

ESF MO Forum on Scientific Foresight for Joint Strategy *3rd Workshop*

Setting the Scene

Laura Marin

Member Relations – Corporate Strategy

European Science Foundation

Paris 17 January 2012

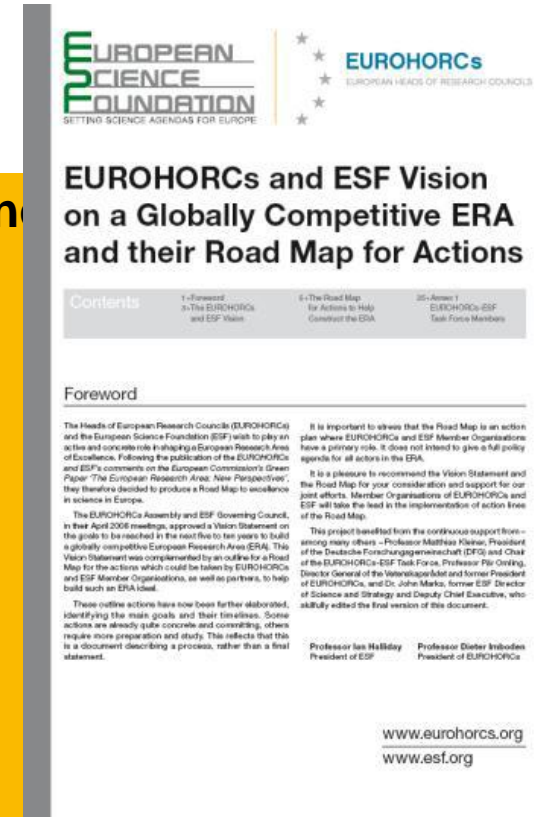


ESF Member Organisation Fora & the ERA Road Map Actions

Science Policy and Strategy

- *Published in 2009*
- *10 Actions:*

1. strengthen the **relations** between **science, society and the private sector**
2. promote **European research careers**
3. develop **scientific foresight** for **joint strategy**
4. create a **European Grant Union**
5. address **peer review** of proposals
6. develop common approaches to **ex-post evaluation**
7. create **ERA Connect** and **Regional Clusters of Excellence**
8. develop shared funding and exploitation of **research infrastructure**
9. implement common policy on **Open Access**
10. connect **European research to the world**





ESF Member Organisation Fora & the Road Map Actions



The EUROHORCs and ESF Vision on a Globally competitive ERA and their Road Map for Actions	ESF MO Fora on...
1. Strengthen the relations between science, society and the private sector	Science in Society Relationships
	Research Integrity
2. Promote European research careers	European Alliance on Research Career Development
3. Develop scientific foresight for joint strategy	Scientific Foresight for Joint Strategy Development
5. Address peer review of proposals	Peer Review
6. Develop common approaches to ex-post evaluation	Evaluation of Publicly Funded Research
	Evaluation: Indicators of Internationalisation
8. Develop shared funding and exploitation of research infrastructure	Research Infrastructures

ESF Member Organisation Fora: committees to address the Roadmap actions

- Output-oriented discussion platforms for Member Organisations to develop joint actions on specific issues, involving others as appropriate
- To contribute to strategy development and/or lead to the development of
 - Good practice
 - Common procedures
 - Joint activities
- Recent results:
 - European Code of Conduct for Research Integrity
 - European Peer Review Guide
 - Research Careers in Europe Landscape and Horizons



► www.esf.org/mo-fora



MO Forum on *Science Foresight for Joint Strategy Development (Action N° 3)*

Aim

- To become a platform for ESF Member Organisations (MOs) in developing Joint Strategies (research perspectives and strategic visions in scientific fields with pan-European importance) in Europe through Science Foresight.

Rationale of the need for a Joint strategy (common scientific strategy and vision):

- For national research organisations level (strategic plans, vision documents...)
 - Exchange of views before finalisation of strategic plans
- At intergovernmental level
 - Preparation of Strategic Research Agendas for the Joint Programming Initiatives
- At the European level
 - Joint Programmatic activities (e.g. JTIs , joint research infrastructures...)

Objectives

1. To outline the specific characteristics (e.g. principles, criteria) of science foresight.
2. To map and identify good practices for science foresight (e.g. through publishers, scientific associations, MOs, other international institutions).
3. To identify the needs and gaps of science foresight at the European level
4. To identify the required tools, methodologies and data needed (in collaboration with the MO Forum on Evaluation of Publicly Funded Research).
5. To identify mechanisms to engage and motivate the best scientists in the respective research field.
6. To propose appropriate joint foresight processes/framework in science.

Outcome: Recommendations to ESF Member Organisations, ESF and ScienceEurope



MO FORUM FS - Structure

Title: ESF MO MO Forum on Science Foresight for Joint Strategy Development

Co-Chairs:

- Karel Aim (ASCR, Czech Republic)
- Andreas Trepte (MPG, Germany)
- Jenny Nordquist (VR, Sweden)
- *TBD (Inserm, France)*

Organisation:

The Forum is currently composed of 20 MOs and 1 Observer.

Current Timeline:

August 2010 – August 2012



MO FORUM FS - Members

Country	Organisation	Contact Person
1 Belgium	Research Foundation – Flanders (FWO)	Hans Willems
2 Czech Republic	Academy of Sciences of the Czech Republic (ASCR)	Karel Aim
3 Finland	The Academy of Finland	Paavo-Petri Ahonen
4 France	National Centre for Scientific Research (CNRS)	Charles Hirlimann
5 France	National Institute for Agricultural Research (INRA)	Isabelle Albouy
6 France	Institut National de la Santé et de la Recherche Médicale (Inserm)	Thierry Damerval
7 Germany	Max-Planck-Society	Andreas Trepte Christoph Ettl
8 Ireland	Irish Research Council for Sciences, Engineering and Technology (IRCSET)	Helena Acheson
9 Ireland	Science Foundation Ireland (SFI)	Stephen Simpson
10 Italy	National Research Council (CNR)	Anna d’Amato
11 Lithuania	Research Council of Lithuania	Aiste Vilkanauskyte
12 Norway	Research Council of Norway	Ellen Veie
13 Poland	Polish Academy of Sciences (PAN)	Jacek Kuciński
14 Spain	Council for Scientific Research (CSIC)	Juan José Damborenea
15 Sweden	Swedish Council for Working Life and Social Research (FAS)	Erland Hjelmquist
16 Sweden	Swedish Council for Environment, Agricultural Sciences and Spatial Planning (FORMAS)	Hans-Örjan Nohrstedt
17 Sweden	Swedish Research Council (VR)	Jenny Nordquist
18 Switzerland	Swiss Academies of Arts and Sciences	Stefan Nussbaum
19 Turkey	The Scientific and Technological Research Council of Turkey (TUBITAK)	Serhat Çakir
20 Germany	German Research Foundation (DFG)	Daniel Bovelet

Country	OBSERVER	Contact Person
1 Netherlands	Netherlands Organisation for Scientific Research (NWO)	Cynthia W.A. Naus

MO FORUM FS - Activities

- 1st Workshop on 28-29 September 2010 in Darmstadt, Germany.
- 2nd Workshop 19-20 January 2011 in Madrid, hosted by CSIC.
- Poster presentation at the 4th International Seville Conference on Future-Oriented Technology Analysis (FTA) by the JRC-IPTS in Seville on 12-13 May 2011.
- Presentation at the workshop Foresight in public research organisations by the Austrian Institute of Technology, the Cemagref, and the French Embassy in Vienna/Institut Français de Vienne in Vienna on 7-8 June 2011.
- The 1st Steering Committee meeting 21 September 2011 in Paris, hosted by INSERM.
- Survey running October-November 2011



MO FORUM FS - Activities

- 2nd Steering Committee meeting 02 December 2011 in Munich, hosted by MPG
- Survey Analysis Results
- Starting the draft the Forum's Recommendations framework
- 3rd Workshop 19-20 January 2012 in Paris, hosted by INSERM

Foresight in Science

- Foresight in science is normally used to understand the potential of a specific domain not to set priorities between them
- Many of the new policy initiatives and instruments at European level need foresight

Science Foresight

A "Foresight" can be defined as systematic, participatory, intelligence gathering and medium to long-term vision-building process, aimed at guiding present-day decisions.

Foresight contributes to the early identification of emerging issues that could have far reaching implications for European Science and technology in the long run and to building stakeholder commitment to action. It helps analysis of changes in global research and innovation systems and the socio-economic context in which they operate.



Objectives of the meeting:

1. Plan next steps and concrete actions to prepare the Forum's recommendations
2. Identify the elements of the Survey results that can feed the Forum's recommendations
3. Agree on definitions and concepts
4. Develop the structure / framework of the recommendations
5. Start to identify / draft the recommendations at the 4 levels
6. Plan any other agreed actions



MO FORUM FS - Workshop Outline

DAY 1

- First part presentations covering the MO Forum's 3 objectives 1)*Science Foresight Characteristics* 2)*Mapping Good Practices* 3)*Identifying Needs and Gaps*
 - Gather elements for recommendations

DAY 2

- Second part on more concrete recommendations regarding the 4 Levels 1)*Scientific Questions* 2)*State of the Art* 3)*Scientists* 4)*Implementation*
 - Gather elements for recommendations
 - Develop structure
- Third identify next steps and actions



MO Forum's Recommendations Framework

HOW TO DEVELOP RECOMMENDATIONS? GUIDELINES FOR THE WORKSHOP

1. Scientific Questions (how to identify the themes with overarching scientific relevance for Europe)
2. State of the art (how to develop tools to analyse the input and output data; identification of data sources; development of performance indicators and impact assessment, among others. E.g. use of Scopus and Web of Science)
3. Scientists (how to attract prestigious scientists in the respective research field to foresight exercises)
4. Implementation (how to identify requirements and ensure that the recommendations will meet the requirements and expectations of the research councils)

More information at

www.esf.org/activites/mo-fora

<http://www.esf.org/activities/mo-fora/esf-member-organisation-forum-on-scientific-foresight-for-joint-strategy-development.html>