

EUROPEAN
SCIENCE
FOUNDATION

SETTING SCIENCE AGENDAS FOR EUROPE

The Evolution of Cooperation and Trading (TECT)

An **ESF EUROCORES** (EUROpean COllaborative
RESearch) programme

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ESF
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Part one: About the European Science Foundation (ESF)



ESF Member Organisations



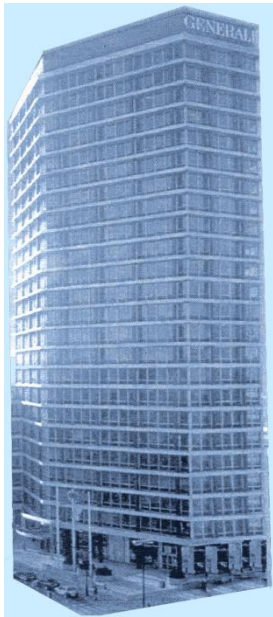
ESF is an independent association of 79 Member Organisations

- research funding organisations
- research performing organisations
- academies and learned societies

in 30 countries

About ESF

- Established 1974
- Independent, non-governmental
- Offices in Strasbourg, Bruxelles and Oostende
- Budget: 50M€
- Networking Budget: 1-3B€
- Covering all research domains



Mission

To provide a common platform for our Member Organisations in order to:

- » Advance European research
- » Explore new directions for research at the European level

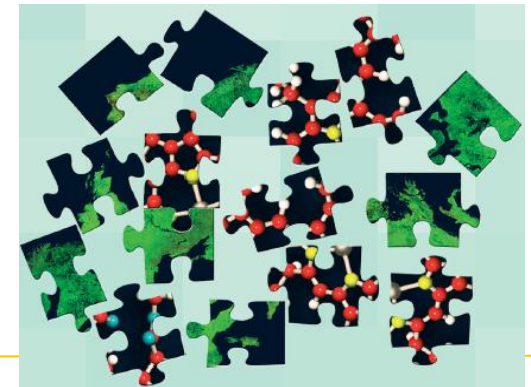


Through our activities, we serve the needs of the European research community in a global context.

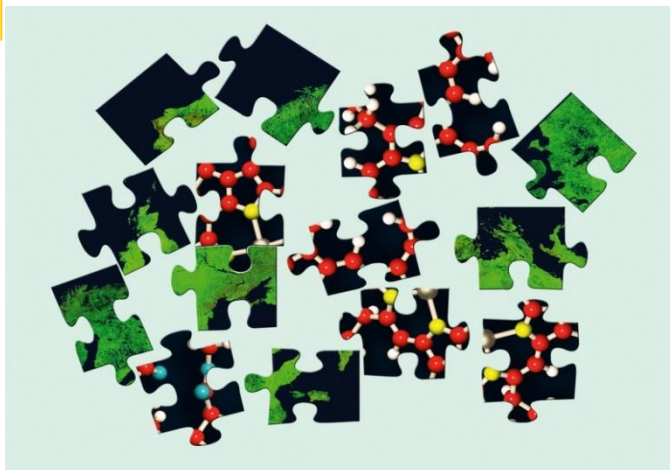


Part two: About EUROCORES

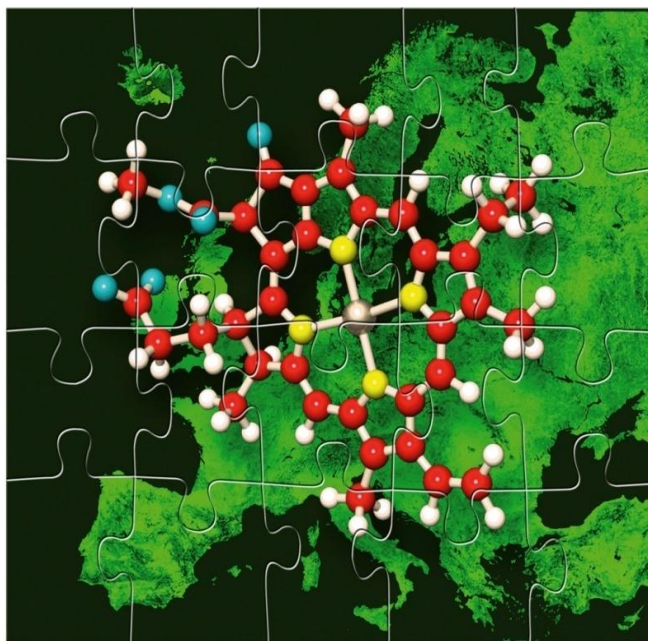
European Collaborative Research programmes



fragmented
research strengths



new, integrated
knowledge



EUROCORES Vision

Responsive mode

- Bottom-up, researcher-led identification of themes
- Consultation with funders
- Combines researcher's needs and strategic priorities

Funding agencies join forces to support cutting edge trans-disciplinary, trans-national collaborative research; multi-perspective on complex / broad questions

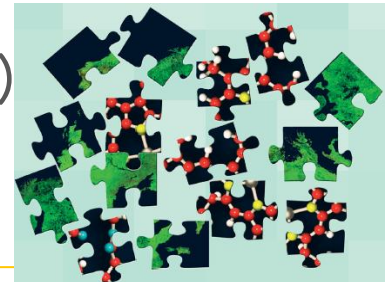
Create critical mass in a global context:
New approaches,
new collaborations, new
knowledge

EUROCORES - Main Features

- Multi-national research projects (research groups from at least 3 different participating countries)
- International competition
- Funding remains national
- ESF ensures quality control
- Provides flexible framework for collaboration of national funding agencies
- Investigator driven

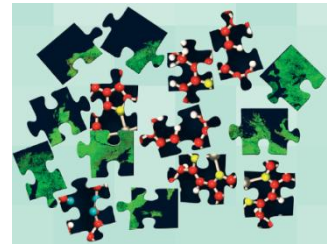
A Eurocores programme typically involves

- 10-15 participating countries (TECT 8)
- a research budget of ca. 5 M€ (TECT 3.5 M€)
- a running time of 3 years



EUROCORES - Where are we now?

- Ca. 200 programme proposals submitted
- Ca. 40 programmes selected
- Ca. 8.000 applications of Collaborative Research teams (CRPs)
- Ca. 200 M€ funding
- Ca. 70 funding organisations from ca. 35 countries, within and outside Europe



Part three: About TECT

(The Evolution of Cooperation and Trading)



The Evolution of Cooperation and Trading (TECT)

The TECT programme focuses on strategies and methods designed by very different agents - from bacteria to multinational alliances of humans - to solve the same recurring dilemmas. Projects under TECT are united around one main goal: to highlight the evolutionary continuity of cooperation, both genetic and cultural, and to make this continuity an object of study in its own right. To this end, experts from very different backgrounds are brought together to encourage a cross-fertilisation across disciplines, traditions and methodologies.

Running time: July 2007 – September 2010



Collaborative Research Projects (CRPs)

Cooperation in mutualisms: contracts, markets, space, and dispersal (BIOCONTRACT)

6 national projects (AT, FR, HU, PT, UK, US)
PL: Prof. Naomi Pierce, Harvard University, US

Cooperation in corvids (COCOR)

6 national projects (AT, ES, FR, IT, NL, UK)
PL: Prof. Ronald Noë, Université Louis Pasteur, Strasbourg, France

Dynamic Complexity of Cooperation-Based Self-Organizing Networks in the First Global Age (DynCoopNet)

19 national projects (AU, DK, ES, IL, IN, MZ, PT, SE, US)
PL: Dr. Ana Crespo Solana, CCHS-High Spanish Council of Research, Spain

Sustaining eco-economic norms for a sustainable environment (SENSE)

3 national projects (AT, NL, US)
PL: Prof. Simon A. Levin, Princeton University, US

The Social and Mental Dynamics of Cooperation (SOCCOP)

10 national projects (CH, ES, FR, HU, IT, UK, US)
PL: Prof. Herbert Gintis, Central European University, Budapest



Participating funding organizations



Netherlands Organisation for Scientific Research



FCT Fundação para a Ciência e a Tecnologia

MINISTÉRIO DA CIÊNCIA, TECNOLOGIA E ENSINO SUPERIOR



Der Wissenschaftsfonds.



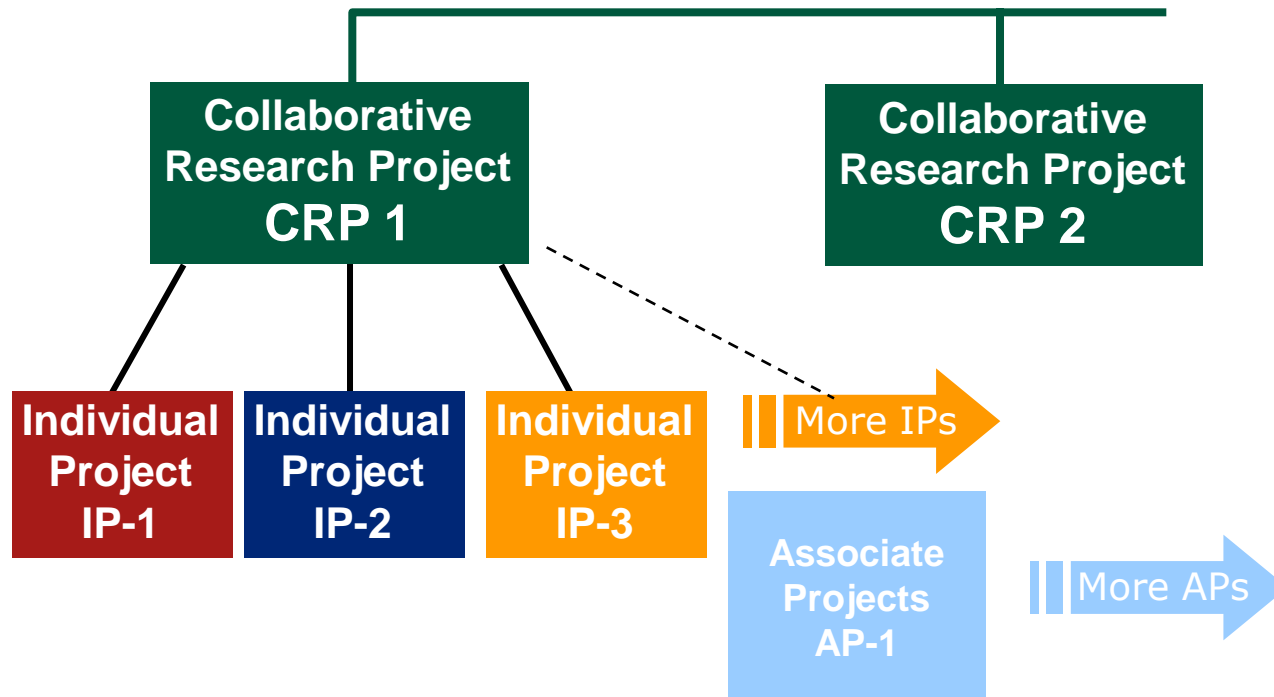
EUROCORES - Networking

Aim:

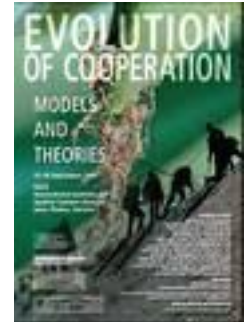
- Enhance existing collaborations;
- Identify new and strategic partnership opportunities;
- Explore aspects of the programme which are not covered by the funded projects



EUROCORES Programme



TECT– Examples cross-CRP Activities (programme wide)



TECT Launch Conference

4-7 July 2007, Budapest, Hungary

Workshop "Visualisation and Space-Time Representation of Dynamic, Non-linear, Spatial Data"

25-26 September 2008, Madrid, Spain

Strategic Symposium "Money, Altruism and Genes: Exploring the Genetic Basis of Cooperative and Commercial Behaviours"

20-23 November 2008, Barcelona, Spain

Workshop "Evolution of Cooperation Models and Theories"

15-18 September 2009, Laxenburg, Austria

TECT Final Conference

15-17 September 2010, Budapest, Hungary



TECT– Examples cross-CRP Activities (workshops)



"Studying Challenges of the Global Commons"

5-7 September 2007, Stockholm, Sweden

"Towards a Unifying Theory of Cooperation and Mutualism"

8-11 January 2008, Oeiras, Portugal

"Trust, Reputation, Defectors, and Sustaining Social Norms"

26-29 March 2008, Porto, Portugal

"The Social and Psychological Dynamics of Cooperation and Punishment"

25-27 April 2008, Barcelona, Spain

"Mutualism: Plants and the Evolution of Cooperation and Trading"

7-9 May 2009, Harvard University, Cambridge, USA



TECT- Examples cross-CRP Activities (summer schools)

Summer School "Tools of the Trade in Cooperation Research"

30 August - 6 September 2008, Obernai, France

Final TECT-INCORE Summer School "Cooperators since life began"

11-15 September 2010, Dobogókö, Hungary



TECT Final Conference



From the programme booklet:

“The TECT Final Conference brings the TECT community together after three years of intensive research collaborations. The conference is scheduled around five thematic sessions, each organized by one of the five TECT CRPs. In between, five key-note speakers will bring in a wider perspective, either from within or outside the TECT programme.

The conference has attracted 85 participants from research fields as diverse as AI, biology, economics, history, mathematics, political science, psychology and sociology. The conference offers ample opportunities for (in)formal discussions to not only reflect upon the past but also to explore the future – without forgetting to enjoy the present.”

Wishing you a successful meeting!

www.esf.org

TECT Final Conference, Budapest, 15-17 September 2010





www.esf.org/tect

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