

List of TECT Publication, Dissemination and Outreach Activities

Available at the time of the Final Reporting, October 2010

Publications:

- Articles

Peer reviewed articles in journals (published, in press or submitted)

BIOCONTRACT:

IP1 - Pierce, Fudenberg & Green (Harvard University, USA)

* Archetti, M., Úbeda, F., Fudenberg, D., Green, J., Pierce, N. E. & Yu, D. W. (2010) Let the right one in: a microeconomic approach to partner choice in mutualisms. *The American Naturalist*. In press.

Archetti, M. (2010) A strategy to increase cooperation in the volunteer's dilemma : reducing vigilance improves alarm calls. *Evolution* (In press)

Archetti, M. (2009) Cooperation as a volunteer's dilemma and the strategy of conflict in public goods games. *J. Evol. Biol.* 22:2192-2200

Archetti, M. (2009) The volunteer's dilemma and the optimal size of a social group. *J. Theor. Biol.* 261: 475-480

* Archetti, M., Scheuring, I. (2010) Coexistence of cooperation and defection in public goods games.. (*Evolution*, accepted with minor revisions)

* Archetti, M., Vásárhelyi, Z., Scheuring, I. (2010) Mixed equilibria in N-person dilemmas (*J. Theor. Biol.* invited paper for special issue on the evolution of cooperation)

Archetti, M. (2010) Contract theory for the evolution of cooperation: incentives for partner choice without signalling. *J. Theor. Biol.* (accepted with minor revisions)

Russell, J.A., Moreau, C.S., Goldman-Huertas, B., Fujiwara, M., Lohman, D.J. and N.E.

Pierce. (2009). Bacterial gut bacteria are tightly linked with the evolution of herbivory in ants. *PNAS* 106: 21236-21241

* Weyl, E. G., Frederickson, M. E., Yu, D. W. & Pierce, N. E. (2010) Economic contract theory tests models of mutualism. *Proceedings of the National Academy of Science USA*, 107, 15712–15716.

IP2 – Dieckmann (International Institute for Applied Systems Analysis, Austria)

Å. Brännström, T. Gross, B. Blasius, and U. Dieckmann (2010). Consequences of fluctuating group size for the evolution of cooperation. *Journal of Mathematical Biology* (In press)

* Á. Kun and U. Dieckmann. Resource heterogeneity can facilitate cooperation. (In revision)

A. Richter, Å. Brännström, and U. Dieckmann. Egocentric sanctions spontaneously evolve to overcome social dilemmas. (In preparation)

* G. Boza, Á. Kun, I. Scheuring, and U. Dieckmann. Stabilizing interspecific mutualism through investment cycles, phase diffusion, and spatial bubbles. (Submitted)

* G. Boza, Á. Kun, and U. Dieckmann. "Irrational exuberance" originates from boom-bust cycles driven by rational best-response dynamics in continuous investment games. (In preparation)

M. Nakamaru and U. Dieckmann (2009). Runaway selection for cooperation and strict-and-severe punishment. *Journal of Theoretical Biology* 257: 1-8.

T. Sasaki, Å. Brännström, and U. Dieckmann. Joint evolution of cooperation and participation in public-good games (Submitted)

IP3 – Dionisio (University of Lisbon, Portugal)

Carvalho, L.M., Domingues I., Soares, H. and F. Dionisio. Evolution of a conjugative plasmid and the mutualism between bacterial cells and plasmids. (In preparation)

Domingues, I., Carvalho, L.M., Soares, H., and F. Dionisio. Is secretion of public goods the reason for the maintenance of mutualism between bacterial cells and conjugative plasmids? (In preparation)

Trindade, S., Sousa, A., Xavier, K., Dionisio, F., Ferreira, M.G. and Isabel Gordo (2009). Positive Epistasis Drives the Acquisition of Multidrug Resistance. *PLoS Genetics* 5(7): e1000578. doi: 10.1371/ journal.pgen.1000578

IP4 – Orivel (University of Toulouse, France)

Grangier J., Dejean A., Malé P.J. & Orivel J. 2008. Indirect defense in a highly specific ant- plant mutualism. *Naturwissenschaften*, 95:909-916.

Grangier J., Dejean A., Malé P.J.G., Solano P.J. & Orivel J. 2009. Mechanisms driving the specificity of a myrmecophyte-ant association. *Biological Journal of the Linnean Society* 97:90-97.

Leroy C., Jauneau A., Quilichini A., Dejean A. & Orivel J. 2010. Ontogeny and structural modifications involved in foliar domatia: a comparative approach with three myrmecophyte plants. *American Journal of Botany* 94: 557-565.

Malé P.J.G., Loiseau A., Estoup A., Quilichini A. & Orivel J. 2010. Characterization of polymorphic microsatellite loci in the neotropical plant-ant *Allomerus decemarticulatus* (Formicidae: Myrmicinae) and multiplexing with other microsatellites from the ant subfamily Myrmicinae. *European Journal of Entomology* 107: 673-675.

Malé P.J.G., Malausa T., Martin J.F., Orivel J. & Quilichini A. 2010. Isolation and characterization of polymorphic microsatellite loci in the ant-plant *Hirtella physophora* (Chrysobalanaceae) using pyrosequencing technology. *Molecular Ecology Resources* (In press)

Orivel, J., Lambs, L., Malé, P. J. G., Leroy, C., Grangier, J., Otto, T., Quilichini, A. & Dejean, A. 2010. Dynamics of the association between a long-lived understory myrmecophyte and its specific associated ants. *Oecologia*, DOI 10.1007/s00442-010-1739-5.

IP5- Scheuring (Eötvös Loránd University, Hungary)

* Boza, G., Kun, Á., Scheuring, I. and Dieckmann, U. The role of polymorphism in the evolution and stability of mutualism. (Submitted)

* Kun Á. and Scheuring I. 2009 Evolution of cooperation on dynamical graphs. *BioSystems* 96: 65-68

* Kun, Á., Boza, G., Scheuring, I. 2010. Cooperators Unite!: Assortative linking promotes cooperation particularly for medium sized associations. *BMC Evolutionary Biology*

Számadó S., Szalai F., Scheuring, I. 2008. The effect of dispersal and neighbourhood in games of cooperation. *J. Theor. Biol.* 253: 221-227.

Scheuring, I. 2009. Evolution of generous cooperative norm by cultural group selection. *J. Theor. Biol* 257: 397-407

* Szilágyi, A., Scheuring, I., Edwards D. P., Orivel, J. and Yu, D. W. 2009. The evolution of plant-ant coexistence and castration virulence in a spatially structured environment. *Ecol. Lett.* 12: 1306-1316

Scheuring, I. 2010. Coevolution of honest signaling and cooperative norms by cultural group selection. *BioSystems* 101: 79-87

Scheuring, I. 2010. Egalitarian motive in punishing defectors. *J. of Theor. Biol.* 264: 1293-1295

AP1 – Yu (University of East Anglia, UK)

Barke, J., Seipke, R. F., Gruschow, S., Heavens, D., Drou, N., Bibb, M. J., Goss, R. J. M., Yu, D. W.

- & Hutchings, M. I. (2010) A mixed community of actinomycetes produce multiple antibiotics for the fungus farming ant *Acromyrmex octospinosus*. *BMC Biology* 8: 109
- Barke, J., Seipke, R. F., Yu, D. W. & Hutchings, M. I. (2010) A mutualistic microbiome: How do fungus-growing ants select their antibiotic-producing bacteria? *Communicative & Integrative Biology* (In press)
- *Szilágyi, A., Scheuring, I., Orivel, J., Edwards, D. P. & Yu, D. W. (2009) The evolution of intermediate castration virulence and ant coexistence in a spatially structured environment. *Ecology Letters*, 12, 1306-1316.

COCOR:

- Baglione, V. Canestrari D., Chiarati, E.; Vera, R Marcos J. M. 2010. Lazy group members are substitute helpers in carrion crows. *Proceedings of the Royal Society of London B* 277, 3275-3282
- Baglione V. & Canestrari, D. 2009. Kleptoparasitism and temporal segregation of sympatric corvids foraging in a refuse tip. *The Auk* 126, 566-578.
- Bugnyar, T. (2010). Knowledge attribution in ravens: others' viewpoints matter. *Proceedings Royal Society London Series B*, published online Sept. 8.
- Canestrari D., Marcos J.M. & Baglione V. 2009. Cooperative breeding in carrion crows reduces the rate of brood parasitism of great-spotted cuckoos. *Animal Behaviour* 77, 1337-1344.
- Canestrari D., Vera, R; Chiarati, E.; Marcos J. M., Vila, M.; Baglione V. 2010. False feeding: the trade-off between chick hunger and caregivers needs in cooperative crows. *Behavioral Ecology* 21: 233-241
- Canestrari D., Chiarati, E., Marcos J.M., Ekman, J. & Baglione V. 2008. Helpers but not breeders adjust provisioning effort to year-round territory resource availability in carrion crows. *Animal Behaviour* 76, 943-949
- Canestrari D., Marcos J.M., Baglione V. 2008. Reproductive success increases with group size in cooperative carrion crows *Corvus corone corone*. *Animal Behaviour* 78, 403- 416.
- Canestrari D., Vila, M., Marcos J.M., Baglione V. Cooperatively breeding carrion crows adjust offspring sex ratio according to group composition. Submitted to *Behavioral Ecology and Sociobiology*.
- Canestrari D., Marcos J.M., Baglione V. Maternal investment in egg size depends on group composition in cooperatively breeding carrion crows. Submitted to *Evolutionary Biology*.
- Chiarati, E.; Canestrari D., Vila, M., Vera, R; Baglione V. Nepotistic access to food resources in cooperatively breeding Carrion Crows. Submitted to *Behavioral Ecology and Sociobiology*.
- Chiarati, E.; Canestrari D., Vera, R; Marcos J. M., Baglione V.2010. Linear and stable dominance hierarchies in cooperative carrion crows. *Ethology* 316: 346-356
- Di Lascio, F., Nyffeler, F., Bshary, R. & Bugnyar, T. Ravens (*Corvus corax*) show no other-regarding preferences in foraging tasks. MS submitted.
- Dufour, V., Wascher, C., Braun, A., Miller, R. & Bugnyar, T. Corvid anticipation of food return: coping with waiting time in a qualitative exchange task. MS subm.
- Fitch, W.T.S., Huber, L. & Bugnyar, T. (2010). Social Cognition and the Evolution of Language: Constructing Cognitive Phylogenies. *Neuron*, 65, 795-814.
- Fraser, O.N. & Bugnyar, T. (2010). The quality of social relationships in ravens. *Animal Behaviour*, 79, 927-933.
- Fraser, O.N. & Bugnyar, T. (2010). Do ravens show consolation? Responses to distressed other. *PLoS One*, 5, e10605.
- Fraser, O.N. & Bugnyar, T. Ravens reconcile after conflicts with valuable partners. MS submitted.
- Fraser, O.N. & Bugnyar, T. Reciprocity in agonistic support in ravens: whom to support and why? MS submitted.
- Kenward, B., Schloegl, C., Weir, A.A.S., Rutz, C., Bugnyar, T. & Kacelnik, A. On the evolutionary and ontogenetic origins of tool-oriented behaviour in New Caledonian crows (*Corvus moneduloides*). MS re-submitted
- Miglino, O., Ponticorvo, M., Bartolomeo, P. (in press). Place cognition and active perception. A study with

- evolved robots. *Connection Science*
- Loretto, M.-C., Schloegl, C. & Bugnyar, T. (2010). Northern bald ibises follow others' gaze into space but not behind barriers. *Biology Letters*, 6, 14-17.
- Loretto, M.-C., Fraser, O.N. & Bugnyar, T. Ontogenetic development of dominance relations and coalition formation in ravens. MS submitted.
- Miglino O., Ponticorvo M. (2009). Place Cognition as an example of situated cognition. A study with evolved agents. *Cognitive Processing*, vol. 10; p. s157-s157.
- Miglino O., Ponticorvo M., Bartolomeo P. (2009). Place cognition and active perception. A study with evolved robots. *Connection Science*, vol. 21; p. 3-14.
- Miglino O., Ponticorvo M., Donetto D., Nolfi S., ZUCCA P. (2009) *Cooperation in corvids: a simulative study with evolved robot*. WSPC, in press.
- Ponticorvo M., O. Miglino (2010). Encoding geometric and non geometric information. A study with evolved agents, *Animal Cognition*, 13 (1), 157-174
- Range, F., Horn, L., Bugnyar, T., Gajdon, G.K. & Huber, L. (2009). Observing behaviour in keas, dogs, and human children. *Animal Cognition*, 12, 181-192.
- Scheid, C. & Noë, R. 2010. The performance of rooks in a cooperative task depends on their temperament. *Animal Cognition*, 13, 545-553
- Scheid, C. & Bugnyar, T. 2008 Short-term observational spatial memory in Jackdaws (*Corvus monedula*) and Ravens (*Corvus corax*). *Animal Cognition* 11, 691-698.
- Scheid, C., Range, F. & Bugnyar, T. 2007 When, what, and whom to watch? Quantifying attention in ravens (*Corvus corax*) and jackdaws (*Corvus monedula*). *Journal of Comparative Psychology* 121, 380-386.
- Scheid, C., Schmidt, J. & Noë, R. 2008. Distinct patterns of food offering and co-feeding in rooks. *Animal Behaviour*, 76, 1701-1707.
- Schloegl, C., Kotrschal, K. & Bugnyar, T. (2008) Do common ravens (*Corvus corax*) rely on gaze cues to detect hidden food? *Animal Cognition*, 11, 231-241.
- Schloegl, C., Kotrschal, K. & Bugnyar, T. (2008) Modifying the object-choice task: is the way you look important for ravens? *Behavioural Processes*, 77, 61-65.
- Schloegl, C., Dierks, A., Gajdon, G.K., Huber, L., Kotrschal, K. & Bugnyar, T. (2009). What you see is what you get? Inference by exclusion in ravens (*Corvus corax*) and keas (*Nestor notabilis*). *PLoS One*, 4, e6368
- Schloegl, C. Emery, N.J. & Bugnyar, T.* Seeing through animals' eyes: Gaze responsiveness revisited. MS submitted.
- Schwab, C., Bugnyar, T., Schloegl, C. & Kotrschal, K. (2008) Enhanced social learning between siblings in common ravens, *Corvus corax*. *Animal Behaviour*, 75, 501-508.
- Schwab, C., Bugnyar, T. & Kotrschal, K. Learning from non-affiliated individuals as a relevant source of information in jackdaws (*Corvus monedula*). *Behavioural Processes*, in press.
- Schwab, C., Kotrschal, K. & Bugnyar, T. Social networks in jackdaws: diversity of contexts and structure over time. MS submitted.
- Schmidt, J., Scheid, C., Kotrschal, K., Bugnyar, T. & Schloegl, C. Gaze direction – a cue for hidden food in rooks (*Corvus frugilegus*)? MS submitted.
- Wascher, C., Dufour, V., Braun, A. & Bugnyar, T. Carrion crows cannot overcome a delay of gratification in a quantitative exchange task. MS subm.
- Wilkinson, A., Bugnyar, T. & Huber, L. (2010). Gaze-following in the red-footed tortoise (*Geochelone carbonaria*). *Animal Cognition*, published online April 22.

DynCoopNet:

ALONSO GARCÍA, David, "Las Comunidades de Castilla en el siglo XXI", *Tiempos Modernos. Revista*

Electrónica de Historia Moderna, nº 19 (2010), pp. 1-9. ISSN: 1699-7778.

ALVAREZ NOGAL, Carlos, LO BASSO, Luca & MARSILIO, Claudio, "La rete finanziaria della Famiglia Spinola: Spagna, Genova e le fiere dei cambi (1610-1656)", *Quaderni Storici*, Nº 124/1, 2007, pp. 97-111, Napoles, (ITALIA).

ALVAREZ NOGAL, Carlos y PRADOS DE LA ESCOSURA, Leandro, "The decline of Spain (1500-1850): Conjectural Estimates" *European Review of Economic History*, Nº 11, 2007, pp. 319-366, Cambridge (England)

ALVAREZ NOGAL, Carlos, "Le Cout de L'information : L'exemple de L'enterprise Bartolomé Spinola en Espagne au XVIIe siècle », *Rives Nord- Méditerranéennes*, Nº 27, 2007, pp. 25-51, Marsella (Francia).

BARROS, Amândio, - The cooperation imposed. Porto and its hinterland between the Middle Ages and the Early Modern Period, artigo entregue para publicação no próximo volume da "*Revista da Faculdade de Letras – História*". Porto: Faculdade de Letras, 2008. [essential for project].

BERNABÉ POVEDA, M.A, MANSO, M.A., GONZÁLEZ, M.E. "La docencia universitaria sobre Infraestructuras de Datos Espaciales". *Revista Cartográfica IPGH*. Nº 83. pp. 17-35, 2007.

BERNABÉ POVEDA, M.A. "Restructuring old degrees". *GIM Internacional*. ISSN: 0210-5462. Vol. 20,/ 2 Reed Bussines 2006. <http://www.reedbusiness.nl/>>http://www.gim-international.com/issues/articles/id613-Restructuring_Old_Degrees.html

CASADO ALONSO, Hilario, "Los flujos de información en las redes comerciales castellanas de los siglos XV y XVI", *Investigaciones de Historia Económica*. nº 10, 2008. pp. 35-68. ISSN 1698-6989.

CRESPO SOLANA, Ana, *El comercio holandés y la integración de espacios económicos entre Cádiz y el Báltico en tiempos de guerra (1699-1723)*, *Investigaciones en Historia Económica*, nº 8, págs. 45-76. 2007. ISSN 1698-6989.

CRESPO SOLANA, Ana, *Merchants and Observers. The Dutch Republic's commercial interests in Spain and the Merchant Community in Cadiz in the Eighteenth Century*, Dieciocho. Hispanic Enlightenment. Vol. 32, numero 1 [32.1]. 2009.

CRESPO SOLANA, Ana y MONTOJO MONTOJO, Vicente, "La Junta de Dependencias de Extranjeros (1714-1800): Trasfondo socio-político de una historia institucional », *Hispania, Revista Española de Historia*, 2009, vol. LXIX, n1 232, pp. 363-394. ISSN: 0018-2141. (*)

CRESPO SOLANA, Ana, "Legal Strategies and Smuggling mechanisms in the foreign merchant's trade in Cadiz with the Hispanic Caribbean. The Dutch and Flemish Case (1680-1750)", *Jahrbuch für Geschichte Lateinamerikas/ Anuario de Historia de América Latina*, 47/2010, pp. 181-213, ISSN: 1438-4752.

GELABERT GONZÁLEZ, Juan, "Entre embargo general y libre comercio. Las relaciones mercantiles entre Francia y España de 1598 a 1609", *Obradoiro de Historia Moderna*, XVI (2007), pp. 65-90.

GUERRERO-NIETO, M., GARCÍA-RODRÍGUEZ, M.J., URRUTIA-ZAMBRANA, A.; BERNABÉ, M. A.: "Propuesta para la integración de expresiones temporales procedentes de patrimonio documental en un SIG". *Catalonia Journal of Geography - Revista Catalana de Geografía*. Instituto Cartográfico de Cataluña 2010. ISSN: 1988-2459.

ITURRIOZ, T., CANO, J., WACHOWICZ, M. "Mapping Letters Through Interaction Design". *Cartographic*

Journal. Vol. 46, Num. 4. 2009, p. 350-359.[essential for project].

ITURRIOZ, T., WYTENBACH, A. F., BERNABÉ, M. A., CATTANEO, A. "The Affective Perspective of Early Maps". e-Perimtron: International web journal on sciences and technologies affined to history of cartography and maps. Vol. 4, Num.3. 2009, p. 168-179. ISSN 1790-3769.

MANSO, M. A., BERNABÉ, M. A. "Metadatos implícitos de la información geográfica: caracterización del coste temporal y de los tipos y tasas de errores en la compilación manual", *GeoFocus (articles)*, Num.9, 2009, p. 317-336. ISSN: 1578-5157

MANSO, M. A., WACHOWICZ, M. "GIS Design: A Review of Current Issues in Interoperability". *Geography Compass*, Vol. 3. Num.3. 2009, p. 1105-1124. ISSN: 1749-8198. [essential for project].

MANSO, M. A., WACHOWICZ, M., BERNABÉ, M.A. "Towards an Integrated Model for Information System Interoperability Based on Spatial Metadata Attributes.". *Transaction in GIS*, 13(2009), 43-67. (*)

PLUTAR, E. F., T. J. COVA, M. YUAN, and M. F. GOODCHILD, EDGIS: A dynamic GIS based on Space Time Point. *International Journal of Geographic Information Science*, 24(3) 2010:329-346.

MONTOJO MONTOJO, V. Los comerciantes de Alicante y Cartagena en la Guerra de Sucesión. En *Estudis. Revista de Historia Moderna*, 34(2008), 219-239.

MONTOJO MONTOJO, V. "El comercio de Alicante en los reinados de Felipe II y Felipe III. Una construcción desde la cooperación", en *Cuadernos de Historia Moderna*, 32, 2007, p. 87-111.

MONTOJO MONTOJO, V. "Los comerciantes de Alicante y Cartagena en la Guerra de Sucesión", en *Estudis, Revista de Historia Moderna*, 34, 2008, p. 219-239.

MONTOJO MONTOJO, V./RUIZ IBÁÑEZ, J.J. "Relaciones y agentes comerciales entre Orán y el Reino de Murcia en la primera mitad del siglo XVII", en *Murgetana, Revista de la Real Academia Alfonso X el Sabio*, 120, 2009, p. 111-127.

MONTOJO MONTOJO, V. "El comercio de Alicante a mitad del siglo XVII según los derechos y sisas locales de 1658-1662 y su predominio sobre el de Cartagena", en *Murgetana, Revista de la Real Academia Alfonso X el Sabio*, 122, 2010, pp. 37-60.

MONTOJO MONTOJO, V. 2010. « El comercio de Alicante en el reinado de Carlos II y la primera década del siglo XVIII ». En: *Saitabi*.(forthcoming).

MUKHERJEE, Rila 'Preconditions for the French Revolution in the History of Europe', Center for Historical Studies, Senshu University, Tokyo, *Annual Report No.4* of ORC Project 'The French Revolution and Modernization in Japan and Other Asian Nations', Institute for Development of Social Intelligence, Graduate Schools of Senshu University. 2007, march.

MUKHERJEE, Rila 'The Last Commercial Frontier: French and English Presence in South Eastern Bengal and Beyond in the Second Half of the Eighteenth Century' in *Indian Historical Review*, Vol. XXXIV, No. 1 (January), ICHR, New Delhi. 2007.

MUKHERJEE, Rila 'The Neglected Sea-The Eastern Indian Ocean in History', *Journal of the Asiatic Society*, XLIX, 4. 18-49. 2007.

MUKHERJEE, Rila 'From the Mountains to the Seas', *Indian Historical Review*, XXXV, 1, January, 208-226.

2008.

MUKHERJEE, Rila 'The Long Hand of History: Regional Cooperation in the 21st Century', *Society and Economy*, 28, 1, Budapest, 61-79. 2006.

MUKHERJEE, Rila, 'Religion Law and Power', Review, *ICFAI University Journal of History and Culture*, III,1, January. 2009.

MUKHERJEE, Rila, PUTTING THE RAFTS OUT TO SEA: Talking of 'Bera Bhashan' in Bengal, *Transforming Cultures eJournal*, Vol. 3 No 2, November 2008, <http://epress.lib.uts.edu.au/journals/TfC>, special issue Cultural Currents of the Indian Ocean, eds. Devleena Ghosh and Lola Sharon Davidson. 2008.

NALLE, Sara, "Private Devotion, Personal Space: Religious Images in Domestic Context." In María Cruz de Carlos, et al, eds., *La imagen religiosa en la Monarquía hispánica: Usos y espacios*. Madrid: Casa de Velázquez,, 2008, 255–272.

OWENS, J. B. "What historians want from GIS." *ArcNews*, 29, 2 (summer 2007): 4-6, and <http://www.esri.com/news/arcnews/summer07articles/what-historians-want.html>.

OWENS, J. B. "Toward a geographically-integrated, connected world history: Employing geographic information systems (GIS)." *History Compass*, 5, 6 (October 2007): 2014-2040; doi: 10.1111/j.1478-0542.2007.00476.x.

OWENS, J. B. "A Multi-national, Multi-disciplinary Study of Trade Networks and the Domains of Iberian Monarchies during the First Global Age, 1400-1800." *Society for Spanish and Portuguese Historical Studies: Bulletin*, 32, 2 (December 2008): 23-30.

OWENS, J. B. "Space, connections, and place in the first global age." *Sixteenth Century Journal*, 40, 1 (in press for a special "Future-spectives" issue, May 2009). (**)

OWENS, J. B. "What kind of system is it? The DynCoopNet Project as a Tribute to Andre Gunder Frank (1929-2005)." *Indian Historical Review*, 32, 2 (July 2009).

OWENS, J. B. "Graduate Education in Geographically-Integrated History: A Personal Account." *Journal of the Association for History and Computing* (submitted; for a special issue on GIS in History education).

Kantabutra, V., OWENS, J. B., Ames, D. P., Burns, C. N., and Stephenson, B. (2010). "Using the Newly-created ILE DBMS to Better Represent Temporal and Historical GIS Data." *Transactions in GIS*, 14, s1: 39-58; doi: 10.1111/j.1467-9671.2010.01222.x.

OWENS, J. B. "What historians want from GIS." *ArcNews*, 29, 2 (summer 2007): 4-6, and <http://www.esri.com/news/arcnews/summer07articles/what-historians-want.html>, accessed on 2 January 2008.

OWENS, J. B. "Toward a geographically-integrated, connected world history: Employing geographic information systems (GIS)." *History Compass*, 5, 6 (October 2007): 2014-2040; doi: 10.1111/j.1478-0542.2007.00476.x.

OWENS, J. B. "A Multi-national, Multi-disciplinary Study of Trade Networks and the Domains of Iberian Monarchies during the First Global Age, 1400-1800." *Society for Spanish and Portuguese Historical Studies: Bulletin*, 32, 2 (December 2008): 23-30.

OWENS, J. B. "Space, connections, and place in the first global age." *Sixteenth Century Journal*, 40, 1 (Spring 2009): 190-192.

OWENS, J. B. "Graduate Education in Geographically-Integrated History: A Personal Account." *Journal of the Association for History and Computing*, 13, 1 (May 2010), <http://hdl.handle.net/2027/spo.3310410.0013.105>.

Wachowicz, M. & Owens, J. B. (2009). "Space-time representation of complex networks: What is next?" *GeoFocus*, 9: 1-8. (*)

PICAZO MUNTANER, Antoni, Carlos II y la política hispana en el Mar del Sur. Colaboración y estrategias comerciales, in *Derroteros del Mar del Sur*, Perú-París. –submitted–.

PICAZO MUNTANER, Antoni, Comercio y cooperación en el Mar del Sur: el ejemplo del patache San Buenaventura, in *El Mar y las sociedades en la época Moderna*, Universidad de Santiago de Compostela-FEHM, 2009.

PICAZO MUNTANER, Antoni, Visiones y percepciones: el Índico y el Pacífico en la primera Edad Global, *Revista Española del Pacífico*, nº 21-22, (2008-2009), pp. 1-23.

POLONIA DA SILVA, Amélia & Owens, J. B. "Cooperation-Based Self-Organizing Networks in Portuguese Overseas Expansion in the First Global Age." *International Journal of Maritime History* (submitted in February 2009). (*). Available at <http://dyncoopnet-pt.org/working-papers>

POLÓNIA, Amélia, "European Seaports in the Early Modern Age: concepts, methodology and models of analysis." *Cahiers de la Méditerranée* (2009).

POLÓNIA, Amélia, « Les petits ports dans le système portuaire Européen à l'Epoque Moderne ». *Revista da Faculdade de Letras. História*, III série, nº 9 (2008), pp. 27-51

POLÓNIA, Amélia – "Women's contribution to family, economy and social range in maritime societies. Portugal. 16th. Century " *Portuguese Studies Review*, Vol. 13, No. 1, 2006 , "Women in the Lusophone World in the Middle Ages and the Early Modern Period", Editors: Darlene Abreu-Ferreira (Guest Editor)(*University of Winnipeg*) and Ivana Elbl (*Trent University*), pp. 269-285.

PUU, T. "The Hicksian Trade Cycle with Floor and Ceiling Dependent on Capital Stock", *Journal of Economic Dynamics and Control*, 31:575-592, 2007.

PUU, Tonu, A. Panchuk, "Stability of Cournot oligopoly when the competitors are numerous", *Computers and Mathematics with Applications* (submitted) 2007.

PUU, Tonu, Cánovas, and M. Ruiz, "A Method for Studying Non-Autonomous Affine Maps: An Application to a Two-Region Business Cycle Model", *Chaos, Solitons & Fractals* 34:1285-1298 2007.

PUU, T. Sushko, L. Gardini, "Regular and Chaotic Growth Cycles in a Neo-Hicksian Floor/Ceiling Model", *Journal of Economic Behavior and Organization* 2008 (submitted).

PUU, T. "Rational expectations and the Cournot-Theocharis problem", *Discrete Dynamics in Nature and Society*, ID 32103:1-11, 2006.

PUU, T. "On the economics of increasing complexity", *Journal of Economic Behavior and Organization*, 2008 (submitted).

PUU, T. "On time and space in economic theory", *Journal of Geographical Systems* 2008 (submitted).

PUU, T. "Unifying Cournot and Stackeberg duopoly in one dynamical system", *Nonlinear Dynamics in Psychology and the Life Sciences* 2008 (submitted).

PUU, T. and A. Panchuk, "Oligopoly and stability", *Chaos, Solitons, & Fractals* (Science Direct) (IN PRESS) 2008.

PUU, T. and M. Ruiz Marin, "The dynamics of a triopoly Cournot game when the competitors operate under capacity constraints", *Chaos, Solitons & Fractals* 28:403-413, 2006.

PUU, T. J. Cánovas and M. Ruiz, "The Cournot-Theocharis Problem Revisited", *Chaos, Solitons & Fractals* 37:1025-1039, 2008.

PUU, T. "Layout of a New Industry: From Oligopoly to Competition", *Pure Mathematics and Applications*, 16:475-492. 2007.

PUU, T. "On the Stability of Cournot Equilibrium when the Number of Competitors Increases", *Journal of Economic Behavior and Organization* 66:445-456. 2008.

PUU, Tonu, J. Cánovas, M. Rùiz, "Detecting Chaos in a Duopoly Model via Symbolic Dynamics", *Discrete and Continuous Dynamical Systems B* (submitted) 2008.

PUU, T. M. Rùiz, "Investment decisions reconsidered: The case of imperfect capital markets", *Problems and Perspectives in Management* 6:18-25 2008.

PUU, T. (2008). On time and space in economic theory. *Journal of Geographical Systems* (ISSN 1435-5930). 2008. urn:nbn:se:umu:diva-24918. <http://urn.kb.se/resolve?urn=urn:nbn:se:umu:diva-24918>

PUU, T. (2009). "Continuous Economics Space Modelling: A Survey Draft", *Annals of Regional Science* 43, 1 (2009): 5-25. DOI: 10.1007/s00168-007-0200-0

PUU, T. Tramontana, Fabio; Gardini, Laura; (2009). "Cournot duopoly when the competitors operate several plants", *Journal of Economic Dynamics and Control* 33:250-265. 2009.

PUU, T. Panchuk, Anastasiia (2009). Oligopoly and stability. *Chaos, Solitons & Fractals* (ISSN 0960-0779) 41, 5 (2009): 2505-2516. DOI: 10.1016/j.chaos.2008.09.037

PUU, T. Panchuk, Anastasiia; (2009). Stability in a non-autonomous iterative system: an application to oligopoly. *Computers and Mathematics with Applications* (ISSN 0898-1221) 58, 10 (2009): 2022-2034. DOI: 10.1016/j.camwa.2009.06.048

PUU, T. Sushko, Iryna; Gardini, Laura; (2010). Regular and Chaotic Growth Cycles in a Neo-Hicksian Floor/Ceiling Model. *Journal of Economic Behavior and Organization* (ISSN 0167-2681) 75, 1 (2010): 77-94. DOI: doi:10.1016/j.jebo.2010.01.007

PUU, T. (2010). On the economics of increasing complexity: With some special focus on culture. *Journal of Economic Behavior and Organization* (ISSN 0167-2681) 75, 1 (2010): 59-68. DOI: doi:10.1016/j.jebo.2010.03.011

PUU, T. Canovas, Jose S; Ruiz Marín, Manuel (2010). Detecting Chaos in a Duopoly Model via Symbolic

Dynamics. *Discrete and continuous dynamical systems. Series B* (ISSN 1531-3492) 13, 2 (2010): 269-278.
DOI: 10.3934/dcdsb.2010.13.269

VILCHES BLÁZQUEZ, L.M.; CORCHO, O.; RODRÍGUEZ PASCUAL, A. F.; BERNABÉ POVEDA, M.A. "Web Semántica e Información Geográfica: Una interrelación necesaria ante las problemáticas actuales". (2008) *Revista Mapping. Número Especial para las Infraestructuras de Datos Espaciales, Semántica y Desarrollo Sostenible*. vol. 125. ISSN: 1.131-9.100.

http://en.scientificcommons.org/miguel_angel_bernabe_poveda

http://www.mappinginteractivo.com/plantilla-ante.asp?id_articulo=1489

WYTTEBACH, A.F; MOYA J.; ÁLVAREZ, M., BERNABÉ POVEDA, M. A, "First Approaches to the Usability of Digital Map Libraries", *e-Perimtron: International web journal on sciences and technologies affined to history of cartography and maps*-Vol. 3, No. 2. 2008, pp. 63-76. ISSN 1790-3769.

WYTTEBACH, A. F., MOYA, I, DAWOOD, Z., GALINDO A., SIABATO, W., BERNABÉ, M. A.: "Integración de Cartotecas Virtuales como herramienta de apoyo en la investigación histórica y social". *Catalonia Journal of Geography - Revista Catalana de Geografia*. Instituto Cartográfico de Cataluña 2010. ISSN: 1988-2459

YUAN, May, Plutar, E. F., T. J. Cova, and M. F. Goodchild. Accepted. *EDGIS: A dynamic GIS based on Space Time Point. International Journal of Geographic Information Science*. 2007 (*)

YUAN, May, Goodchild, M. and T. Cova. Towards a general theory of geographic representation in GIS. *International Journal of Geographic Information Science*; 21(3):239-260. 2007 (**)

SENSE:

A. Ruis and A. de Zeeuw (2010), International cooperation to combat climate change, *Public Finance and Management* 10, 2, 379-404

A. Traulsen, C. Hauert, H. de Silva, M.A. Nowak and K. Sigmund (2009), Exploration dynamics in evolutionary games, *PNAS*, <http://www.pnas.org/content/early/2009/01/05/0808450106>

B. Walker c.s. (2009), Looming global-scale failures and missing institutions, *Science* 325, 1345-1346

C. Hauert, A. Traulsen, M.A. Nowak, H. Brandt and K. Sigmund (2007), Via freedom to coercion: the emergence of costly punishment, *Science* 316, 1905-1907

C. Hauert, A. Traulsen, H. Brandt, M.A. Nowak and K. Sigmund (2008), Public goods with punishment and abstaining in finite and infinite populations, *Biological Theory* 3, 114-122

C. Hilbe (2009), Contrition does not ensure cooperation in the iterated Prisoner's Dilemma game, *International Journal of Bifurcation and Chaos* 19, 3877-3880

C. Hilbe and K. Sigmund (2010), Incentives and opportunism: from the carrot to the stick, *Proc. R. Soc. London B* 277, 2427-2433

C. Hilbe (2010), Local replicator dynamics, *Bull. Math. Biol.* (accepted)

C. Hilbe, Opportunism enables punishment to fix cooperation, submitted

C.H. Hommes and M.I. Ochea, Multiple steady states, limit cycles and chaotic motion in evolutionary

games with logit dynamics, submitted

H. de Silva, C. Hauert, A. Traulsen and K. Sigmund (2010), Freedom, enforcement, and the social dilemma of strong altruism, *Journal of Evolutionary Economics* 20, 203-217

K. Sigmund, H. de Silva, C. Hauert and A. Traulsen (2010), Social learning promotes institutions for governing the commons, *Nature* 466, 861-863

K. Sigmund and C. Hilbe, *Game Theory*, Source Book for theoretical ecology (accepted)

K. Sigmund (2007), Punish or Perish? Retaliation and Collaboration among humans, *Trends in Ecology and Evolution* 22, 593-600

M.I. Ochea and J. Tuinstra, On the stability of the Cournot solution: an evolutionary approach, submitted

M. Hoel and A. de Zeeuw (2010), Can a focus on breakthrough technologies improve the performance of international environmental agreements?, *Environmental & Resource Economics*, in press

SOCOP:

Addressi E, Mancini A, Crescimene L, Visalberghi E (in press) How social context, token value, and time course affect token exchange in capuchin monkeys (*Cebus apella*), *International Journal of Primatology*.

Addressi E., Mancini A., Crescimene L., Visalberghi E. (submitted). Social dynamics affect token exchange in capuchin monkeys (*Cebus apella*). *Animal Cognition*

Amici F, Aureli F, Call J, Visalberghi E (2009) Spider monkeys and capuchin monkeys follow gaze around barriers: evidence for perspective-taking? *Journal of Comparative Psychology*, 123

Andrighetto, G., Campenni, M., Cennoni, F & Conte, R. (In press). *How Agents Find out Norms: A Simulation Based Model of Norm Innovation. *Lecture Notes in Computer Science*.

Battistini, A. & Pagano U. (2008) *Primates' fertilization systems and the evolution of the human brain. *Journal of Bioeconomics*, 8(10), 1-21.

Castelfranchi C, Pezzulo G, Tummolini L (2010) Behavioral Implicit Communication (BIC): Communicating with smart environments via our practical behaviors and its traces, *International Journal of Ambient Computing and Intelligence*, 2(1), 1-12.

Castelfranchi, C. & Falcone, R. (2010) *Trust Theory A Socio-Cognitive and Computational Model*. Wiley & Sons.

Castelfranchi C, Pezzulo G, Tummolini L (2010) Behavioral Implicit Communication (BIC): Communicating with smart environments via our practical behaviors and its traces, *International Journal of Ambient Computing and Intelligence*, 2(1), 1-12.

Castelfranchi, C. (2008). Trust and reciprocity: misunderstandings. *International Review of Economics*, 55 (1-2), 45-63.

Castelfranchi, C. & Miceli, M. (in press). *The cognitive-motivational compound of emotional experience. *Emotion Review*.

Di Tosto, G, Parunak, H. Van Dyke (Ed.) *Multi-Agent-Based Simulation X*, *Lecture Notes in Artificial Intelligence – Springer*, 568, 2010.

Ernst Fehr, Oxytocin Shapes the Neural Circuitry of Trust and Trust Adaptation in Humans, *Neuron*, 58(4), 639-650 (with T. Baumgartner, M. Heinrichs, A. Vonlanthen, U. Fischbacher).

- Ernst Fehr, Resisting the Power of Temptations: The Right Prefrontal Cortex and Self-Control, *Annals of the New York Academy of Sciences* 1104 (2007), 123-134. (with D. Knoch).
- Ernst Fehr, Studying the Neurobiology of Social Interaction with Transcranial Direct Current Stimulation—The Example of Punishing Unfairness, *Cerebral Cortex*, Advance Publication (2007) (with D. Knoch, M. Nitsche, U. Fischbacher, C. Eisenegger und A. Pascual-Leone).
- Ernst Fehr, Social Neuroeconomics – The Neural Circuitry of Social Preferences, *Trends in Cognitive Sciences* 11 (2007), 419-427 (with Colin Camerer)
- Ernst Fehr, The Neural Signature of Social Norm Compliance, *Neuron* 56 (2007), 185-196. (with M. Spitzer, U. Fischbacher, B. Herrnberger und G. Groen)
- Ernst Fehr, Time-course of “off-line” prefrontal rTMS effects – A PET study, *Neuroimage*, 2008, 42, 379–384, Eisenegger C, Treyer V, Fehr E, Knoch D
- Ernst Fehr, Resisting the Power of Temptations: The Right Prefrontal Cortex and Self-Control, *Annals of the New York Academy of Sciences* 1104 (2007), 123-134. (with D. Knoch).
- Ernst Fehr, Studying the Neurobiology of Social Interaction with Transcranial Direct Current Stimulation—The Example of Punishing Unfairness, *Cerebral Cortex*, Advance Publication (2007) (with D. Knoch, M. Nitsche, U. Fischbacher, C. Eisenegger und A. Pascual-Leone).
- Ernst Fehr, Social Neuroeconomics – The Neural Circuitry of Social Preferences, *Trends in Cognitive Sciences* 11 (2007), 419-427 (with Colin Camerer)
- Ernst Fehr, The Neural Signature of Social Norm Compliance, *Neuron* 56 (2007), 185-196. (with M. Spitzer, U. Fischbacher, B. Herrnberger und G. Groen)
- Ernst Fehr, Time-course of “off-line” prefrontal rTMS effects – A PET study, *Neuroimage*, 2008, 42, 379–384, Eisenegger C, Treyer V, Fehr E, Knoch D
- Fedor, A., Ittész, P. & Szathmáry E. (2009) The biological background of syntax evolution. In: Bickerton, D. & Szathmáry E. (eds) (2009) *Biological Foundations and Origin of Syntax*. MIT Press, Cambridge, Ma. pp. 15-39.
- Fernando, C. & Szathmáry E. (2010) Natural selection in the brain. In: B. Glatzeder, V. Goel and A. von Müller (eds) *Towards a Theory of Thinking*. Springer-Verlag, Berlin, pp. 291-322.
- Fernando, C. & Szathmáry E. (2010) Chemical, neuronal and linguistic replicators. In: M. Pigliucci and G.B. Müller (eds): *Evolution—the Extended Synthesis*. MIT Press, Cambridge, Ma., pp. 209-249.
- Fernando, C., Goldstein, R., Szathmáry, E. (2010) The neuronal replicator hypothesis. *Neural Comput.* in press.
- Fernando, C. Karishma, K.K. & Szathmáry, E. (2008) Copying of Neuronal Topology by Spike-Time Dependent Plasticity and Error-Correction. *PlosONE* **3(11)**, e3775.
- Fernando, C. Karishma, K.K. & Szathmáry, E. (2008) *Copying of Neuronal Topology by Spike-Time Dependent Plasticity and Error-Correction. *PlosONE* **3(11)**, e3775.
- Giardini, F., Di Tosto, G. & Conte (2008). *A model for simulating reputation dynamics in industrial

districts. *Simulation Modelling Practice and Theory*, 2, 231-241.

Herbert Gintis, Kuiying Deng and Tianguang Chu "Strengthening Strong Reciprocity", *Journal of Theoretical Biology* (forthcoming)

Herbert Gintis, "Bayesian Rationality and Common Knowledge", *Rationality and Society* (forthcoming)

Herbert Gintis, Robert Bowd, and Samuel Bowles, * "Coordinated Punishment of Defectors Sustains Cooperation and Can Proliferate When Rare", *Science* 30 April 2010

Herbert Gintis and Catherine Eckel, * "Blaming the Messenger: Notes on the Current State of Experimental Economics," forthcoming, *Journal of Economic Behavior and Organization*.

Herbert Gintis, "Animal Spirits or Complex Dynamics: A Review of Akerlof and Shiller," forthcoming *Journal of Economic Psychology*

Herbert Gintis, "Experimental Economics Will Foster a Renaissance of Economic Theory," forthcoming, *Journal of Economic Behavior and Organization*

Herbert Gintis, "A New Nash Equilibrium Refinement: The Local Best Response Criterion," *Journal of Economic Behavior and Organization*

Herbert Gintis, Jeffrey Carpenter, Samuel Bowles, and Sung Ha Hwang, "Strong Reciprocity and Team Production," forthcoming *Journal of Economic Behavior and Organization*

Herbert Gintis and Rakesh Khurana, "What Is the Purpose of Business?" *BizEd* January--February 2008.

Herbert Gintis and Rakesh Khurana, "Corporate Honesty and Business Education: A Behavioral Model," in *Moral Markets: The Critical Role of Values in the Economy*, Paul J. Zak (ed.) Princeton University Press, forthcoming.

Herbert Gintis, "Cooperation and Punishment," *Science* 7 March 2008: 1345--1346.

Herbert Gintis, "Cross-disciplinary Research in Psychology and Economics," *The Journal of Economic Psychology* in press, (2008)

Herbert Gintis, "Evolutionary Approaches to Moral Sentiments" *The Journal of Economic Psychology* in press, (2008)

Herbert Gintis, Joseph Henrich, Samuel Bowles and Robert Boyd, "Strong Reciprocity and the Roots of Human Morality," *Social Justice Research* in press (2008).

Könnyű, B., Czárán, T. & Szathmáry, E. (2008)* Prebiotic replicase evolution in a surface-bound metabolic system: parasites as a source of adaptive evolution. *BMC Evol. Biol.* **8**, 267.

Santos, M. & Szathmáry, E. (2008) Genetic hitchhiking can promote the initial spread of strong altruism. *BMC Evol. Biol.* **8**, 281.

Miceli, M. & Castelfranchi, C. (2007) The envious mind. *Cognition and Emotion*, 21(3), 449-479.

Polizzi di Sorrentino E, Schino G, Visalberghi E, Aureli F (2010) What time is it? Coping with expected feeding time in capuchin monkeys, *Animal Behaviour*, 80, 117-123.

Rowthorn, Robert and Sethi, Rajiv, (2008): *Procedural Rationality and Equilibrium Trust*, Economic Journal, Vol. 118, No. 530, pp 889-905

Rowthorn, Robert, Guzmán, Ricardo Andrés and Rodríguez-Sickert, Carlos (2008): *The economics of early social stratification* (under review) *

Rowthorn, Robert and Seabright, Paul (2009): *Warfare and the Multiple Adoption of Agriculture after the Last Ice Age* (under review) *

Rowthorn, Robert, Guzmán, Ricardo Andrés and Rodríguez-Sickert, Carlos (2009): *Theories of the evolution of cooperative behaviour: A critical survey plus some new results* (forthcoming in TECT volume) *

Samuel Bowles, "Power" in S. Durlauf and L. Blume, eds, *The New Palgrave Dictionary of Economics*, McMillan, 2008.

Samuel Bowles, "Cooperation" in S. Durlauf and L. Blume, eds, *The New Palgrave Dictionary of Economics*, McMillan, 2008

Samuel Bowles, "Culture Matters: Interpretation and Inferences from Behavioral Experiments in 15 Small Scale Societies," Melissa Brown, *Toward a Science of Culture* (2008, with Herbert Gintis).

Samuel Bowles, "Policies designed for self interested citizens may undermine "the moral sentiments:" evidence from experiments." *Science* 320, no. 5883, 2008

Samuel Bowles, "Mechanism design when preferences depend on incentives." *Journal of Public Economics*, 2008, with Sung Ha Hwang.

Samuel Bowles, "Conflict: Midwife of Human Cooperation," *Nature*, 456, 2008.

Samuel Bowles, "Strong Reciprocity and Team Production: Theory and Evidence" *Journal of Economic Behavior and Organization*, in press, 2009 (with Jeffrey Carpenter, Herbert Gintis and Sung-Ha Hwang)

Samuel Bowles, "When economic incentives backfire" *Harvard Business Review*, March 2009
Navarro, A. 2009. "Genoeconomics: promises and caveats for a new field. *Annals of the New York Academy of Sciences* (In Press)

Santos, M. & Szathmáry, E. (2008) Genetic hitchhiking can promote the initial spread of strong altruism. *BMC Evol. Biol.* **8**, 281.

Schino G, Aureli F (2010) The relative roles of kinship and reciprocity in explaining primate altruism, *Ecology Letters*, 13, 45-50.

Schino G, Aureli F (2010) Primate reciprocity and its cognitive requirements, *Evolutionary Anthropology*, 19, 130-135.

Schino G, Pellegrini B (in press) Grooming and the expectation of reciprocation in mandrills, *International Journal of Primatology*.

Schino G, Aureli F (in press) A few misunderstandings about reciprocal altruism, *Communicative and Integrative Biology*.

Schino G., Aureli F. (2010) The relative roles of kinship and reciprocity in explaining primate altruism, *Ecology Letters*, 13, 45-50.

Schino, G. & Aureli, F. (2008) Grooming reciprocation among female primates: a meta-analysis, *Biology Letters*, 9-11.

Schino, G., Aureli, F (2008). Trade-offs in primate grooming reciprocation: testing behavioural flexibility and correlated evolution. *Biological Journal of the Linnean Society*, 95, 439-446.

Schino G., Di Giuseppe F., & Visalberghi E. (2009). *The time frame of partner choice in the grooming reciprocation of *Cebus apella*. *Ethology*, 115, 70-76.

Schino G., Di Giuseppe F., & Visalberghi E. (2009). *Grooming, rank, and agonistic support in tufted capuchin monkeys. *American Journal of Primatology*, 71, 101-105.

Schino G., Pellegrini B. (submitted) *Grooming in mandrills and the time frame of reciprocal partner choice.

Szathmáry, E. (2008) The genetic code and natural language: their nature, origins and relation. In: P. Walde, F. Kraus (eds): *An den Grenzen des Wissens*. Vdf Hochschulverlag AG an der ETH Zürich. Pp. 185-207.

Szathmáry, E. (2008) Towards an understanding of language origins. In. M. Barbieri (ed.) *Codes of Life*, Springer-Verlag, pp. 283-313.

Számadó, S., Hurford, J.R., Bishop, D.V.M., Deacon, T.W., d'Errico, F., Fisher, J., Okanoya, K., Szathmáry E., White, S.A. (2009) What are the possible biological and genetic foundations of syntactic phenomena? In: Bickerton, D. & Szathmáry E. (eds) (2009) *Biological Foundations and Origin of Syntax*. MIT Press, Cambridge, Ma. pp. 207-236.

Számadó, S. & Szathmáry, E. (2008) Being human: Language: a social history of words. *Nature* **456**, 40-41.

Tiddi B, Aureli F, Schino G (2010) Grooming for infant handling in tufted capuchin monkeys: a reappraisal of the primate infant market, *Animal Behaviour*, 79, 1115-1123.

Tummolini, L (submitted) Shared intention revised: on collaborative reasoning in joint action context, *Philosophy and Psychology*.

Tummolini, L. (submitted). *Shared intention revisited.

Tummolini, L. (submitted). *The salience of silence: Towards a pragmatics of tacit interaction.

Tummolini, L, Andrighetto, G, Castelfranchi, C, Conte, R (in press) A convention or (tacit) agreement betwixt us: on reliance and its normative consequences, *Synthese*

Tummolini, L. (2008). *Convention: an interdisciplinary study. *Topoi*, 27(1), 1-3.

Published contributions to international conferences

COCOR:

Astbury S., Zucca P., Canestrari D., Baglione V. (2011) Social influence in birds: avian welfare is a matter of group. Proc. Of the European conference of Avian Medicine, Madrid, in press.

Bugnyar, T. (2008) Testing convergent cognitive evolution: primate-like third-party interventions in ravens. *Primate Eye*. Primate Society of Great Britain: 96, 263 (Special issue: XXII Congress of the International Primatological Society, August 3-8, 2008).

Bugnyar, T. (2008) Testing convergent cognitive evolution: primate-like third-party interventions in ravens. *Primate Eye*. 96, 263.

Bugnyar, T. (2010). Raven politics. Can concepts derived from primates can be applied to birds? *Primate Eye* 101, 16

- Ponticorvo M., Donetto D., Miglino O., Nolfi S., Zucca P. (2008) *La cooperazione nei corvidi: un modello di robotica evolutiva*. XIV Congresso Nazionale dell'Associazione Italiana di Psicologia, Sezione di Psicologia Sperimentale, Padova, 18-20 Settembre 2008
- Zucca P., Sovrano V., Bugnyar T. (2009) *Does preferential visual hemifield use allow inferring the emotional state of birds? The examples of Quails and Ravens*. Proceedings of the 10th European Conference of the Association of Avian Veterinarians. Antwerp, Belgium, 159-160.
- Zucca P. (2009) Anthelmintic efficacy evaluation in medium/small size pet birds: eggs per gram (epg) or egg per drop (epd)? Proceedings of the 10th European Conference of the Association of Avian Veterinarians. Antwerp, Belgium, 379.

DynCoopNet:

ALONSO GARCÍA, David -“¿Crisis dinástica? ¿Crisis política? Una mirada desde la fiscalidad (Castilla a principios de la Edad Moderna”, en J. M. Nieto, M. V. López-Cordón (Eds.), *Gobernar en tiempos de crisis. Las quiebras dinásticas en el ámbito hispánico*, Madrid, 2008, pp. 91-107.

ALONSO GARCÍA, David -“Capital privado y financiación regia en Castilla a comienzos de la Edad Moderna”, en S. Cavaciocchi (a cura di), *La fiscalità nell'economia europea. Secc. XIII-XVIII/ Fiscal systems in the European Economy from the 13th to the 18th centuries*, Prato, 2008, vol. II, pp. 793-800.

ALONSO GARCÍA, David -“Government debts and financial markets in Castile between XVth-XVIth centuries”, en F. Piolla (Ed.), *Government Debts and Financial Markets in Europe*, London, 2008, pp. 33-44.

ALONSO GARCÍA, David -“Guerra, hacienda y política. Las finanzas militares a inicios de la Edad Moderna”, en F. Andújar y A. Jiménez (eds.), *Los nervios de la guerra. Estudios sociales sobre el ejército de la Monarquía Hispánica (siglos XVI-XVII): nuevas perspectivas*, Granada, 2007, pp. 37-57.

ALONSO GARCÍA, David -“Jano en Madrid, Madrid con Jano. El nacimiento de una ciudad cortesana (1517-1556)”, en S. Muriel, C. Segura (Coords.), *Organización social del Espacio. III. Madrid en el tránsito de la Edad Media a la Moderna*, Madrid, 2008, pp. 331-347.

ALONSO GARCÍA, David -“Le città nella Spagna del Cinque e Seicento”, en *Costruzione e rappresentazione dei centri abitati in Sicilia in età moderna*, Bari, 2008, pp. 101-111

ALONSO GARCÍA, David -“Le gouvernement des finances royales de Castille au debut de l'époque moderne”, en A. Dubet (Ed.), *Administrer les finances dans la monarchie espagnole (XVI^e-XIX^e siècles)*, Rennes, 2008, pp. 27-40.

ALONSO GARCÍA, David -“Un mundo de financieros. La Hacienda Real de Castilla y sus arrendadores en las postrimerías del reinado”, en L. Ribot, J. Valdeón, E. Maza (coords.), *Isabel la Católica y su época. Actas del Congreso Internacional*, Valladolid, 2007, vol. I, pp. 499-516.

ALONSO GARCÍA, David -“Una nación, diferentes familias, múltiples redes: genoveses en Castilla a principios de la Edad Moderna”, en CRESPO SOLANA, Ana, (ed.) *Comunidades transnacionales: Las colonias de mercaderes extranjeros en el mundo atlántico (1500-1830)*, Madrid, 2010, pp. 65-82 (*)

ALONSO GARCÍA, David, “Finances royales et monde financier dans la création de la monarchie espagnole”, en A. Dubet (Ed.), *Administrer les finances dans la monarchie espagnole (XVI^e-XIX^e siècles)*, Rennes, 2008, pp. 175-186.

ALONSO GARCÍA, David, « Genoveses en la corte. Poder financiero y administración en el siglo XVI », en M. Herrero (Ed.), *Génova y la Monarquía Hispánica*, Génova, 2011 (forthcoming).

ALONSO GARCÍA, David, « De mercaderes a regidores. El pleito de los rediezmos en Roma y la familia Dueñas Aragón », *La villa de Madrid en los albores de la capitalidad (siglos XIV-XVI)*, Madrid, 2008, pp. 331-347.

ALONSO GARCÍA, David : « De mercaderes a regidores. El pleito de los rediezmos en Roma y la familia Dueñas Aragón », JIMÉNEZ RAYADO, E. (Coord.), *La Villa y la Tierra de Madrid en los albores de la capitalidad (siglos XIV-XVI)*, Madrid, 2010, pp. 109-128.

ALONSO GARCÍA, David, « Castilla, reino incierto. Legitimidad, orden político y afirmación monárquica principios del siglos XVI », in: Pecadores, heterodoxos y delincuentes. Indisciplina social y Estado confesional en la España Moderna (siglos XVI-XVII), Córdoba, 2011 (forthcoming)

ALONSO GARCÍA, David, « Financial Collaboration : a preliminary result using GIS technologiess for studying Castilian Fiscal System (1503-1525 », in: ALONSO, David & CRESPO, Ana (coords.) *Merchant Networks in the First Global Age: Cooperation and Representation*, (forthcoming) (*)

ALONSO GARCÍA, David, « Aproximación a las divisiones fiscales en Castilla a principios del siglo XVI », en *Los ámbitos de la fiscalidad: Fronteras, Territorios y Percepción de Tributos en los Imperios Ibéricos. Siglos XV-XIX*, Sevilla, 2011 (forthcoming)

ALONSO GARCÍA, David, « La hacienda real de Castilla y Aranda del Duero a principios del siglo XVI », en *Siglo XVI en la Ribera del Duero Oriental. Arte, Historia y Patrimonio*, Burgos, 2011 (forthcoming)

BERNABÉ, M. A, WYTTEBACH, A. F., MANSO, M., WACHOWICZ, M.: “Closing the Gap between Historical Digital Map Libraries and Spatial Data Infrastructures”. 11th. International Conference for Spatial Data Infrastructure. Global Spatial Data Infrastructure Association (GSDI). Rotterdam, (Netherlands). 17 June 2009 (*)

CASADO ALONGO, Hilario, “Viajes y negocios. Comercio regional y gran comercio en Castilla a finales de la Edad Media”, in J. I. DE LA IGLESIA DUARTE (coord.), *Viajar en la Edad Media. XIX Semana de Estudios Medievales. Nájera, del 4 al 8 de agosto de 2008*. Logroño, Instituto de Estudios Riojanos, 2009. pp. 305-334. ISBN 978-84-96637-61-0.

CRESPO SOLANA, Ana, “Comunidad y familia versus nación. Cooperación y competencia en las redes de negociantes neerlandeses (1690-1730)”, CRESPO SOLANA, Ana (ed.), *Comunidades transnacionales. Las colonias de mercaderes extranjeros en el mundo atlántico (1500-830)*, Madrid, 2010, pp. 47-55. (*)

CRESPO SOLANA, Ana, “Comunidades mercantiles:¿ redes de dependencia inter-imperial?” *Ireland and the Iberian Atlántic. Mobility, Involvement and Cross-Cultural Exchange (1580-1823)*, Valencia, albatros ed, 2010.

CRESPO SOLANA, Ana, “Dutch Merchants Communities and Hispanic Ports Cities in Atlantic System: Trade, people and information”. XIV International Economic History Congress, Sesión 18: “Imperial Networks and Global Bussines in Iberian World. XVth to XVIIIth centuries. Merchants, bankers and corporation”. Helsinki, agosto 2006. <http://www.helsinki.fi/iehc2006/papers1/Crespo.pdf>(*)

CRESPO SOLANA, Ana, “El interés público y el interés particular: una visión comparativa en las

representaciones de los mercaderes flamencos en la Corte de Felipe V" Agentes e Identidades en movimiento. España y los Países Bajos, siglos XV-XVIII". Universiteit Gent, Bélgica, 27-29 de septiembre de 2007, Córdoba, 2010.

CRESPO SOLANA, Ana, "A Change of Ideology in Imperial Spain? Spanish commercial policy with America and the change of dynasty (1648-1740)", Onnekink, D. & Rommelse, G. eds. The emergence of political ideology in foreign policy in early modern Europe (1650-1750), University Utrecht. Países Bajos. 25 y 26 de enero de 2008, forthcoming by Pickering and Chatto, 2011.

CRESPO SOLANA, Ana, "Merchants under close scrutiny: Spanish monopoly on American trade and laws against illicit trade (1714-1730)" European Association of Urban History, Ports on the border of the State: Dynamics and path Dependency, 1200-1800. Stockholm, Sweden, 2006. http://www.historia.su.se/urbanhistory/eauh/papers/s34_solana.pdf

CRESPO SOLANA, Ana, "Spain in Global Trade in the Early modern times. Geostrategy and mercantile interest (XV-XVIIIth)". *Global Trade Before Globalization (VIII- XVIII)*, London, *Brunei Gallery*, 27-28 de Septiembre de 2006.

FERNÁNDEZ WYTENBACH, A., ÁLVAREZ, M., BERNABÉ POVEDA, M.A., BORBINHA, J. (2007). "Digital Map Libraries in the Spatial Data Infrastructure (SDI) framework: The DIGMAP Project". *Actas XIII International Cartographic Conference ICC2007*, <http://www.icaci.org> (**)

GARCÍA-RODRÍGUEZ, M.J., URRUTIA-ZAMBRANA, A., BERNABÉ, M. A.: "Diseño de herramientas de análisis espacio-temporales para el estudio de bases de datos históricas". 6th. Technical Conference of the Spatial Data Infrastructure of Spain (JIDEE 2009).

GARCÍA-RODRÍGUEZ, M.J., URRUTIA-ZAMBRANA, A., BERNABÉ, M. A.: "Tools for spatio-temporal data analysis and dynamic visualization in a web-based GIS". International Conference in GIS in Humanities and Social Sciences 2009.

GELABERT GONZÁLEZ, Juan, "De Rotterdam a Ayamonte: la peripecia de un cargamento de falsa moneda en 1607", *La fabrique du faux monétaire: objet historique et usages sociaux (du Moyen Âge à nos jours)*, O. Caporossi et B. Traimond (orgs.), Bordeaux, 11-12, avril, 2008 (to be published shortly).

GELABERT GONZÁLEZ, Juan, 'These troublesome times': Francia, Inglaterra, los Países Bajos y el mercado ibérico (1598-1609)", Workshop Meeting: *Trust, Reputation, Defectors, and Sustaining Social Norms: Studying spatially complex cooperative relationships in ways that connect TECT projects* Porto, 2008 (unpublished Presentation) (*)

GELABERT GONZÁLEZ, Juan, "Entre 'arrêt générale' et 'libre traffic'. Les relations commerciales entre la France et l'Espagne de 1598 à 1609", *Le commerce atlantique franco-espagnol. Acteurs, négoce et ports (XVe-XVIIIe siècles)*, J.Ph. Priotti & G. Saupin (eds.), Rennes, 2008, pp. 161-182. (*)

GELABERT GONZÁLEZ, Juan, "La guerre et les alterations des relations commerciales entre les villes de la façade atlantique (1567-1609)", *Villes atlantiques dans l'Europe Occidentale du Moyen Age au XXe siècle*, Rennes, 2007, pp. 73-87. (*)

GELABERT GONZÁLEZ, Juan, "Los Spinola en Flandes al servicio de Felipe III (1598-1604)", *The Economic Role of the Family from the 13th to the 18th centuries, Settimana di Studio di Prato* (6-10,

April, 2008) (to be published shortly). (**)

GUERRERO-NIETO, M., URRUTIA-ZAMBRANA, A., GARCÍA-RODRÍGUEZ, M.J., SIABATO, W., BERNABÉ, M. A.: "Incorporating TimeML into a GIS". 11th International Conference on Intelligent Text Processing and Computational Linguistics. Iași (Romania), 21-27 March 2010

GUERRERO-NIETO, M., URRUTIA-ZAMBRANA, A., GARCÍA-RODRÍGUEZ, M.J., BERNABÉ, M. A.: "Normalization of indefinite temporal expressions with a view to integration in a spatio-temporal GIS". International Conference in GIS in Humanities and Social Sciences 2009.

GUERRERO-NIETO, M., URRUTIA-ZAMBRANA, A., GARCÍA-RODRÍGUEZ, M.J., BERNABÉ, M. A.: "Incorporación de la temporalidad de un corpus histórico en un SIG". 6th. Technical Conference of the Spatial Data Infrastructure of Spain (JIDEE 2009).

MANSO, M. A., WACHOWICZ, M., BERNABÉ, M. A.: "Automatic Metadata Creation for Supporting Interoperability Levels of Spatial Data Infrastructures". 11th. International Conference for Spatial Data Infrastructure. Global Spatial Data Infrastructure Association (GSDI). (*)

MONTOJO MONTOJO, V. "Inmigración y grupos de poder en el Levante español", en Coste, Laurent dir. *Colloque Le pouvoir et le sang. Les élites dirigeantes urbaines dans l'Europe maritime et les colonies européennes (fin XVe-fin XIXe siècles)*, Bordeaux, Maison des Sciences de l'Homme d'Aquitaine, 2010, p. 95-108.

RUIZ IBÁÑEZ, J.J./MONTOJO MONTOJO, V. "Los portugueses y la política imperial: de Amberes y el sureste peninsular, entre oportunidades y frustraciones", en Coloquio Portugal y la Monarquía Española, Lisboa, Universidade de Lisboa, 2010, en prensa.

MUKHERJEE, Rila, *Mastery for the Bay: Varying Strategies for Trade and Colonisation in the Bay of Bengal*, Kolkata. Forthcoming(*)

OWENS, J. B. "Understanding the Social Networks of Milanese Merchants Based in Sixteenth-Century Castile (The example of Cuenca, 1559)." *Society for Spanish and Portuguese Historical Studies: Bulletin*, 33, 1 (2009): in press.

OWENS, J. B. "Una perspectiva sobre la historia "contemporánea" de España formulada por un historiador norteamericana de la época "moderna" (working title). IX Coloquio Internacional de estudios históricos, Modena, Italy, 9-11 November 2009. Invited presentation to be published in 2010 in the Italian journal *Spagna contemporanea: Rivista di storia, cultura e bibliografia*. (**)

HIBBERD, Robert E., and OWENS, J. B. (2010). "Abstract: Building a digital historical gazetteer and tracking Iberian place name changes between the first and second global ages". Paper for the session "GIS for the Development of Digital Historical Gazetteers II", 2010 annual meeting of the Association of American Geographers (AAG), Washington, D.C., 15 April 2010; published at the URL: http://communicate.aag.org/eseries/aag_org/program/AbstractDetail.cfm?AbstractID=29505

OWENS, J. B. "Violence and Smuggling in Sixteenth-Century Eastern La Mancha." *Society for Spanish and Portuguese Historical Studies: Bulletin*, 32, 1 & 2 (2007): 70-71.

OWENS, J. B. "Understanding the Social Networks of Milanese Merchants Based in Sixteenth-Century

Castile (The example of Cuenca, 1559).” *Society for Spanish and Portuguese Historical Studies: Bulletin*, 33, 1 (2009): 40-41.

OWENS, J. B. (2009). “The Use and Importance of Geospatial Data in Geographically-Integrated History” (pdf, 820 Kb). Framing a National Preservation and Access Strategy for Geospatial Data, November 12-13, 2009, Whittall Pavilion, Library of Congress, Washington, DC, published at the URL: http://www.digitalpreservation.gov/news/events/other_meetings/geosummit09/index.html

OWENS, J. B. (2010). “Using GIS to Explore the Nonlinear Dynamics of Historic Systems”. Session: “There is no place like home!” – Why Historians would want to use GIS, Royal Geographical Society annual conference, London, UK, 1-3 September; abstract: https://docs.google.com/View?id=dzs44v7_1283cmzjsjgft

SANDES, ANDERSON, C. & OWENS, J. B., “A Globally Oriented Deep Mapping of Brazil.” *Proceedings of the International Cartographic Conference, International Cartographic Association*, 15-22 November 2009, Santiago, Chile, http://icaci.org/documents/ICC_proceedings/ICC2009/html/refer/22_6.pdf

PICAZO MUNTANER, Antoni. Cooperación y colaboración anglo-hispánica en el Indopacífico, Congreso Internacional de La Corte En Europa, Madrid: 2009.

POLÓNIA, Amélia; NOGUEIRA, Miguel; BARROS, Amândio, “Now and Then, Here and There... on business”. Mapping social/trade networks on First Global Age” in *Mapping Different Geographies Workshop*, (Puchberg am Schneeberg , Austria, 11th - 15th February 2009) (*)

POLÓNIA, Amélia, “The Northwestern Portuguese Seaport System in the Early Modern Age”, in VI International Economic History Congress. Paineil: “Making global and local connections: historical perspectives on port economics”, coord. Lewis Fischer; Bergholm Tapio; Elisabetta Tonizzi. (Helsínquia, Agosto de 2006). Published as “The Northwestern Portuguese Seaport System in the Early Modern Age” in Tapio Bergholm, Lewis R. Fischer and Elisabetta Tonizzi, coord.- *Making Global and Local Connections: Historical Perspectives on Ports [Research in Maritime History series (No. 35)]*, Newfoundland, International Journal of Maritime History, 2008, pp.113-136.

POLÓNIA, Amélia, “European Seaports as Centres of economic growth (16th - 18th centuries) – an historiographical approach”. Joint paper with Inês Amorim , in “*Shipping Efficiency and Economic Growth. 1350-1800. International workshop*”, coord. Richard Unger (Lagos, April 2007) . [To be published, in a different version as : “Portuguese seaports as centres of economic growth (16th - 18th centuries). A theoretical and empirical approach” in *Shipping Efficiency and Economic Growth. 1350-1800*, coord. Richard Unger, Boston, Brill Academic Publishers, [2009]. Submitted to evaluation.

POLÓNIA, Amélia - “HISPORTOS – A research Project on Portuguese Seaports in the Early Modern Age” in *European Seaport System In The Early Modern Age – A Comparative Approach. International Workshop (Porto, FLUP, 21/22 October 2005). Proceedings*, Porto, IHM-UP, 2007, pp. 28-39.

POLÓNIA, Amélia, « Impact des dynamiques économiques en des villes maritimes : la construction de l’espace urbain (Portugal. XVIème – XVIIIème siècles) » in “*La ville et le monde. XVe- XXIe siècles*” (Nantes/ La Rochelle, June 2007). [In print]

POLÓNIA, Amélia, “Self organising networks in the construction of the Portuguese overseas empire”, in 5th International Congress of Maritime History, promovido pela IMEHA (International Maritime Economic History Association) (Greenwich, 23-27 Juin 2008). [To be published, as a joint publication, with Jack Owens, on the *International Journal of Maritime History*] (**)

POLÓNIA, Amélia, “Women’s participation in labour and business in the European Maritime Societies in the Early Modern Period”, In *XL Settimana di Studi: Il ruolo economico della famiglia. Secs. XIII-XVIII. 4ª Session* : “Il diverso ruolo dei maschi e delle femine nei contesti familiari” (Prato, 6-10 April 2008). [To be published in the Proceedings, 2009] (*)

POLÓNIA, Amélia; Casado Alonso, Hilario; BARROS, Amândio, "The reputation and the maintenance of social norms among merchants: the Simón Ruiz case. Presentation of a research project", in *"Trust, Reputation, Defectors, and Sustaining Social Norms: Studying spatially complex cooperative relationships in ways that connect TECT projects. International workshop"* (University of Porto, 26-29 March 2008). Available soon at www.dyncoopnet.pt (*)

POLÓNIA, Amélia, BARROS, Amândio, *Commercial flows and transference patterns between Iberian empires (16th-17th. centuries)* in: Alonso Garcia and Crespo Solana (coord.), *Merchant Networks in the First Global Age: Cooperation and Representation*, (forthcoming), [2011]. Available at <http://dyncoopnet-pt.org/working-papers> (*)

POLÓNIA, Amélia, *Jumping frontiers, crossing barriers. Technical and cultural transferences between the Mediterranean, the Atlantic and the Indian Oceans. The Portuguese overseas expansion case study* in *International Conference Oceans Connect: New Directions in Maritime Studies* (University of Hyderabad , 31 January -4 February 2010). [Forthcoming]. Available at <http://dyncoopnet-pt.org/working-papers>

POLÓNIA, Amélia, FEEGI Conference "Empire and Identity" (Washington D.C. - Georgetown University, 22-23 February 2008) USA in *Revista da Faculdade de Letras. História*, 3ª sr., 9 (2008) News section. [In print]

POLÓNIA, Amélia, " Fifth IMEHA International Congress of Maritime History" (Greenwich, 23-27 Junho 2008) USA in *Revista da Faculdade de Letras. História*, 3ª sr., 9 (2008) News section. [In print]

POLÓNIA, Amélia, International workshop "Trust, Reputation, Defectors, and Sustaining Social Norms: Studying spatially complex cooperative relationships in ways that connect TECT projects" (Porto, FLUP, 26-29 March 2008) in *Revista da Faculdade de Letras. História*, 3ª sr., 9 (2008). News section. [In print]

SIABATO, W., WYTTEBACH, A. F., BERNABÉ, M. A., ÁLVAREZ, M., MARTINS, B.: "Análisis semántico del lenguaje natural para su incorporación en sistemas de consulta". 5th. Technical Conference of the Spatial Data Infrastructure of Spain (JIDEE 2008).

WYTTEBACH, A. F., MOYA, I, DAWOOD, Z., GALINDO A., SIABATO, W., BERNABÉ, M. A.: "Integración de Cartotecas Virtuales como herramienta de apoyo en la investigación histórica y social". 6th. Technical Conference of the Spatial Data Infrastructure of Spain (JIDEE 2009).

YUAN, May, Yuan, M. Dynamics GIS: Recognizing the Dynamic Nature of Reality, *ArcNews* Spring 2008. (**)

SOCOP:

Campenni, M., Andrighetto, G., Cecconi, F. & Conte, R. (in press). Normal = Normative? The Role of Intelligent Agents in Norm Innovation. Proc. of The Fifth Conference of the European Social Simulation Association (ESSA), edited by Flaminio Squazzoni.

Giardini, F., Di Tosto, G., Conte, R. (in press). Reputation and Economic Performance in Industrial Districts: Modelling Social Complexity Through Multi-Agent Systems. In Proc. of the 2nd World Congress on Social Simulation 2008 (WCSS-08) (p. —). George Mason University, Fairfax, USA.

Gaudou, B., Longin, D., Lorini, E., Tummolini, L. (2008) Anchoring Institutions in Agents' Attitudes: Towards a Logical Framework for Autonomous MAS. In Proc. of 7th Int. Conf. on Autonomous Agents

and Multiagent Systems (AAMAS 2008), Padgham, Parkes, Mueller and Parsons (eds.), May, 12-16., 2008, Estoril, Portugal, 728-735.

News & Views-type articles

COCOR:

Bugnyar, T. (2008) Animal cognition: Rooks solve cooperation task. *Current Biology*, **18**, 530-532.

Bugnyar, T. (2008). Book review Reznikova, Z. 'Animal Intelligence. From individual to social cognition'. *Myrmecological News*, **11**, 42

Canestrari D., Chiarati, E.; Vera, R Marcos J. M. 2010. Lazy group members are substitute helpers in carrion crows. *Proceedings of the Royal Society of London B* 277, 3275-3282

Weaver, J. 2010 Crows pitch in when it counts. *Nature News* (2 June 2010) about: Baglione, V.

SENSE:

K. Sigmund (2009), Sympathy and similarity: the evolutionary dynamics of cooperation, *PNAS* 106, 8405-8406, doi:10.1073/pnas0903947106,
<http://www.pnas.org/content/early/2009/05/15/0903947106>

SOCCOP:

Számadó, S. & Szathmáry, E. (2008) Being human: Language: a social history of words. *Nature* **456**, 40-41.

Other articles (please define)

COCOR:

Serra-Garcia, M., van Damme, E., and Potters, J., 2008. "Truth or Efficiency? Communication in a Sequential Public Good Game", TILEC Discussion Paper No. 2008-047, CentER Discussion Paper Series No. 2008-107, submitted.

Serra-Garcia, M., van Damme, E., and Potters, J., 2010. "Hiding an Inconvenient Truth: Lies and Vagueness", TILEC Discussion Paper No. 2010-029 (Revision of 2008-047). Available at SSRN: <http://ssrn.com/abstract=1653734>, under revision.

Serra-Garcia, M., van Damme, E., and Potters, J., 2010. "Which Words Bond? An Experiment on Signaling in a Public Good Game". CentER Discussion Paper Series No. 2010-33. Available at SSRN: <http://ssrn.com/abstract=1579969>, under revision.

DynCoopNet:

(Book Reviews, Encyclopaedias Entries, and book chapters)

ALONSO GARCÍA, David -MENJOT, D. y SÁNCHEZ MARTÍNEZ, M.: *Fiscalidad de Estado y fiscalidad municipal en los reinos hispánicos medievales*, Madrid, Casa de Velásquez, 2006, en *Hispania*, nº 229 (2008), pp. 541-543. (invited) (Book Review)

ALONSO GARCÍA, David -RIVERO RODRÍGUEZ, M.: *Gattinara. Carlos V y el sueño del Imperio*, Madrid, Silex, 2005, en *Cuadernos de Historia Moderna*, nº 32 (2007), pp. 241-242. (Book Review)

ALONSO GARCÍA, David -“Between three continents. The Fornari networks and their business at the beginning of First Global Age”, Rila Mukherjee ed. *Networks in the First Global Age 1400-1800*, New Delhi, Primus Books, 2011. (*)

ALVAREZ NOGAL, Carlos, “The role played by short-run credit in the Spanish monarchy’s finances”, PIOLA CASELLI, F. (edit.) *Government debts and financial markets in Europe, 2008*, pp. 81-97, Pickering & Chatto, London, (England) (Book Chapter)

CASADO ALONSO, Hilario, Comercio, finanzas y hombres de negocios en los siglos XV y XVI: entre Jacob Fugger y Simón Ruiz”, in A. SÁNCHEZ DEL BARRIO (coord.), *Farnesco Datini, Jacob Fugger, Simón Ruiz. Los legados histórico artístico y documentales de tres grandes hombres de negocios*. Medina del Campo, Junta de Castilla y León y Museo de las Ferias, 2009. pp. 43-61. ISBN 978-84-613-2895-5.

CASADO ALONSO, Hilario, ¿Existió la crisis del siglo XIV?. Consideraciones a partir de los datos de la contabilidad de la Catedral de Burgos”, in M^a. I. DEL VAL VALDIVIESO y P. MARTINEZ SOPENA (dirs.), *Castilla y el mundo feudal. Homenaje al profesor Julio Valdeón*. Valladolid, 2009. Vol. III. pp. 9-25. ISBN 978-84-9718-582-2

CASADO ALONSO, Hilario, Les relations entre les foires de Castille et les foires de Lyon au XVI^e siècle, in J. L. GAULIN et S. RAU (eds.), *Lyon vu/e d’ailleurs (1245-1800): échanges, compétitions et perceptions*. Lyon, Presses Universitaires de Lyon, 2009. pp. 91-108. ISBN 978-2-7297-0825-2

CASADO ALONSO, Hilario, Crédito y comercio en las ferias de Medina del Campo en la primera mitad del siglo XVI, in E. GARCIA GUERRA y G. DE LUCA (eds.), *Il mercato del credito in età moderna. Reti e operatori finanziari nello spazio europeo*. Milán, Franco Angelli edizioni, 2010. pp. 21-47. ISBN 978-88-568-2357-8.

CASADO ALONSO, Hilario, Genèse et fin des réseaux de commerce castillans dans l’Europe des XV^e et XVI^e siècles, in D. COULON (ed.), *Réseaux marchands et réseaux de commerce. Concepts récents, réalités historiques du Moyen Âge au XIXe siècle*. Strasbourg. Presses Universitaires de Strasbourg, 2010. pp. 129-149. ISBN 978-2-86820-451-6.

CASADO ALONSO, Hilario, La circulation de l’information dans les réseaux de commerce espagnols aux XV^e et XVI^e siècles, *Cahiers du Centre de Recherches Historiques*. Número especial *Circulations et frontières. Autour du 101^e anniversaire de Fernand Braudel*. Octobre 2008, 42, pp. 225-251. ISSN 0990-9141.

CRESPO SOLANA, Ana, *Castelnau – L’Estoile, Charlotte de y Regourd, François (dirs.), Connoissances e pouvoirs. Les espaces impériaux (XVIe – XVIIIe siècles), France, Espagne, Portugal, Burdeos, Presse Universitaires de Bordeaux, 2005, 407 págs. Revista de Indias, nº 240, 2007. (Book Review)*

CRESPO SOLANA, Ana, Fuente, Alejandro de la, *Havana and the Atlantic in the Sixteenth Century*, Capel Hill, The University of North Carolina, 2006, *Revista de Indias*, vol. LXVIII, nº 244, pp. 185-187. 2008 (Book Review)

CRESPO SOLANA, Ana, Pearce, Adrian, *British Trade with Hispanic America, 1763, 1808*, Liverpool University Press, 2007. *Revista de Indias*, vol. LXVIII, nº 244, pp. 191-193, 2008. (Book Review)

CRESPO SOLANA, Ana, Weindl, Andrea, *Wer Kleidet die Welt? Globale märkte und mercantile kräfte in der Europäischen politik der Frühen Neuzeit*, Mainz, Verlag Philipp Von Zabern, 2007. *Hispania*. 2008. (Book Review)

CRESPO SOLANA, Ana, Santos Pérez, José Manuel y Cabral de Souza, George (eds.) *El Desafío holandés al dominio ibérico en Brasil en el siglo XVII*, Salamanca, Ediciones Universidad de Salamanca, 2006, 290 págs. ISBN: 84-7800-467-X *Revista de Indias*, nº 240, 2007 (Book Review)

CRESPO SOLANA, Ana, PRIOTTI, Jean-Phillippe y SAPIN, Guy (dirs.), *Le commerce atlantique franco-espagnol. Acteurs, négoces et ports (XVe- XVIIIe siècle)*, Rennes, Presses Universitaires de Rennes, 2008, 338 págs, ISBN: 978-2-7535-0627-5. *Hispania, Revista Española de Historia*, (forthcoming) (book Review)

CRESPO SOLANA, Ana, Antonio Ibarra y Guillermina del Valle Pavón (coords.) *Redes sociales e instituciones comerciales en el imperio español, siglos XVII a XIX*, México: Instituto Mora, UNAM, 2007, 342p. *Revista de Indias* (forthcoming) (Book Review)

CRESPO SOLANA, Ana, Leïla Maziane, *Salé et ses corsaires (1666-1727). Un port de course marocain au XVIIIe siècle*, Caen, Publication des Universités de Rouen et du Havre, Presses Universitaires de Caen, 2007, 366 págs, ISBN : 978-2-84133-282-3. *Tiempos Modernos*, (2009) (Book Review).

CRESPO SOLANA, Ana & OWENS, J.B. "Dynamic Complexity of Cooperation-Based Self-Organising Networks in the First Global Age (DynCoopNet)." In Ronald Noë, Rüdiger Klein, Julia Boman, and Claire Rustat-Flinton (editors), *The Evolution of Cooperation and Trading (TECT)*. Strasbourg, France: European Science Foundation, EUROCORES Programme, 2008 [ISBN 2-912049-83-0], pp. 23-35. Book downloadable from the <http://www.esf.org/activities/eurocores/programmes/tect.html>, accessed on 6 December 2008. (*) (Book Chapter)

CRESPO SOLANA, Ana, "Dutch Merchant Networks and the trade with Hispanic Port Cities in the Atlantic (1648-1778)," Bernd Hausberger & Nikoalus Böttcher (eds.) *Redes y comercio en el mundo ibérico, siglos XVI-XIX*, Ibero_americano de Berlín y El Colegio de México, Ed. Vervuert/Iberoamericana (Frankfurt a. M./Madrid) 2010 (Book Chapter)

CRESPO SOLANA, Ana, "Flandes y la expansión mercantil europea: naturaleza de una red atlántica (siglos XV-XIX)," PAZ, Manuel De (coord.) *Flandes y Canarias. Nuestros orígenes nórdicos*, Vol. III. ISBN: 978-87-7926-486-4, págs. 13-84, Santa Cruz de Tenerife, 2007. (Book Chapter)

CRESPO SOLANA, Ana, "Interés y Divergencia: Aproximación teórica-metodológica al estudio de la opinión mercantil anglo-holandesa durante la Guerra de Sucesión", BERNARDO ARES, José Manuel (coord.) *La Sucesión de la Monarquía Hispánica, 1665-1725. Biografías relevantes y procesos*

complejos, Ed. Sílex, Madrid, Córdoba, 2009, pp. 139-166. (Book Chapter)

CRESPO SOLANA, Ana, "The Iberian Peninsula in the First Global Trade. Geostrategy and Mercantile Network interests (XV to XVIII centuries)" *Global Trade Before Globalization. (VIII-XVIII Centuries)*, Madrid: Fundación Cultura de Paz, Huella Árabe, 2007. pp. 107-118. *Editor Grupo76*. (Book Chapter (**))

CRESPO SOLANA, Ana, "Geostrategy of a System? Merchant Societies and Exchange Networks as connection centres in the Spanish Atlantic Trade in the First Global Age." Rila Mukherjee ed. *Networks in the First Global Age 1400-1800*, New Delhi, Primus Books, 2011(*)

GARDINI, L. PUU, T. & SUSHKO, I. "A Goodwin-Type Model with Piecewise Linear Investment Function", in T. Puu and I. Sushko (Eds.) *Business Cycle Dynamics: Models and Tools*, 317-334, (Springer-Verlag, ISBN 3-540-32167-5) (Book Chapter) 2006 (**)

GARDINI, L. PUU, T. & SUSHKO, I. "The Hicksian Model with Investment Floor and Income Ceiling", in T. Puu and I. Sushko (Eds.) *Business Cycle Dynamics: Models and Tools*, 179-192, (Springer-Verlag, ISBN 3-540-32167-5) 2006 (Book Chapter)

GELABERT GONZÁLEZ, Juan, "El control de la economía", *Historia de Europa*, Miguel Artola (ed.), Madrid, 2007, I, pp. 497-588. (Book Chapter)

GELABERT GONZÁLEZ, Juan E.: "Volúmenes y valores. Las aduanas de Sevilla entre 1595 y 1609", en León C. Alvarez Santaló (ed.), *Estudios de historia moderna en homenaje al profesor Antonio García-Baquero*, Sevilla, 2009, pp.101-124. (Book Chapter)

GELABERT GONZÁLEZ, Juan E.: "Gasto militar en tiempo de paz. El ejemplo de la monarquía hispana de 1609 a 1618", en Giuseppe Di Stefano, Elena Fasano Guarini, Alessandro Martinengo (eds.), *Italia non spagnola e monarchia spagnola tra '500 e '600. Politica, cultura e letteratura*, Firenze, 2009, pp. 43-53.

GRANELL CANUT, C., GOULD CARLSON, M., MANSO CALLEJO, BERNABÉ POVEDA, M.A. "Spatial Data Infrastructures". En *Handbook of Research on Geoinformatics. Information Science Reference Encyclopedia of Geoinformatics*. H.Karimi & Rita de Cassia Veiga Marriott (ed Idea Group, Inc Hershey.(Pennsylvania). Lugar de publicación: Hershey (PE) USA ISBN 978-1599049953. (in press) 2009.

<http://www.igi-global.com/reference/details.asp?ID=9706&v=tableOfContents>. 2009.

<http://www.ipgh.org/spanish/publicaciones/periodicas/inrca.htm>

Índice provisional: <http://www.ipgh.org/Publicaciones/Files/Periodicas/RCA/RCA-083.pdf>

ITURRIOZ, T., WACHOWICZ, M.: "An artistic perspective for Collaborative and Affective Cartography". Book: "Mapping Different Geographies" - Lecture Notes in Geoinformation & Cartography. Editor: Springer Berlin / Heidelberg. 2010 (Book Chapter) (*in press*) (*)[essential for project].

MONTOJO MONTOJO, V. "El patronazgo de los comerciantes de Cartagena (s. XVIII)", en Homenaje al académico José Antonio Molina Sánchez, Murcia, Real Academia Alfonso X el Sabio, 2006, p. 296-304. book chapter

MONTOJO MONTOJO, V. "Las poblaciones veleznas y la contratación de Levante (siglo XVII-inicios XVIII)", en *Los señoríos en la Andalucía Moderna. El Marquesado de los Vélez*, coords. Francisco Andújar Castillo y Julián Pablo Díaz López, Almería, Instituto de Estudios Almerienses, 2007, p. 295-306. book chapter.

MONTOJO MONTOJO, V. "Yecla y su aduana: la relación con el comercio de Alicante", en Homenaje al académico Miguel Ortuño Palao, Murcia, Real Academia Alfonso X el Sabio, 2009, pp. 195-202. book chapter.

MUKHERJEE, Rila 'Faith and Empire: Vailankanni in Portuguese Asia', *Metahistory: History Questioning History, Festschrift in Honour of Teotonio R. de Souza eds. C.J.Borges and M.N.Pearson*, Lisbon, Nova Vega. 2007(Book chapter)

MUKHERJEE, Rila 'The Mystery of Samandar' in S. Jeyaseela Stephen ed. *The Indian Trade at the Asian Frontier*, New Delhi, Gyan Books. 2008 (Book chapter)

MUKHERJEE, Rila, 'The Nawab's Business: Agricultural and Commercial Practices in Eighteenth Century Bengal' in C.Palit and P. Bhattacharyya eds. *Business History in India*, New Delhi, Kalpaz Publications. 2006 (Book Chapter)

MUKHERJEE, Rila Review essay, 'The Indian Ocean in the "New Thalassology"', *Archipel* **76**: 291-329. 2008 (Book Review)

MUKHERJEE, Rila "Short Notice', *Indian Historical Review*, XXXIV, 2, July, 2007, 267-8. (Book Review)

MUKHERJEE, Rila, 'Medieval Indian State and Polity' in C. Palit ed. *Indian Historiography*, Vol. 1, Kolkata, Readers Service, 2009. Book Chapter.

MUKHERJEE, Rila, 'Introduction: From Denizen to Citizen' in Rila Mukherjee and M.N.Rajesh eds. *Locality History Memory*, CSP, Newcastle, forthcoming May 2009.

MUKHERJEE, Rila, 'Vailankanni and the Geography of Citizenship' in Rila Mukherjee and M.N.Rajesh eds. *Locality History Memory*, CSP, Newcastle, forthcoming May 2009.

MUKHERJEE, Rila 'Introduction: The Many Faces of the First Global Age 1400-1800' in Rila Mukherjee ed. *Global Systems, Cooperative Strategies, Multiple Networks and Coveted Commodities in the First Global Age: 1400-1800*, forthcoming Manohar Publishers, New Delhi, 2009.

MUKHERJEE, Rila, 'The "Small World" of the Textile Merchant at Kasimbazar, India' in Rila Mukherjee ed. *Networks in the First Global Age 1400-1800*, New Delhi, Primus Books, 2011(*)

MUKHERJEE, Rila 'Introduction: Dynamics in the Bay' to Rila Mukherjee ed. *Dynamics in the Bay of Bengal* (working title), Cambridgindia, forthcoming.

MUKHERJEE, Rila, 'The Delta and Its History' (working title) in Rila Mukherjee ed. *Dynamics in the Bay of Bengal* (working title), Cambridgindia, forthcoming.

MUKHERJEE, Rila, Short Notice, *IHR*, 35, 2. 2009, (Book Review)

OWENS, J.B. Review of J. H. Elliott, *Empires of the Atlantic World: Britain and Spain in America*,

1492-1830. In *Society for Spanish and Portuguese Historical Studies: Bulletin*, 32, 1 & 2 (2007): 56-57. (Book Review)

OWENS, J.B. Review of Linda L. Hill, *Georeferencing: The Geographic Associations of Information*. In *Journal of the Association for History and Computing*, 10, 2 (August 2007): <http://mcel.pacificu.edu/jahc/2007/issue2/holcomb.php> or <http://mcel.pacificu.edu/jahc/indexes/?index=@books&p=26> (Book Review)

OWENS, J.B. "Historical Studies, GIS for." In Karen Kemp (ed.), *Encyclopedia of Geographic Information Science*. Thousand Oaks, California: Sage (2008): 220-21. (Book Chapter)

OWENS, J.B. "What Historians Want from GIS." In *GIS Best Practices: Essays on Geography and GIS*. Redlands, California: ESRI, 2008, pp. 35-46, and <http://www.esri.com/library/bestpractices/essays-on-geography-gis.pdf>, accessed on 22 October 2008. (*) (Book Chapter)

OWENS, J.B. Review of Bartolomé Yun (2004), *Marte Contra Minerva: El precio del Imperio español, c. 1450-1600*. In *Journal of Modern History*, 80, 3 (September 2008): 696-7. (Book Review)

OWENS, J.B. Review of Jean Dangler, *Making Difference in Medieval and Early Modern Iberia* In *American Historical Review*, 112, 4 (October 2007): 1264-5. (Book Review)

OWENS, J. B. (2008). Review of Jesús María Usunáriz, *España y sus tratados internacionales: 1516-1700*. In *Sixteenth Century Journal*, 39, 3 (Fall): 840-2. (Book Review)

OWENS, J. B. (2009). Review of Óscar Mazín (2007), *Gestores de la Real Justicia: Procuradores y agentes de las catedrales hispanas nuevas en la corte de Madrid*. In *Hispanic American Historical Review* 89, 3 (August): 515-516. DOI: 10.1215/00182168-2009-013. (Book Review)

OWENS, J. B. (2010). Review of Fortea, J. I. & Gelabert, J. E. (Eds.), *Ciudades en conflicto (siglos XVI-XVIII)*. In *Parliaments, Estates, and Representation* 30, 1: 94. (Book Review)

OWENS, J.B. "Understanding the social networks of Milanese merchants based in sixteenth-century Castile." In *Networks in the First Global Age 1400-1800*, Rila Mukherjee ed. (New Delhi, Primus Books, 2011). (Book Chapter)

OWENS, J.B. "What kind of system is it? The DynCoopNet Project as a Tribute to Andre Gunder Frank (1929-2005)." In *Networks in the First Global Age 1400-1800*, Rila Mukherjee ed. (New Delhi, Primus Books, 2011). (Book Chapter)

OWENS, J.B. Review of Sebastián Molina Puche (2007), *Poder y familia: Las élites locales del corregimiento Chinchilla-Villena en el siglo del barroco*. In *Society for Spanish and Portuguese Historical Studies: Bulletin*, 32, 2 (December 2008): 45-46. (Book Review)

OWENS, J. B. (Forthcoming) Review of Barbara H. Stein and Stanley J. Stein (2009). *Edge of Crisis: War and Trade in the Spanish Atlantic, 1789-1808*. In *Association for Spanish and Portuguese Historical Studies: Bulletin*. (Book Review)

OWENS, J. B. (Submitted; under review). "Narrating Stories about the World System of the First Global Age, 1400-1800". In Salvatore Babones and Christopher Chase-Dunn (eds.), *Routledge*

International Handbook of World-Systems Analysis: Theory and Research. Abingdon, UK: Routledge. (Book Chapter)

OWENS, J. B. (Submitted; under review). "Dynamic Complexity of Cooperation-Based Self-Organizing Commercial Networks in the First Global Age (DynCoopNet): What's in a name?" In David Alonso García and Ana Crespo Solana (eds.), *Merchant Networks in the First Global Age: Cooperation and Representation*. forthcoming (Book Chapter)

OWENS, J. B. (2010). Review of Alexandra Parma Cook and Noble David Cook, *The Plague Files: Crisis Management in Sixteenth-Century Seville*. In *American Historical Review* 91, 1 (February): 296-297. (Book Review)

OWENS, J. B. (2009). "What Historians Want from GIS." In *GIS Best Practices: Social Sciences*. Redlands, California: ESRI, pp. 35-45. (Book Chapter)

OWENS, J. B. (Forthcoming). "Narrating Little Stories about the Portuguese in the Making of World History". Ed. Rila Mukherjee, *Proceedings of the international conference "Oceans Connect: New Directions in Maritime Studies"*, Department of History, University of Hyderabad, Hyderabad, in collaboration with Maulana Abul Kalam Azad Institute of Asian Studies (MAKAIAS), Kolkata. Hyderabad, India, 31 January – 3 February 2010 (Book Chapter)

PICAZO MUNTANER, Antoni. Ports, Trade and Networks. One Example: Trade in Manila. Databases for a historical Research GIS, David Alonso García and Ana Crespo Solana (eds.), *Merchant Networks in the First Global Age: Cooperation and Representation*. forthcoming (Book Chapter) (*)

PICAZO MUNTANER, Antoni. Cooperation and Colaboration in Indic and Pacific Ocean. Models *Networks in the First Global Age 1400-1800*, Rila Mukherjee ed. (New Delhi, Primus Books, 2011). (Book Chapter) (*)

POLÓNIA, Amélia, Global interactions: Representations of the East and the Far East in Portugal (Sixteenth Century) in *Networks in the First Global Age 1400-1800*, Rila Mukherjee ed. (New Delhi, Primus Books, 2011). Available at <http://dyncoopnet-pt.org/working-papers> (Book Chapter)

POLÓNIA, Amélia, " Women's participation in labour and business in the European Maritime Societies in the Early Modern Period" in *Il ruolo economico della famiglia. Secs. XIII-XVIII. Atti delle "Settimane di studio"* , Prato, Istituto Internazionale di Storia Economica "F. Datini", [2009]. (Book chapter)

POLÓNIA, Amélia, "European Seaports as Centres of Economic Growth from the Sixteenth through the Eighteenth Century" in *Shipping Efficiency and Economic Growth. 1350-1800*, coord. Richard Unger, Boston, Brill Academic Publishers, [2009]. (Book chapter)

POLÓNIA, Amélia; NOGUEIRA, Miguel; BARROS, Amândio - "Now and Then, Here and There... on business". *Mapping social/trade networks on First Global Age* in Kriz, K., Cartwright, W. E., and Hurni, L. (eds) (in press), *Mapping Different Geographies*, Heidelberg, Springer Verlag, 2010 (Book chapter). Available at <http://dyncoopnet-pt.org/working-papers>

POLÓNIA, Amélia; BARROS, Amândio - *Commercial flows and transference patterns between Iberian empires (16th-17th. centuries)* in: ALONSO, David & CRESPO, Ana (coords.) *Merchant Networks in the First Global Age: Cooperation and Representation*. Available at <http://dyncoopnet-pt.org/working->

[papers](#)

PUU, T., "A Short History of the Multiplier-Accelerator Model", in T. Puu and I. Sushko (Eds.) *Business Cycle Dynamics: Models and Tools*, 79-112, (Springer-Verlag, ISBN 3-540-32167-5) (Book Chapter) 2006 (**)

PUU, T. "Growth Cycles in a Modified Hicksian Business Cycle Model", in T. Puu and I. Sushko (Eds.) *Business Cycle Dynamics: Models and Tools*, 193-222, (Springer-Verlag, ISBN 3-540-32167-5) (Book Chapter) 2006, (**)

PUU, T. "Introduction to Mathematical Economics" in *Mathematical Models in Economics*, pp. 78-117, *UNESCO Encyclopaedia of Life Support Systems*, Eolss Publishers, Oxford. 2007, (Book Chapter)

PUU, T. "Smith-Ricardo Specialization in the Presence of Tiring Effects" (Springer-Verlag) 2008, (Book Chapter)

PUU, T. Tönu (2008). Unifying Cournot and Stackelberg duopoly in one dynamical system. In: *Nonlinear Dynamics in Economics and Finance*. Springer-Verlag, 2008 (Book Chapter)

PUU, T. Panchuk, Anastasiia; Puu, Tönu (2009). Cournot equilibrium stability in a non-autonomous system modeling the oligopoly market. In: *Iteration Theory*. Grazer Mathematische Berichte, 2009. (Book Chapter)

PUU, T. Puu, Tönu (2009). Smith-Ricardo Specialization in the Presence of Tiring Effects. In: *Innovation, Dynamic Regions and Regional Dynamics*. Springer-Verlag, 2009. (Book Chapter)

PUU, T. Tramontana, Fabio; Gardini, Laura; Puu, Tönu (2010). Mathematical properties of a combined Cournot-Stackelberg model. Urbino, Italy: University of Urbino Carlo Bo, Department of Economics, *WP-EMS Working Papers Series in Economics, Mathematics and Statistics*, ISSN 1974-4110; 2010/07, 26 pages (Report)

PUU, T. Tramontana, Fabio; Gardini, Laura; Puu, Tönu (2010). New properties of the Cournot duopoly with isoelastic demand and constant unit costs. Urbino, Italy: University of Urbino Carlo Bo, Department of Economics, *WP-EMS Working Papers Series in Economics, Mathematics and Statistics*, ISSN 1974-4110; 2010/06, 19 pages.

SONIS, MICHAEL (2009). "Introduction", in Michael Sonis and Geoffrey J. D. Hewings (Eds) (2009). *Tool Kits in Regional Science: Theory, Models, and Estimation*. Berlin & Heidelberg, DE: Springer-Verlag, pp. 1-4.

SONIS, MICHAEL (2009). "Complex Socio-Economic Systems in Regional Science: Reconsideration of Theories of Linear Spatial Analysis", in Michael Sonis and Geoffrey J. D. Hewings (Eds) (2009). *Tool Kits in Regional Science: Theory, Models, and Estimation*. Berlin & Heidelberg, DE: Springer-Verlag, pp. 5-68.

SONIS, MICHAEL, and Geoffrey J. D. Hewings (2009). "New Developments in Input-Output Analysis: Fields of Influence of Changes, the Temporal Leontief Inverse and the Reconsideration of Classical Key Sector Analysis", in Michael Sonis and Geoffrey J. D. Hewings (Eds) (2009). *Tool Kits in Regional Science: Theory, Models, and Estimation*. Berlin & Heidelberg, DE: Springer-Verlag, pp. 69-117.

SONIS, MICHAEL, and Dimitrios S. Dendrinos (2009). "Socio-Spatial Dynamics and Discrete Non-Linear Probabilistic Chains", in Michael Sonis and Geoffrey J. D. Hewings (Eds) (2009). *Tool Kits in Regional Science: Theory, Models, and Estimation*. Berlin & Heidelberg, DE: Springer-Verlag, pp. 177-197.

SONIS, MICHAEL (2009). "Innovation Diffusion Theory: 100 Years of Development", in Michael Sonis and Geoffrey J. D. Hewings (Eds) (2009). *Tool Kits in Regional Science: Theory, Models, and Estimation*. Berlin & Heidelberg, DE: Springer-Verlag, pp. 243-271.

SONIS, MICHAEL (2009). "Conclusion: Theories and Models Inspired by Empirical Regularities of Socio-Economic Spatial Analysis", in Michael Sonis and Geoffrey J. D. Hewings (Eds) (2009). *Tool Kits in Regional Science: Theory, Models, and Estimation*. Berlin & Heidelberg, DE: Springer-Verlag, pp. 293-302.

SUSHKO, I, PUU, T. & GARDINI, L. "A Goodwin-Type Model with Cubic Investment Function", in T. Puu and I. Sushko (Eds.) *Business Cycle Dynamics: Models and Tools*, 299-317, (Springer-Verlag, ISBN 3-540-32167-5) 2006. (Book Chapter)

VILCHEZ BLÁZQUEZ, L.M. CORCHO, O.; RODRÍGUEZ PASCUAL, A. F.; BERNABÉ POVEDA, M.A. "We Semántica e Información Geográfica: Una interrelación necesaria ante las problemáticas actuales" http://en.scientificcommons.org/miguel_angel_bernabe_poveda Volumen 125. ISSN: 1.131-9.100 (2008).

WYTTEBACH, A. F.; DIAZ, E.; BERNABÉ, M. A.: "An Intellectual Property Rights approach in the development of distributed Digital Map Libraries for historical research". In: Jobst, M. (Ed.) "Preservation in Digital Cartography", Lecture Notes in Geoinformation & Cartography. Editor: Springer Berlin / Heidelberg. 2010. (Book Chapter)

WYTTEBACH, A.F.; MOYA, J.; ÁLVAREZ, M; BERNABÉ POVEDA, M. A "First Approaches to the Usability of Digital Map Libraries". *e-Perimtron: International web journal on sciences and technologies affined to history of cartography and maps*. Vol. 3, No. 2. 2008. Pp. 63-76. ISSN 1790-3769. (2008). (**)

WYTTEBACH, A. F., SIABATO, W., BERNABÉ, M. A., WACHOWICZ, M.: "Evolution of Digital Map Libraries towards Virtual Map Rooms: new challenges for the historical research". Book: "Mapping Different Geographies" - Lecture Notes in Geoinformation & Cartography. Editor: Springer Berlin / Heidelberg. 2010 (Book Chapter) (in press) (**)

YUAN, M (Encyclopedia entries) Discrete vs. Continuous Phenomena. *Encyclopedia of Geographic Information Science*. K. Kemp (ed.) Sage Publications. P. 111-114. 2007 (**)

YUAN, M. (Encyclopedia entries) Accepted. Challenges and critical issues for temporal GIS research and technologies. *Encyclopedia of Geoinformatics*. H. Karimi (ed.) Information Science Reference, Hershey, PA. USA. 2008. (**)

YUAN, M. (Encyclopedia entries) Accepted. Temporal GIS and Applications. *Encyclopedia of Geographic Information Science*. S. Shekhar and H. Xiong (ed.). Springer-Verlag, Berlin. (**)

YUAN, M. (Encyclopedia entries) Accepted. Visualization and Modeling of Geographic Dynamics. *Encyclopedia of Geographic Information Science*. S. Shekhar and H. Xiong (ed.). Springer-Verlag, Berlin. (**)

YUAN, M. (Encyclopedia entries)Representation. *Encyclopedia of Geographic Information Science*. K. Kemp (ed.) Sage Publications. P. 368-372. 2007. (**)

Yuan, M. and K. Stewart. 2008. Computation and Visualization for the Understanding of Dynamics in Geographic Domains: A Research Agenda. CRC/Taylor and Francis.

Yuan, M. 2010. Mapping Text. In *Spatial Humanities*. Edited by David Bodenhamer, John Corrigan, and Trevor Harris. Indiana University Press. Pp. 109-123.

Yuan, M. 2009. Knowledge discovery of geographic dynamics in spatiotemporal data. In *Geographic Data Mining and Knowledge Discovery (2ed)* edited by H. Miller and J. Han. CRC/Taylor and Francis

Yuan, M. 2007. Adding Time. *Handbook of Geographic Information Science*, J. Wilson and S. Fotheringham, editors, published by Blackwell Publishing. P. 169-184.

SENSE:

D. van Soest, A. de Zeeuw and J. Bouma (2010), Voluntary cooperation and public goods provision: coalition formation and the role of external labor markets, working paper

K. Sigmund and C. Hilbe (2010), Darwin and the Evolution of Human Cooperation, in 'Science of Evolution' (eds. S. Thurner and H. Meyer-Ortmanns), Springer

SOCCOP:

Comabella M., D.W. Craig, M. Camiña, C. Morcillo, C. Lopez, A. Navarro, X. Montalban and R. Martin. 2008. Identification of a Novel Risk Locus for Multiple Sclerosis at 13q31.3 by a Pooled Genome-wide Scan of 500,000 Single Nucleotide Polymorphisms. *PLOS One* 3(10):e3490.

Comabella, M., D.W. Craig, C. Morcillo-Suarez, J. Rio, A. Navarro, M. Fernandez, R. Martin, X. Montalban, 2009. Genome-wide Scan of 500,000 Single Nucleotide Polymorphisms in responders and non-responders to interferon-beta in Multiple Sclerosis. *Archives of Neurology* (In Press)

Ferrer-Admetlla, A., E. Bosch, M. Sikora, T. Marquès-Bonet, A. Ramírez-Soriano, A. Navarro, R. Lazarus, F. Calafell, J. Bertranpetit and F. Casals. 2008. Balancing selection is the main force shaping the evolution of innate immunity genes. *Journal of Innmunity*. 181:1315-22.

Gazave, E., O. Fernando and A. Navarro. 2008. The Evolution of Introns in Human Genes. *Encyclopedia of Life Sciences*. (Ed. John Wiley & Sons, Ltd. UK.) Published Online April the 30th.

Marques-Bonet T, Kidd JM, Ventura M, Graves TA, Cheng Z, Hillier LW, Jiang Z, Baker C, Malfavon-Borja R, Fulton LA, Alkan C, Aksay G, Girirajan S, Siswara P, Chen L, Cardone MF, Navarro A, Mardis ER, Wilson RK, Eichler EE. 2009. A Burst of Segmental Duplications in the African Great Ape Ancestor. *Nature* 457:877-81. (Published on February the 12th 2009, in the special issue commemorating Darwin's birthday).

Marsillach, J., G. Aragonès R. Beltrán, J. Caballeria, J.C. Pedro-Botet, C. Morcillo-Suárez, A. Navarro, J. Joven, and J. Camps. 2008. The measurement of the lactonase activity of paraoxonase-1 in the clinical evaluation of patients with chronic liver impairment. *Clinical Biochemistry* 42(1-2):91-8.

Marquès-Bonet, T., Z. Cheng, X. She, E. E. Eichler and A. Navarro. 2008. On the genomic distribution of intraspecific and interspecific divergence of human SDs. *BMC Genomics* 9:384.

Morcillo-Suarez, C., J. Alegre, R. Sangros, E. Gazave, R. de Cid, R. Milne, J. Amigo, A. Ferrer-Admetlla, A. Moreno-Estrada, M. Gardner, F. Casals, A. Pérez-Lezaun, D. Comas, E. Bosch, F. Calafell, J. Bertranpetit and A. Navarro. 2008. SNP Analysis To Results (SNPator): a web-based environment oriented to statistical genomics analyses upon SNP data. *Bioinformatics* 24(14):1643-4.

Palacios, R., E. Gazave, J. Goñi, G. Piedrafita, O. Fernando, A. Navarro and P. Villoslada. 2009. Allele-specific expression is widespread across biological processes and depends of the regulatory effect of segmental duplications. *PLOS One* 4(1):e4150

Ramirez-Soriano, A., S. Ramos-Onsins, J. Rozas, F. Calafell, A. Navarro. 2008. Statistical power analysis of neutrality tests under demographic expansions, contractions and bottlenecks with recombination. *Genetics* 179: 555-567.

The BioMoby Consortium (including A. Navarro). 2008. Interoperability with Moby 1.0. It's better than sharing your toothbrush! *Briefings in Bioinformatics*. 9(3):220-31.

- Books

As editor(s):

DynCoopNet:

Some of the books are collections containing chapters by DynCoopNet members Polonia, Owens, Barros, Picazo Muntaner, Crespo Solana, Alonso Garcia. They are highlighted with a ***

ALONSO, David, & CRESPO, Ana, eds. Merchant Networks in the First Global Age: Cooperation and Representation. (Forthcoming). (***)

CASADO ALONSO, Hilario, ed. Comercio y hombres de negocios en Castilla y Europa en tiempos de Isabel la Católica. Madrid, Sociedad Estatal de Conmemoraciones Culturales, 2007. 423 págs. ISBN 978-84-96411-30-3.

CRESPO SOLANA, Ana, ed. *Comunidades transnacionales: Las colonias de mercaderes en el mundo atlántico (1500-1830)*, Madrid, 2010. (***)

MUKHERJEE, Rila, Co edited with MN Rajesh, Locality History Memory: The Making of the Citizen in Southasia, CSP, Newcastle, UK. 2009.

MUKHERJEE, Rila , ed. Networks in the First Global Age 1400-1800, New Delhi, Primus Books, 2011 (***)

MUKHERJEE, Rila, ed. *Dynamics in the Bay of Bengal* (working title), ICHR Monograph Series, New Delhi, India, forthcoming (*).

POLÓNIA, Amélia, OSSWALD, Helena, eds., European Seaports in the Early Modern Age. A comparative approach. International workshop. *Proceedings*, Porto, IHM-UP, 2007.

PUU, Tonu, T. & I. Sushko (Eds.), *Business Cycle Dynamics: Models and Tools* (Springer-Verlag, ISBN 3-540-32167-5) 2006 (*)

SONIS, MICHAEL, and Geoffrey J. D. Hewings (Eds) (2009). *Tool Kits in Regional Science: Theory, Models, and Estimation*. Berlin & Heidelberg, DE: Springer-Verlag. ISSN: 1430-9602; ISBN: 978-3-642-00626-5; e-ISBN: 978-3-642-00627-2; DOI: 10.1007/978-3-642-00627-2

YUAN, May, Stewart K. and M. Yuan (eds.). *Understanding Dynamics in Geographic Domains*. CRC/Taylor and Francis. 2008 (*)

SENSE:

S.A. Levin (ed.) (2009), *Games, Groups and the Global Good*, Springer

SOCCOP:

Bickerton, D. & Szathmáry E. (eds) (2009) *Biological Foundations and Origin of Syntax*. MIT Press, Cambridge, Ma. p. 471.

Castelfranchi, C. & Falcone "Trust Theory: Structures, Processes, Dynamics" Wiley & Sons, in preparation.

Di Tosto, G, Parunak, H. Van Dyke (Ed.) *Multi-Agent-Based Simulation X*, Lecture Notes in Artificial Intelligence – Springer, 568, 2010.

Ernst Fehr, *Handbook of Neuroeconomics*, Elsevier, North Holland, 2008 (jointly edited with P. Glimcher, C. Camerer and R. Poldrack)

Számádó, S. & Szathmáry, E. (2008) Being human: Language: a social history of words. *Nature* **456**, 40-41. Számádó, S. & Szathmáry, E. (2008) Being human: Language: a social history of words. *Nature* **456**, 40-41.

Tummolini, L. (Ed.) Special Issue of "Topoi: An international review of philosophy" on the topic of convention with contributions by : Ken Binmore, Margaret Gilbert, Ruth Millikan, Gerald Postema, Olivier Faverau, Bruno Verbeek, Don Ross, Giacomo Sillari, Mark Bickhard, Rick Alterman, Andrei Marmor.

As author(s)

COCOR:

Baglione, V., Canestrari, D., Marcos, J.M. 2010. Cuestiones de familia en la corneja negra. In Carranza, J., Moreno, J. Soler, M. (Eds). *Estudios sobre Comportamiento Animal. XXV años de la Sociedad Española de Etología*. SEE. ISBN: 978-84-7723-920-8

Bolopo, D., Canestrari, D., Baglione, V. 2009. Corneja negra – *Corvus corone*. En: *Enciclopedia Virtual de los Vertebrados Españoles*. Salvador, A., Bautista, L. M. (Eds.). Museo Nacional de Ciencias Naturales, Madrid. <http://www.vertebradosibericos.org/>

Bugnyar, T. Deception and intelligence in animals. *Encyclopedia of the Sciences of Learning*. Invited

article, submitted

- Miglino O., Ponticorvo M. (2009). Navigation in evolving robots: Insights from vertebrates. The case of geometric and non-geometric information. In: Emergent Perspectives in Artificial Intelligence Intelligence, Lecture Notes in Computer Science, Springer Berlin / Heidelberg, 222-231, vol. 5883, http://dx.doi.org/10.1007/978-3-642-10291-2_23
- Miglino O., Ponticorvo M. (2009). Conoscere la geometria senza rappresentazioni. Indicazioni da uno studio su organismi artificiali. In: Miglino O., Ponticorvo M., Rega A., Rubinacci F.. Modelli, sistemi e applicazioni di Vita Artificiale e Computazione Evolutiva. p. 118-123, Fridericiana Editrice Universitaria, ISBN/ISSN: 978 88 8338 0914
- Miglino O., Ponticorvo M., Donetto, D., Nolfi, S., Zucca, P. (2008). Cooperation in corvids: a simulative study with evolved robot. In (Eds. R.Serra, M.Villani, I.Poli), Artificial Life and Evolutionary Computation: Proceedings of Wivace 2008, 179-188, ISBN 981428744X
- Noë, R. (2010) Cooperation. In: *Encyclopedia of Behavioral Neuroscience* Vol. 1. G. Koob, M. Le Moal and R.Thompson (eds). Academic Press, Oxford, UK, pp. 345-353
- Ponticorvo, M., Parisi, D., Miglino, O. (2009). The autopoietic nature of the "inner world". A study with evolved "blind" robots. In Pezzulo, G., Butz, M. V., Sigaud, O., & Baldassarre, G. (Eds.). Anticipatory Behavior in Adaptive Learning Systems, From Sensorimotor to Higher-level Cognitive Capabilities. Springer.
- Ponticorvo M., O.Miglino (in press). Exploring the Roots of (Spatial) Cognition in Artificial and Natural Organisms. The Evolutionary Robotics Approach. In (Eds. P.A. Vargas, E. Di Paolo, I.Harvey, P. Husbands) New Horizon in Evolutionary Robotics, MIT Press.
- Ponticorvo M., Miglino O., Gigliotta O. (2009). For Corvids together is better. A model of cooperation in Evolutionary Robotics, Proceedings of the 10th European Conference on Artificial Life (ECAL 2009), vol. LNCS/LNAI 5777, 5778.
- Ponticorvo M., Parisi D., Miglino O. (2009). The autopoietic nature of the "inner world". In: Pezzullo G., Butz M.V., Sigaud O., Baldassarre G.. Anticipatory behavior in adaptive learning systems. p. 115-131, Springer, ISBN/ISSN: 978 3 642 02564 8
- Ponticorvo M., Miglino O. (2009). Un modello di Robotica Evolutiva e Collettiva ispirato ai corvidi. In: XV International Conference of *Italian Association of Psychology*. - Chieti, September 24-26, p. 4-5
- Ponticorvo, M., Parisi, D., Miglino, O. (2008). The role of internal stimuli in building up an "inner world". In G.Pezzulo, M.V. Butz, O. Sigaurd, G. Baldassare (by) Proceedings of the Fourth Workshop on Anticipatory Behavior in Adaptive Learning Systems.
- Ponticorvo, M., Donetto, D., Miglino, O., Nolfi, S., Zucca, P. (2008). La cooperazione nei corvidi: un modello di robotica evolutiva. In Atti del Convegno AIP, sezione di Psicologia Sperimentale, Padova, 18-20 settembr
- Schloegl, C., Schmidt, J., Scheid, C., Kotrschal, K. & Bugnyar, T. 2008. Gaze following in non-human animals: the corvid example. Nova publisher, in press.
- Serra-Garcia, M., 2008. "Communication in Economic Interactions: Why Be Honest? » (To be published in a book with contributions resulting from the EUROCORES/TECT Meeting «Cooperation Through the Ages: The Social and Psychological Dynamics of Cooperation and Punishment", April 2008, Sitges, Spain.

DynCoopNet:

ALONSO GARCÍA, David, *Breve historia de los Austrias*, Madrid, 2009

ALONSO GARCÍA, David *El erario del reino. Fiscalidad en Castilla a principios de la Edad Moderna (1504-1525)*, Valladolid, 2007.

CRESPO SOLANA, Ana, Mercaderes Atlánticos: Redes del comercio flamenco y holandés entre Europa y el Caribe, Universidad de Córdoba, Cajasur, 2009,

MUKHERJEE, Rila, *The Neglected Sea: The eastern Indian Ocean in History* (forthcoming).

NALLE, Sara, *Loco por Dios: Bartolomé Sánchez, el mesías secreto de Cardenete*. Cuenca: La Torre Literaria, 2009.

OWENS, J. B. (Forthcoming). "From Hostility to Affinity: Cooperation and the Construction of Oligarchy in Golden Age Spain" (working title).

OWENS, J. B. (Forthcoming). "Cooperation in the World of the Merchant-Smuggler" (working title).

PICAZO MUNTANER, Antoni. Comercio y Colaboración en la Primera Edad Global, 1400-1800, vol I: Compañías mercantilistas en el Indopacífico, Cooperjald Ld, London: 2010. E-Book.

PICAZO MUNTANER, Antoni. Comercio y Colaboración en el Primera Edad Globla, 1400-1800, vol II: redes y colaboración en Manila. El modelo hispánico, Cooperjald Ld, London: 2010. E-book.

POLÓNIA, Amélia *Expansão e Descobrimentos numa perspectiva local. O porto de Vila do Conde no século XVI* Lisboa, IN-CM, 2007 (2 Vols.).

PUU, Tonu, *Arts, Sciences and Economics: A Historical Safari*, (Springer-Verlag, ISBN 3-540-34423-3) 2006

SENSE:

K. Sigmund (2010), *The Calculus of Selfishness*, Princeton University Press

SOCCOP:

Andrighetto, G., Tummolini, L., Castelfranchi, C. & Conte, R. (in press). A convention or (tacit) agreement betwixt us. In "Between Logic and Intuition: David Lewis and the Future of Formal Methods in Philosophy", edited by Johan van Benthem, Vincent F. Hendricks, John Symons and Stig Andur Pedersen. Dordrecht: Springer

Castelfranchi, C. & Falcone, R. (2010) *Trust Theory A Socio-Cognitive and Computational Model*. Wiley & Sons.

Fedor, A., Ittzés, P. & Szathmáry, E. (in press) The biological background of syntax evolution. In : D. Bickerton and E. Szathmáry (eds) *Biological Foundations and Origin of Syntax*. MIT Press, Cambridge

Gazave, E., O. Fernando and A. Navarro. 2008. The Evolution of Introns in Human Genes. In: *Handbook of Human Molecular Evolution*. Eds. David N. Cooper and Hildegard Kehrer-Sawatzki. ISBN: 978-0-470-51746-8. John Wiley & Sons, Ltd. (United Kingdom)

Herbert Gintis , **The Bounds of Reason: Towards the Unification of the Behavioral Sciences* (Princeton, 2009)

Herbert Gintis , **Game Theory Evolving, Second Edition* (Princeton, 2009)

Herbert Gintis and Samuel Bowles, *A Cooperative Species: Human Reciprocity and Its Evolution* (Princeton, 2011).

Navarro, A. 2007. Conflict and Cooperation in Human Affairs. In: *Social Brain Matters*. Eds: Oscar Vilarroya and Francesc Forn. VIBS Book Series. Rodolpi (Rome).

Schino G., Aureli F. (in press) *Reciprocal altruism in primates: partner choice, cognition and emotions. *Advances in the Study of Behavior*.

Schino G., Aureli F. (in press) *Reciprocal altruism in primates: partner choice, cognition and emotions. *Advances in the Study of Behavior*.

Schino G., Aureli F. (in press) Reciprocal altruism in primates: partner choice, cognition and emotions. *Advances in the Study of Behavior*.

Szathmáry, E. (2008) The genetic code and natural language: their nature, origins and relation. In: P. Walde, F. Kraus (eds): *An den Grenzen des Wissens*. Vdf Hochschulverlag AG an der ETH Zürich. Pp. 185-207.

Szathmáry, E. (2008) Towards an understanding of language origins. In. M. Barbieri (ed.) *Codes of Life*, Springer-Verlag, pp. 283-313.

Tummolini, L. Mirolli, M. & Castelfranchi, C. (in press). *Stigmergic cues and their uses in coordination: an evolutionary approach. In “Multiagent Systems: Simulation and Application”, edited by Adelinde Uhrmacher and Danny Weyns, Taylor and Francis, 251-273.

Tummolini, L. Mirolli, M. & Castelfranchi, C. (in press). Stigmergic cues and their uses in coordination: an evolutionary approach. In “Multiagent Systems: Simulation and Application”, edited by Adelinde Uhrmacher and Danny Weyns, Taylor and Francis, 251-273.

- Other (*please define*; e.g., data products, videos)

BIOCONTRACT:

European Science Foundation Brochure (2008), 58 pp. *The Evolution of Cooperation and Trading: Cooperation in Mutualisms: contracts, markets, space and dispersal* (Biocontract) pp. 10-17

DynCoopNet:

DATA COLLECTIONS, INTERFAZ AND DIGITAL REPOSITORIES:

A) ALONSO GARCÍA/CRESPO SOLANA/PICAZO MUNTANER. Integrated Data base and Conceptual Model oriented to GIS (“Gis DynCoopNet) Implemented in the “Unidad SIG Centro de Ciencias Humanas y Sociales Del CSIC, Spain: Database with Financial, Commercial and Maritime Data set of the European Expansion in the First Global Age and the role played by the Hispanic Monarchy of the XVI to XVIII centuries. Funding with an “Acción Complementaria” of the Spanish Ministry of Science and

Innovation and CSIC (MICINN – CSIC). Local Interface web:
<https://161.111.47.117/dyncoopnet3/login.jsp> (**)

B) ALONSO GARCÍA, David, Integrated Database “Hispanic Monarchy Financial System” (in collaboration with Eulalia Ruiz Palomeque. University Complutense Madrid. DATABASE

C) CARVALHO, Joaquim – *Timelink* – software development as a tool for Portuguese team research project

D) CRESPO SOLANA, Ana, Crespo DynCoopNet DATA Collections. Available DATABASE in the Digital Repository CSIC: <http://digital.csic.es/handle/10261/28394>

Database oriented to a Temporal GIS in the CSIC) Funding with an “Acción Complementaria” of the Spanish Ministry of Science and Innovation and CSIC (MICINN – CSIC). (With the two Graduate Assistant: Juan Manuel Sánchez-Crespo and Roberto Maestre). (**)

E) MUKHERJEE, Rila, digital resource and database on the Indian Ocean in preparation at University of Hyderabad, Hyderabad, India from February 2009.

F) OWENS, J.B. Digital data sets produced by the Geographically-Integrated History Laboratory, directed by J. B. Owens, to be published on various web venues: (**)

1. Historical Gazetteer of Northeastern Brazil (with graduate research assistant Anderson Sandes)
2. Historical Gazetteer of Sixteenth-Century Iberian Commercial and Religious Pilgrimage Routes (with graduate research assistant Robert Hibberd)
3. Wine Trade from Northern Portugal, 1700-1750 (with graduate research assistants Anderson Sandes and Derrick Sharp)
4. Members of the Municipal Council of Murcia, 1500-1650 (with undergraduate research assistant Jeremiah Stoddard)
5. Gazetteer of Place Names in the Idaho Censuses of 1880 and 1900 (with undergraduate research assistant Dean Blarer; work done to allow computer scientist Vitit Kantabutra to use Idaho census data for the development of a new database scheme for geographic information systems that will facilitate the development of a temporal GIS)
6. German trade with Cádiz and Bordeaux, 18th century (with undergraduate research assistant Dean Blarer; based on the work of Klaus Weber) DATABASE

G) PICAZO MUNTANER, Antoni, Integrated Historical Data Base "Asian-Pacific Trade System".
Universidad de las Islas Baleares, Spain.

H) PINTO, Sara; RIBEIRO, Ana - Data base constitution on Simón Ruiz archive – bills of exchange and commercial letters, as PhD fellowships of the Portuguese team of DynCoopNet (Supervision by Amélia Polónia, PI of the Portuguese team)

THESES AND POST- DOC PROJECT:

1. BARROS, Amândio – Ongoing pos-doc project on trade network over the Atlantic (**) (Pos-Doc research project. Supervision by Amélia Polónia, PI of the Portuguese Team)

2. BERNABÉ POVEDA, Miguel Ángel: is the director of:

* Teresa Iturrioz-Aguirre. Ass. Prof. in Cartography (UPM). PhD Student (UPM). *Title: "Collaborative and affective cartography"*

* Adolfo Urrutia-Zambrana. MSc. in Computer Science. PhD Student (UPM). *Title: "Application of genetics algorithms in trajectory mining"*

* Daniel Orellana. MSc. in Biology. PhD Student (UPM). *Title: "Interactions in the human movement: through a new representation metafora"*

* Willington Siabato. MSc. in Geodesy & Cartography. PhD Student (UPM). *Title: "Metamodel for historic retrieval and representation of geographical information dynamic"*

* Marta Guerrero-Nieto. MSc. in Linguistics. PhD Student (UPM). *Title: "Creation of linguistic resources for the inclusion of time variable in geographical information systems"*

* Alberto Fernández-Wytenbach. MSc. in Geodesy & Cartography. PhD Student (UPM). *Title: "Integrating of cartographic collections through virtual map rooms"*

2. CRESPO SOLANA, Ana, is the director of an On-going PhD: Juan Manuel Sánchez-Crespo about "Data integration on Atlantic Hispanic Trade, between the North Sea and The Antilles in the Eighteenth Century"; and Post doc Work: Montserrat Cachero Vinuesa: Emparejando socios: Modelización de las Relaciones Comerciales en la Primera Era Global Sevilla y América, 1500-1600.

3. HIBBERD, ROBERT E. (2010). "Mapping sixteenth-century Spanish transportation routes: a GIS approach". Unpublished M.A. Thesis, Idaho State University (defended August 2010). Director: J. B. Owens

3. SANDES, ANDERSON C. (2010). "British travel accounts and maps: Henry Koster and the making of space in nineteenth-century Brazil". Unpublished M.A. Thesis, Idaho State University (defended July 2010). Director: J. B. Owens

4. OWENS, J. B. 2009. Served as the second reader for DynCoopNet CP Jessica Roitman, who defended her completed Ph.D. dissertation, "Us and Them: Inter-cultural Trade and the Sephardim, 1595-1640", at the University of Leiden, The Netherlands, on 25 June 2009. Owens traveled to Leiden to participate in the defense tribunal.

5. PINTO, Sara - On going PhD thesis: "Spatio-temporal dynamics of a merchant network in the 16th century" (Supervision by Amélia Polónia, PI of the Portuguese team and co-supervision by Monica Wachowicz)

1. POLÓNIA, Amélia; BARROS, Amândio – Scientific program to a new project: The “Porto Museum of Discoveries and Cultural Exchanges”, oriented by the concept of Cooperation; the functionality of trade networks in the First Global Age and the dynamics of global exchanges (economic, anthropological, ...)
2. RIBEIRO, Ana Sofia, Ph D. Thesis on trade networks. Data base constitution on Simón Ruiz archive – bills of exchange and commercial letters, as PhD fellowships of the Portuguese team of DynCoopNet. Supervision by Amélia Polónia, PI of the Portuguese team.

Presentations in Scientific Meetings

- Oral presentations (indicate invited / keynote talks)

BIOCONTRACT:

- Francisco Dionisio "Bacteria-plasmids conflicts and mutualisms", TECT workshop "Towards a unifying theory of cooperation and mutualisms", 8-11 January 2008 Oeiras, Portugal
- Francisco Dionisio "Is secretion of public goods the reason for the maintenance of mutualism between bacterial cells and conjugative plasmids?". TECT meeting, 15-18 September 2010 Budapest, Hungary
- Istvan Scheuring. Spatial models of mutualism (keynote talk) TECT Workshop "Towards a Unifying Theory of Cooperation and Mutualism" 8-11 January 2008, Oeiras, Portugal
- Leroy C., Malé P.J., Quilichini A., Ruiz-Gonzalez M.X., Dejean A. & Orivel J. 2009. Ecology and maintenance of a novel tripartite mutualistic association. Joint Meeting of Association for Tropical Biology and Conservation & Society for Tropical Ecology, Marburg, Germany
- Luis M Carvalho Biogeographical variation of mycorrhizal effectiveness in an invasive Acacia species" The Symposium "Mutualism & The Evolution of Cooperation and Trading" organized at Harvard University, Cambridge, MA, on May 7-9, 2009
- Malé P-J G, Leroy C, Dejean A, Quilichini A, Orivel J (2010) Evolutionary conflicts and sanctions between a neotropical ant and its host plant. IUSSI 2010, Copenhagen, Denmark
- Malé P-JG, Leroy C, Dejean A, Quilichini A, Orivel J (2010) Evolutionary conflicts and sanctions between a neotropical ant and its host plant. Evolution 2010, Portland (OR), USA
- Yu, D.W. (2010) Let the Right One In: screening games in symbioses. Evolution 2010, Portland (OR), USA
- Orivel J., Lambs L., Grangier J., Leroy C., Otto T., Malé P.J. & Dejean A. Dynamics of the association between a long-lived understory myrmecophyte and its specific associated ants. 4th European Meeting of IUSSI, La Roche en Ardenne, Belgium.
- Pierce, N.E. (2009) Plenary speaker, Darwin Anniversary Symposium, Smithsonian Natural History Museum. Nabokov meets Darwin: origin and evolution of blue butterflies. Pierce, N.E. (2009) Keynote address. Royal Entomological Society, meeting on Insect Immunity, Sheffield. Bacterial gut bacteria are tightly linked with the evolution of herbivory in ants.
- Pierce, N.E. (2009) Plenary speaker, National University of Singapore Darwin Festival, Nabokov meets Darwin: origin and evolution of blue butterflies.
- Pierce, N.E. (2009) Plenary speaker, UCSD Biological Sciences 4th Biennial Dean's Symposium "Evolutionary Biology: From Molecules to Man" (April, 2009) "Nabokov meets Darwin: origin and evolution of blue butterflies"
- Pierce, N.E. (2009) Bacterial gut bacteria are tightly linked with the evolution of herbivory in ants. Mutualism conference, Harvard University

Pierce, N.E. (2009) Symposium paper, Entomological Society of America Annual Meeting, Reno, Nevada. The herbivore's dilemma : never enough nitrogen

Ruiz-Gonzalez M.X., Leroy C., Gryta H., Jargeat P., Dejean A. & Orivel J. 2009. Three eukaryotic kingdoms of life interacting in a novel and highly specialised mutualism. 12th Congress of the European Society for Evolutionary Biology, Turin, Italy

Yu, D.W. (2010) Let the Right One In: screening games in symbioses. Institut d'histoire et de philosophie des sciences et des techniques, Paris

COCOR:

Baglione, V., Canestrari, D., Vera, R., Chiarati, E., Marcos, J.M. ¿Subordinados negligentes o ayudantes en el banquillo? Un experimento sobre cooperación al nido en la corneja negra. Oral communication. Congreso de Ornitología SEO-BirdLife. December 2008.

Baglione, V. Canestrari D., Chiarati, E.; Vera, R Marcos J. M. 2010. Concealed function of lazy helpers in cooperatively breeding carrion crows. ISBE 2010. Perth. Oral.

Baglione, V. Ecology and Evolution of Cooperative Breeding in the Carrion Crow. Feathered apes meet furry crows. INCORE Meeting Strasbourg 2009. Invited.

Baglione, V., Canestrari, D. 2008. Update on research results of COCOR group. TECT General Meeting. Barcelona (oral)

Baglione, V., Canestrari, D., Vera, R., Chiarati, E., Marcos, J.M. 2008 ¿Subordinados negligentes o ayudantes en el banquillo? Un experimento sobre cooperación al nido en la corneja negra. XIX Congreso de Ornitología SEO-BirdLife. Santander. Oral.

Baglione, V. 2009. Family living in carrion crows: 1) the evolution of cooperation and the maintenance of laziness 2) the costs and benefits of cooperation. John Moores University Liverpool.

Baglione, V. 2009. The evolution of cooperation. Universidad IE de Segovia.

Baglione, V. 2009. Familia, hogar, patrimonio e infidelidad: el sistema social de la corneja negra. Universidad de Coruña.

Baglione, V. 2008. Ecology and evolution of social behaviour: cooperative breeding in the carrion crow. University of Vienna.

Boeckle, M. & Bugnyar, T. Communication and cooperation in ravens. Talk, TECT -Summerschool, Strasbourg, F, 30.8.-6.9.2008.

Boeckle, M. & Bugnyar, T. Who are you? Individual recognition in common ravens using a habituation/dishabituation design. International Ethological Conference, Rennes, F, 19.-24.8.2009.

Boeckle, M. & Bugnyar, T. Acoustic communication in ravens. ESF - CompCog - LabVisit MPI f. Evolutionary Anthropology, Leipzig, D, 15-18.12.2009.

Bolopo, D., Canestrari D., Marcos J.M., Baglione V. 2010. Acquisition of carrion crows as primary host by the great spotted cuckoo in northern Spain. Congreso Iberoamericano de Etología. Ciudad Real. Oral.

Braun, A. & Bugnyar, T. Social complexity vs. open groups in ravens? Symposium talk, IOC, Campos do Jordao, Brasil, 22.-28.8.2010.

Braun, A., Dufour, V. & Bugnyar, T. Ravens' performance in an exchange task. Talk, TECT-Summerschool, Strasbourg, F. 30.8.-6.9.2008.

Braun, A., Kotrschal, K. & Bugnyar, T: Object caching in ravens: a by-product or means for social play? Talk, ASAB Easter Meeting, Edinburgh, UK, 2.-4.4.2008.

Braun, A., Kotrschal, K. & Bugnyar, T. What is more attractive for ravens: to pilfer food or object caches? Talk, ECBB Meeting, Dijon, F, 18.-20.7.2008.

Bugnyar, T. State of the art of corvid research. **Invited keynote** talk, ESF/TECT-meeting Cocor-

Biocontract, Lissabon, P, 8.-11.1.2008.

Bugnyar, T. Fission-fusion dynamics and cognition: the corvid system. **Invited talk**, INCORE discussion meeting, Leipzig, D, 21.-23.3.2008.

Bugnyar, T. Testing convergent cognitive evolution: Do ravens show primate-like third-party interventions in conflicts? International Primatological Conference, Edinburgh, UK, 3.-8.8.2008.

Bugnyar, T. Cooperation in a Machiavellian bird: the raven case. Invited talk, TECT/INCORE Workshop ,Feathered Apes meet Furry Crows', Strasbourg, F, 26.-28.2.2009.

Bugnyar, T. Kluge Vögel, Invited keynote talk, BirdLife Jahrestagung, Illmitz, A, 23.4.2009.

Bugnyar, T. Raven social cognition. ESF COMPCOG Network Opening Conference, Budapest, H, 13.-16.5.2009

Bugnyar, T. Theory of Mind and deception in corvids, Invited talk, Wellcome Trust School on Social Cognition, Cambridge, UK, 9.-16.8.2009.

Bugnyar, T. How to become a Machiavellian Player? Social cognition in ravens from a developmental perspective, Invited keynote talk, XXXI IEC, Rennes, F, 19.-24.8.2009.

Bugnyar, T. ,Spatzenhirne? Soziale Kognition bei Raben', Invited keynote talk, DoG Nachwuchstagung, Max-Planck Institut f. Ornithologie, Seewiesen, D, 31.10.-1.11.2009.

Bugnyar, T. Raven politics : Can concepts derived from primates be applied to birds ? Invited keynote talk, Spring Meeting of Primate Society of Great Britain, Dundee, UK, 7.-8.4.2010.

Bugnyar, T. Complexity in raven vocal communication: of what kind and why ? Invited talk, Comparative Communication Research Workshop, Berlin, D, 22.-24.4.2010.

Bugnyar, T. Social cognition in ravens : (When) does smart behaviour-reading become mindreading ? Invited seminar, Lund University, Lund, S, 4.5. 2010.

Bugnyar, T. Raven social cognition : truly Machiavellian or context specific ? Invited talk, Conference of International Society of Comparative Psychology, Awaji, JP, 19.-21.5.2010.

Bugnyar, T. Social cognition in ravens : (When) does smart behaviour-reading become mindreading ? Invited seminar, Utrecht University, Utrecht, NL, 24.6. 2010.

Bugnyar, T. Social learning in corvids : from whom, when and why ? Invited talk, Royal Society Meeting on social learning, Kavli Centre, London, UK, 1.-2.7.2010.

Bugnyar, T. Social relations, cooperation and conflict management in ravens. Invited talk, TECT meeting, Budapest, H, 15.-17.9.2010.

Bugnyar, T. Raven Politics : Understanding and use of social relationships. Invited talk, KLF Symposium Frontiers in Behavioural Biology, Vienna, A, 24.-25.9.2010.

Bugnyar, T. Denke bei Tieren: Evolution von kognitiven Fähigkeiten. Invited talk, Symposium 'Science of the Mind', Collegium Generale, Bern, CH, 6.10.2010. Bugnyar, T. Attraction and direction of attention in ravens. Invited talk, ESF COMPCOG Workshop on shared attention, Milano, I, 17.-18.11.2010.

Canestrari, D. Cuidado cooperativo de los pollos en la Corneja negra. Invited plenary talk. Congreso de Ornitología SEO-BirdLife. December 2008.

Canestrari, D., Marcos, J.M., Baglione, V. Cooperative breeding in carrion crows reduces brood parasitism by great spotted cuckoo. Oral communication Annual Meeting of the British Ecological Society. London, September 2008

Canestrari, D. CONSEQUENCES OF NATURALLY OCCURRING COOPERATION: is cooperation beneficial? Feathered apes meet furry crows. INCORE Meeting Strasbourg 2009. Invited.

Canestrari, D., Marcos, J.M., Baglione, V. 2010. Group composition affects maternal investment strategies in cooperatively breeding carrion crows. ISBE 2010. Perth. Oral.

Canestrari, D., Baglione, V. 2008. The Carrion crow: a model of cooperation between sentient and non-sentient organisms. COCOR-BIOCONTRACT Joint Meeting. Lisbon. Invited.

Canestrari, D. Cuidado cooperativo de los pollos en la corneja negra: compromiso individual entre reproducción actual y futura. 2008. XIX Congreso de Ornitología SEO-BirdLife. Santander. Invited.

Canestrari, D., Marcos, J.M., Baglione, V. Cooperative breeding in carrion crows reduces brood

parasitism by great spotted cuckoo. 2008. British Ecological Society London. Oral.

Chiarati, E.; Canestrari D., Vera, R; Baglione . 2010. Dominants explore and subordinates profit: response to novel food in cooperatively breeding Carrion Crows. Congreso Iberoamericano de Etología. Ciudad Real. Oral.

Chiarati, E., Canestrari, D, Vera, R., Baglione, V. 2009. Linear and stable dominance hierarchies in cooperative breeding groups of carrion crow (*Corvus corone corone*). IEC. Rennes. Poster.

Fraser, O.N. & Bugnyar, T. Social cognition in apes and corvids: mechanisms of conflict resolution, Invited talk, ESF Workshop on Social Learning and Cognition, Prague, CZ, 20.-21.4.2009.

Fraser, O.N. & Bugnyar, T. Coalitions in ravens. Workshop on 'Social cognition in animals: Is it as smart as it looks?', Groningen, NL, 25.-26.10.2009.

Fraser, O.N. & Bugnyar, T. What ravens do after a fight: the post-conflict behaviour of *Corvus corax*. International Ethological Conference, Rennes, F, 19.-24.08.2009.

Fraser, O.N. & Bugnyar, T. (2010) What to do after a fight: post-conflict reconciliation and consolation in ravens. TECT meeting, Budapest, H, 15-17. 9.2010.

Fraser, O.N. & Bugnyar, T. (2010) Why cooperate? Patterns of agonistic support in ravens. INCORE conference ,Cooperation: an interdisciplinary dialogue', Budapest,, 18.9.2010.

Kotrschal, K. & Bugnyar, T. ,Lessons from the cognitive ontogeny in ravens', Invited talk, Workshop ,Social cognition in animals', Groningen, NL, 25.-26.10.2009.

Miglino, O., Ponticorvo, M., Donetto, D., Nolfi, S., Zucca, P. (2008). Cooperation in corvids: a simulative study with evolved robot., presented at WIVACE, Venice 8-10 September*

Miglino Orazio & Ponticorvo, Michela TECT – General Meeting 20-23 November 2008 - Barcelona, Spain

Miglino Orazio & Ponticorvo, Michela Biocontract – Cocor meeting, 8-11 January 2008 - Lisboa, Portuga

Noë, R. TECT-congress. Final congress "The Evolution of Cooperation and Trading" (15-17 September) & INCORE-congress "Cooperation: an interdisciplinary dialogue" (17-18 September): Combined keynote address " *The power of partner choice*" to close the TECT-meeting and to open the INCORE-meeting. Budapest, Hungary. (17 September 2010)

Noë, R. Institute for Theoretical Biology - Humboldt Universität zu Berlin Conférence "The power of partner choice" (4 May 2010)

Noë, R. Workshop "The market and maketization: Models, mechanisms and explanation" .. Talk: The use of the market metaphor in biology" Helsinki (9-10 April)

Noë, R. Nanyang Technological University, Singapore Talk: " Biological Markets: a model with empirical support", (9 February, 2010)

Noë, R. TECT-conference "Evolution of Cooperation - Models and Theories" IIASA. (ESF-EUROCORES-programme) Laxenbourg, Austria , (15-18 September 2009)

Noë, R. Workshop "Politics of Animal Cooperation" Stanford University, Palo Alto, USA (18-19 May 2009) Talk : " Biological Markets: a model with empirical support"

Noë, R. INCORE workshop Biological markets and fission-fusion dynamics" Certosa di Calci, Italy (15-16 May 2009)

Noë, R. INCORE-seminar series on cooperation. Talk: "Biological markets: a model with empirical support" – Museo di Storia Naturale e del Territorio, University of Pisa, Italy (14 May 2009)

Noë, R. Symposium "Mutualism", Harvard University, Boston, USA (7-9 May 2009) Conférence : "Can the biological market concept serve as a general paradigm for cooperation and mutualism?"

Noë, R. TECT-General meeting (ESF-EUROCORES-programme), Barcelone, Espagne, "Coperation in rooks" (23 November 2008)

Noë, R. INCORE-workshop (EU-Framework 6 programme) "Genetic basis of coalition formation in male primates", Barcelone, Espagne, Introduction "Coalitions in male baboons" (20 November 2008)

Noë, R. ESF-EUROCORES – TECT Strategic workshop "Visualisation and Space-Time Representation of Dynamic, Non-linear, Spatial Data in DynCoopNet and Other TECT Projects", Madrid, Espagne, "A modern-day Tower of Babel: the semantics of cooperation" (26 September 2008)

Noë, R. GEBACO-meeting (EU-Framework 6 programme), Dublin Irlande, Rooks and vervets (14 April

2008)

- Noë, R. GEBACO-meeting (EU-Framework 6 programme), Dublin Irlande, Experimental approaches to measuring cooperation (14 April 2008)
- Noë, R. ESF-EUROCORES TECT joint meeting "Towards a unifying theory of cooperation and mutualism", Gulbekian Institute, Oeiras, Portugal "Cooperation in corvids" (9 January 2008)
- Noë, R. Programme Day of the NWO-programme "Evolution & Behaviour", Leiden, The Netherlands "INCORE, TECT and other European "cooperation" programmes" (18 December 2007)
- Noë, R. Kick-off meeting EU programme INCORE, Prague, Czech Republic. "INCORE and other European "cooperation" programmes" (16-19 September 2007)
- Noë, R. Kick-off meeting ESF-EUROCORES programme TECT, Budapest, Hungary. "Links between TECT and the Framework 6 programmes GEBACO and INCORE (4-7 July 2007)
- Ponticorvo, Michela INCORE: Meeting 27-28 February 2009 Strasbourg, France
- Pugliese, Francesco TECT: Final Conference 15-17 September 2010 Budapest, Hungary
- Schloegl, C., Kotrschal, K., Bugnyar, T.: Gaze following in corvids. Talk, EG Meeting, Regensburg, D, 20.-22.2.2008
- Schloegl, C., Kotrschal, K. & Bugnyar, T. Inference by exclusion in corvids. Talk, ISCP (International Society for Comparative Psychology), Buenos Aires, AR. 7.-9.10.2008.
- Schloegl, C., Dierks, A., Gajdon, G.K., Huber, L., Kotrschal, K. & Bugnyar, T. Inference by exclusion in ravens, jackdaws and keas. Ethological Society Meeting, Göttingen, D, 12.-14.2.2009.
- Schmidt, J., Scheid, C., Kotrschal, K., Bugnyar, T. & Schloegl, C. Impact of rooks' (*Corvus frugilegus*) investment and informative value of gaze cues in the object choice task. Graduiertentreffen der DZG und der Ethologischen Gesellschaft. Max Planck Institut f. Ornithologie Seewiesen, D, 11.-13.11.2009.
- Schwab, C., Bugnyar, T. & Kotrschal, K. Similarity of socio-positive relationships between adult pair partners and between juvenile nestmates in jackdaws. Talk, ECBB Meeting, Dijon, F, 18.-20.7.2008.
- Serra-Garcia, M., Econometric Society World Congress, August 2010, Shanghai Jiao Tong University.
- Serra-Garcia, M., SAEe Meeting 2009, December 2009, University of Valencia.
- Serra-Garcia, M., European Economic Association Meeting 2009, August 2009, Barcelona Graduate School of Economics.
- Serra-Garcia, M., International ESA Meeting, June 2009, George Mason University.
- Serra-Garcia, M., Alhambra Experimental Meeting, December 2008, University of Granada, Spain.
- Serra-Garcia, M., 3rd Nordic Conference on Behavioral and Experimental Economics, November 2008, Copenhagen University, Denmark.
- Serra-Garcia, M., Economics Seminar, August 2008, CIDE (Centro de Investigacion y Docencias Economicas), Mexico (invited).
- Serra-Garcia, M., International 2008 ESA Meeting, June 2008, California Institute of Technology, United States.
- Serra-Garcia, M., Graduate Students Society (GSS) Workshop, May 2008, Tilburg University, the Netherlands.
- van Damme, E. Eurocores Program TECT "The evolution of Cooperation and Trading, Barcelona, November 2008
- van Damme, E. "Communication in Games and Markets, Corvinus University Budapest, October 2008 (invited)
- van Damme, E., Third World Congress of the Game Theory Society, July 2008, Northwestern University, Evanston, Ill, USA
- van Damme, E. "Towards a Unifying Theory of Cooperation and Mutualism", ESF (COCOR & BIOCONTRACT) Workshop, January 2008, Instituto Gulbenkian de Ciencia, Portugal.
- van Damme, E. Conference "Reconciling Normative and Behavioural Economics", University of East Anglia, Norwich, UK, April 2008 (invited)
- Vera, R., Chiarati, E., Baglione, V. 2009. Sporadic use of communal roost in cooperatively breeder

groups of carrion crow: the whether influence, family cohesion and social segregation. IEC. Rennes. Oral.

Wascher, C. , Krieger, M., Negrini, A. & Bugnyar, T. Cooperative problem solving in corvids. Talk, TECT-Summerschool, Strasbourg, F. 30.8.-6.9.2008.

Wascher, C., Dufour, V, Braun, A. & Bugnyar, T. Carrion crows choose higher quantities in a preference but not in an exchange task. ECBB Meeting, Ferrara, I, 16.-18.7.2010

Zuca P., Sovrano V., Bugnyar T. (2009) Does preferential visual hemifield use allow inferring the emotional state of birds? The examples of Quails and Ravens. Proceedings of the 10th European Conference of the Association of Avian Veterinarians. Antwerp, Belgium, in press.

DynCoopNet:

ALONSO GARCÍA, David “De mercaderes a regidores. El pleito de los rediezmos en Roma y la familia Dueñas Aragón”, en *La villa de Madrid en los albores de la capitalidad (siglos XIV-XVI)*, Madrid, Universidad Complutense, 2008 (invited).

ALONSO GARCÍA, David “Jano en Madrid, Madrid con Jano. El nacimiento de una ciudad cortesana (1517-1556)”, en *Madrid en la Edad Media. XI Jornadas de Historia Medieval de la Asociación Cultural Almudayna*, Madrid, Universidad Complutense, 2007 (invited).

ALONSO GARCÍA, David “La città in Spagna e nei domini spagnoli”, *Costruzione e rappresentazione dei centri abitati in Sicilia in età moderna*, Catania, Università di Catania, 2007 (invited)

ALONSO GARCÍA, David “Notas sobre la cooperación en el arrendamiento de rentas reales”, *IX Congreso de la Asociación Española de Historia Económica*, Murcia, 2008 (paper) Keynote Talks.

ALONSO GARCÍA, David “Tratos, créditos e impuestos. Las comunidades financieras castellanas en la primera Edad Moderna”, *Comunidades mercantiles/Colonias trasnacionales: puntos para un debate (1650-1830)*, Madrid, CSIC, 2008 (invited).

ALONSO GARCÍA, David, “Capital privado y financiación regia a principios de la Edad Moderna”, *La fiscalità nell'economia europea. Secc. XIII-XVIII. Settimana di Studio di Storia Economica, “F. Datini”*, Prato, Istituto di Storia Economia F. Datini, 2007 (paper presented in english). Keynote.

ALONSO GARCÍA, David, “A Castile without a King: Political Conditions between 1504-1525”, *122nd Annual Meeting of American Historical Association. Session 32: Late Medieval and Early Modern Spain*, Washington, 2009. Keynote

ALONSO GARCÍA, David, “Notas sobre la cooperación en el arrendamiento de rentas reales (1500-1525)”, *IX Congreso de la Asociación Española de Historia Económica*, Murcia, 2009. keynote

ALONSO GARCÍA, David, “Madrid, de villa a corte. Una visión historiográfica”, en *Una reflexión historiográfica sobre la historia de Madrid en la Edad Media*, Madrid, 2009. keynote

ALONSO GARCÍA, David, “Fiscalidad, poder financiero y SIG: primeros resultados”, I Seminario de Historia y SIG: Representando un sistema: Redes dinámicas de cooperación en el Mundo Atlántico, siglos XVI-XVIII, Madrid, 2009. Invited

ALONSO GARCÍA, David, “SIG para el estudio del poder financiero en Castilla a principios de la Edad Moderna”, *Jornada sobre los Sistemas de Información Geográfica en la Investigación de la Universidad Complutense*, Madrid, 2009. Invited

ALONSO GARCÍA, David, "Tra teoría e pratica: un approcio alle reti finanziarie in Età Moderna". Ponencia invitada en la Università di Roma Tre, Roma, 2010. Invited.

ALONSO GARCÍA, David, "Theory and practice: cooperation in financial networks", Final TECT Conference, Budapest, 2010. Invited.

ALVAREZ NOGAL, C. "El poder de los banqueros genoveses en la Corte de Felipe IV", *Centros de poder italianos en la Monarquía Hispánica (siglos XV- XVIII)*, Arte, música, literatura, espiritualidad, Madrid, December 2008. Invited talk

ALVAREZ NOGAL, Carlos, "¿Quiénes y por qué compraban juros en los siglos XVI y XVII? La deuda pública situada sobre las alcabalas de Murcia", Invited talk, *Endeudamiento público, Monarquías y ciudades en los reinos Hispánicos medievales*, Barcelona, november, 2008.

ALVAREZ NOGAL, Carlos, "Mercados o redes de mercaderes: El funcionamiento de la feria de Portobelo", Paper presentation, *XIV Congreso Internacional de Historia Económica, SESSION 18: Imperial Networks and Global Business in Iberian World, 15th to 18th centuries: merchants, bankers and corporations*, Helsinki, Finland, august 2006. Keynote

ALVAREZ NOGAL, Carlos, "The organisation of a financial business in Madrid in the 17th century: managing information costs", Paper presentation, *Associação Portuguesa de História Económica e Social: "Globalization: Long-Term Perspectives*, Universidade Nova de Lisboa, Faculdade de Economia, Lisboa, November 2007. Keynote.

BARROS, Amândio, 2007 - Fortune de mer et pluriactivité dans le Nord-Ouest Portugal, XVe-XVIe siècle in *La pluriactivité, forme de gestion des risques économiques chez les sociétés littorales en Europe atlantique (XIe-XVIe siècles)?* Keynote. [essential for project; dissemination of TECT]

BARROS, Amândio, - L'accueil des étrangers dans les ports du Nord du Portugal au Moyen Âge jusqu'au XVIe siècle, in *Les risques et leur gestion chez les populations usagères des mers et des littoraux du Ponant (XIIe-XVIe siècles)*, "Au risque de l'Étranger chez les sociétés littorales: le protéger et s'en protéger", organização das Universidades de La Rochelle e Nantes, Nantes, 17 de Outubro de 2008. Invited. [essential for project; dissemination of TECT]

BARROS, Amândio, - The Atlantic vocation pursuit. Maritime relations between Portugal and Great Britain (14th-16th centuries), in *Fifth IMEHA International Congress of Maritime History, Greenwich, 23-25 June, 2008*. Invited. [essential for project; dissemination of TECT]

BARROS, Amândio, Merchants, ports and hinterlands. The building of sea-port structures in the Early Modern Porto, in *IX Congreso Internacional de la Asociación Española de Historia Económica rea-lizado em Múrcia nos dias 9, 10, 11 y 12 de Setembro de 2008*. Keynote. [essential for project; dissemination of TECT]

CANO FUENTES, J., BERNABÉ POVEDA, M.A., MANSO CALLEJO, M.A. "Interfaces tangibles de usuari aplicados a la Información Geográfica: Cartografía interactiva mediante Visión por Ordenador." *III Jornada de la IDEE*, <http://jidee06.uji.es> 2006, Keynote.

CARVALHO, Joaquim, - Bringing History to Web Social Networks i-tech partner, Academy Organized by the European Project Tech-SME partner, Biocant, Cantanhede, 31 October 2007. Invited. [essential for project; dissemination of TECT]

CARVALHO, Joaquim, - Redes interpessoais e estruturas sociais na Época Moderna, in the seminar series on “Novas perspectivas em História Moderna”, organização do departamento de História do Instituto Superior de Ciências do trabalho e da Empresa, em 10 de Janeiro de 2007 (Invited) [essential for project; dissemination of TECT]

CARVALHO, Joaquim, - Reconstructing Social Structure from Social Positional Events, “*European Social Science History Conference 2008*”, Lisboa, 1st March 2008. Keynote. [essential for project; dissemination of TECT]

CARVALHO, Joaquim, RIBEIRO, Ana Isabel, - Spiritual Kin and Small Worlds: how the choice of godparents unlocks social structure, UK Social Networks Conference, Londres, 14 de Julho de 2007. Keynote. [essential for project; dissemination of TECT]

CARVALHO, Joaquim; RIBEIRO, Ana Sofia; “Cooperation in the 16th century. The Simón Ruiz network case study: from data source to network modelling” in TECT Final Conference. Budapest. 15th-17th September 2010. [essential for project; dissemination of TECT]

CASADO ALONSO, Hilario, La pêche à Terre-Neuve et le commerce international: deux activités complémentaires au XVI^e siècle. *La pluriactivité, forme de gestion des risques économiques chez les sociétés littorales en Europe atlantique (XI^e – XVI^e siècles)?*. Universités de la Rochelle et Nantes. La Rochelle, 12/10/ 2007. Invited.

CASADO ALONSO, Hilario, Les relations financières entre les foires de Castille et les foires de Lyon au XVI^e siècle. *Lyon vue d’ailleurs (1245–1800) : échanges, compétitions et perceptions / Lyon regarded from elsewhere (1245–1800): exchanges, contests and perceptions. Session M7 del IXth International Conference on Urban History*. Lyon, Francia. 29/8/ 2008. Invited.

CASADO ALONSO, H. Cultura material y consumo textil en Castilla a fines de la Edad Media e inicios de la Edad Moderna. *Coloquio Internacional “Pautas de consumo y niveles de vida en el mundo rural medieval”*. Universidad de Valencia, 18-20 de septiembre de 2008. Invited

CASADO ALONSO, H. Los seguros marítimos durante el siglo XVI. *Historias con Historia. Aguas de mar y Aguas de río en la Castilla Moderna*. Universidad de Valladolid, 9 de octubre de 2008.

CASADO ALONSO, H. La gestión empresarial en Castilla en el siglo XVI. *VI Encuentro de Trabajo sobre Historia de la Contabilidad*. Valladolid, 5-7 noviembre de 2008. Invited.

CASADO ALONSO, H. Nodos y redes de comercio: los agentes castellanos en los puertos atlánticos (siglos XV y XVI). *IV Coloquio Internacional sobre Historia de la Navegación: Navegación y puertos en época medieval*. Universidad de Granada, 19-20 de mayo de 2009. Invited.

CASADO ALONSO, H. Las relaciones entre comunidades de cristianos nuevos de Trancoso y Castilla en los siglos XV y XVI. *Colóquio Internacional “Património e Desenvolvimento”*. Instituto Piaget, Trancoso y Vila Nova de Foz Côa (Portugal). 30 de junio-1 de julio de 2009. Invited.

CASADO ALONSO, H. El Duero Oriental en los siglos XV y XVI: crecimiento económico y transformaciones. *El Duero Oriental en la transición de la Edad Media a la Moderna: Historia, Arte, Patrimonio*. Aranda de Duero, 20-25 de julio de 2009. Invited.

CASADO ALONSO, H. The Economic History of Spain in the Early Modern Ages. *Dove va la Storia Economica?. Metodi e Prospective. Secc. XIII-XVIII. XLII Settimana di Studi Istituto Internazionale Francesco Datini*. Prato (Italia), 18-22 de abril de 2010. Invited.

CASADO ALONSO, H. Le rôle des facteurs et des agents dans les réseaux de commerce castillans aux XV^e et XVI^e siècles. *Les figures de l'intermediation marchande en Europe et dans le monde méditerranéen (XVI^e – XXI^e siècles)*. Université de Nice. 10-12 junio de 2010. Invited.

COPPOLA, Emery A., Jr., OWENS, J.B. & Szidarovszky, Ference. "Fuzzy rule-based modeling of degrees of trust in cooperation-based networks: close research collaboration among domain experts (historians) and mathematical modelers." TECT Strategic Workshop "Visualization and Space-Time Representation of Dynamic, Non-linear, Spatial Data", Technical University of Madrid, Spain, 25-26 September 2008
(http://mapas.topografia.upm.es/Dyncoopnet/presentations/Madrid_fuzzy_owens.pdf). (*)

CRESPO SOLANA, Ana "Introducción al Coloquio: Acerca de las comunidades mercantiles en la Edad Moderna", *Coloquio Internacional Comunidades mercantiles/colonias transnacionales: Puntos para un debate (1650-1830)*, Madrid, CSIC, 2 y 3 de abril de 2008. (This Workshops were organized by Ana Crespo in relation with the scientific activities about Merchant Networks and Comparative Studies), funding with an special collaboration of CSIC, Regional Government of Community of Madrid (CAM) and MICINN. Invited.

CRESPO SOLANA, Ana, "Comunidades mercantiles:¿ redes de dependencia inter-imperial?" *Ireland and the Iberian Atlántic. Mobility, Involvement and Cross-Cultural Exchange (1580-1823)*, Universidad Pablo de Olavide, Sevilla. 30, 31 de octubre, 1 de noviembre de 2008. Invited.

CRESPO SOLANA, Ana, "El interés público y el interés particular: una visión comparativa en las representaciones de los mercaderes flamencos en la Corte de Felipe V" *Congreso Internacional. Agentes e Identidades en movimiento. España y los Países Bajos, siglos XV-XVIII*". Universiteit Gent, Bélgica, 27-29 de septiembre de 2007 Invited.

CRESPO SOLANA, Ana, "Foreign Merchants in Spain and the Political Economy: The True (or real) Spanish Monopoly with America (1648-1740)", The emergence of political ideology in foreign policy in early modern Europe (1650-1750), *University Utrecht. Países Bajos. 25 y 26 de enero de 2008*. Invited.

CRESPO SOLANA, Ana, "El director de la Empresa en la Guayana Holandesa: el modelo global de la Ilustración", *LASA 2009. Asimetrías internas y externas en la circulación del saber: Proyecciones culturales del Caribe*," Río de Janeiro, Brasil, June 11-16 2009. Invited.

CRESPO SOLANA, Ana: Two Power Point Presentation in the Sesión: Self-Organising Networks and Trading Cooperation: GIS tools in the visualization of the Atlantic Economic expansion. (1400-1800), XVth World Economic History Congress (Utrecht, 3-7 August 2009). With Presentation of Crespo Solana, Picazo Muntaner, Alonso, Polonia Da Silva and Barros. (***)

CRESPO SOLANA, Ana: Two Power Point Presentation at the DynCoopNet Session in the "TECT Final meeting" Budapest, 15-17 September, 2010. With Presentation of Owens, Polonia Da Silva, Alonso, Crespo, and other PhD students and APs and CPs of the CRP. (***)

Hibberd, Robert E., and OWENS, J. B. (2010). "Before Highway Maps: Creating a Digital Gazetteer from a Mid Sixteenth-Century Guide to the Iberian Commercial and Pilgrimage Routes". Paper for the 41st annual meeting of the Association for Spanish and Portuguese Historical Studies, 15-18 April 2010,

Ottawa, Canada

Hibberd, Robert E., and OWENS, J. B. (2010). "Abstract: Building a digital historical gazetteer and tracking Iberian place name changes between the first and second global ages". Paper for the session "GIS for the Development of Digital Historical Gazetteers II", 2010 annual meeting of the Association of American Geographers (AAG), Washington, D.C., 15 April 2010; published at the URL: http://communicate.aag.org/eseries/aag_org/program/AbstractDetail.cfm?AbstractID=29505

Kantabutra, V., OWENS, J. B., Ames, D. P., Burns, C. N., and Stephenson, B. (2010). "Representing Temporal and Historical GIS data using the ILE DBMS." GIScience Research Track, ESRI International User Conference, 12-16 July 2010, San Diego, CA.

MUKHERJEE, Rila, 2007 Tokyo, invited Keynote (**) on Networks, Cooperation and Conflict in the French Revolution.

MUKHERJEE, Rila, 2007, South Asia Institut, Heidelberg, Invited one hour presentation on Cartography of the Bengal Delta.

MUKHERJEE, Rila 2008 Kolkata, India, Invited at Centre for Archaeological Studies and Training, One hour presentation on Problems of Cartography of the Bengal Delta.

MUKHERJEE, Rila, 2008, Kolkata, India, invited at Maulana Abul Kalam Azad Institute for Asian Studies, Kolkata, One hour presentation on Networks between India and China through Maps.

MUKHERJEE, Rila, 2008, invited Zanzibar, Keynote (**) on Indian Ocean Links.

MUKHERJEE, Rila, Invited: 2009 Kolkata, One hour PowerPoint presentation, Reconstructing an Environmental History through Cartography.

MUKHERJEE, Rila, resource person, Indian Council of Social Science Research sponsored Research Methodologies workshop, Hyderabad, 2009, One hour PowerPoint presentation, Reconstructing a History of the Indian Ocean through Cartography.

MUKHERJEE, Rila, 2009, Invited, Max Planck Group Festival Lecture, Kolkata, 2009, Maps as Archive.

MUKHERJEE, Rila 2007 Tokyo, South Asia Institute, Heidelberg. Keynote.

MUKHERJEE, Rila: Organization of the International Congress: Oceans Connect : New Directions in Maritime Studies, Department of History, University of Hyderabad, Hyderabad, in collaboration with Maulana Abul Kalam Azad Institute of Asian Studies, Kolkata, February 1, 2010: Conference Hall, School of Social Sciences, February 2-4, 2010: New Seminar Hall, School of Social Sciences, University of Hyderabad. With Presentation of Crespo Solana, Polonia Da Silva, Barros. (***)

NALLE, Sara , Invited participant, TECT Conference, Budapest (Hungary), July 4-7, 2007. (**)

NALLE, Sara , Invited speaker, "Partner Choice and Merchant Mobility" *TECT Conference, Porto* (Portugal), March 26-29, 2008. (**)

NALLE, Sara , Invited speaker, "Religion in the Age of Velázquez." National Gallery (London). Dec. 9, 2006.

NALLE, Sara, "Ethnic Identity and Converso Family Strategies in Inquisition Ego Documents." *Sixteenth Century Studies Conference*, St. Louis, MO, Oct. 24, 2008. Keynote.

NALLE, Sara, "Life-Cycle Servants and Apprentices in Cuenca and Its Hinterland." *Annual Meeting of the Society for Spanish and Portuguese Historical Studies (SSPHS)*, Kansas City, Missouri, April 4, 2009.

NALLE, Sara, "Ethnic Identity and Family Strategies in Inquisition Ego Documents." *Sixteenth Century Studies Conference*, St. Louis, Missouri, Oct. 24, 2008.

NALLE, Sara, "Ethnic Identity and the Family in Early Modern Spain." *Kaleidoscope: Symposium in honor of Richard Kagan*, Johns Hopkins University, Baltimore, Maryland, September 27, 2008.

OWENS, J.B. "Dynamic Complexity of Cooperation-Based Self-Organizing Networks in the First Global Age" (DynCoopNet)." Major presentation (one hour; illustrated; companion paper for distribution) for the European Science Foundation, EUROCORES Programme TECT, Launch Conference, Collegium Budapest, Institute for Advanced Study, Budapest, Hungary, 4-7 July 2007. (Invited)

OWENS, J.B. "A GIS for Visualizing the Complex, Self-Organizing Commercial Networks of the First Global Age (1400-1800 C.E.)." Peer-reviewed position paper accepted for the University Consortium for Geographic Information Science (UCGIS) Workshop on "Computation and Visualization for the Understanding of Dynamics in Geographic Domains," Maritime Institute of Technology & Graduate Studies, Linthicum Heights, Maryland, 16-18 October 2006. (Invited)

OWENS, J.B. "Dynamic and Skilled Sixteenth-Century Castilian Entrepreneurs: An Attempt to Crush a Stereotype." Paper presented at the annual meeting of the Sixteenth Century Studies Conference, Salt Lake City, Utah, 26-28 October 2006. (Invited)

OWENS, J.B. "Segmented Political Hierarchies and Self-Organizing Commercial Networks: The World of the Merchant-Smuggler in the Global Hispanic Monarchy." Paper presented at the conference "Middlemen and Networks: Economic, Social, and Cultural foundations of the Global Economy" (held in honor of David Ringrose), organized by the All-UC Economic History Group and the All-UC World History Group, University of California, San Diego, 3-5 November 2006. (Invited)

OWENS, J.B. "The Complex, Self-Organizing Networks of the First Global Age (1400-1800): A high priority for world historical research." Peer-reviewed position paper accepted for to the World History Network and World History Association Research Agenda Symposium "Research in World History: Connections and Globalization," Boston, 10-12 November 2006. (Invited)

OWENS, J.B. "Understanding the social networks of Milanese merchants based in sixteenth-century Castile (The example of Cuenca, 1559)." Paper for the session « Networking in Cuenca: Youths, Adulterers, and Merchants », which was organized by DynCoopNet AP Sara T. Nalle for the annual meeting of the Society for Spanish and Portuguese Historical Studies, Kansas City, Missouri, USA, 2-5 April 2009. (*)

OWENS, J.B. "Was there really no coercion? Merchant cooperation in the long-distance trading networks of the first global age." TECT joint-project workshop, "Studying Challenges of the Global Commons: Connecting Researchers with Complementary Interests," The Beijer International Institute of Environmental Economics, The Royal Swedish Academy of Science, Stockholm, 6 September 2007. (Invited) (**)

OWENS, J.B. & Coppola, Emery A., Jr., "How a fuzzy reality can fit into the precision demanded by GIS." Presented to the ISU Geotechnologies Seminar, 30 October 2008. (Invited) (*)

OWENS, J.B. "Developing a GIS-based research project on a historical theme." ISU Geotechnologies Seminar, 1 November 2007. (Invited)

OWENS, J.B. "DynCoopNet: Report on the First Year." Annual meeting of "The Evolution of Cooperation and Trading" (TECT), Barcelona, Spain, 23 November 2008. (*)

OWENS, J.B. "GIS as the integration engine of collaborative research: Merchant cooperation in the long-distance trading networks of the first global age, 1400-1800 CE." For the European Science Foundation workshop "A Place in Europe: Historical GIS and New Perspectives on European and World History," sponsored by the Universitat de Lleida, the Residence for Researchers CSIC, and the Institut Europeu de la Mediterrània, Barcelona, Spain, 30 November – 2 December 2007. (Invited) (**)

OWENS, J.B. "Understanding human cooperation in a geographically large, complex system: Methods." TECT-INCORE summer school: Tools of the trade in cooperation research, Obernai, Alsace, France, 30 August – 6 September 2008 (<http://tectscool2008.googlepages.com/Owens-Lecture.pdf>, accessed on 19 December 2008). (Invited) (**)

OWENS, J.B. "Violence and smuggling in sixteenth-century eastern La Mancha." Paper presented to the 38th annual meeting of the Society for Spanish and Portuguese Historical Studies, Miami Beach, Florida, 20 April 2007. (Invited)

OWENS, J.B. "What do 'Visualization and Space-Time Representation of Dynamic, Non-linear, Spatial Data' have to do with DynCoopNet?" TECT Strategic Workshop "Visualization and Space-Time Representation of Dynamic, Non-linear, Spatial Data", Technical University of Madrid, Spain, 25-26 September 2008 (http://mapas.topografia.upm.es/Dyncoopnet/presentations/Madrid_DynCoopNet.owens.pdf, accessed on 19 December 2008). (Plenary) (**)

OWENS, J.B. "What kind of system is it?" Conference "Andre Gunder Frank's Legacy of Critical Social Science," University of Pittsburgh, 11-13 April 2008. (Invited)

OWENS, J.B. "What kind of system is it?" For the session "Modelling from Economic and Ecological Data from the First Global Age" for the TECT joint-project workshop "Trust, Reputation, Defectors, and Sustaining Social Norms: Studying spatially complex cooperative relationships in ways that connect TECT projects," University of Porto, Portugal, 28 March 2008. (**)

OWENS, J.B. « Cooperation-Based Commercial Networks and Religious Change in the Atlantic World ». For the U.S. National Endowment for the Humanities workshop on GIS and Research on Religion in the Atlantic World, Florida State University, 13-15 February 2009. (Invited)

OWENS, J.B. « Visualization Historical Narratives: Geographically-Integrated History and Dynamics GIS ». U. S. National Endowment for the Humanities workshop « Visualizing the Past », University of Richmond, Virginia, 20-21 February 2009. (Invited; based on the paper, J. B. Owens, May Yuan, Monica Wachowicz, Viti Kantabutra, Emery A. Coppola, Jr., Daniel P. Ames, and Aldo Gangemi, "Visualizing Historical Narratives: Geographically-Integrated History and Dynamics GIS." Peer reviewed position paper for the National Endowment for the Humanities workshop "Visualizing the Past: Tools and Techniques for Understanding Historical Processes," 20-21 February 2009, University of Richmond, Virginia, USA. Submitted 13 December 2008, and selected for presentation after an international competition) (**)

OWENS, J.B., CRESPO SOLANA, Ana, & BERNABÉ POVEDA, Miguel Ángel. "Herramientas de información geográfica en el estudio de las redes de comercio (siglos XVI a XVIII): Aplicaciones técnicas y problemas metodológicos en DynCoopNet." Paper presented, in Spanish by Owens, to the Segundas Jornadas gvSIG, Valencia, Spain, 23-24 November 2006. (Invited) (*)

OWENS, J.B. Member of the plenary panel session entitled "Temporal GIS, Space-Time Representation of Cooperation Networks: What is the next step?" for the TECT strategic workshop "Visualisation and Space-Time Representation of Dynamic, Non-linear, Spatial Data in DynCoopNet and Other TECT Projects", Universidad Politécnica de Madrid, Spain, 25-26 September 2008. (**)

OWENS, J. B. "Understanding the social networks of Milanese merchants based in sixteenth-century Castile (the example of Cuenca, 1559)." Paper for the session "Networking in Cuenca: Youths, Adulterers, and Merchants", organized by DynCoopNet AP Sara T. Nalle. Annual meeting of the Society for Spanish and Portuguese Historical Studies, Kansas City, Missouri, USA, 2-5 April 2009.

OWENS, J. B. (2009). "The Use and Importance of Geospatial Data in Geographically-Integrated History" (pdf, 820 Kb). Framing a National Preservation and Access Strategy for Geospatial Data, November 12-13, 2009, Whittall Pavilion, Library of Congress, Washington, DC, published at the URL: http://www.digitalpreservation.gov/news/events/other_meetings/geosummit09/index.html

OWENS, J. B. (2010). "Narrating Little Stories about the Portuguese in the Making of World History". Paper for the 41st annual meeting of the Association for Spanish and Portuguese Historical Studies, 15-18 April 2010, Ottawa, Canada

OWENS, J. B. (2010). "Using GIS to Explore the Nonlinear Dynamics of Historic Systems". Session: "There is no place like home!" – Why Historians would want to use GIS, Royal Geographical Society annual conference, London, UK, 1-3 September; abstract: https://docs.google.com/View?id=dzs44v7_1283cmzjsgft

OWENS, J. B. (2010). "Introduction to DynCoopNet: What's in a name?" Closing meeting of the European Science Foundation's EUROCORES (European Collaborative Research) program "The Evolution of Cooperation and Trading" (TECT), Budapest, Hungary, 15-17 September 2010; slides: <http://www.esf.org/activities/eurocores/running-programmes/tect/events/tect-final-conference.html>

OWENS, J. B. (2010). "Eat Your Hearts out U.S. Historians! Spain Had Four Civil Wars in the Nineteenth Century". Idaho Council for History Education History and Social Sciences Conference "From Rome to Iraq: Civil Wars in History", Boise, Idaho, 7-8 October 2010

OWENS, J. B. (2010). Chairperson for the sessions "The power of the commoners: Informal agent-based networks as source of power in the First Global Age" and "Dealing with gender and alterity in Portuguese sixteenth-century maritime societies". Annual meeting of the Social Science History Association (SSHA), Chicago, Illinois, 18-21 November 2010.

PICAZO MUNTANER, Antoni, -"Cartography and space" en "Trust, Reputation, Defectors and Sustaining Social Norms: Studying spatially complex cooperative relationships in ways that connect TECT projects", en Faculdade de Letras da Universidade do Porto, Portugal, in 27-29 march 2008. (**)

PICAZO MUNTANER, Antoni, -"Cartography and trade in the Sea's South", in "Cooperation Trough the

Ages”, Universitat Pompeu Fabra, Barcelona, 23-25 april 2008. (**)

PICAZO MUNTANER, Antoni, Reunión Científica de la Fundación Española de Historia Moderna, Santiago de Compostela, 11-13 junio de 2008, con la comunicación “Comercio y colaboración en el Mar del Sur: el ejemplo del Patache San Buenaventura”. (**)

PINTO, Sara, 2008 – “Managing goods and people from the company's office: Iberian merchants' data source in the XVI century”. In I^a Scuola Dottorale – Fonti per la Storia dell'Economia Europea (secoli XIV-XVII): La documentazione aziendale, Arezzo (Italy), 14-19 July, 2008. (**)[essential for project; dissemination of TECT]

PINTO, Sara, Participation in The TECT-INCORE Summer School: « Tools of the trade in cooperation research », Obernai, France, 30 August - 6 September 2008. (**)[essential for project; dissemination of TECT]

PINTO, Sara; RIBEIRO, Ana (2009) - From Sources to GIS Results: the methodological path of the DynCoopNet Portuguese team. In “XVth World Economic History Congress”, Utrecht, 3 a 7 August 2009. [essential for project; dissemination of TECT]

PINTO, Sara; NOGUEIRA, Miguel; WACHOWICZ, Monica; POLÓNIA, Amélia (2010) - Mapping 16th Century Trade Networks: a GIS Application for Historical Data Sources. In "13th AGILE International Conference on Geographic Information Science", Guimarães, 10-14 Maio.

PINTO, Sara; NOGUEIRA, Miguel; POLÓNIA, Amélia; ITURRIOZ, Teresa; WACHOWICZ, Monica (2010) - Mapping 16th Century Trade Networks: a GIS Application for Historical Data Sources. In "TECT Final Conference", Budapest, 15-17 September.

POLÓNIA, Amélia participation in a Seminar promoted by the CETRAD (ID: Transdisciplinary Research Centre on Development Studies) in UTAD (University of Trás-os-Montes, Portugal) , entitled: “Transdisciplinarity in Social Sciences” (Vila Real, 14 April 2009)

POLÓNIA, Amélia Lecture on *Retroprojections of Portuguese expansion in the Early Modern Age: the internal impact of overseas dynamics in maritime societies (16-17th centuries)*. Lecture on the “Fall Seminar of the Department of Economic & Social History” da Universidade de Utrecht (Utrecht, November de 2008) (keynote talks) (**)

POLÓNIA, Amélia, *Self organized networks. Flows between empires: Portuguese in Spanish America (16th-17th. Centuries)*. Paper to present at Comunicação at the XVth. World Economy History Congress (Utrecht, August 2009). Panel : “Self-Organising Networks and Trading Cooperation: GIS tools in the visualization of the Atlantic Economic expansion. (1400-1800)”, coord. David Alonso Garcia; Ana Crespo Solana. (Invited) (**)

POLÓNIA, Amélia, *Self organising networks in the construction of the Portuguese overseas empire* in 5th International Congress of Maritime History, IMEHA (International Maritime Economic History Association) (Greenwich, 23-27 Junho 2008)(**)

POLÓNIA, Amélia, *Women's Labour and Households in Maritime Communities in Early Modern Portugal*. in ESSHC 2008 (European Social Sciences History Congress). Panel: “Work and the Household in Early Modern and Modern Europe: Learning about Gender from the Local” (Lisbon, Fevereiro-Março 2008). (**)

POLÓNIA, Amélia, *Women's participation in labour and business in the European Maritime Societies in the Early Modern Period*. In XL Settimana di Studi: Il ruolo economico della famiglia. Secs. XIII-XVIII. 4ª Session : "Il diverso ruolo dei maschi e delle femine nei contesti familiari" (Prato, 6-10 April 2008). (**)

POLÓNIA, Amélia, Lecture on: *A propósito de Colombo. A face oculta do expansionismo europeu: a importância dos agentes individuais como motores das descobertas geográficas e da expansão ultramarina*. Conferência proferida no âmbito do "IX Festival Colombo" (Porto Santo, 13 September 2008). (keynote talks) (**)

POLÓNIA, Amélia; NOGUEIRA, Miguel "Now and Then, Here and There... on business": mapping social/trade networks on First Global Age in *Workshop on Mapping Different Geographies*, Puchberg am Schneeberg (Austria), 11-15 February 2009 (**)

POLÓNIA, Amélia, *Ruling strategies and informal power of self-organising networks in the First Global Age. The Portuguese case* in the session "The power of the commoners. Informal agent-based networks as source of power in the First Global Age" in ASSHC 2010 (Chicago, 18-21 November 2010) [Soon available at <http://dyncoopnet-pt.org/working-papers>]

POLÓNIA, Amélia, *Female: the alter ego of maritime societies? Practices and representations of gender (Portugal. 16th Century)* "Dealing with gender and alterity in Portuguese maritime societies. 16th. Century), in ASSHC 2010 (Chicago, 18-21 November 2010) [Soon available at <http://dyncoopnet-pt.org/working-papers>]

POLÓNIA, Amélia, *Cooperation in self-organising networks - an interdisciplinary approach* in the session of DynCoopNet in TECT Final Conference (Budapest, 15-17 September 2010). Available at <http://dyncoopnet-pt.org/working-papers>

POLÓNIA, Amélia, *Cooperation of agent based self-organizing networks as the focus of an alternate historiography* in TECT-INCORE Summer School, "Cooperators since life began" (Budapest, 11-15 September 2010). Available at <http://dyncoopnet-pt.org/working-papers>

POLÓNIA, Amélia, *Redes informais e mecanismos de cooperação na Época Moderna. Quadro teórico e contributos epistemológicos aplicadas ao espaço colonial português* in ST3 " Articulações Portugal/ Brasil. Redes informais na construção do sistema Atlântico (séculos XVI – XVIII)" (*Connections between Portugal and Brazil: informal networks in the building up of the Atlantic system*) in III Congresso INternacional de História Colonial (3rd. International Conference on Colonial History) (Recife, 4-7 September 2010). Available at <http://dyncoopnet-pt.org/working-papers>

POLÓNIA, Amélia - Chair and discussant of the panel of Interfaith commerce in Medieval and Early Modern Times III, part of the Symposium " Commerce and Religion in Medieval and Early Modern Times(ESSHC, Ghent 13-16 April 2010)

POLÓNIA, Amélia; *Jumping frontiers, crossing barriers. Technical and cultural transferences between the Mediterranean, the Atlantic and the Indian Oceans. The Portuguese overseas expansion case study* in International Conference Oceans Connect: New Directions in Maritime Studies (University of Hyderabad , 31 January -4 February 2010). Available at <http://dyncoopnet-pt.org/working-papers>

POLÓNIA, Amélia ; BARROS, Amândio, *Commercial flows and transference patterns between Iberian empires (16th-17th. centuries)*, with Amândio Barros, presented in in panel “Self-Organising Networks and Trading Cooperation: GIS tools in the visualization of the Atlantic Economic expansion. (1400-1800)”, coord. David Alonso Garcia; Ana Crespo Solana; Carlos Álvarez Nogal (XVth. World Economy History Congress (Utrecht, August 2009). Available at <http://dyncoopnet-pt.org/working-papers>

POLÓNIA, Amélia - participation in a Seminar promoted by the CETRAD (ID: Transdisciplinary Research Centre on Development Studies) in UTAD (University of Trás-os-Montes, Portugal) , entitled: “Transdisciplinarity in Social Sciences” (Vila Real, 14 April 2009)

POLÓNIA, Amélia; NOGUEIRA, Miguel; BARROS, Amândio, “*Now and Then, Here and There... on business*”. *Mapping social/trade networks on First Global Age* in “Mapping Different Geographies Workshop” (Puchberg am Schneeberg , Austria, 11th - 15th February 2009)

POLÓNIA, Amélia, *Retroprojections of Portuguese expansion in the Early Modern Age: the internal impact of overseas dynamics in maritime societies (16-17th centuries)*. Lecture at the 2008 Fall Seminar of the Department of Economic & Social History da Universidade de Utrecht. (Utrecht, November de 2008). Available at <http://dyncoopnet-pt.org/working-papers>

POLÓNIA, Amélia, *Global and local interactions of Portuguese overseas empire - the construction of social identities of seamen communities (16th.-17th. Centuries)* in VII Bienal Conference of FEEGI (The Forum on European Expansion and Global Interaction) (Washington DC, Georgetown University, 22-23 February 2008). (**)

POLÓNIA, Amélia, *Women’s Labour and Households in Maritime Communities in Early Modern Portugal*. in ESSHC 2008 (European Social Sciences History Congress). Panel: “Work and the Household in Early Modern and Modern Europe: Learning about Gender from the Local” (Lisbon, Fevereiro-Março 2008). (**)

POLÓNIA, Amélia, *A propósito de Colombo. A face oculta do expansionismo europeu: a importância dos agentes individuais como motores das descobertas geográficas e da expansão ultramarina*. Conferência proferida no âmbito do “IX Festival Colombo” (Porto Santo, 13 September 2008). (keynote talks) (**)

PUU, Tonu, 28 July 2007, Invited lecture, Nonlinear Economic Dynamics (NED07) conference in Bielefeld, Germany (**)

PUU, Tonu, 10 October 2008, Keynote, Spatial Econometrics conference in Cartagena, Spain

PUU, Tonu, 12 September 2008, Invited lecture, at ECIT08 (European Conference on Iteration Theory) in Yalta, Ukraine

PUU, Tonu, 17 May 2008, Invited lecture, Transdisciplinary Perspectives on Economic Complexity conference in Harrisonburg, Virginia (**)

PUU, Tonu, 24 November 2007, Invited lecture, MDEF conference (Modelli dinamici economiche e finanziari) in Urbino, Italy

RIBEIRO, Ana Sofia, "Studying Cooperation in Economic history: is it possible? Simon Ruiz in a PhD thesis" in TECT INCORE Summer school 'Tools of the trade in cooperation research' Obernai. 30th August – 6th September. [essential for project; dissemination of TECT]

RIBEIRO, Ana Sofia, "Cooperation in trade history – how to define it and how to trace it . A case study of the merchant Simon Ruiz, second half of the 16th century". In 1^a Scuola Dottorale – fonti per la storia dell'Economia Europea (secoli XIV-XVII). Arezzo. 14th-18th July 2008. [essential for project; dissemination of TECT]

RIBEIRO, Ana Sofia; PINTO, Sara, "From sources to GIS results: the methodological path of the Dyncoopnet Portuguese team." In WEHC. Utrecht, 3rd-7th August 2009. [essential for project; dissemination of TECT]

RIBEIRO, Ana Sofia, "Mecanismos e critérios de cooperação em redes mercantis na segunda metade do século XVI – a rede de Simon Ruiz (1553-1597). Considerações sobre um projecto de doutoramento. In 1^o Encontro de Jovens Investigadores em História Moderna. Lisboa. 24th-26th September 2009. [essential for project; dissemination of TECT]

RIBEIRO, Ana Sofia, "Cooperation mechanisms in historical dynamics. Trade networks in the First Global Age." In INCORE Conference – "Cooperation: an Interdisciplinary Dialogue". Budapest. September 17th -18th 2010. [essential for project; dissemination of TECT]

RIBEIRO, Ana Sofia; PINTO, Sara, "A commodity or a person? Slave interaction in Portuguese maritime societies" in SSHA Annual Meeting 2010. Chicago. 18th-21st November 2010. [essential for project; dissemination of TECT]

RIBEIRO, Ana Sofia, "Money and Governance: economic co-operation in business networks as means to build and sustain power in the 16th century Europe" in SSHA Annual Meeting 2010. Chicago. 18th-21st November 2010. [essential for project; dissemination of TECT]

SHARP, Derrick & OWENS, J.B. « Economics, merchants, and weather patterns: a spatiotemporal analysis of interdependence in a changing global system, 1700-1850 ». For the session « Modelling from Economic and Ecological Data from the First Global Age » for the TECT joint-project workshop "Trust, Reputation, Defectors, and Sustaining Social Norms: Studying spatially complex cooperative relationships in ways that connect TECT projects," University of Porto, Portugal, 28 March 2008. (**)

SHARP, Derrick & OWENS, J.B. « Economics, merchants, and weather patterns: a spatiotemporal analysis of interdependence in a changing global system, 1700-1850 ». For the session « Modelling from Economic and Ecological Data from the First Global Age » for the TECT joint-project workshop "Trust, Reputation, Defectors, and Sustaining Social Norms: Studying spatially complex cooperative relationships in ways that connect TECT projects," University of Porto, Portugal, 28 March 2008. (**)

WACHOWICZ, M., ORELLANA, D., CRESPO SOLANA, A. OWENS, J. & BERNABÉ POVEDA, M.A. "A space time representation for reasoning about the Atlantic commercial routes of the 18th century" . Annual Meeting of the Social Science History Association, Session Theme: Contributory GIS for Historical Research. (Miami) 2008 (**)

WACHOWICZ, M., ITURRIOZ T., CANO, J. Polónia A. and PINTO S. (2009) - Affective Mapping of Social Networks. In "5th IEEE International Conference on e-Science, Workshop on 'Geospatial computing for the arts, humanities and cultural heritage'", Oxford, England.

WACHOWICZ, M., ORELLANA, D., CRESPO SOLANA, A. OWENS, J. & BERNABÉ POVEDA, M.A. "A space-time representation for reasoning about the Atlantic commercial routes of the 18th century" . Annual Meeting of the Social Science History Association, Session Theme: Contributory GIS for Historical Research. (Miami) 2008 (*)

YUAN, M. From Static to Dynamic: Temporal GIS Potential to Spatial Analysis. Annual Meeting of American Association of Geographers. San Francisco, CA. April 18-21, 2007. (**)

Yuan, M. GIS approaches for geographic dynamics understanding and event prediction. SPIE Defense Transformation and Network-Centric systems II. Special Session on Predictive Analytic Modeling. April 8-13, 2007. Orlando, Florida. (**)

Yuan, M. Panelist, Workshop on Advanced Research in Geospatial Information Technologies for Transportation. September 20-21, 2007. Keck Center, U.S. National Academies, Washington DC.

Yuan, M. Temporal GIS for Agent-based Modeling of Complex Spatial Systems. NSF Research Workshop on Agent-Based Modeling of Complex Spatial Systems. Santa Barbara, CA. April 13-15, 2007. (**)

Yuan, M. Temporal GIS. Workshop: A Place in Europe: Historical GIS and New Perspectives on European and World History. November 30-December 2, 2007, Barcelona, Spain. Sponsored by the European Science Foundation. (**)

Yuan, M. From Temporal GIS to Narrative. Presidential Session in Social Science and History Association Annual Meeting, Miami, Florida. Oct 23-26, 2008 (**)

Yuan, M. Temporal GIS, Geographic Dynamics, and Complex Systems. EUROCORES Programme TECT workshop on Cooperation through the Ages: the social and psychological dynamics of cooperation and punishment. Sitges, Barcelona, Spain. 25-27 April 2008. European Science Foundation. (**)

Yuan, M. Temporal GIS: Representation and Analysis. EUROCORES Programme TECT Joint-Project workshop on Studying Spatially Complex Cooperative Relationships, Universidade do Porto, Porto, Portugal, 26-29 March 2008. European Science Foundation. (**)

SENSE:

Karl Sigmund:

2007-5-29, Opening lecture, Fourth International Conference Mathematical Biology, Wuyishan, China

2007-6-3, Opening lecture, International Conference Mathematical Biology, Wenzhou, China

2007-7-7, Plenary, SING 3 (Spain Italy Netherlands Meeting on Game Theory), Madrid, Spain

2007-7-18, Plenary, II Conference on Computational and Mathematical Population Dynamics (CMPD2), Campinas, Brasil

2007-8-16/23, Modelling the evolution of cooperation, Seminar Week, Alpbach, Austria

2007-9-21, Plenary, MMEE 2007 (Mathematical Models in Evolution and Ecology), Brighton, Sussex, UK

2007-10-1, Plenary, ECCS07 (European Conference on Complex Systems), Dresden, Germany

2007-11-16, Seminar, JOCS, Barcelona, Spain

2007-11-20, Seminar, Mathematical Institute, Brno, Czech Republic

2008-1-3, Opening lecture, Meeting Finnish Mathematical Society, Helsinki Tech University, Finland

2008-3-10, Plenary, Interdisciplinary College, Möhne, Germany

2008-4-3, Seminar, Université Lausanne, Switzerland

2008-6-30, Plenary, Dynamical Game Theory Conference, Wroclaw, Poland

2008-8-6, Plenary, SIAM Meeting, Montreal, Canada

2008-9-1, Lectures, ESF Summerschool, Obernai, France

2008-10-3, Lecture, Economics Faculty, Stockholm, Sweden

2008-12-8, Seminar (Zwischen Zwang und Freiwilligkeit: Spieltheoretische Modelle zur Evolution der Kooperation), Universität Bielefeld, Germany

2009-2-12, Lecture (Darwin on Cooperation), Oslo Darwin Days, Norway

2009-3-10, Lecture (Darwin on Cooperation), Max Planck Symposium Evolutionary Biology, Berlin, Germany

2009-3-11, Lecture (Darwin et la coopération), ECVO EVO journées IHPST, Paris, France

2009-3-25, Lecture (Incentives and Public Goods), Deutsche Physiker Tagung, Dresden, Germany

2009-5-29, Lecture (Darwin and Cooperation), Tagung Homo Soziobiologicus, Universität Wien, Austria

2009-6-28, Lecture (Darwin and Cooperation), Summer School Steps in Evolution, Jacobs Universität Bremen, Germany

2009-6.7, Lecture (Darwin and Complexity), 'Aspects of Complexity', University of Manchester, UK

2009-9-17, Lecture (Reputation and Incentives), IIASA TECT Meeting 'Evolution of Cooperation'

2009-24-10, Lecture (Darwin and Cooperation), Austrian Science Day, Evolution – Entwicklung und Dynamik in den Wissenschaften, Semmering

2009-26-11, Lecture (Sanctions and Executive Power), Darwin 09, University of Palma de Mallorca, Spain

2010-2-2, Lecture (The calculus of selfishness), Ecole d'Hiver, Lausanne, Switzerland

2010-10-3, Lecture (Cooperation in Humans), Veterinärmedizinische Universität Wien, Austria

2010-3-14, Initiativkolleg Moehne, The Evolution of Cooperation, Germany

2010-5-27, Lecture (Sanctions on the Commons), Mathematics Department, University of Helsinki, Finland

2010-6-14, Lecture (Sanctions on the Commons) , BIRS Banff Center, Canada

2010-8-23, Lecture (Evolution of Cooperation), Summer School in Turku

2010-9-3, Lecture (Incentives and Cooperation), IIASA Workshop Human Brain and Social Bond

2010-9-21, Lecture (Sanctions on the Commons) Koninklijke Akademie Amsterdam, the Netherlands

2010-9-25, Lecture (Reputation and Incentives), Tinbergen Institute Amsterdam, the Netherlands

Christian Hilbe:

2010-8-9, Presentation (Incentives and Opportunism), Max Planck Institute for Evolutionary Biology, Ploen, Germany

2010-9-15, Presentation (Incentives and Opportunism), TECT Final Conference, Budapest, Hungary

Marius Ochea:

2009-5-31/6-2, Presentation (Heterogenous Learning Rules in Oligopoly Games), 6th International Conference on Nonlinear Economic Dynamics (NED09), Jonkoping, Sweden

2009-7-1/3, Presentation (Evolution in Iterated Prisoner's Dilemma under Smooth Best-Reply Dynamics), SING 5 (Spain Italy Netherlands Meeting on Game Theory), Vrije Universiteit Amsterdam, the Netherlands

2009-7-13/17, Presentation (Evolution in Repeated Prisoner's Dilemma), 20th International Conference on Game Theory, Stony Brook, USA

2010-4-9/17, Presentation (Evolution in Iterated Prisoner's Dilemma under Smooth Best-Reply Dynamics), Workshop on Games and Dynamics, Warwick University, UK

2010-5-31/6-2, Presentation (Evolution in Repeated Prisoner's Dilemma), 10th Workshop on Optimal Control and Dynamic Games, CeNDEF, Univ. of Amsterdam, the Netherlands

2010-6-12/18, Presentation (Evolution in Iterated Prisoner's Dilemma under Smooth Best-Reply Dynamics), Banff Workshop on Evolutionary Games, Banff Center, Canada

2010-6-19/23, Presentation (On the Stability of the Cournotian Solution: an Evolutionary Approach). 14th Meeting of the International Society of Dynamic Games, Banff, Canada

2010-6-28/7-2, Presentation (An Evolutionary IEA Game: the Evolution of Abatement Strategies), 4th World Congress of Environmental and Resource Economists,, Montreal, Canada

2010-9-15/17, Presentation (An Evolutionary IEA Game: the Evolution of Abatement Strategies), TECT Final Conference, Budapest, Hungary

Aart de Zeeuw:

2007-7-23, Lecture (Can a focus on breakthrough technologies improve the performance of

international environmental agreements?), NBER Summer Institute, Harvard/MIT, Cambridge, MA, USA

2008-7-5, Seminar (Can a focus on breakthrough technologies improve the performance of international environmental agreements?), Joint Universities, Montreal, Canada

2008-6-27, Presentation (Can a focus on breakthrough technologies improve the performance of international environmental agreements?), 16th Annual Conference of the European Association of Environmental and Resource Economists, Gothenburg, Sweden

2010-6-29, Presentation (Voluntary cooperation and public goods provision: coalition formation and the role of external labor markets), 4th World Congress of Environmental and Resource Economists, Montreal, Canada

SOCCOP:

Prof. Gintis presented papers at about 18 conferences during the first 18 months of the grant

Alex Kacelnik, Individual and group decision-making under risk. Budapest, August 2007. Launching of TECT

Andrighetto, G. "How Agents Find out Norms: A Simulation Based Model of Norm Innovation". The 3rd International Workshop on Normative Multiagent Systems (NorMAS 2008), 15-16 July, 2008

Castelfranchi, C (2010) Through Norm Compliance and Through Violation. Norm Compliance Workshop, July 6 2010 Fiesole.

Castelfranchi, C. (2010) Relazione invitata al ciclo di seminari Mind in Action (Prof.ssa Di Lorenzo Ajello; Università di Palermo) dal titolo: "La coscienza come interazione sociale intrapsichica" (20 Aprile 2010).

Castelfranchi, C. "Goal Adoption: the missing mechanism in human cooperation". International Workshop Organized by the Universitat Autònoma de Barcelona in collaboration with the European Science Foundation "Cooperation through the ages: the social and psychological dynamics of cooperation and punishment", Barcelona, April 2008.

Castelfranchi, C. (with Tummolini L.) "Some emotional support to strong reciprocity". International conference on "Understanding moral emotions: perspectives from cognitive sciences and economics", Roma, May 8, 2008

Castelfranchi, C. "Computational Models for Social Interaction" International workshop: science and technology of agreement. June 19-20, 2008. Barcelona, Spain.

Castelfranchi, C. "Cognitive Social Agents: Main Challenges" Minds and Society, Cognitive Science Institute, Montreal, Canada, June 27th - July 6th 2008; invited lecture.

Castelfranchi, C. "Cognitizing Norms and Trust". Social Norms: a summer school organized by the University of the Basque Country and the Urrutia Elejalde Foundation, San Sebastián, July 14-17 (2008); invited lecture.

Conte R., "Directions of Emergence. Reputation and Social Norms". AISB 2008 Convention,

Communication, Interaction and Social Intelligence, April 1-4, 2008, Aberdeen, Scotland; invited lecture.

Conte R. "Emergence of Norms in Multi-Agent Systems" Minds and Society, Cognitive Science Institute, Montreal, Canada, June 27th - July 6th 2008; invited lecture.

De Marco A., Petit O., Visalberghi E. "Facial displays in two capuchin species: *Cebus capucinus* and *Cebus apella*". 22th Congress of the International Primatological Society, Edinburgh, August 3-8, 2008.

Di Tosto G. "Reputation and the maintenance of social norms". In "Trust, Reputation, Defectors, and Sustaining Social Norms: studying spatially complex cooperative relationships", TECT Workshop. Porto, Portugal, March 26-29, 2008.

Di Tosto G. "Reputation and Economic Performance in Industrial Districts: Modelling Social Complexity Through Multi-Agent Systems". Second World Conference in Social Simulation (WCSS08), Washington D.C., USA. July 14-17, 2008.

Di Tosto G., "Enforcing Prosocial Behaviour". The 4th Conference of the European Social Simulation Association (ESSA07), Toulouse, France. September 10-14, 2007.

Ernst Fehr, Neuroeconomics of social preferences
Invited talk at the Conference on Neuroeconomics, New York University, January 12, 2008

Ernst Fehr, On Reputation - A Microfoundation of Contract Efficiency and Price Rigidity
Royal Economic Society, Keynote lecture, March 19, 2008

Ernst Fehr, On the Economics and Biology of Trust
Presidential Address, European Economic Association, Milano, August 30, 2008

Ernst Fehr, On Money Illusion
Keynote Lecture, Annual meeting of the Verein für Socialpolitik, Sept. 24, 2008

Ernst Fehr, Fairness and Effort
Keynote Lecture, Nordic Conference on Experimental Economics, Nov. 14, 2008

Polizzi di Sorrentino E., Schino G., Visalberghi E., Aureli F. (2009) A test of anticipatory strategies in capuchin monkeys (*Cebus apella*): coping with expected feeding time. 3rd International Congress of the European Federation of Primatologists. Zurich (Switzerland) August 12-15, 2009.

Polizzi di Sorrentino E. "Do intergroup encounters influence intragroup cooperation?" In "Tools of the trade in cooperation research", TECT-INCORE Summer School. Obernai, France. August 30 - September 6, 2008.

Polizzi di Sorrentino E., Schino G., Visalberghi E., Aureli F. "Conflict prevention in capuchin monkeys: A food anticipation test". 18th Congress of the Associazione Primatologica Italiana, March 31 - April 3, 2009, Asti. *Folia Primatologica*, in press.

Polizzi di Sorrentino E., Massaro L., Schino G., Visalberghi E., Aureli F. "Do inter-group interactions influence the nature of intra-group social relationship? An experiment with tufted capuchin monkeys". 18th Congress of the Associazione Primatologica Italiana, March 31 - April 3, 2009, Asti. *Folia Primatologica*, in press.

Polizzi di Sorrentino E. "Anticipatory strategies of conflict management in capuchin monkeys", CompCog Research Networking Program short term visit, 22-28 September 2008, Konrad Lorenz Institute, Vienna, Austria.

Rodríguez-Sickert, Carlos, Rowthorn, Robert and Guzmán, Ricardo Andrés (2008): *The inhibition of rational learning in social contexts*: presented at TECT conference, Barcelona, April 2008. Invited

Rowthorn, Robert and Seabright, Paul: *Warfare and the Multiple Adoption of Agriculture after the Last Ice Age*: presented at the Santa Fe Institute, July 2008. Invited

1. Annual Meeting of the Society for Molecular Biology and Evolution (Barcelona, Spain) June 2008. Talk: Recombination rate evolves with genetic differentiation in humans. (Ferran Casals, Hafid Laayouni, David Comas, Elena Bosch, Marta Melé, Kate M McGee, Philip Awadalla, Arcadi Navarro, Francesc Calafell, Jaume Bertranpetit).
2. Annual Meeting of the Society for Molecular Biology and Evolution (Barcelona, Spain) June 2008. Poster: The role of human population genetic heterogeneity in the successful replication of the disease risk variants. (Urko Martinez, Elodie Gazave, Carlos Morcillo, Ferran Casals and Arcadi Navarro).
3. Annual Meeting of the Society for Molecular Biology and Evolution (Barcelona, Spain) June 2008. Poster: Copy Number Variation in the Great Apes. (Elodie Gazave, Fleur Darre, Tomàs Marques-Bonet, Evan Eichler and Arcadi Navarro).
4. Cold Spring Harbor Laboratory Meeting on the Biology of Genomes (CSHL, New York, USA). May 2008. Poster: Copy Number Variation in the Great Apes. (Elodie Gazave, Fleur Darre, Tomàs Marques-Bonet, Evan Eichler and Arcadi Navarro).
5. Cold Spring Harbor Laboratory Meeting on the Biology of Genomes (CSHL, New York, USA). May 2008. Poster: The role of human population genetic heterogeneity in the successful replication of the disease risk variants. (Urko Martinez, Elodie Gazave, Carlos Morcillo, Ferran Casals and Arcadi Navarro).

Neuroeconomics of social preferences

Invited talk at the Conference on Neuroeconomics, New York University, January 12, 2008

On Reputation - A Microfoundation of Contract Efficiency and Price Rigidity

Royal Economic Society, Keynote lecture, March 19, 2008

On the Economics and Biology of Trust

Presidential Address, European Economic Association, Milano, August 30, 2008

On Money Illusion

Keynote Lecture, Annual meeting of the Verein für Socialpolitik, Sept. 24, 2008

Fairness and Effort

Keynote Lecture, Nordic Conference on Experimental Economics, Nov. 14, 2008

Sabbatini G. "A new paradigm to study reciprocity in non-human primates". In "Tools of the trade in cooperation research", TECT-INCORE Summer School. Obernai, France. August 30 - September 6, 2008.

Schino G. "Primate reciprocity: general patterns and proximate mechanisms". 2nd Congress of the European Federation for Primatology, Prague, September 2007; invited main lecture

Schino G. "Towards understanding the proximate mechanisms of primate reciprocation". International

Workshop Organized by the Universitat Autònoma de Barcelona in collaboration with the European Science Foundation "Cooperation through the ages: the social and psychological dynamics of cooperation and punishment", Barcelona, April 2008.

Schino, G. "Towards understanding the proximate mechanisms of primate reciprocation: existing data and potential models". "From observations and experiments to modelling styles" ISTC workshops, October 11-12, 2007, Rome.

Schino G. "Towards understanding primate cooperation: meta-analyses, observations and experiments". Presented at the School of Biological and Earth Sciences of the Liverpool John Moores University as part of the INCORE Lecture Series.

Schino G., Di Giuseppe F., Visalberghi E. "Grooming reciprocation in *Cebus apella*". 22th Congress of the International Primatological Society, August 2008. *Primate Eye* 96: S54; 2008.

Schino G. "Primate reciprocity: partner choice, cognition and emotions" (invited talk). International Conference: "Feathered apes meet furry crows: a comparison of cooperation in corvids and primates", organized by the Université de Strasbourg, Strasbourg, February 2009.

Tiddi B., Aureli F., Schino G. (2009) Do tufted capuchin monkeys (*Cebus apella nigritus*) trade grooming for infant handling? 3rd International Congress of the European Federation of Primatologists. Zurich (Switzerland) August 12-15, 2009.

Tummolini, L. (2010) Relazione invitata al ciclo di seminari Mind in Action (Prof.ssa Di Lorenzo Ajello; Università di Palermo) dal titolo: "Beliefs by convention and joint unintentional action: a cognitive agent theory of social institutions" (21 Aprile 2010).

Tummolini L. (2010) A cognitive agent theory of social institutions. VII International Conference on Collective Intentionality, Basel (Switzerland) August 23-26 2010.

Tummolini, L. "Shared Intention Revisited". International Workshop on Michael Bratman organized by the University of Berne, Berne, September, 7th – 9th 2007.

Tummolini, L. "A comment on Ecumenical Expressivism". International Workshop on "Normative Concepts", Zurich, September 21st – 22nd 2007

Tummolini, L. "Anchoring Normative Change in Agents' Attitudes". International conference on "Formal Models of Norm Change", University of Luxembourg, 29–30 November 2007

Tummolini, L. "Trust as a Social Relationship: Basic Ingredients". "Trust, Reputation, Defectors, and Sustaining Social Norms: studying spatially complex cooperative relationships", TECT Workshop. Porto, Portugal, March 26-29, 2008.

Tummolini, L. "Cooperation by Implicit Signalling". International Workshop Organized by the Universitat Autònoma de Barcelona in collaboration with the European Science Foundation "Cooperation through the ages: the social and psychological dynamics of cooperation and punishment", Barcelona, April 2008.

Tummolini, L. "The Saliency of Silence: The Pragmatics of Tacit Interaction". Conference on "The Tacit Dimension of Law", University of Turin, September 19 2008

Tummolini, L. "Convention or (tacit) agreement betwixt us". International Workshop "Conventions and Intersubjectivity" Université Paris Ouest- Nanterre, December 12, 2008.

Tummolini, L. "Convention or (tacit) agreement betwixt us". Dagstuhl Conference on "Normative Multi-Agent Systems", Germany, March 16-20 2009.

Tummolini, L. "Disappointed Expectations: Guilt Feelings and Reliance". Conference on "Morality, Emotions and Cognition" University of Bari, April 3 2009.

Visalberghi, E. (2009) Scimmie uno (s)comodo specchio. Museo Regionale di Scienze Naturali, Torino, 5 Ottobre 2009.

Visalberghi, E., Addessi, E. (2010) Ragionamenti da scimmie: i nostri studi sui cebi. Auditorium dell'Acquario di Genova, 10 Marzo 2010.

Visalberghi E., De Marco A. "Espressioni facciali: dalle riflessioni di Darwin agli studi sui cebi". Darwin Day 2009, Parma. Centro Congressi del Comune di Parma, March 5-6, 2009 (invited talk).

Visalberghi E., Spagnoletti N. "Factors affecting the use of hammers and anvils to crack open nuts in wild bearded capuchins" 22th Congress of the International Primatological Society, Edinburgh, August 3-8, 2008.

- Posters

BIOCONTRACT:

Carvalho LM, Domingues, I., and F. Dionisio Evolution of a conjugative plasmid and the mutualism between bacterial cells and plasmids. TECT meeting, 15-18 September 2010 Budapest, Hungary

F. Dionisio, Mutualistic Parasites: when hosts make use of their parasites and pathogens The Symposium "Mutualism & The Evolution of Cooperation and Trading" organized at Harvard University, Cambridge, MA, on May 7-9, 2009

Malé P.J., Leroy C., Orivel J. & Quilichini A. 2009. Evolutionary conflicts between a neotropical ant and its host-plant. 12th Congress of the European Society for Evolutionary Biology, Turin, Italy

COCOR:

Boeckle, M. & Bugnyar, T. Individual recognition in calls of ravens (*Corvus corax*). Poster, Vocal Communication in Birds and Mammals Meeting, St Andrews, UK. 31.7.-2.8.2008.

Braun, A. & Bugnyar, T. How to cope with others? Social dynamics in wild ravens. International Ethological Conference, Rennes, F, 19.-24.8.2009.

Fraser, O.N., Bugnyar, T. & Aureli, F. The consoling function of post-conflict bystander affiliation. Conference 'The Primate Mind,'. Erice, I, 3.-8.6.2009.

Fraser, O.N. & Bugnyar, T. Post-conflict bystander affiliation in ravens. Workshop 'Context, Causes, and Consequences of Conflict'. Leiden, NL, 31.8.-4.9.2009.

Fraser, O.N. & Bugnyar, T. Post-conflict behaviour and agonistic support in ravens. Conference 'Evolution of Cooperation: Models and Theories'. Laxenburg, A, 15.-18.9.2009.

Ponticorvo, M., Donetto, D., Miglino, O., Nolfi, S., Zucca, P. (2008). La cooperazione nei corvidi: un modello di robotica evolutiva, presented at AIP National Congress, Experimental Psychology, Padua, 18-20 September*

Serra-Garcia, M., Stony Brook Workshop in Behavioral Game Theory, Poster, June 2009, Stony Brook Center for Game Theory. Ühlein, M., Braun, A. & Bugnyar, T. Yours, mine or ours? Foraging strategies in wild ravens. International Ethological Conference, Rennes, F. 19.-24.8.2009.

Zucca P. (2009) Anthelmintic efficacy evaluation in medium/small size pet birds: eggs per gram (epg) or egg per drop (epd)? Proceedings of the 10th European Conference of the Association of Avian Veterinarians. Antwerp, Belgium, in press.

DynCoopNet:

BARROS, Amândio; CARVALHO, Joaquim; CARVALHO, João; NOGUEIRA, Miguel; OSSWALD, Helena; PINTO, Sara; POLÓNIA, Amélia; RIBEIRO, Ana Sofia: "Historical Cooperation on Early Modern trade and social networks. A multidisciplinary approach", Luxemburg, IIASA, September 2009.

BARROS, Amândio; CARVALHO, Joaquim; CARVALHO, João; NOGUEIRA, Miguel; OSSWALD, Helena; PINTO, Sara; POLÓNIA, Amélia; RIBEIRO, Ana Sofia: "Historical Cooperation on Early Modern trade and social networks. A multidisciplinary approach", Budapest, TECT and INCORE Final Conferences, September 2010.

HIBBERD, Robert & OWENS, J.B. Poster: Sixteenth-Century "Spanish" Commercial and Pilgrimage Routes. ISU Graduate Research Symposium, Idaho State University, 10 April 2009.

HIBBERD, Robert & OWENS, J.B. Poster: Sixteenth-Century "Spanish" Commercial and Pilgrimage Routes. ISU Graduate Research Symposium, Idaho State University, 10 April 2009.

OWENS, J.B. & SHARP, Derrick, Poster: "Cooperation and Trading in the First Global Age, 1400-1800: An Application of Geographic Information Systems (GIS)" (**) For the 122nd Annual Meeting of the American Historical Association, Washington, D.C., 3-6 January 2008, session 177, no. 19. (**)

OWENS, J.B. Distributed Paper: "Cooperation and Trading in the First Global Age, 1400-1800: An Application of Geographic Information Systems (GIS)" [4,500 words]. For the 122nd Annual Meeting of the American Historical Association, Washington, D.C., 3-6 January 2008, session 177, no. 19. (**)

OWENS, J.B. & SHARP, Derrick, Poster: "Cooperation and Trading in the First Global Age, 1400-1800: An Application of Geographic Information Systems (GIS)" (**) For the 122nd Annual Meeting of the American Historical Association, Washington, D.C., 3-6 January 2008, session 177, no. 19. (**)

OWENS, J.B. Distributed Paper: "Cooperation and Trading in the First Global Age, 1400-1800: An Application of Geographic Information Systems (GIS)" [4,500 words]. For the 122nd Annual Meeting of the American Historical Association, Washington, D.C., 3-6 January 2008, session 177, no. 19. (**)

OWENS, J.B. & SHARP, Derrick. Poster: Cooperation and Trading in the First Global Age, 1400-1800: An Application of Geographic Information Systems (GIS). University-Wide Research and Creative Activities Day at ISU, 31 March 2009.

OWENS, J.B. & SHARP, Derrick. Poster: Cooperation and Trading in the First Global Age, 1400-1800: An Application of Geographic Information Systems (GIS). University-Wide Research and Creative Activities Day at ISU, 31 March 2009.

SANDES, ANDERSON C. & OWENS, J.B. Poster: A Globally Oriented Deep Mapping of Brazil. ISU

Graduate Research Symposium, Idaho State University, 10 April 2009.

SANDES, ANDERSON C, & OWENS, J.B. Poster: A Globally Oriented Deep Mapping of Brazil. ISU Graduate Research Symposium, Idaho State University, 10 April 2009.

SENSE:

Marius Ochea:

2009-9-15/18, Evolution in Iterated Prisoner's Dilemma under Smooth Best-Reply Dynamics, TECT Conference on "Evolution of Cooperation: Models and Theories", IIASA, Laxenburg, Austria

SOCCOP:

Massaro L., Polizzi di Sorrentino E., Schino G., Visalberghi E., Aureli F. (2009) Visibility between neighbouring groups of capuchin monkeys: influence on intragroup aggression and social relationships. 3rd International Congress of the European Federation of Primatologists. Zurich (Switzerland) August 12-15, 2009.

Polizzi di Sorrentino, E., Schino, G., Visalberghi, E., Aureli, F. (2009) Conflict prevention through pre-feeding grooming in capuchin monkeys Context, Causes and Consequences of Conflict. 31 Aug- 4 Sep 2009, Lorentz Center meeting, Leiden.

Tiddi B., Polizzi di Sorrentino E., Aureli F., Janson C., Schino G. "Interchange between grooming and tolerance among wild tufted capuchin monkeys (*Cebus apella*): combining experiments and observations". 22th Congress of the International Primatological Society, Edinburgh, August 2008. Primate Eye 96: S211; 2008.

Tiddi B., Polizzi di Sorrentino E., Aureli F., Janson C., Schino G. "Grooming for tolerance? Behavioural interchange in wild tufted capuchin monkeys (*Cebus apella nigrinus*)". 78th Meeting of the American Association of Physical Anthropologists, Chicago, April 2009. American Journal of Physical Anthropology S48: 255; 2009.

- Other (*please define*)

COCOR:

Ponticorvo, M., Miglino, O., Donetto, D. Together is better: models of cooperation in Evolutionary Robotics, submitted to IEEE Congress on Evolutionary Computation, Trondheim, Norway, 18-21 May, 2009*

DynCoopNet:

Assistance to Workshop and General Meeting:

ALONSO GARCÍA, David -"TECT-INCORE-NYAS meeting", Barcelona, November, 2008. (**)

ALONSO GARCÍA, David, "DynCoopNet workshop, Madrid, CSIC, May-2008. (**)

ALONSO GARCÍA, David, "Visualization and Space-time Representation of Dynamic, Non-linear, Spatial

Data and other TECT project”, Madrid, Universidad Politécnica, September, 2008. (**)

ALONSO GARCÍA, David, *DynCoopNet Workshop: Trust, Reputation, Defectors and Sustaining Social Norms**** (Discussant) (**)

BARROS, Amândio; CAMARINHAS, Nuno; CARVALHO, Joaquim; NOGUEIRA, Miguel; OSSWALD, Helena; PINTO, Sara; POLÓNIA, Amélia; RIBEIRO, Ana Sofia; Attendance on TECT Joint Science Meeting - “Trust, Reputation, Defectors, and Sustaining Social Norms: Studying spatially complex cooperative relationships in ways that connect TECT projects. International workshop” (University of Porto, 26-29 March 2008) (**)

BARROS, Amândio; POLÓNIA, Amélia 2008 – Participation on TECT Joint Science Meetings - EUROCORES Programme TECT Launch Conference (Collegium Budapest, 4-7 July 2007). (**)

CARVALHO, Joaquim; NOGUEIRA, Miguel; POLÓNIA, Amélia 2008 – Participation on TECT Joint Science Meetings – *ESF Eurocores workshop: Visualisation and space-time representation of dynamic, non-linear, spatial data in DynCoopNet and other TECT projects* (Madrid, Universidade Técnica, 24-26 Setembro) (**)

CRESPO SOLANA, Ana, DYNCOOPNET, General Meeting, Budapest July 2007. (**)

CRESPO SOLANA, Ana, -“TECT-INCORE-NYAS meeting”, Barcelona, November, 2008. (**)

CRESPO SOLANA, Ana, TECT final meeting, Budapest, September, 15-17 2010 (**)

OWENS, J.B. New York Academy of Sciences research meeting “Values and Empathy Across Social Barriers: A Neurocognitive Approach to Fairness,” held at the Science Museum of the Caixa Foundation, Barcelona, Spain, 21-22 November 2008.

OWENS, J. B. 2010. Participation in the INCORE (Integrating Cooperation Research Across Europe), INCORE Conference - Cooperation: an Interdisciplinary Dialogue, Collegium Budapest, Hungary, 17-18 Sept. 2010. (**)

OWENS, J. B. 2010. Participate in the final meeting of the European Science Foundation research program “The Evolution of Cooperation and Trading” (TECT), Collegium Budapest, Hungary, 15-18 September 2010. (**)

OWENS, J. B. 2009. Participation in the TECT Conference at the International Institute of Applied Systems Analysis (IIASA), Laxenburg, Austria, 15-18 September 2009. Conference title: “Evolution of Cooperation: Models and Theories”. (**)

OWENS, J. B. 2008 – Participation on TECT Joint Science Meetings - EUROCORES TECT General Meeting (Barcelona, 23 November 2008) (**)

OWENS, J.B. New York Academy of Sciences, TECT-INCORE research meeting “Values and Empathy Across Social Barriers: A Neurocognitive Approach to Fairness,” held at the Science Museum of the Caixa Foundation, Barcelona, Spain, 21-22 November 2008. (**)

OWENS, J.B. TECT symposium “Money, altruism and genes: exploring the genetic basis of cooperative and commercial behaviours,” held at the Barcelona Biomedical Research Park, Barcelona, Spain, 20

November 2008. (**)

OWENS, J. B. 2008 – Participation on TECT Joint Science Meetings – ESF Eurocores workshop: Visualisation and space-time representation of dynamic, non-linear, spatial data in DynCoopNet and other TECT projects (Universidad Politécnica de Madrid, 24-26 September) (**)

OWENS, J. B. 2008. Participation in TECT Joint Science Meeting - “Trust, Reputation, Defectors, and Sustaining Social Norms: Studying spatially complex cooperative relationships in ways that connect TECT projects. International workshop” (University of Porto, 26-29 March 2008) (**)

OWENS, J. B. 2007. Participation in Workshop: A Place in Europe: Historical GIS and New Perspectives on European and World History. November 30-December 2, 2007, Barcelona, Spain. Sponsored by the European Science Foundation. (**)

OWENS, J. B. 2007. Participation in the TECT joint-project workshop, “Studying Challenges of the Global Commons: Connecting Researchers with Complementary Interests,” The Beijer International Institute of Environmental Economics, The Royal Swedish Academy of Science, Stockholm, 5-6 September 2007. (**)

OWENS, J. B. 2007 – Participation on TECT Joint Science Meetings - EUROCORES Programme TECT Launch Conference (Collegium Budapest, 4-7 July 2007). (**)

PICAZO MUNTANER, Antoni, -DYNCOOPNET, General Meeting, Budapest July 2007. (**)

PICAZO MUNTANER, Antoni, -GIS in Historical Research, at King’s College, London, in 24 October 2007, (**)

PICAZO MUNTANER, Antoni, -Visualisation and Space-Time. Representation of Dynamic, Non-linear, Spatial data in DYNCOOPNET and others TECT Projects”, in Universidad Politécnica de Madrid, 25-26 September 2008. (**)

PICAZO MUNTANER, Antoni, Cooperation through the Age, in Universitat Pompeu Fabra, Barcelona: Mayo 2008.

POLÓNIA, Amélia 2008 – Participation on TECT Joint Science Meetings - EUROCORES TECT General Meeting (Barcelona, 23 November 2008) (**)

WYTTENBACH, A. F., BERNABÉ, M. A.: “Cartoteca Virtual de la Primera Edad Global”. 1er. Seminario CSIC de Historia y SIG. Proyecto DynCoopNet. European Science Foundation-EUROCORES. Madrid, 3 July 2009.

WYTTENBACH, A. F., SIABATO, W., BERNABÉ, M. A.: WACHOWICZ, M.: “Evolution of Digital Map Libraries towards Virtual Map Rooms: new challenges for the historical research”. Mapping Different Geographies Workshop. Puchberg, (Austria) 13 February 2009. (**)

WYTTENBACH, A. F., SIABATO, W., MOYA, J.: “The challenges of generating Digital Map Libraries for Historical Research”. European Science Foundation-EUROCORES Workshop: Visualisation and Space-Time Representation of Dynamic, Non-linear, Spatial Data in DynCoopNet and Other TECT Projects. Madrid, 25 September 2008.

Organization of Workshop, Seminars and General Meeting:

ALONSO GARCÍA, David -and A. Crespo, C. Álvarez Nogal, "Self-Organizing Networks and Trading Cooperation: GIS Tools in the visualization of the Atlantic Economic Expansion (1400-1800). Session approved by *XVth World Economic History Congress*, Utrecht, August, 2009. (**)

ALONSO GARCÍA, David y CRESPO SOLANA, Ana, "Jornada sobre la elaboración de un SIG sobre redes de cooperación en las rutas de la Monarquía Hispánica", Madrid, CSIC, 28 de octubre de 2008. (**)

CARVALHO, Joaquim, 2008 - Organization of the Workshop MATER (Models of Territorial Self Organization), Coimbra, 15 December (**)

CRESPO SOLANA, Ana, "Nations and Communities. Comparatives Perspectives in Atlantic Europe, 1650-1830, International Colloquium, 2 y 3 April, 2008. Madrid, CSIC. (**)

CRESPO SOLANA, Ana, Organization of four DynCoopNet workshop about History and GIS in Center of Humanities and Social Sciences, CSIC, (High –Spanish Agency of Research, Madrid: May-2008, October, 2008, July 2009 and marzo de 2010 (**)

CRESPO SOLANA, A. Organization of a Session in: Reunión Nacional de la Infraestructura de Datos Espaciales de España (IDEE). Las infraestructuras de datos espaciales (IDE) y sus aplicaciones en proyectos de investigación científicos-tecnológicos. Sesión 2: "Otras iniciativas IDE en investigación científica", CCHS-CSIC, 24-25 February, 2010. (***)

CRESPO SOLANA, Ana, Organization with David Alonso of: Self-Organising Networks and Trading Cooperation: GIS tools in the visualization of the Atlantic Economic expansion. (1400-1800), XVth World Economic History Congress (Utrecht, 3-7 August 2009). With Presentation of Crespo Solana, Picazo Muntaner, Alonso, Polonia Da Silva and Barros. (***)

CRESPO SOLANA, Ana: Organization of the DynCoopNet Session in the "TECT Final meeting" Budapest, 15-17 September, 2010. With Presentation of Owens, Polonia Da Silva, Alonso, Crespo, and other PhD students and APs and CPs of the CRP. (***)

NALLE, Sara T. 2009. Organized the session "Networking in Cuenca: Youths, Adulterers, and Merchants", annual meeting of the Society for Spanish and Portuguese Historical Studies, Kansas City, Missouri, USA, 2-5 April 2009.

OWENS, J.B. "There's Money on the Table: How Humanities Researchers Can Expand Their Audience and Find New Sources of Funding." Workshop on organizing innovative multidisciplinary funding proposals, sponsored by the Department of English and Philosophy, Idaho State University, 24 April 2009.

OWENS, J. B. Networking proposals submitted to TECT, 2007-2008

a) "GIS in Historical Research". Proposal to send DynCoopNet PIs Antoni Picazo and Amélia Polónia to a workshop, funded by the UK's Economic and Social Research Council (ESRC), King's College London, Strand Campus, 24 October 2007 (submitted August 2007; funded: 1,100 €)

b) Poster: "Cooperation and Trading in the First Global Age, 1400-1800: An Application of Geographic Information Systems (GIS)" dissemination of TECT activity to the American Historical Association, submitted September 2007; funded: 1,141 €.

c) Proposal on behalf of PI Amélia Polónia for dissemination of TECT to the Forum on European Expansion and Global Interaction (FEEGI), Georgetown University, Washington, D.C., 22/02/2008 - 23/02/2008, submitted 29 September 2007; funded: 1,241 €.

d) Proposal with Amélia Polónia for “Trust, Reputation, Defectors, and Sustaining Social Norms: Studying spatially complex cooperative relationships in ways that connect TECT projects”, TECT joint-project workshop, University of Porto, Porto, Portugal, 26-29 March 2008; submitted October 2007; funded: 39,500 €.

e) Proposal on behalf of Amélia Polónia for dissemination of TECT to the 5th International Maritime Economic History Association (IMEHA) International Congress of Maritime History, Old Royal Naval College, Greenwich, UK (University of Greenwich), 23/06/2008 - 27/06/2008; funded, 1,203 €. (Submitted 29 September 2007)

f) Proposal on behalf of Amélia Polónia for the dissemination of TECT to the Ninth Congress of the Asociación Española de Historia Económica Murcia, Spain 16-19 September 2008; funded, 1,139 €. (Submitted 29 September 2007)

g) With Monica Wachowicz, “Visualisation and Space-Time Representation of Dynamic, Non-linear, Spatial Data in DynCoopNet and Other TECT Projects”, TECT Strategic Workshop, Madrid, Spain, 25-26 September 2008; funded, 36,840 €. (Submitted 29 September 2007)

h) “Understanding Complexity and Cooperation in Historic Commercial Networks and Mass Movements: Research Perspectives from Biology, Economics, Geography, and History.” Proposal for a TECT joint-project workshop at the World Economic History Congress, Utrecht, The Netherlands, 3-7 August 2009 (requested 22,210€; submitted 14 October 2008. Funded for 10,000€ pending the results of negotiations with the French National Research Council for its share of TECT networking funding.

i) “The Evolution of Cooperation and Trading in the First Global Age: Reputation, trust, and the emergence of new forms in commercial networks and within and among ethnic groups.” Proposal for a TECT dissemination activity in Geneva, Switzerland, for 28-30 May 2009 (requested 6039€), submitted 5 October 2008. Funding denied due to European Science Foundation budget problems.

OWENS, J.B. “There’s Money on the Table: How Humanities Researchers Can Expand Their Audience and Find New Sources of Funding.” Workshop on organizing innovative multidisciplinary funding proposals, sponsored by the Department of English and Philosophy, Idaho State University, 24 April 2009.

POLÓNIA, Amélia: Co-organization of a panel in the XVth. World Economy History Congress, under the subject: Maritime history as global history (Utrecht, August 2009) (**)

POLÓNIA, Amélia: Co-organization of the 29th. Conference of APHES (Portuguese Social and Economic Association), under the subject: Social memories, Heritage and Identities (Porto, 13-14 November 2009) (**)

POLÓNIA, Amélia: Organization of a panel with members of DynCopNet at the Sixteenth Century Society and Conference, Geneva, 28-30 May 2009, under the subject: “Dealing with gender and alterity in Portuguese Maritime Societies in the Sixteenth Century . The constitution of informal networks” (**)
TECT dissemination activity approved, that did not happen because of the lack of funding.

POLÓNIA, Amélia; OWENS., Jack – Co-organization of the TECT Networking Activity “Trust, Reputation, Defectors, and Sustaining Social Norms: Studying spatially complex cooperative relationships in ways that connect TECT projects” (University of Porto, 26-29 March 2008) (**)

POLÓNIA, Amélia - Member of the organizing committee of the IMEHA Conference 2012: Sixth International Congress of Maritime History (*Ghent, July 2012*)

POLÓNIA, Amélia - Member of the Scientific Board of the TECT Final Conference (Budapest, 15-17 September 2010)

POLÓNIA, Amélia - Organizer of the session "The power of the commoners. Informal agent-based networks as source of power in the First Global Age" in ASSHC 2010 (American Social Sciences History Conference, Chicago, 18-21 November 2010)

POLÓNIA, Amélia - Organizer of the session "Dealing with gender and alterity in Portuguese maritime societies. 16th. Century) in SSHA 2010 (Social Sciences History Association Conference), (Chicago, 18-21 November 2010)

POLÓNIA, Amélia - Co-organizer of the ST3 (Thematique session 3): " Articulações Portugal/ Brasil. Redes informais na construção do sistema Atlântico (séculos XVI – XVIII)" (*Connections between Portugal and Brazil: informal networks in the building up of the Atlantic system*). in III Congresso Internacional de História Colonial (3rd. International Conference on Colonial History) (Recife, 4-7 September 2010)

POLÓNIA, Amélia - Member of the organizing committee of the XXIX Conference of the Portuguese Economic and Social History Association Associação de História Económica e Social (Porto, FLUP, 13/14 November de 2009)

POLÓNIA, Amélia - Co-organiser, with Maria Fusaro, of the panel *Maritime history. A global history in 15th*. World Economic History Congress (Utrecht, 2009) 15th. World Economy History Congress (Utrecht, Agosto de 2009)

WACHOWICZ, Monica, CRESPO SOLANA, Ana, BERNABÉ POVEDA, Miguel Ángel, DynCoopNet Workshop. "Visualization and Space-Time Representation of Dynamic, Non-linear, Spatial Data in DynCoopNet and other TECT Projects". Madrid 25-26 septiembre 2008.(**)

SEMINARS:

ÁLVAREZ NOGAL, Carlos, 10-2007. "THE SPANISH MONARCHY'S CREDIT: WAS REALLY A BAD STRATEGY TO BORROW FROM FOREIGN BANKERS?. SEMINAR PARIS SCHOOL OF ECONOMICS (PSE-JOURDAN). (FRANCIA).

ÁLVAREZ NOGAL, Carlos, 9-2007. PROFESOR DEL "SUMMER SEMINAR". "FINANCIAL HISTORY". UNIVERSITÀ DI VENEZIA "CA FOSCARI". ORGANIZADOR: G. TATTARA.

ÁLVAREZ NOGAL, Carlos, 11-2007. "HOW WAS THE SPANISH MONARCHY FINANCED IN THE 17TH CENTURY: SHORT-RUN CREDIT OR PUBLIC DEBT?" INSTITUTO DE CIÊNCIAS SOCIAIS DA UNIVERSIDADE DE LISBOA. (PORTUGAL).

CRESPO SOLANA, Ana "Integrated Database for historical GIS. Methodological Approaching", Training Navigocorpus, Lyon, 25-26 January, 2009 (Invited). (**)

CRESPO SOLANA, Ana, Ciclo Internacional de Conferencias. Métodos, Teorías y Nuevas Líneas de Investigación Histórica. Actividad desarrollada dentro del Programa Oficial de Postgrado 2006-2007. "Europa, el mundo Mediterráneo y su difusión atlántica. Métodos y teorías para la investigación histórica". ¿Redes familiares o redes auto-organizativas? Propuestas teóricas y metodológicas para el estudio de las organizaciones mercantiles transnacionales en la era mercantilista" Universidad Pablo de Olavide, Sevilla. Lunes, 4 de abril de 2007(**)

CRESPO SOLANA, Ana, Conferencia en el Ciclo de Conferencias XV Semana de Historia de América, "Canarias y el Mundo Atlántico", Patrocinado por el Instituto de Estudios Hispánicos de Canarias. "La expansión holandesa en el Atlántico". Instituto de Estudios Hispánicos de Canarias. 24 de abril de 2008.

CRESPO SOLANA, Ana, Seminario universitario. Universidad de Puerto Rico. Recinto Río Piedras. "Una compañía hispano-holandesa en Puerto Rico. Consideraciones sobre la importación de tabaco a los mercados norte europeos en el siglo XVIII" 10 de marzo de 2006.

CRESPO SOLANA, Ana, "Los asentamientos holandeses en el Caribe y Surinam. 1598-1800. Visiones desde la Historia Atlántica, *Workshop*, Palma de Mallorca, 25 de febrero de 2009 (Invited)

CRESPO SOLANA, Profesora invitada en el Curso Universitario de Extensión. Canarias y el Mundo Atlántico, Santa Cruz de Tenerife, noviembre de 2007. "El Atlántico Europeo. Teoría, conceptos y Perspectivas de investigación". Universidad de La Laguna- Ayuntamiento de Granadilla (Santa Cruz de Tenerife). 25-30 de noviembre de 2007.

CRESPO SOLANA, Ana, "Dinámica Compleja de las redes mercantiles en el mundo Atlántico: Norma sociales, instituciones, cooperación y reputación" Programa de Doctorado con mención de calidad "Europa, el mundo mediterráneo y su difusión atlántica. Métodos y teorías para la investigación histórica" (MCD2006-00415), Universidad Pablo de Olavide de Sevilla, que se impartirá durante el curso académico 2008/2009 (Invited) 2,3 and 4 April 2009. (Invited)

OWENS, J.B. "Idaho State University: World Leader in Geographically-Integrated History." Presentation to the Geotechnologies Seminar, Idaho State University, Pocatello, 30 November 2006. (Invited)

OWENS, J. B. (2010). "DynCoopNet: ¿Qué hay detrás del nombre del proyecto?" Jornada "DynCoopNet" CSIC: Redes dinámicas de cooperación. Posibles casos de usos en SIG, Centro de Ciencias Humanas y Sociales, CSIC, Madrid, 11 March 2010. (Invited)

OWENS, J. B. (2010). "Understanding social networks within complex, nonlinear systems: geographically-integrated history and dynamics GIS". Invited seminar presentation, Institute of Cognitive Science and Technology, Italian National Research Council, Rome, Italy, 21 Sept. 2010; abstract: <<http://stlab.istc.cnr.it/stlab/STLab:News/11>>; slides: http://stlab.istc.cnr.it/stlab/External/Owens_Roma_2010.pdf

SONIS, MICHAEL (2007). "The Evolution of Complexity", for Idaho State University's Mathematics Colloquium, 27 February 2007.

Members of Editorial Board:

ALONSO, David: Member, Editorial Board, *Tiempos Modernos. Revista Online de Historia Moderna*. <http://www.tiemposmodernos.org/tm3/index.php/tm>

CRESPO SOLANA, editorial Member Editorial Board *Tiempos Modernos. Revista Online de Historia Moderna*. <http://www.tiemposmodernos.org/tm3/index.php/tm>

CRESPO SOLANA, Ana, Member of the Scientific Committee of the review: *Caribbean Studies*.

CRESPO SOLANA, Ana, Member of the Editorial Board, *Hispania. Revista Española de Historia*, ISSI Review.

CRESPO SOLANA, Ana, Member, Editorial Board: "Anuario de Estudios Americanos" EEHA-CSIC.

MUKHERJEE, Rila 2007 Member, Editorial Board, *Rethinking History*, www.tandf.co.uk

MUKHERJEE, Rila 2008 Member, Editorial Board, *OMNES, Journal of Migration and Society*, www.omnes.re.kr

OWENS, J.B. Member, Editorial Board, *Miscelánea Medieval Murciana*, 2007-present.

SOCCOP:

Szathmary, **Summer School "Tools of the Trade in Cooperation Research"**

30 August - 6 September 2008, Obernai, France

Kacelnik, TECT meeting at Sitgest, April 22-5 2008

Kacelnik, General meeting TECT- Barcelona 20-23 November 2008

Public Outreach:

- Press releases

COCOR :

Serra-Garcia, M., forthcoming. "Lying or Truth-telling: Why Does it Matter in Economics?", *AENORM, Magazine for Students in Actuarial Sciences, Econometrics & Operations Research*; and **ASSET – Econometrics Magazine, Vol. 17, 4th Ed., June 2009.**

DynCoopNet :

ALONSO GARCÍA, David -Artículo "La bancarrota de Felipe II", encargado por la revista divulgativa *Historia National Geographic* (enero, 2007).

ALONSO GARCÍA, David -Artículo "Turcos contra cristianos: el gran sitio de Rodas", encargado por la revista divulgativa *Historia National Geographic*, nº 46 (2007)

ALONSO GARCÍA, David -Artículo "El saco de Roma de 1527: Carlos V contra el Papa", encargado por la revista divulgativa *Historia National Geographic*, nº 50 (2007).

OWENS, Jack, Idaho State University press release (August 2007)

"Owens awarded \$394,000 grant that promotes ISU's global reputation"

<http://www2.isu.edu/headlines/index.php?s=owens>

(picked up by several regional newspapers and other media outlets) (**)

- National / international Newspaper articles (presenting your CRP or part of your work)

BIOCONTRACT:

Scheuring, I. 2007. The altruist being: the evolution of human cooperation. *Természet Világa* 138: 338-342 (in Hungarian) (*)

Scheuring I. 2009. Blind guides blind : evolutionary suicides, human effects. *Természet Világa* 140: 67-70 (in Hungarian)

Scheuring, I. 2010. The evolutionary background of human cooperation. *Magyar Tudomány* 5: 532-536

COCOR:

Frankfurter Allgemeine: 'Die Einsteins der Lüfte', 19.10.2008
Bild der Wissenschaften: 'Gefiederte Primaten', Heft 10/08
Natur und Wissen : 'Raben Intelligenz: Vom Verhaltens- zum Gedankenleser?', Heft 4, Seiten 5-6.
Basler Zeitung, 'Raben können taktisch betrügen', 15.10.2009
Berliner Tagesspiegel 'Taktische Betrüger', 29.9.2009
Bild der Wissenschaften 'Gefiederte Primaten': Heft 10/08
Frankfurter Allgemeine Zeitung 'Die Einsteins der Lüfte' 19.10.2008
Frankfurter Allgemeine Zeitung 'Einfühlsames Rabenvolk' 29. 9. 2010
Hamburger Abendblatt, 'Notfalls werden Kolkkraben zu Betrügern' 2.2.2010
Neue Züricher Zeitung 'Wenn Raben Trost spenden', 18.7.2010
Presse 'Intelligenz aus der Vogelperspektive', 5.4.2009
Presse 'Ich sehe, was *du* siehst', 5.8.2009
Profil 'Denkmuster', 29.6.2009
Standard 'Wissen, was der andere weiß', 8.9. 2010
Standard 'Rabenfreunde in jeder Beziehung' 10.8. 2010
Stuttgarter Zeitung, 'Taktische Betrüger im Federkleid', 23.1.2010
Tages-Anzeiger Zürich 'Kolkkraben - die cleveren Taktiker' 15.10.2009
Welt, Der Rabenversther, 14.11.2009

DynCoopNet:

POLÓNIA, Amélia – web news of the organization of the TECT Networking Activity "Trust, Reputation, Defectors, and Sustaining Social Norms: Studying spatially complex cooperative relationships in ways that connect TECT projects" (University of Porto, 26-29 March 2008) (**)

- TV appearance

COCOR:

A Murder of Crows' for NOVA (PBS USA), The Nature of Things (CBC Canada), ARTE (France, Germany) (recorded 22.-24.10.08)
'Rabeforschung' ORF Bgld (recorded 6.11.2008)
Nano: Auch die Politik der Raben kennt Koalitionen (3SAT, 13.01.2010)
hitec: Intelligenzbestien - Tiere von ihrer schlaunen Seite (3SAT, 23. November 2009; 5. Juli 2010)
Welt der Wunder: Kolkkrabe – Der Galgenvogel mit dem Superhirn (RTL II, 11. Oktober 2009; N-TV, 21. Oktober 2009)
Quarks & Co: Schlaue Raben (WDR; 17. März & 21. März 2009)
Netz Natur: Die klugen Raben (SF, 3SAT, 23. April 2008)
Rabenvögel – Gaukler der Lüfte (ARTE, 24. März 2010 & 31. März 2010)
Schlaue Vögel, schlechter Ruf: Raben (SF 1, 25. März 2010; HD Suisse: 26. März 2010)

DynCoopNet:

CARVALHO, Joaquim, 2008 - *On network analysis and population databases*, Radio Televisão Portuguesa, programa Bom Dia Portugal, 6 June 2008, available at <http://mhk.fl.uc.pt/?p=19> [essential for project; dissemination of TECT]

POLÓNIA, Amélia, 2008 – Participation on the TV program *Atlântida*, edited by RTP (Portuguese Public TV station) – Madeira / RTP International, on the subject: Christopher Columbus and the realization of the IX Columbus (Porto Santo, 13 September 2008).

SOCOP:

Ernst Fehr, Contribution in Science Suisse, a television series and book with DVDs detailing the research of 25 selected Swiss researchers

- Bound volume: 470 pages
- Publisher: Müller (Lars), Baden, Switzerland; (Mai 2009)
- Languages: French, Italian, English, German
- ISBN-10: 3037781459
- ISBN-13: 978-3037781456

- Radio appearance

COCOR:

ORF NÖ, Guten Morgen NÖ: ‚Raben sind gescheit‘ (27.10.08)

ORF Ö1 Series on ‚Corvids‘ (4 parts; recorded 19.12.08)

Dimensionen: Mitfühlend schlaue Raben. Was die Verhaltensforschung über die Raben weiß (Ö1, 27. September 2010)

DynCoopNet:

WYTTENBACH, A.F, 2010 - Participation in the talk show “La Alternativa” in the COPE Radio Station of Catalonia (Spain), on the subject: “Cartographic projections as a solution for maritime navigation in history” (28 March 2010), available at <http://www.cope.es/barcelona-audios-alternativa-28-03-10-86077> [essential for project; dissemination of TECT]

- Other (*please define*)

COCOR:

(Bugnyar) Feature article in FWF annual report 2008, ‘Kein Spatzenhirn bei Raben’.

Article presenting authors’ work: Tino Mantarro. 2009. La società delle cornacchie. In Dossier Charles Darwin. Qui Touring (Italian monthly magazine)

DynCoopNet:

OWENS, J.B. With Philip Brown (History, Ohio State University), “Using GIS for Teaching and Research in History”, part of a “webinar” (**interactive videoconference**) for university teachers organized by Diana Sinton, Director of Spatial Curriculum and Research, NITEL (National Institute for Technology and Liberal Education), 4 October 2007. (**)

OWENS, Jack, Blackwell Publishers selected **Owens, J. B.** "Toward a geographically-integrated, connected world history: Employing geographic information systems (GIS)." *History Compass*, 5 (October 2007): 2014-2040 [doi: 10.1111/j.1478-0542.2007.00476.x], to be the focus for the second online “Theory & Methods” blog discussion attempted by the press. The **blog** site received over 1,100

unique hits during the two weeks of active discussion, which can be viewed at the URL: <http://historycompass.wordpress.com/2008/11/03/debate-what-can-gis-offer-world-history/> (**)

POLÓNIA, Amélia – **web news** of the organization of the TECT Networking Activity “Trust, Reputation, Defectors, and Sustaining Social Norms: Studying spatially complex cooperative relationships in ways that connect TECT projects” (University of Porto, 26-29 March 2008) (**)

White Papers:

OWENS, J. B. (2010). “Understanding the impact of nonlinear dynamics on the processes of human systems”. White Paper submitted to the U.S. National Science Foundation (NSF) initiative “SBE 2020: Future Research in the Social, Behavioral & Economic Sciences”. 30 September 2010 [To be published by NSF]

Precirculated papers:

OWENS, J.B. “Compilation of data relating to ‘cheaters and defectors’ in commercial relationships of the First Global Age (1400-1800)” [9,200 words]. [Compilation of data provided by David Alonso García, Cátia Antunes, Hilario Casado Alonso, Ana Crespo Solana, Juan Gelabert González, Vicente Montojo, Rila Mukherjee, Jack Owens, Antoni Picazo, Amélia Polónia da Silva, and Jessica Roitman for a future jointly authored article] For the session “Cheaters and Defectors in Global Trading Networks” created with Daniel Rubenstein for the TECT joint-project workshop “Trust, Reputation, Defectors, and Sustaining Social Norms: Studying spatially complex cooperative relationships in ways that connect TECT projects,” University of Porto, Portugal, 27 March 2008. (**)

OWENS, J.B. “Compilation of data relating to ‘group augmentation’ among merchants of the First Global Age (1400-1800)” [9,400 words]. [Compilation of data provided by Cátia Antunes, Hilario Casado Alonso, Ana Crespo Solana, Vicente Montojo, Rila Mukherjee, Antoni Picazo, Amélia Polónia da Silva for a future jointly authored article] For the session “Group Augmentation and the Thought of Hanna Kokko” for the TECT joint-project workshop “Trust, Reputation, Defectors, and Sustaining Social Norms: Studying spatially complex cooperative relationships in ways that connect TECT projects,” University of Porto, Portugal, 27 March 2008. (**)

Scientific reports:

OWENS, J.B. “Report, TECT Dissemination Activity, Annual Meeting, American Historical Association, Washington, D.C., USA, 3-6 January 2008” (17 pages; 7,640 words). Submitted to the Director, EUROCORES (European Collaborative Research) Scheme, European Science Foundation, Strasbourg, France. Submitted 26 January 2008.

OWENS, J.B. & POLONIA, Amélia, “Scientific Report: TECT Networking Workshop (University of Porto, Portugal), 26-29 March 2008; “Trust, Reputation, Defectors, and Sustaining Social Norms: Studying spatially complex cooperative relationships in ways that connect TECT projects” [23 pages; 11,000 words]. Prepared for the European Science Foundation’s EUROCORES (European Collaborative Research) Scheme’s program “The Evolution of Cooperation and Trading” (TECT), Strasbourg, France, 1 June 2008. This report will be published on the web site that is currently being prepared by the DynCoopNet project team at the Technical University of Madrid, under the direction of Dr. Miguel Bernabé. (*)

OWENS, J.B. “NSF Annual Report, 2008: Dynamic Complexity of Cooperation-Based Self-Organizing Commercial Networks in the First Global Age (DynCoopNet)” [25 pages; 13,128 words]. Submitted 10 July 2008; accepted after review on 26 August 2008.

OWENS, J.B. "NSF Annual Report, 2009: Dynamic Complexity of Cooperation-Based Self-Organizing Commercial Networks in the First Global Age (DynCoopNet)" [26 pages; 12,720 words]. Submitted 7 July 2009; accepted after review on 8 July 2009.

OWENS, J. B. (2009). "Laxenburg TECT Conference: Reflections on a literature that GIScientists and Historians do not know" [Report on the TECT Conference at the International Institute of Applied Systems Analysis (IIASA), Laxenburg, Austria, 15-18 September 2009. Conference title: "Evolution of Cooperation: Models and Theories"; prepared especially for the nineteen core researchers of the TECT project "Dynamic complexity of self-organizing, cooperation-based commercial networks in the first global age", who were excluded from participation by the collapse of TECT networking funds]. Published at the URL: http://idahostate.academia.edu/documents/0060/1257/Laxenburg_TECT_Reflections_Owens.pdf

OWENS, J.B. "Report, TECT Dissemination Activity, Annual Meeting, American Historical Association, Washington, D.C., USA, 3-6 January 2008" (17 pages; 7,640 words). Submitted to the Director, EUROCORES (European Collaborative Research) Scheme, European Science Foundation, Strasbourg, France. Submitted 26 January 2008. (**)

OWENS, J.B. & POLONIA, Amélia, "Scientific Report: TECT Networking Workshop (University of Porto, Portugal), 26-29 March 2008; "Trust, Reputation, Defectors, and Sustaining Social Norms: Studying spatially complex cooperative relationships in ways that connect TECT projects" [23 pages; 11,000 words]. Prepared for the European Science Foundation's EUROCORES (European Collaborative Research) Scheme's program "The Evolution of Cooperation and Trading" (TECT), Strasbourg, France, 1 June 2008. This report will be published on the web site that is currently being prepared by the DynCoopNet project team at the Technical University of Madrid, under the direction of Dr. Miguel Bernabé. (**)

OWENS, J.B. "NSF Annual Report, 2008: Dynamic Complexity of Cooperation-Based Self-Organizing Commercial Networks in the First Global Age (DynCoopNet)" [25 pages; 13,128 words]. Submitted 10 July 2008; accepted after review on 26 August 2008. (**)

WACHOWICZ, Monica, CRESPO SOLANA, Ana, BERNABÉ POVEDA, Scientific Report of the Workshop: Visualization and Space-time Representation of Dynamic, Non-linear, Spatial Data and other TECT project", Madrid, Universidad Politécnica, September, 2008. (**)

Position paper as part of application for workshop participation:

OWENS, J.B., YUAN, May; WACHOWICZ, Monica; KANTABUTRA, Vitit; COPPOLA, Emery A., Jr.; AMES, Daniel P.; & GANGEMI, Aldo, "Visualizing Historical Narratives: Geographically-Integrated History and Dynamics GIS." Position paper for the National Endowment for the Humanities workshop "Visualizing the Past: Tools and Techniques for Understanding Historical Processes," 20-21 February 2009, University of Richmond, Virginia, USA. Submitted 13 December 2008. As the principal author, Owens has been invited to speak at the workshop. This paper will be the basis of an eventual article. (**)

Other Activities / Products

- Websites

BIOCONTRACT:

<http://www.esf.org/activities/eurocores/programmes/tect.html>

COCOR:

www.nac.unina.it

http://laral.istc.cnr.it/cocor*

<http://www.psico.units.it/zucca/teramo/index.html>

www.cooperativecrows.com

DynCoopNet:

ALONSO GARCÍA, David

https://campusvirtual.ucm.es/SCRIPT/seminario-invest-50652140-3/scripts/serve_home (DypCoopNet shared web for organizing papers, interesting articles, websites, etc.). (**)

BERNABÉ POVEDA, M.A. - Virtual Map Library of the First Global Age.

<http://www.dyncoopnet.eu/cartoteca/> (**)

CARVALHO, Joaquim - Ptolomeu, Internet Mapserver for historical data <http://ptolomeu.fl.uc.pt/>

CRESPO SOLANA's web Page in RECCMA (Red de Estudios del Caribe y Mundo Atlántico/ Caribbean Studies and Atlantic World Network): <http://www.reccma.es/crespo.html>

And Web Page on Academia. Edu: <http://csic.academia.edu/AnaCrespoSolana/About> (**)

OWENS, J.B. Web page on Academia.edu: <http://idahostate.academia.edu/JBJackOwens> (to disseminate TECT, the DynCoopNet standards for collaborative research, data sharing, and joint publication, various DynCoopNet scientific reports, and project guidance essays that Owens published on the DynCoopNet forum: e.g. "The Domain of Cooperation and Its Topology"; "Mapping Your Historical Information: A Beginner's Guide"; the site has had over 5,500 visits in twenty months) (**)

POLÓNIA, Amélia – Webpage of the Portuguese team of DynCoopNet : <http://www.dyncoopnet.pt> – (**)

POLÓNIA, Amélia – Reconstitution of Vila do Conde in the sixteenth century:

<http://www.viladoconde-quinhentista.org.pt;>

TURRIOZ AGUIRRE, T. - Mapping Letters with the Gertrude Application:

<http://www.dyncoopnet.eu/gertrude> (**)[essential for project]

- **Other** (please define)

COCOR:

(Bugnyar)

Organisation of two Discussion Meetings (INCORE funded) :

18.-20.6. Cooperation set-ups for studying primates and corvids: participants Dr. A. Seed, MPI Leipzig, Dr. V. Dufour, Univ. St Andrews, Dr. F. Range and Dr. L. Huber, Univ. Vienna

17.-19.9.08 Cooperative communicative signals : participants Dr. S. Pika, Univ. Manchester, Dr. N. Giret, Univ. Paris X Nanterre, Dr. C. Schloegl and Dr. G. Gaydon, Univ Vienna

Participation at ESF-funded (CompCog) Discussion meeting on 'Association and mentalizing' at MPI Leipzig, organized by Dr. J. Call

DynCoopNet:

MUKHERJEE, Rila, Recipient of start up grant vide VC's orders to set up a digital resource centre on Indian Ocean studies to be housed in Dept. of History, Hyderabad Central University . The amount with capital goods, fast internet connection, furniture and space amounts to around 10 000 Euros. This centre will seek to work with the Centre for the Study of Indian Diaspora and the Centre of Tibetan Studies in the future to study global migratory flows and environmental changes.

POLÓNIA, Amélia - Conception, author and scientific supervisor of CEDOPORMAR (Documental Centre of Portuguese Northern Seaports in the Early Modern Age (Vila do Conde Town council), available at

http://www.cm-viladoconde.pt/cidadeconcelho/historiapatrimonio/patrimonio/movel/quinhentistas/cen_quinhentista.htm,

POLÓNIA, Amélia - Supervisor of the virtual medieval documental centre available at <http://www.castelodafeira.pt/jetspeed/>

Funding Proposals / Projects or subproject in relation to DynCoopNet Network:

BERNABÉ POVEDA, Miguel Ángel, E-Content Plus. 2005-CULT-038042. "Discovering our Past World with Digitised Maps". (DIGMAP). Oct /2006 to Dec /2008. <http://www.digmap.eu>.

Participants: UPM, IST, BN, KBR, BncF, NLE, IMI

Responsible: José Borbinha (IST. Portugal).

Spanish responsible: M.A. Bernabé (**)

BERNABÉ POVEDA, M.A, Complementary Action for the TECT Project "Dynamic Complexity of Cooperation-Based Self-Organizing Commercial Networks in the First Global Age". National Plan R&D (2008-2011). Ministry of Science and Innovation. From Oct. 2008 to Sep. 2010.

BERNABÉ POVEDA, M.A, National Plan R&D (2008-2011). "CartoVIRTUAL: Cartoteca Nacional Histórica Virtual", From Jan. 2009 to Dec 2011. Ministry of Science and Innovation (Spain). Participants: UPM Biblioteca Nacional + Instituto Cartográfico de Cataluña + Museo Naval.

CRESPO SOLANA, Ana, "*Naciones y Comunidades: perspectivas comparadas en la Europa Atlántica (1650-1830)*" Acrónimo: (NACOM (I) /Nations and Communities: Comparative Perspectives in Atlantic Europe (1650-1830)", Ministerio de Educación y Ciencia, Plan Nacional I+D (HUM-2006- 01679/) (2006- 2009, (**)

CRESPO SOLANA, Ana, BERNABÉ POVEDA, Miguel Ángel, ALONSO GARCÍA, David, ALVAREZ NOGAL Carlos, Project in the Research Network: "*Sólo Madrid es Corte. La construcción de la Corte de la Monarquía Católica (siglos XVII- XVIII)*". Comunidad de Madrid. Programa MacroGrupos de la CAM. Red de Investigación. (Reginal Government of Madrid, Spain) (2008- 2012) CAM HUM 2007-0425. Red "Solo Madrid es Corte"

<http://www.iulce.es>, Participants: UAM + CSIC + UPM, Responsable: José M. Millán (UAM)

(**)

CRESPO SOLANA, Ana Participation in the Project: "*Dutch Atlantic Connections, 1680-1795*". (NUFFIC, Dutch Government, ING.) (2008- 2013). Coordinated by: Prof. Gert Oostindie, Koninklijke Instituut voor Taal, Land en Volkenkonden, Universiteit Leiden, Países Bajos, Prof. Karel Davis (Vrije Universiteit Amsterdam), Prof. Femme Gastar (Universiteit Leiden), Prof. Henk Den Heijer (Universiteit Leiden), Países Bajos. Ana Crespo is member of Scientific Commission and researcher in the group of Gert

Oostindie about: *"The circulation of Peoples, goods and ideas in the Atlantic"*.

CRESPO SOLANA, Ana, *"Redes Dinámicas de Cooperación: Bases de Datos para el uso de la Herramienta SIG en el estudio de las redes mercantiles entre Europa y el Caribe (1670-1778)"* Proyecto Intramural Especial, Referencia: 200810I007. Special Funding by the making of the Geo- Database, by Consejo Superior de Investigaciones Científicas (2008- 2009). (**)

CRESPO SOLANA, Ana, Acción Complementaria (I+D+i 2008) para Proyecto TECT "Dynamic Complexity of Cooperation-Based Self-Organizing Commercial Networks in the First Global Age". Plan Nacional de I+D I. Ministerio de Ciencia e Innovación (2007-2010) SEJ2007-29226-E/SOCI (**)

OWENS, J.B. (PI, Project Leader, and Principal Author) "Understanding social networks within complex, nonlinear systems: geographically-integrated history and dynamics GIS" [acronym: SOCNET]. Funding proposal submitted to the U. S. National Science Foundation's Cyber-Enabled Discovery and Innovation (CDI) initiative. Collaborative research project, 2009-2013, with Idaho State University, USA, as the lead institution (\$1,290,704; OCI-0941371), with a linked proposal submitted by May Yuan, University of Oklahoma, USA (\$471,193; OCI-0941501). [This project, which involves several TECT APs and CPs, will continue the development of one of the most prominent lines of DynCoopNet research.] (**)

OWENS, J.B. (Co-PI and co-author) "Geographies of Human-Environment Interactions in Compared Grazing Landscapes: Historical Case Studies from the United States, Mongolia, and Spain (GeoHist)." Funding proposal submitted to the Geography and Regional Science division of the U. S. National Science Foundation (NSF), January 2008. Not funded. [The project constituted an extension of cooperation research in the « Tragedy of the Commons » area.]

OWENS, J.B. Earlier version of the above proposal : "Rangeland Dynamics within Coupled Human-Environment Systems at Three of World History's Great Grazing Regions." Submitted in January 2007 to the National Science Foundation (NSF). Co-PI with Kevin Marsh, Laura Woodworth-Ney, Keith Weber and others from the GIS Center, and Inma Alados, director, Pyrenean Institute of Ecology, Spain. Owens wrote the section about public policy and livestock grazing in the Ebro River Valley of Aragon (Spain) and helped shape several other sections. The proposal was not funded although it received several excellent reviews.

OWENS, J.B. Funding proposal to the ISU Faculty Research Committee (FRC), "Merchant behavior and network interruptions in 18th-century Atlantic trade"; March 2008; requested \$5,000 (not funded).

OWENS, J.B. Proposal to ISU's Research Coordinating Council, "Knowledge Networking: Cyber-Enabled Discovery and Innovation (CDI)," for a one course (three credits) release during the fall 2008 semester in order to write a funding proposal for the National Science Foundation program Cyber-Enabled Discovery and Innovation (CDI); submitted 3 March 2008 (funded). A similar proposal was also submitted to the University Research Committee, but because the one-course release was obtained from the RCC, the URC proposal was not funded.

OWENS, J.B. "Cooperation in Commercial Relationships". Submitted to the ISU Faculty Research Committee, November 2007; requested \$5,000; not funded.

OWENS, J.B. "Cooperation-based Commercial Networks for Slaves and Sugar in the First Global Age, 1400-1800". Submitted to the ISU Humanities/Social Sciences Research Committee, November 2007; requested \$24,000; not funded.

OWENS, J.B. (PI, Project Leader, and Principal Author) "Understanding social networks within complex,

nonlinear systems: geographically-integrated history and dynamics GIS" [acronym: SOcNET]. Funding proposal submitted to the U. S. National Science Foundation's Cyber-Enabled Discovery and Innovation (CDI) initiative. (requested approximately \$1.7 million for four years, 2010-2014); preliminary proposal submitted 5 December 2008; after review, invited to the full proposal stage, 13 April 2009; full proposal submitted, 20 May 2009. Collaborative research project with Idaho State University, USA, as the lead institution, with a linked proposal submitted by May Yuan, University of Oklahoma, USA. [If funded, this project, which involves several TECT APs and CPs, will continue the development of one of the most prominent lines of DynCoopNet research.] (**)

OWENS, J.B. (Co-PI and co-author) "Geographies of Human-Environment Interactions in Compared Grazing Landscapes: Historical Case Studies from the United States, Mongolia, and Spain (GeoHist)." Funding proposal submitted to the Geography and Regional Science division of the U. S. National Science Foundation (NSF), January 2008. Not funded. [The project constituted an extension of cooperation research in the « Tragedy of the Commons » area.] (**)

OWENS, J.B. Earlier version of the above proposal: "Rangeland Dynamics within Coupled Human-Environment Systems at Three of World History's Great Grazing Regions." Submitted in January 2007 to the National Science Foundation (NSF). Co-PI with Kevin Marsh, Laura Woodworth-Ney, Keith Weber and others from the GIS Center, and Inma Alados, director, Pyrenean Institute of Ecology, Spain. Owens wrote the section about public policy and livestock grazing in the Ebro River Valley of Aragon (Spain) and helped shape several other sections. The proposal was not funded although it received several excellent reviews. (**)

OWENS, J.B. Funding proposal to the ISU Faculty Research Committee (FRC), "Merchant behavior and network interruptions in 18th-century Atlantic trade"; March 2008; requested \$5,000 (not funded). (**)

OWENS, J.B. Proposal to ISU's Research Coordinating Council, "Knowledge Networking: Cyber-Enabled Discovery and Innovation (CDI)," for a one course (three credits) release during the fall 2008 semester in order to write a funding proposal for the National Science Foundation program Cyber-Enabled Discovery and Innovation (CDI); submitted 3 March 2008 (funded). A similar proposal was also submitted to the University Research Committee, but because the one-course release was obtained from the RCC, the URC proposal was not funded. (**)

OWENS, J.B. "Cooperation in Commercial Relationships". Submitted to the ISU Faculty Research Committee, November 2007; requested \$5,000; not funded. (**)

OWENS, J.B. "Cooperation-based Commercial Networks for Slaves and Sugar in the First Global Age, 1400-1800". Submitted to the ISU Humanities/Social Sciences Research Committee, November 2007; requested \$24,000; not funded. (**)

POLÓNIA, Amélia; PINTO, Sara; RIBEIRO, Ana – Research members of the Project Proposal headed by Jorge M. Pacheco - " Evolutionary Mechanisms of Self- organized Cooperation" , submitted to FCT (PTDC/CS-ANT/116238/2009