



## **Eu-SPRI Forum**

### **Annual Report of activities for the period 1 September 2011- 31 December 2012**

The “European Forum for Studies of Policies for Research and Innovation”, Eu-SPRI Forum, aims to strengthen the vibrant but dispersed interdisciplinary community of researchers focusing on interdisciplinary dimensions related to policy and governance in the field of knowledge creation and innovation. Studies of Policies for Research and Innovation, SPRI is a growing research field since the 1960s, evolving at the encounter of economics, political science, sociology, Science and Technology Studies, STS, business administration, geography and history. The Eu-SPRI Forum was founded in Paris in June 2010 and has presently fifteen full members and one associate member.

## Organisation

The Eu-SPRI Forum is a not for profit association (French law) found in Paris in June 2010. Eu-SPRI Forum is funded by annual contributions of its members.

The Eu-SPRI Forum is governed by Assembly of its full members meeting once a year and is managed by an Executive Committee (elected for the period 2010- April 2013):

### Full members are:

- Université Paris-Est, Institut Francilien Recherche Innovation Société (IFRIS), founding member.
- Copenhagen Business School (CBS), founding member.
- University of Twente, Institute of Innovation and Governance Studies (IGS), founding member.
- Instituto de Gestión de la Innovación y el Conocimiento (INGENIO), Instituto de Políticas y Bienes Públicos (IPP), Instituto de Estudios Sociales Avanzados (IESA), CSIC, ), founding member.
- Universidad Autonoma de Madrid (UAM-Accenture Chair on Economics and Management of Innovation), founding member.
- Consiglio Nazionale delle Ricerche (CNR), CERIS Institute for Research on Firm and Growth, Rome, founding member.
- Politecnico di Milano, Dipartimento di Ingegneria Gestionale, founding member
- Consorzio Universitario in Ingegneria per la Qualità e l'Innovazione, QUINN, Pisa, founding member.
- AIT, Austrian Institute of Technology, founding member.
- CIRCLE, Lund University, Sweden, founding member.
- Manchester Institute of Innovation Research, MBS; University of Manchester, founding member.
- NIFU, Nordic Institute for Studies in Innovation, Research and Education, Norway (accepted on 27 October 2010), founding member.
- Fraunhofer Institute for Systems and Innovation Research, Karlsruhe, Germany, since academic year 2011/2012.
- VTT, Innovation Systems and Innovation Policy (in collaboration with) Helsinki Institute of Science and Technology Studies, HIST, since academic year 2011/2012.
- Innovation Studies, Copernicus Institute of Sustainable Development, Universiteit Utrecht, since academic year 2011/2012.

### Associate member is:

- Helsinki Institute of Science and Technology Studies (HIST) in collaboration with VTT, since academic year 2011/2012.

### General Assembly

The second General Assembly meeting was held in Karlsruhe on 11 June 2012.

### Executive Committee

President	Stefan Kuhlmann	University of Twente
Vice President	Emanuela Reale	CNR CERIS, Rome
	Susana Borrás	Copenhagen Business School
	Jakob Edler	Manchester Institute of Innovation Research, MBS; University of Manchester
	Philippe Larédo	IFRIS (Paris) and Manchester Institute of Innovation Research, MBS; University of Manchester
	Jordi Molas Gallart	INGENIO (CSIC-UPV)

The Executive Committee held 7 meetings in the period 1 September 2011- 31 December 2012.

**Eu-SPRI treasurer** is Philippe Larédo, IFRIS

**Eu-SPRI Forum Secretariat** is managed by Marjatta Kemppainen, University of Twente.

## Eu –SPRI Forum Activities

### Eu-SPRI Forum website

Web site was set up and published in May 2011 (<http://www.euspri-forum.eu/>).

### Eu-SPRI Forum List servers

EU-SPRI-NEWS was changed to the lists server for news items of general interest in October 2012.

Eu-SPRI-INFO a discussion list for Eu-SPRI Forum members only was launched in October 2012.

**Eu-SPRI poster and leaflet** were published during Karlsruhe conference on 12/13 June 2012 and they can be uploaded from <http://www.euspri-forum.eu/organisation/>

### Eu SPRI Forum Calls for proposals

The following calls were prepared by Executive committee:

- Early Career Research Conferences (ECC) for the period 2013/2014, published in November 2011, and in June 2012.
- Early Career Research Training Schools (ECS) for the period 2013/2014, published in November 2011.
- Annual conferences for the period 2014-2016, published in June 2012

### Eu-SPRI Forum Circulation awards

Selection committee consisted of 3 members: Kate Barker, Finn Hansson and Jordi Molas Gallart-INGENIO (CSIC-UPV).

Four calls for PhD circulation awards are published: in December 2011, in March, in June, and in September 2012. Eleven Eu-SPRI PhD circulation awards were granted (see annex 1 and for successful candidates at: [http://www.euspri-forum.eu/key\\_missions/](http://www.euspri-forum.eu/key_missions/))

### Early Career Research Training Schools (ECS)

- **PhD winter school ‘The Governance of Innovation: Expectations, Foresight and TA’** was organised by IGS and AIT on 15-17 March 2012 in Vienna, see annex 2 and [http://www.euspri-forum.eu/archives/ecs/ecs\\_march\\_2012/](http://www.euspri-forum.eu/archives/ecs/ecs_march_2012/).
- **ExCo agreed to support the following ECS’s:**
  - a. **ECS ‘Patterns of Trans-national research in Europe and Beyond: Policies, Actors and Indicators** by CERIS, CNR, IFRIS, ENID at CERIS CNR. This ECS will be held in Rome on 10-14 June 2013.
  - b. **ECS ‘Measuring and modelling dynamics in innovation systems’** will be hosted by Utrecht University and will be held in Utrecht, The Netherlands on 26-30 August 2013.

### Eu-SPRI Early Career Researcher Conferences (ECC)

- **ECC ‘INTERACT UNI: New perspectives on enduring research questions in university society interaction?’** was organised by IGS and it was held at the University of Twente, in Enschede, the Netherlands on 9-11 May 2012 (see annex 3 and [http://www.euspri-forum.eu/archives/ECRC/ecrc\\_may\\_2012/](http://www.euspri-forum.eu/archives/ECRC/ecrc_may_2012/))
- **ECC “Path-breaking innovation. Understanding, managing and providing support for continuous radical change in science and innovation’** was held at the Department of Management, Economics and Industrial Engineering (DIG) of Politecnico di Milano on 27-29 June 2012, see annex 4 and [http://www.euspri-forum.eu/archives/ECRC/ecrc\\_june\\_2012/](http://www.euspri-forum.eu/archives/ECRC/ecrc_june_2012/)

- **ExCo agreed to support the following ECC's:**
  - a. **ECC 'Science dynamics and research systems' The role of science and research institutions as key elements in smarter, sustainable and inclusive societies"** by CSIC. It will be held in Madrid on 8-9 April 2013.
  - b. **ECC 'Innovation in a globalized economy: on the role of knowledge dynamics, institutions and innovations policies'** by Circle. This ECC will be held in at Lund University, in Lund on 2-3 October 2013.

### Eu-SPRI Forum Annual conferences

- **The second Eu-SPRI Annual Conference** 'Towards Transformative Governance? Responses to mission-oriented innovation policy paradigms' was held in on 12/13 June 2012 in Karlsruhe. It was hosted by The Fraunhofer Institute for Systems and Innovation Research ISI, see annex 5 and [http://www.euspri-forum.eu/archives/Bi\\_Annual\\_Conferences/eu\\_spri\\_conference\\_2012/](http://www.euspri-forum.eu/archives/Bi_Annual_Conferences/eu_spri_conference_2012/).
- **ExCo agreed to support the third Eu-SPRI Annual Conference.** It will take place in Madrid 10-12 April 2013. This conference will be hosted by The UAM-Accenture Chair in Economics and Management of Innovation and INGENIO (CSIC-UPV). The Conference aims to encourage dialogue between academics and practitioners to improve innovation policy design, implementation and evaluation. Further information can be found at: <http://www.euspri-madrid2013.org>.
- **ExCo agreed to support the forth Eu-SPRI Annual Conference.** It will be hosted by the Manchester Institute of Innovation Research (MIOIR) and it will take place on 18-20 June 2014.

### Exploratory Initiatives

The setting of the research agenda in the science and innovation policy field is an essential objective of the EU-SPRI activities. Exploratory initiatives aimed at developing knowledge supporting the anticipation of new SPRI themes, concepts and methods are very important in order to connect different research spaces.

Call for proposals for exploratory activities was published in August 2011.

This call was open for researchers from Member Organisations; researchers from non-member organisations could be involved in the proposals, when the participation is relevant for the subject under investigation and can contribute to the construction of long-term research collaborations.

The following proposals were received by deadline 30 September 2011, all were granted:

- **Fostering path-breaking research in science and technology. Models, indicators, policy tools**, coordinator A. Bonaccorsi.
- **Emerging spaces and governance**, coordinator A. Rip.
- **The emergence of challenge-driven priorities in research and innovation policy (CPRI)**, coordinator E. Kallerud.

### Taking part in and contributing to major events by members

*Atlanta conference: Jakob Edler and Jordi Molas Gallart have represented Eu-SPRI Forum at ESOF 2012.*

*4S & EASST in Copenhagen: No formal Eu-SPRI representation, but many individual members have participated in this conference.*

## Annexes

Annex 1:	Eu-SPRI PhD Circulation Awards 2011/2012–31.12.2012
Annex 2:	Final report ECS AIT
Annexes 3 and 4:	Final reports of ECC
Annex 5:	Final report Annual conference 2012
<i>Annex :6</i>	Rules for supporting Eu-SPRI events and activities

## Eu-SPRI PhD Circulation Awards

### Successful Candidates from Eu-SPRI Forum 2nd call for PhD Circulation December 2011

1. Alberto Marzucchi, home institute - CERIS-CNR, Italy, supervisor - Sandro Montresor, will go to INGENIO, (CSIC-UPV) (Institute of Innovation and Knowledge Management-Spanish Council for Scientific Research-Polytechnic University of Valencia, Spain, supervisor- Pablo D'Este, for 3 months. The title of his thesis is: 'The additionality of innovation policy. An investigation at different levels of analysis.'
2. Evgeny Klochikhin, home Institute – Manchester Institute of Innovation Research (MIOIR), MBS, University of Manchester, UK, supervisor - Philip Shapira, will go to University of Twente, IGS (Institute of Innovation and Governance Studies), The Netherlands, supervisor - Stefan Kuhlmann, for 1 month. The title of his thesis is: 'Public policy instruments in (re)building national innovation capabilities: cases of nanotechnology development in Russia, China and Brazil.'
3. Giulio Marini, home institute - CERIS-CNR, Italy, supervisor – Emanuela Reale, will go to Universidad Autónoma de Madrid, Spain, supervisor - M. Paloma Sánchez, for 3 months. The title of his thesis is: 'University governance and evaluation: public policies and management tools'.
4. José Miguel Natera, Home institute - Universidad Autónoma de Madrid, Spain, supervisor – José Molero Zayas, will go to Nordic Institute for Studies in Innovation, Research and Education (NIFU), Norway, supervisor – Arne Fevolden, for 3 months. The title of his thesis is: 'The dynamics of national innovation systems'

### Successful Candidates from Eu-SPRI Forum 3rd call for PhD Circulation March 2012

1. Jaime Humberto Sierra Gonzalez, home institute - Manchester Institute of Innovation Research (MIOIR), MBS, University of Manchester, UK, supervisor – Marcela Miozzo will go to Research Centre on Biotech Business, Copenhagen Business School (CBS), Denmark, supervisor- Finn Valentin, for 3 months. The title of his thesis is: 'Financing innovation: a sectoral approach policy to the motives, sources and implications.'
2. Vajk Miklos Lukacs de Pereny Martens, home Institute – Manchester Institute of Innovation Research (MIOIR), MBS, University of Manchester, UK, supervisor – Marcela Miozzo, will go to Centre d'Économie de l'Université Paris Nord XIII/Écoles de Ponts, France, supervisor - Benjamin Coriat, for 3 months. The title of his thesis is: 'Firm engagement and upgrading in buyer driven global value chains.' *Postponed*
3. Cristian Matti, home institute - INGENIO, (CSIC-UPV) (Institute of Innovation and Knowledge Management-Spanish Council for Scientific Research-Polytechnic University of Valencia, Spain, supervisor – Jordi Molas Gallart, will go to Centre for Studies in Technology and Sustainable Development, University of Twente, IGS (Institute of Innovation and Governance Studies), The Netherlands, supervisor – Frans Coenen, for 3 months. The title of his thesis is: 'Environmental governance and regional networks on green construction in Valencia.'
4. Christine Henriques, Home institute – Copenhagen Business School (CBS), Denmark, supervisor – Mette Mønsted, will go to CIRCLE University of Lund, Sweden, supervisor – Åsa Lindholm Dahlstrand, for 3 months. The title of her thesis is: 'Looking for growth.'

### Successful Candidates from Eu-SPRI Forum 4th call for PhD Circulation June 2012

1. Miriam Hufnagl, home institute - Fraunhofer Institute for System and Innovation Research (ISI), Germany, supervisor – Ralf Linder will go to Department of Business and Politics, Copenhagen Business School (CBS), Denmark, supervisor- Susana Borrás, for 4 months. The title of her thesis is: 'Strategic policy making in research and innovation policy.'

## Successful Candidates from Eu-SPRI Forum 5th call for PhD Circulation September 2012

1. Hendrik Steringa, home institute – StePS - University of Twente in Enschede, the Netherlands, supervisor - Stefan Kuhlmann, will go to The Competence Center Energiepolitik und Energiemärkte, Fraunhofer Institute for System and Innovation Research (ISI), Germany, supervisor - Wolfgang Eichhammer, for 3 months. The title of his thesis is: 'Incumbent electricity companies' strategies in transition.'

2. Emrah Karakaya, home institute – Universidad Politecnica de Madrid, Spain, supervisor – Antonio Hidalgo Nuchera, will go to The Competence Center Energiepolitik und Energiemärkte, Fraunhofer Institute for System and Innovation Research (ISI), Germany, supervisor - Karoline Rogge, for 3 months.

### 3. REVISION OF POSTPONED APPLICATION (from 3rd circulation)

Vajk Miklos Lukacs de Pereny Martens, home Institute – Manchester Institute of Innovation Research (MloIR), MBS, University of Manchester, UK, supervisor – Marcela Miozzo, will go to École des Ponts Paris Tech, Laboratoire Techniques, Territoires et Sociétés (LATTS), Paris, France, supervisor – Philippe Larédo, for 3 months. The title of his thesis is: 'Firm engagement and upgrading in buyer driven global value chains.'

## Awards 1 September 2011- 31 December 2012

Award	Name Applicant	Home Institution	Host Institution	€
Eu-SPRI Forum PhD Circulation Second call, December 2011	Guilio Marini	CERIS-CNR, Italy	Universidad Autonoma de Madrid, Spain	2000
Eu-SPRI Forum PhD Circulation Second call, December 2011	Evgeny Klochikhin	MloIR, University of Manchester, UK	University of Twente, The Netherlands	2000
Eu-SPRI Forum PhD Circulation Second call, December 2011	Alberto Marzucchi	CERIS-CNR, Italy	INGENIO (CSIC-UPV), University of Valencia, Spain	2000
Eu-SPRI Forum PhD Circulation Second call, December 2011	José Miguel Natera Marin	Universidad Autonoma de Madrid, Spain	NIFU, Norway	2000
Eu-SPRI Forum PhD circulation Third call, March 2012	Cristian Matti	INGENIO (CSIC-UPV), University of Valencia, Spain	University of Twente, The Netherlands	2000
Eu-SPRI Forum PhD circulation Third call, March 2012	Jaime Humberto Sierra Gonzalez	MloIR, University of Manchester, UK	Copenhagen Business School, Denmark	2000
Eu-SPRI Forum PhD circulation Third call, March 2012	Christine Thalsgård Henriques	Copenhagen Business School, Denmark	CIRCLE, University of Lund, Sweden	2000
Eu-SPRI Forum PhD circulation Third call, March 2012	Vajk Miklos Lukacs de Pereny Martens	MloIR, University of Manchester, UK	<i>Postponed</i>	0

Award	Name Applicant	Home Institution	Host Institution	€
EU-SPRI Forum PhD circulation, Fourth Call, June 2012	Miriam Hufnagl	Fraunhofer ISI and registered PhD Programme and supervisor at University of Lueneberg, Institute of Political Science	Copenhagen Business School	2000
EU-SPRI Forum PhD circulation, Fifth Call, September 2012	Hendrik Steringa	STePS – University of Twente	Competence Center Energiepolitik und Energiemarkte (Energy politics and Energy markets), Fraunhofer ISI (Wolfgang Eichhammer)	2000
EU-SPRI Forum PhD circulation, Fifth Call, September 2012	Emrah Karakaya	Universidad Politecnica de Madrid	Competence Center Energiepolitik und Energiemarkte (Energy politics and Energy markets) Fraunhofer ISI (Karoline Rogge and Barbara Breitschopf)	2000
EU-SPRI Forum PhD circulation, Fifth Call, September 2012	Vajk Miklos Lukacs de Pereny Martens	MIOIR , University of Manchester	Paris network (Centre d'economie the L'Universite Paris Est)	2000
			<b>Total Awards €</b>	<b>22000</b>

## **Annex 2**

### **ECS**

#### **Final report on *Eu-SPRI PhD Spring School***

***Anticipation in the Governance of Innovation: Expectations, Foresight and Technology Assessment* for the EU-SPRI Management Committee  
Foresight & Policy Development Department**

**AIT - Austrian Institute of Technology, Vienna**

15-17 March 2012

Organisers: Björn Budde, Kornelia Konrad, and Matthias Weber

The Eu-SPRI PhD Spring School focussed on the anticipatory aspects of the governance of innovation inviting PhD students and young post-docs from different backgrounds to participate in the event. The key note lectures were delivered by Arie Rip (*"Foresight and TA as telling each other forward"*) and Daniel Barben (*"Anticipation in the Governance of Innovation: Notions, Modes – and New Horizons?"*). The PhD students had different backgrounds ranging from the sociology of expectations, foresight and technology assessment, as well as PhD students working on the integration of future oriented aspects in other strands of literature (innovation systems, grass root innovations, etc.).

The structure of the spring school aimed for a high degree of interaction between the participants and focussed on the research projects of the participants. The participants were asked to read a number of articles introducing them to issues of the sociology of expectations and foresight, and to send in questions/interesting points/remarks concerning the literature. Thus the spring school started with an introduction to the theme of the event by the organizers and was followed by a key note lecture of Daniel Barben. Each participant presented his/her research project in one of the six sessions. In each session three to four PhD students presented their research, followed by an extended comment of one of the senior researchers. After that ample room was provided for discussion. In order to facilitate the discussion the papers (or extended abstracts for participants in earlier stages) were circulated in advance of the spring school. After day 1 the participants were asked to write down questions and important issues from their personal perspective on post-its in order to discuss them on day 2. These questions were clustered into three general topics by the organizers. After an exhausting and intellectually inspiring day 1 all participants were enjoying (hopefully) traditional Austrian food and continued their discussion in a rather informal way.

The second day started with a key note by Arie Rip and was continued by another session of PhD researcher presentations. In the afternoon there was ample space to discuss the questions/comments/new ideas by the participants in small groups. Each group discussion was facilitated by a senior researcher. In fact the timing of the spring school was perfect with regard to the weather so we could leave the seminar room and could enjoy the first weekend of spring in Vienna (some photos below).

The interactive session proved to be very productive in order to articulate new ideas and discuss the previous presentations and subsequent dialogue in an informal but still focussed way (a kind of world cafe format). Each working group discussed a cluster of questions/issues and participants were free to change the group at certain times.

In the evening some strands of discussions were continued, first in the restaurant and then in a bar in central Vienna.

Day 3 started with another session of presentations and a wrap up of the Eu-SPRIing school (how it was called during the event). The wrap up, by Kornelia Konrad and Matthias Weber was taking up and continuing some re-occurring issues from the discussions from the previous days and pointing and promising direction for future research. At the end of the event there was time to give feedback to the organizers and to discuss how to stay in touch. One way to have a platform for discussion is a new formed group "Anticipation in the Governance of Innovation" on LinkedIn which was created by the organizers. In order to have an incentive for the participants to join the group on LinkedIn the photos taken during

the event were first posted on LinkedIn. We hope that we may encourage some discussion on the internet in future; however it is still an experiment.

The feedback of the participants was positive. The extensive comments of seniors were highly valued. The theme of the conference bringing together different perspectives was appreciated by some, while others considered it a bit challenging. The interactive session or “sunshine” session in smaller group got very positive evaluations. Moreover, a large share of participants enjoyed the focus on the PhD student’s research and the ample room for discussion. Nevertheless some participants asked for a stronger focus on certain concepts or methods. There was some legitimate criticism on the seminar room, where the spring school took place, due to the high temperatures and the air condition system not really adjusting to the warm temperatures outside.

Including the organizers and the senior researchers, 25 people participated in the event. That number is a bit larger than originally planned. Since we received a larger than expected number of interesting application we decided to give as many people as possible to participate in the spring school. Due to the larger number of participants from non-Eu-SPRI institutions it was possible to accept the larger number of participants (since these participants had to pay a fee for participation).

Furthermore some participants, being already post-docs supported the senior researchers in giving feedback and providing some helpful hints how to do a PhD given their recent experiences. In two cases the organizers decided jointly with the Eu-SPRI secretariat to waive the fee for participation due to exceptional circumstances (in one case a PhD student from India had already booked his flights on his own costs, but his scholarship at the university was not accepted last minute, in the other case the participant was at the time of the event not employed at the university due to the financial turmoil in parts of Southern Europe and paid the costs for the trip to Vienna by herself).

The conference programme, presentations, papers/extended abstracts and photos of the event are available through the Eu-SPRI website and/or the discussion group “Anticipation in the governance of innovation” on LinkedIn.

See <http://www.euspri-forum.eu/archives/> for programme, papers, key notes

## **Annex 3**

### **Final report on the Eu-SPRI/ IGS Early Career Researcher Conference**

#### ***New perspectives on enduring research questions in university-society interaction?***

Enschede, the University of Twente, the Netherlands, on 9<sup>th</sup>-11<sup>th</sup> May

#### ***Local organizing committee:***

Dr. Kasia Zalewska (Organising Committee Co-ordinator), dr. Paul Benneworth, Klaudia Egedova, Inga Ulnicane-Ozolina, prof. Stefan Kuhlmann, prof. Hans E. Roosendaal, Marcia Clifford (conference secretary)

#### ***Participants:***

There were 23 papers presented at the conference. 6 persons withdrew their participation. They could not come for personal reasons or could not finalize their papers before the conference.

#### ***Format:***

As the conference was planned for two days, we organized parallel sessions to fit 23 papers. Each session had a chairperson keeping the timing. Each speaker had 15 minutes for their presentations. Each paper in the conference was discussed by two speakers, the junior and senior discussants. Discussants were sent the papers in advance and instructed to prepare a maximum of 5 minutes of reflections which would help stimulate a vibrant discussion in the session, and which would provide the speaker with food for thought in improving their paper. 15 minutes can be too little time for explaining research. We learned that 20 minutes would be a better option. Long coffee breaks increased networking and gave time for more in-depth discussions between junior researchers and with senior mentors.

The conference ended with a talk of Philippe Laredo. He combined his talk on the revision of the three missions with a summary /concluding view on the main theme of the conference, i.e. new research perspective on university - society interactions.

This last session organized in relaxed settings at the Faculty Club combined with a lunch served before the talk. During this session the best paper award was granted (subscriptions to Research Policy and Science & Public Policy).

#### ***New events***

To stimulate the discussion on university-society interactions even further, we decided to organize two quite 'fresh' events making junior social scientists to reflect on the impact of their research and to communicate their research to hard scientists and general public.

#### ***Panel discussion***

We invited the scientific director of MESA+ - an institute for nanotechnology, CEO of the Knowledge Park Twente, scientific director of VentureLab Twente (incubator for high-tech companies), and a university professor (knowledgeable in creating communities and smart cities around universities) to talk about the role of social sciences in society. Each panelist had to make a statement of 2 minutes. The statements raised a lively discussion that eventually had to be stopped by the moderator after more than an hour.

## **Science Slam**

The Science Slam is a form of competitive debate between researchers in front of a public audience, trying to convince the audience that their research is the most publicly useful of the competing participants. The event was combined with an informal networking dinner with participants of the conference and invited guests forming the general public (in total about 50 people).

The videos of presenters can be found on the IGS website:

[http://www.utwente.nl/igs/conference/2012\\_earlycareer/Science%20Slam/](http://www.utwente.nl/igs/conference/2012_earlycareer/Science%20Slam/)

A few junior and senior researchers from the University of Twente attended plenary, parallel sessions as well as the Science Slam.

All in all, the conference was a success as we heard from the participants that they appreciated individual treatment, detailed information about the conference and the venue, and the possibility to discuss intensively their research.

See <http://www.euspri-forum.eu/archives/> for programme, and papers.

## **Annex 4**

### **Final Report of the Eu-SPRI Early Career Conference**

**'Path-breaking innovation. Understanding, managing and providing support for continuous radical change in science and innovation'**

**Milan, Italy, 27-29 June 2012**

The conference was held on 27th-29th June 2012 at the Department of Management, Economics and Industrial Engineering (DIG) of Politecnico di Milano. Renowned scientists and promising young researchers came together to discuss issues in matters of path-breaking scientific achievements and innovations. Around 30 participants from across Europe and the world attended the conference.

#### **Results from panels and discussions**

The conference was opened by Prof. Massimo G. Colombo, Dean of the PhD School in Management, Economics and Industrial Engineering of Politecnico di Milano, who briefly introduced the main themes of the conference. Prof. Colombo emphasized the significance of "going radical" in the relationship between science and innovation, introducing a number of open issues that were subsequently addressed during the conference. These open issues can be summarized in the following questions: How firms should organize for radical innovation in a changing environment? What can they learn from the organization of science? And, viceversa, what science can learn from firms?

Two keynote speeches enriched the conference. In the first day of the conference, Prof. Paula Stephan (Georgia State University & NBER) focused on open themes and new directions in the studies of science produced in the public sector (universities and research institutes). During their talk, she offered a comprehensive review on the role that incentives and costs play in science. In addition, she emphasized the challenges and open questions in production of science. She concluded with a discussion on efficiency problem when it comes to funding of science, in terms of amount of funds, structure, and ways to encourage risk taking.

In the second day of the conference, the keynote speech by Prof. Gerard George (Imperial College) was focused on the new directions of research in path-breaking innovation. The motto of his presentation was "Be Cheap!", reflecting the idea that societies can be radically transformed by the production and diffusion of low cost innovation. Again, many directions for future research have been identified in the areas of individual and social identity, organizational design, coordination costs, knowledge sourcing and distributed collaboration, scale and scope in activities and processes, IP Rights, technological pathways and platforms, and services design and delivery.

Besides the two keynotes, a plenary session and 6 parallel sessions were organizing, totaling more than 20 presentations. In the plenary session, Prof. Giuseppe Scellato (Politecnico di Torino), Prof. John P. Walsh (Georgia Institute of Technology), and Prof. Sadao Nagaoka (Hitotsubashi University) presented their current research about the globalization of science. More specifically, their interventions were focused on the patterns of international mobility of researchers, the organization of research teams, the role of young scholars in scientific research and the reasons underlying the international collaborations in science. In the parallel paper sessions, junior researchers presented their research and received feedback from senior scholars. All the presentations were coherent with the conference general theme and benefitted by an in-depth discussion.

In the final day of the conference, a roundtable entitled "Organizing for radical innovation. Can companies learn from the organization of science?" was organized in collaboration with the MIP Business School of Politecnico di Milano. The chair of the roundtable was Massimo G. Colombo (Politecnico di Milano), who moderate the panel of experts: Paula Stephan (Georgia State University & NBER), Mario Merola (ITER Project) and Gerard George (Imperial College). A lively floor discussion involving both practitioners and policy makers took place on were the starting point for a in depth discussion with on the following issues: the organizational challenges behind scientific research, the organization of massive-scale scientific projects and the lessons that companies can learn from the organization of science.

### **Synthesis of the main achievements of the event**

The conference brought together a number of leading international scholars as well as promising young scientists from all over the world (China, Italy, Japan, UK, US and others) in stimulating discussions. Furthermore, the presented works used different approaches, both theoretical and empirical, integrating insights from management, economics, political sciences, cognitive sciences, psychology, sociology, as well as applications of computer science and artificial intelligence techniques. The mix of renowned scientists, promising young researchers, and different approaches resulted in two days of very productive scientific debate.

The conference increased our understanding of the processes behind path-breaking advances in science and innovation, at the level of individuals, groups, and organizations. It is worth pointing out that the emergence of path-breaking achievements are often the result of serendipitous processes and non deliberate choices. However, a mix of environmental, institutional, and organizational factors make these events more or less likely to happen. The contributions presented during the plenary and parallel sessions focused on the factors, which can effectively prompt path-breaking scientific and technical advancement and manage the transition from old to new regimes, in both realms of academe and industry. Networking and discussions continued after sessions during the social events. Moreover, in the final roundtable scientific findings were shared with both practitioners and policy makers.

Path-breaking scientific achievements and innovations might be considered as the real engine of sustainable economic development and the way out from the current economic crisis. We are convinced that presentations and discussions at this conference hold the potential inspire to inspire both practitioners and policy makers, suggesting them new way to tackle present and future demands regarding path-breaking science and innovations.

See [http://www.euspri-forum.eu/archives/ECRC/ecrc\\_june\\_2012/](http://www.euspri-forum.eu/archives/ECRC/ecrc_june_2012/) for programme, and presentations

## **Annex 5**

### **Final Report of Annual Conference 2012**

#### **Eu-SPRI Forum Annual Conference 2012 "Towards Transformative Governance? Responses to mission-oriented policy paradigms".**

*The Second Eu-SPRI conference* on 12-13 June 2012 was organized by Fraunhofer Institute for Systems and Innovation Research ISI, Germany. More than 200 participants from across Europe and the world came to the Karlsruhe Convention Centre to attend the conference with the motto "Towards Transformative Governance? Responses to mission-oriented policy paradigms". Discussions took place in 30 thematic sessions with more than 100 presentations of very different innovation topics. These were held under the aspect of the mission orientation following the Lund declaration, as a consequence of which research and innovation policies are increasingly targeting priorities which address the major societal challenges of our times. Two keynote speeches enriched the conference: The sociologist and economist Professor Pierre-Benoît Joly, Head of the National Institute of Agronomic Research in Paris, posed the question "Looking for 'Responsible Innovation' – towards a new research agenda for studies of innovation?" and Fred Steward, Professor of Innovation and Sustainability at the Policy Studies Institute in the University of Westminster, spoke on the topic "Europe's 'challenge-led & broad-based' innovation policy revolution - a convoluted and contested transition." An elevator pitch contest was held for young scholars, and the audience prize was awarded to Davy van Doren as Marie Curie Fellowship researcher working at Fraunhofer ISI, who had given his lively 60 seconds presentation about "Synthetic Biology". The conference was part of the celebrations to mark the 40 years since Fraunhofer ISI was founded. A conference exhibition, a segway parcours, a city walk and the conference dinner in the atmospheric rooms of Karlsruhe Castle offered additional opportunities for informal and scientific exchange within the growing Eu-SPRI-community.

See conference programme, conference booklet and presentations: [http://www.euspri-forum.eu/archives/Bi\\_Annual\\_Conferences/eu\\_spri\\_conference\\_2012/](http://www.euspri-forum.eu/archives/Bi_Annual_Conferences/eu_spri_conference_2012/)

The overall theme of the conference was 'Challenge-led innovation policy' (CLIP) and various different aspects of this were discussed under the sub-groupings Characteristics of CLIP, How to enact transformative change?, the necessity of a global perspective, need for evaluation of impacts, barriers.

The characteristics of CLIP are that it is directed at radical system change. The policies must be experimental and involve explicit consideration of the spatial location, policy needs to be location specific. These radical system changes involve socio-technical change, not just the development and diffusion of new technologies. These changes also will involve heterogeneous social networks from all parts of society. They will involve new actor configurations, for example translational research. There will also be new types of actors, for example cities, who are involved in the innovation policy process. The consideration of radical system change also implies the need to challenge existing socio-technical configurations; conflicts are inevitable.

Some of the methods and instruments for enacting change are: diversity-oriented foresight methods, inquiring design, speculative prototyping, joint programming initiatives, anticipatory knowledge, transition management, strategic niche management, new combinations of qualitative and quantitative modelling. New areas need to open up for debate, with a key role for the humanities as well as the natural and social sciences. Approaches including Neo-institutional theory, Actor-Network-Theory, the Multi-Level Perspective on Transitions are required.

It is necessary to consider global public goods and the dependencies and competition between regions and countries in a globalised world.

Evaluation of impacts must be over the long term and take a system perspective.

A wide range of aspects that require to be considered when developing policy for CLIP were identified. Policy must be tailored, one size fits all will not work. The Grand Challenges concept of the EU still requires further clarification. There is a need to reconcile goal oriented and blue-sky research at the European level.

## **Annex 6**

### **Rules for supporting Eu-SPRI events and activities**

#### **1. Type of support**

Eu-SPRI Forum offers support, only in the form of grants, for the organisation of events (Early Career Researcher Conferences/ECRC; PhD summer/winter schools; Eu-SPRI bi-annual Conferences; Exploratory Initiatives).

The grant is a lump sum earmarked for the effective completion of this activity.

The grant is fixed on the basis on an initial budget (see below).

Payment is made once the activity has taken place and is documented on the website of the Forum (<http://www.euspri-forum.eu/>; e.g. for conferences the programme, presentations made, results from panels and discussions, a synthesis of the main achievements of the event, for summer/winter schools the presentations of lecturers and summary of plenary events, for exploratory activities documentation of the activity and the actual output paper).

A final financial statement of the activity supported will have to be produced within 3 months of the payment.

#### **2. Establishing a budget**

We underline below 3 important principles that member organisations asking for support need to take into consideration.

a) The grant aims to cover basic costs incurred by the host. As budgets are limited, we encourage organisers to organise the events wherever opportunities exist to obtain cheaper accommodation. We wish to keep this approach in order to maximise the number of events supported.

In the case of ECRC and PhD Schools Eu-SPRI will cover accommodation and food including conference events. Participants should be accommodated at a cost of around €50 euros per night per person. This is important since we intend to provide support for as many as possible participants as possible.

b) This principle applies only for early career researchers from member institutions. While we wish to keep these events open to all, there is a need to differentiate between Eu-SPRI members and non-members. The principle adopted is that non-members will not receive any financial support from the Eu-SPRI Forum. Non-member will have to cover all costs generated by their participation (including all meals); as an example this amounts to €300 per participant for the 2011 Doctoral conference in Manchester. The proposal may include a small number of bursaries for targeted audiences (e.g. early career researchers from non-OECD countries or from European new member states).

c) The Forum is a joint investment by our institutions to provide a European-level framework for our field. They in turn expect that we, as academics, invest our time and effort in making it productive. It would be difficult for them to accept that the colleagues we invite do not share the same objectives. These points have two very practical financial consequences: - in organising operations, account should be taken only of managerial costs incurred (not academic working time dedicated to the scientific aspects of the organisation of the event); - EU-SPRI Forum cannot pay honoraria for invited speakers and these should not be included in the budgets. Only travel and subsistence expenses should be considered as eligible costs, for selected Early Career researchers and participants of Exploratory Initiatives of EU-SPRI members, and for invited speakers.

As an example that applicant should feel free to follow, we attach the budget that has been submitted for the 2011 Early Career researcher Conference in Manchester.

#### **3. Types of Resources**

In addition to the Eu-SPRI grants, we expect that events will be able to use three types of resources:

\* Fees from participants (these for instance amounted for the 2010 Eu-SPRI-IGS conference to some 14.000 Euros).

\* In kind contributions made by the organisers (rooms, student time...)

\* Other external resources.

The consideration of all expected resources is central for deciding the amount of the grant to be offered. The ExCo trusts colleagues for the fact that these estimates are well prepared so that the Forum as a whole does the best use of its limited resources.