



**ESF Member Organisation Forum on  
Scientific Foresight for Joint Strategy Development**

**Day 1: ESF Positioning regarding Foresight Activities**

Dr. Carole Moquin-Patthey

Head of Corporate Science Strategy Development Unit (ESF)

**Madrid – 19 January 2011**

# Outline

1. State of the art
2. Main outputs
3. General expected results
4. Links with key stakeholders
5. Links with other Fora
6. Challenges ahead

## 1. State of the art

- ESF Track Record in Science Foresight Activities (since 2001)
- ESF EUROHORCs Road Map 10 actions

# EUROHORCs and ESF Vision On a Globally Competitive ERA and their Road Map for Actions

## EUROHORCs and ESF Vision on a Globally Competitive ERA and their Road Map for Actions

Contents

- 1. About the EUROHORCs and ESF Vision
- 2. The Road Map for Research Governance
- 3. About EUROHORCs and ESF Vision

**Foreword**

The Heads of European Research Councils (EUROHORCs) and the European Science Foundation (ESF) have published a vision for a globally competitive ERA and a road map for actions to achieve it. This vision is the result of a process of consultation and collaboration between the Heads of Research Councils and the ESF, which is a unique and unprecedented effort in Europe.

The EUROHORCs and the ESF have agreed to work together in the spirit of the vision and to develop a joint strategy for the ERA. This strategy will be developed in the coming months and will be the basis for the implementation of the vision.

The vision is a shared vision and it is the responsibility of all of us to make it a reality. We are confident that the vision will be achieved and that it will lead to a more competitive and innovative ERA.

Professor Jan Hoffmeyer  
President of ESF

Professor Christa Lindner  
President of EUROHORCs

[www.eurohorcs.org](http://www.eurohorcs.org)  
[www.esf.org](http://www.esf.org)

10 Actions ...	mandated to	Lead Organisations
1. Strengthen the relations between <b>science, society</b> and the <b>private sector</b>		CNRS (FR) Society MRC (UK) Private Sector
2. Promote <b>research careers and mobility</b> Contact Person for EUROHORCs:		Nüket Yetis (collaboration with ESF and ERAB)
3. Develop <b>scientific foresight</b> and use its results as basis for joint strategy development		ESF (FR)
4. Create a <b>European Grant Union</b>		DFG (DE)
5. Address <b>peer review</b> of proposals at the European level		ESF (FR)
6. Develop common approaches to <b>ex post evaluation</b> of funding schemes and research programmes		MRC (UK)
7. Create <b>ERA Connect</b> and <b>Regional Clusters of Excellence</b> to shape collaboration between research performing organisations and other research institutions		MPG (DE)
8. Develop shared funding and exploitation of <b>research infrastructures</b>		DFG (DE)
9. Implement a common policy on <b>Open Access</b> to research results and <b>Permanent Access</b> to research data		MPG (DE)
10. Connect European research to the <b>World</b>		VR (SE)

## ESF Forward Looks 2006-2010

<b>Starting Year</b>	<b>Title (Acronym)</b>
2006	European Food Systems in a Changing World
2006	European Computational Science Forum: The Lincei Initiative: from Computers to Scientific Excellence
2006	Higher Education in Europe Beyond 2010: Resolving Conflicting Social and Economic Expectations (HELF)
2007	Investigator-Driven Clinical Trials (IDCT)
2007	RNA World: a new frontier in biomedical research
2007	Security – Advancing a Framework for Enquiry (SAFE)
2008	Implementation of Medical Research into Clinical Practice – A Growing Challenge (FLIP)
2008	Ageing, Health and Pensions in Europe (AGE)
2009	Technology breakthroughs for scientific progress (TECHBREAK)

## ESF Forward Looks 2006-2010

Starting Year	Title (Acronym)
2009	Responses to Environmental and Societal Challenges for our Unstable Earth (RESCUE)
2009	Mathematics and Industry in Europe
2009	NuPECC Long Rang Plan 2010 (NuPECC LRP)
2010	Gene Environment Interaction in Chronic Disease (GENESIS)
2010	Central and Eastern Europe beyond Transition: Convergence and Divergence in Europe (CEE)
2010	Personalised Medicine
2010	Foresight activity on research in quantum information science and European strategy development (FARQUEST)

# Outline

1. State of the art
2. Main outputs
3. General expected results
4. Links with key stakeholders
5. Links with other Fora
6. Challenges ahead

# ESF Forward Looks 2006-2010

Year	EMRC	LESC	PESC	SCH	SCSS	EB&Cs	Total FL Running
2006	<u>SYSBI</u> FOOD	<u>SYSBI</u> <u>FOOD</u> LINCEI	<u>SYSBI</u> <u>LINCEI</u>	FOOD HELFF	<u>FOOD</u> <u>HELFF</u>		4
2007	<u>SYSBI*</u> FOOD <u>IDCT</u> <u>RNA World</u>	<u>SYSBI*</u> <u>FOOD</u> LINCEI RNA World	<u>SYSBI*</u> <u>LINCEI</u>	HELFF FOOD <u>SAFE</u>	<u>HELFF</u> FOOD SAFE		7
2008	FOOD <u>IDCT</u> <u>RNA World</u> <u>FLIP</u> AGE	<u>FOOD</u> LINCEI RNA World	<u>LINCEI</u>	FOOD HELFF* <u>SAFE</u>	<u>FOOD</u> <u>HELFF*</u> SAFE <u>AGE</u>		8



# ESF Forward Looks 2006-2010

Year	EMRC	LESC	PESC	SCH	SCSS	EB&Cs	Total FL Running
2009	FOOD* IDCT* RNA World* AGE GENESIS FLIP	FOOD* LINCEI* RNA World  RESCUE	TECHBREAK LINCEI* NuPECC LRP  RESCUE Math & Industry	FOOD* SAFE  RESCUE	FOOD* SAFE  AGE RESCUE	TECHBREAK *  NuPECC LRP	12
2010	FLIP GENESIS  AGE*	RESCUE	TechBreak RESCUE Math & Industry NuPECC LRP	SAFE* RESCUE	SAFE* RESCUE CEE AGE*	TechBreak*  NuPECC LRP	9
Approved Sept. 2010	<i>Personalised Medicine</i>		<i>FARQUEST</i>				11
2011 in prep				<i>Space Road</i>  <i>Science in Society</i>	<i>Space Road</i>  <i>Science in Society</i>	<i>SpaceRoad</i>	<i>tbc</i>

## Recent examples of Impact at Policy Maker Level

### Publication launch events in 2010:

- Ageing, Health and Pensions in Europe (*26 November 2010, Brussels*)
  - **Làszló Andor, European Commissioner for Employment, Social Affairs and Inclusion**
  - **John Dalli, European Commissioner for Health and Consumer Policy**



- Mathematics and Industry (*2 December 2010, Brussels*)
  - **Antonio Tajani, Vice-President of the European Commission and Commissioner for Industry and Entrepreneurship**
  - **Dr Silvana Koch-Mehrin, Vice-President of the European Parliament.**
- NuPECC Long Range Plan (*9 December 2010, Brussels*)
  - **Dr. Beatrix Vierkorn-Rudolph, ESFRI**

# Outline

1. State of the art
2. Main outputs
3. General expected results
4. Links with key stakeholders
5. Links with other Fora
6. Challenges ahead

## 3. General expected results

### **Consensus**

There is a need to discuss science topics and research organisational issues independent from the official decision making process and that ESF is well positioned for organising such a forum.

Foresight exercises should address the needs of Governments, research funding and performing organisations and scientific community.

## 3. General expected results

### Actions

#### 1. Positioning

- Develop a joint strategy and determine the role of ESF
- Survey national foresight activities and identify how to influence the European ones
- Examine Research Funding vs. Research Performing organisations approaches to foresight

#### 2. Tools, methodologies and results

- Discuss the role of the scientific community
- Define tools and measures to ensure, attract and motivate top quality scientists
- Discuss the methodologies, performance indicators, process, marketing analysis, impact assessment/factors

#### 3. Capacities and needs

- Assemble knowledge of current practices among MOs and other relevant key players
- Discuss best practices of Forward Looks (FLs) to ensure that FLs have greater impact and improved quality
- Conduct a mapping exercise: actors, roles, levels, approaches

# Outline

1. State of the art
2. Main outputs
3. General expected results
4. Links with key stakeholders
5. Links with other Fora
6. Challenges ahead

## 4. Links with key stakeholders

### **1. Contacts established with**

US: National Academies, NIH, NSF, NYAS

Canada: National Research Councils, CIHR

Japan: Japan Science and Technology Agency (JST)

Member States: Fraunhofer (DE); CNAM, Futuris (FR); Manchester Institute of Innovation Research, Rand Europe (UK)

Europe: JRC-IPTS (Sevilla, ES) (e.g. request to submit abstract to 4<sup>th</sup> International Seville Conference on Future-Oriented Technology Analysis (FTA) 12 & 13 May 2010)

### **2. Invitation to contribute to the FC JPr produced by Groupe de Programmation Conjointe (GPC) and European Commission (EC)**

ESF High Level Working Group (HLWG) for Joint Programming Framework Conditions on Foresight in Science (FC JPr FS)

# Outline

1. State of the art
2. Main outputs
3. General expected results
4. Links with key stakeholders
5. Links with other Fora
6. Challenges ahead



## 5. Links with other Fora

MO Forum on Scientific Foresight should establish links with:

- **Most of the other MO Fora** since Foresight in Science is perceived as a precondition for joint collaboration in research
- MO Fora on **Evaluation** to propose indicators to be adopted for *ex post* impact assessment of corresponding measures and also for impact measure of ESF FL activities
- MO Forum on **Research Infrastructures** for the corresponding chapters of foresight studies

# Outline

1. State of the art
2. Main outputs
3. General expected results
4. Links with key stakeholders
5. Links with other Fora
6. Challenges ahead

## 6. Challenges ahead

- Develop a high impact activity that meets the needs and ambitions of the Member Organisations of ESF/EUROHORCs in light of the current discussions
- Develop a common voice for the scientific community in Europe
- Influence EC FP8 in identifying gaps for which European/International cooperation is needed by aligning the national strategic priorities in research organisational issues and science topics ... and this by end of 2011

# THANK YOU

Dr. Carole MOQUIN-PATTEY

Head of Corporate Science Strategy Development

[cmoquin-patthey@esf.org](mailto:cmoquin-patthey@esf.org)

+33 (0)3 88 76 71 73