

RESCUE Stakeholders Conference



RESCUE Stakeholders Conference (16-17 May 2011)



Inputs from the RESCUE Working Groups & Task Force
“Collaboration”



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RESCUE WG/TF inputs (1/9)

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Mission

- ✓ Address as a WG, 10 questions related to collaboration and formulate these as a new model framework for decision makers and programme officers to further develop and follow

These dealt with:

- ✓ Practice (what is it, are we doing, need to do?)
- ✓ Programming (How and what to fund)
- ✓ Balance (Between classical mono-disciplines and scalars involved)
- ✓ (as well as definitions!)

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RESCUE WG/TF inputs (2/9)

Challenges

- ✓ How to investigate the 10 questions and formulate them into one robust model for further work
- ✓ Formulating actionable recommendations

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RESCUE WG/TF inputs (3/9)

Context and Rationale

European and International contexts

- ✓ Better support of current efforts in fields and markets requiring interdisciplinary collaboration such as renewable energy will lead to new opportunities

Rationale

- ✓ Interdisciplinarity, translational research and other types of collaboration between the natural, social and human sciences have worked very successfully in some fields
- ✓ *Effort especially as it relates to radically-interdisciplinary collaboration between human, social, natural and technical sciences in global change research is urgent*

Vision

- Integration of knowledge in the knowledge – innovation triangle (Research (knowledge production), Education and Innovation)
- Scientists have a critical responsibility to *collaborate* openly in knowledge co-production with all other stakeholders and can do so in a variety of ways across the knowledge innovation triangle
- A radically interdisciplinary and transdisciplinary environment (RITE) needs to be further developed and supported
- Without compromising monodisciplinary excellence

Proposed Responses / Solutions

- *The RITE framework* provides a translational research strategy/model for global change research
- The translational research model is already used in medicine to achieve the same results as medical science does for patients
- Within RITE, it means that the Earth is the patient that should be kept healthy and not just healed
- The RITE framework is an invitation to all disciplines and domains to collaborate in a fully-rounded and integrated view of environment and its place in nature and society

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Proposed Responses / Solutions

cost

RESCUE WG/TF inputs (6/9)

We need a convergence of Reference Systems

Implementing a radically interdisciplinary and transdisciplinary environment (RITE) will help develop this convergence of Reference Systems

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Recommendations & Roadmap

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RESCUE WG/TF inputs (7/9)

- **Research designed to inform decision-making in an era of global change should consider trajectories that exceed short-term questions, and provide robust frameworks for decision making under different future scenarios**
- **While monodisciplinary research is still essential, much more interdisciplinary and transdisciplinary research are needed**
- **A focus on developing career paths for interdisciplinary and transdisciplinary researchers in an open knowledge system is needed**
- **RITE needs further research and development**

Recommendations & Roadmap

- It is *vitaly important to document the implications and repercussions of environmental change in broad empirical contexts* (e.g., agriculture, fisheries, cities, rural communities) in different parts of the world
- It is time to *establish a joint European front for interdisciplinary and transdisciplinary environmental research*, whose impact would be felt both throughout the continent and globally
- The Road map as presented in the report is actionable and clear the field and the Earth will benefit and the roadmap should be enacted now

Overall Contribution to RESCUE

- Commission a pan-European mapping study of interdisciplinary research and education together with a pan-European inventory of strength in underlying single disciplines contributing to global change research
- The report of RESCUE Collaboration frames the need for this mapping study - Timescale: 2012 – 2014
- Provide support and incentives for interdisciplinarity in research design
 - This could include, for example, strategic “meeting places” such as the UK “sandbox meeting model” between disciplines and calls for proposals that require joint framing of research questions - Time: ASAP



WG Membership and Support

Virtual contributors to WG2:

- **Ambassador HE Prof. Joergen Oerstroem Moeller**
- **Prof. Aksel Walløe Hansen**
- **Prof. Sten Struwe**
- **Prof. Petri Tapio**

Contributors from other RESCUE WG

- **Dr. Sarah Cornell**
- **Prof. Keith Richards**

ESF and COST observers

- **Prof. Ole John Nielsen**
- **Dr. Ipek Erzi**
- **Anonymous Reviewers**
- **Feedback from Stakeholders**

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