



## **Eu-SPRI Forum**

### **Annual Report 2016**

Dear reader,

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. We are delighted to welcome one new member to the Forum, TNO Netherlands Organisation of Applied Scientific Research, Expertise Group Strategy and Policy, who have joined in summer 2016. This addition signifies the attractiveness and relevance of the association. We have had sixteen full members and one associate member on 31 December 2016 (note: in the current calendar year we have one further member, Autonomous University of Madrid (UAM) and Accenture .

As in previous years, also in the calendar year 2016 the Eu-SPRI Forum made relevant efforts to accomplish the network’s three missions: to structure the field of PRI Studies, to explore new horizons, and to nurture the next generation of scholars and experts in our field.

Our main community building event was the Annual Conference in Lund, Sweden on 7-10 June 2016 organised by Circle, led by Charles Edquist. The conference was very attractive, drawing a record number of participants from a record number of countries, indicating our success in growing our community of STI policy scholars. While being open to the breadth of topics across our area, the Lund conference call put some specific focus on the changing role of innovation policy and its relationship with other policies, reflecting a growing concern with the horizontal role of innovation policy to contribute to solutions across all areas of societal concern.

We held two Early Career Researcher Conferences, one in Valencia (INGENIO) and one in Vienna (MloIR / IFRIS, supported by The Austrian Evaluation Platform). Both of those conferences for the next generation are at the heart of the mission of EU-SPRI, and both have been highly successful again. The Forum did not organise an Early Career Research Training School in 2016. However, in the second half of 2016 the Executive Committee agreed on a new scheme to roll out Early Career Research Training Schools. We now offer five complementary schools organised in five different member organisations, with lecturers brought in from across all members of the Forum and covering a broad set of themes and methods. This does not preclude applications for further training schools outside that scheme. A first school was organised at SPRU at the beginning of 2017. Regarding our third activity targeting the young generation, we experienced a drop in demand for the mobility scheme. Finally, we also awarded one further exploratory activity, supporting a group of colleagues in re-conceptualising “evolving institutions in knowledge and innovation”.

In June 2016, Jakob Edler took over the Presidency of Eu-SPRI, following election already in 2015. He thanked Stefan Kuhlmann (UTwente) for his outstanding work as founding President of the Forum, Emanuela Reale (IRCRES-CNR) for her excellent supporting function as Vice-President and Marjatta Kemppainen in the Eu-SPRI secretariat for excellent support over the course of 6 years. The secretariat has now moved to Manchester, run by Siobhan Drugan. We also had two changes in the Executive Committee, with Johan Schot (SPRU) and Mathias Weber (AIT) replacing Stefan Kuhlmann and Emanuela Reale.

On behalf of all EU-SPRI members I would like to thank all colleagues who have supported the Forum, through taking initiative, organising and supporting events, sending and receiving PhD students, and contributing to the exciting academic debate in our field.

Jakob Edler, President

Siobhan Drugan, Secretariat

## 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 the Assembly of its full members meeting once a year and is managed by an Executive Committee: sixth period has started on 7 June 2016.

### Full members (as of May 2017) 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) CSIC, ), founding member.
- Institute of research on economic sustainable growth, IRCRES-CNR, founding member.
- Politecnico di Milano, Dipartimento di Ingegneria Gestionale, 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, ISI, 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.
- TIK, Centre for Technology, Innovation and Culture, University of Oslo, since 2013.
- SPRU - Science Policy Research Unit (University of Sussex), since 2015.
- TNO Netherlands Organisation of Applied Scientific Research, Expertise Group Strategy and Policy, since 2016.
- Autonomous University of Madrid (UAM) and Accenture, rejoined 2017

### Associate member:

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

### General Assembly

The fifth General Assembly was held in Lund on 7 June 2016.

In December 2015 Prof. Jakob Edler Manchester Institute of Innovation Research, MBS, University of Manchester was elected by GA for President from General Assembly June 2016 onward.

### Executive Committee in 2016

President from June 2010 - June 2016	Stefan Kuhlmann	University of Twente (membership ceased June 2016)
President from June 2016 - .	Jakob Edler	Manchester Institute of Innovation Research, MBS; University of Manchester, ExCo member from June 2010
Vice President from June 2010 - June 2016.	Emanuela Reale	Institute of research on economic sustainable growth, IRCRES-CNR (membership ceased June 2016)
Vice President from June 2016 - .	Gaston Heimerinks	Innovation Studies, Copernicus Institute of Sustainable Development, Universiteit Utrecht, ExCo member from

Treasurer from June 2010 -		June 2014. He was substituted by Koen Frenken from February 2016- June 2016.
	Philippe Larédo	IFRIS (Paris) and Manchester Institute of Innovation Research, MBS; University of Manchester
	Stephanie Daimer	Fraunhofer ISI, ExCo member from April 2013- .
	Magnus Gulbrandsen	TIK, Centre for Technology, Innovation and Culture, University of Oslo, ExCo member from June 2015 -.
	Johan Schot	SPRU, Science, Policy Research Unit, University of Sussex from ExCo member from June 2016- .
	Matthias Weber	AIT, Austrian Institute of Technology ExCo member from June 2016- .

In June 2016, the GA elected Johan Schot and Matthias Weber into the Executive Committee. The Executive Committee held 5 meetings in 2016.

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

### **Eu-SPRI Forum Secretariat**

Secretariat was managed by Marjatta Kempainen the University of Twente from June 2010 - November 2016.

Since November 2016 Siobhan Drugan, Manchester Institute of Innovation Research, AMBS; University of Manchester manages the secretariat.

## **Communication**

### **Eu-SPRI Forum website**

The website was set up and published in May 2011 (<http://www.euspri-forum.eu/>) and it is updated regularly by Manchester who took over the secretariat in November 2016. **Eu-SPRI**

### **Forum List servers**

Eu-SPRI Forum has 2 list servers:

EU-SPRI-NEWS for news items of general interest and EU-SPRI-INFO, a discussion list for Eu-SPRI Forum members only.

**Eu-SPRI poster and leaflet** can be uploaded from <http://www.euspri-forum.eu/organisation/> , was updated in July 2016.

## Eu –SPRI Forum Activities

### Eu SPRI Forum Calls for proposals

**Eu-SPRI Forum Call for Proposals for Early Career Researcher Conferences (ECC) and Early Career Research Training Schools (ECS) in 2016 and 2017** with the deadline of 15 January 2016 was launched on 18 November 2015.

**Call with the deadline of 28 May for expression of interest to host an Eu-SPRI Forum Annual Conference in 2018, 2019 or 2020** was sent to members on 23 February 2016.

**Call for Eu-SPRI Exploration Scheme Activities 2016/17** with the deadline of 30 September 2016 was published on 26 July 2016. One project was submitted.

**Proposal for winter - and summer schools 2017-2019** was agreed by members in October 2016.

### Eu-SPRI Forum Circulation awards

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

Three calls were published in 2016 for **PhD circulation awards** with the following submission deadlines: 11 Mar, 11 June, 11 November 2016 See annex 1 for successful candidates are on [http://www.euspri-forum.eu/key\\_missions/](http://www.euspri-forum.eu/key_missions/)

**PhD circulation experience reports** are on [http://www.euspri-forum.eu/key\\_missions/phd\\_circulation\\_reports/phd-experience-reports/](http://www.euspri-forum.eu/key_missions/phd_circulation_reports/phd-experience-reports/)

### Early Career Research Training Schools (ECS) in 2016

There was no ECS held in 2016.

The Executive Committee started a new initiative, a series of complementary schools to offer a coherent and coordinated programme. Therefore, the ExCo decided to grant in October 2016 the following future schools:

- a. Winter School 2017 on Innovation policy for Transformative Change hosted by University of Sussex, Brighton, United Kingdom on 16-20 January 2017 (see annex 5).
- b. Summer School 2017 on Frontiers in Innovation Systems: Measuring and modeling dynamics in innovation system will be hosted by Utrecht University on 21-25 August 2017.
- c. Winter School 2018: Lund University
- d. Summer School 2018: University of Oslo
- e. Winter School 2019: University of Twente

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

- **ECC. Science, Innovation and the University: keys to social impact - INGENIO PhD days** hosted by INGENIO in Valencia on 14-15 April 2016. See annex 2 for final report and Eu-SPRI archives on: [http://www.euspri-forum.eu/archives/ecc/ecc\\_valencia\\_2016/](http://www.euspri-forum.eu/archives/ecc/ecc_valencia_2016/) for more information.
- **ECC Science, Technology and Innovation Policy: Re-thinking rationales, concepts, applications and impact** in Vienna on 21-23 November 2016. See annex 4 for final report and Eu-SPRI archives on: [http://www.euspri-forum.eu/archives/ecc/ecc\\_november\\_2016/](http://www.euspri-forum.eu/archives/ecc/ecc_november_2016/)

## Eu-SPRI Forum Annual conferences

- **Annual Conference 2016 “Exploring New Avenues for Innovation and Research Policies”** was hosted by CIRCLE in Lund, Sweden on 7-10 June 2016. See annex 3 for final report report and [http://www.euspri-forum.eu/archives/Annual\\_Conferences/eu-spri-annual\\_conference\\_2016/](http://www.euspri-forum.eu/archives/Annual_Conferences/eu-spri-annual_conference_2016/) for more information.
- **Annual conference 2017 on “The future of STI – the future of STI policy”** will be hosted by AIT in Vienna in Austria on 7-9 June 2017.
- **Annual conference 2018-2022**  
The table below shows an agreement as to how the expression of interests are allocated to the next five years. These expressions are not binding for the proposers and for the ExCo until the proposers have formally submitted a full proposal following requests by the ExCo nearer to the time.

Host	Theme	Year
IFRIS, Paris	New generation of research and innovation policies	2018
IRCRES CNR, Rome	Organization and Governance for Sustainable Research and Innovation	2019
Univ. Utrecht	Institutions and “entrepreneurial state”	2020
Univ. Oslo/TIK & NIFU	Exploring links and tensions between research and innovation policy	2021
SPRU, Brighton	Innovation Policy for Transformative Change	2022

## Exploratory Scheme Activities 2014-2015

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. Calls are open to researchers from Member Organisations; researchers from non-member organisations can 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.

In the reporting periode we launched one call for Eu-SPRI Exploration Scheme Activities 2016/17 with the deadline of 30 September 2016. One proposal was received by the deadline 30 September 2016. One project was submitted and granted **Project granted:** “Evolving Institutions for Knowledge and Innovation”. Responsible: Gaston Heimeriks, Elvira Uyarra, Magnus Gulbrandsen and Andrea Bonaccorsi. In annex 6 you find some information of an earlier exploratory initiative on Social Innovation.

## Eu-SPRI Book series with Edward Elgar

The Edward Elgar EU SPRI series aims at promoting forefront research in the field of STI policy. An agreement for Eu-SPRI Book series with Edward Elgar was signed in 2013. See published books on: <http://www.euspri-forum.eu/eu-spri-book-series/>

## Annexes

- Annex 1: PhD Circulation successful candidates attached
- Annex 2: Final report ECC Science, Innovation and the University: keys to social impact, hosted by INGENIO in Valencia on 14-15 April 2016, attached
- Annex 3: Final report Annual conference in Lund on 7-10 June 2016, attached
- Annex 4: Final report ECC Science, Technology and Innovation Policy hosted by Vienna 21-23 Nov 2016, attached
- Annex 5: Final report Winter School Innovation Policy for Transformative Change hosted by SPRU University of Sussex on 16-20 Jan 2017, attached
- Annex 6: Outcome of the exploraty initiative project on social innovation, attached.
- Annex 7: Rules for supporting Eu-SPRI events and activities attached

## **Annex 1**

### **Successful Candidates from Eu-SPRI Forum 16th call for PhD Circulation Mar 2016**

1. María Alejandra Tejada Gómez, home institute –University of Twente, The Netherlands, supervisor – Stefan Kuhlmann and Hector Gonzalo Ordoñez Matamoros, will go to INGENIO (CSIS-UPV), Valencia, Spain, supervisor – Jordi Molas-Gallart and Ismael Rafols García, for 3 months. The title of her thesis is: Governance of research at university: the response to demands in the context of the Scientific Journals System in Colombia – SJSC.'

### **Successful Candidates from Eu-SPRI Forum 16th call for PhD Circulation Jun 2016**

2. Julia Planko, home institute – Utrecht University, Utrecht, The Netherlands, supervisor – Maryse M. H. Chappin, will go to INGENIO (CSIS-UPV), Valencia, Spain, supervisor – Davide Consoli, for 3 months. The title of her thesis is: 'Collective system building: How innovating firms can accelerate sustainability transitions.'
3. Elena Denia, home institute - INGENIO (CSIS-UPV), Valencia, Spain, supervisor - Pablo D'Este, will go to Copernicus Institute of Sustainable Development, Utrecht University, The Netherlands, supervisor – Koen Frenken, for 3 months. The title of her thesis is: 'Public attitudes toward science and knowledge diffusion in Twitter'.
4. Thanh Thao Pham, home institute – LISIS - Institut Francilien Recherche Innovation Société (IFRIS), Université Paris-Est, France, supervisor - Philippe Larédo, will go to Fraunhofer Institute for Systems and Innovation Research (ISI), Germany, supervisor – Wolfgang Eichhammer for 4 months. The title of her thesis is: 'An organized population of actors in the messy decentralized, downstream photovoltaic industry.'
5. Diego Chavarro, home institute - Science Policy Research Unit (SPRU), University of Sussex, UK, supervisor – Puay Tang, will go to INGENIO (CSIS-UPV), Valencia, Spain, supervisor – Jordi Molas-Gallart for 3 months. The title of his thesis is: 'The emergence and growth of new communication channels for scientific research. The case of alternative journal indexing systems.'

**Note: no submissions received for the November 2016 call**



## Annex 2

**Final report ECC Science, Innovation and the University: keys to social impact hosted by INGENIO in Valencia on 13-15 April 2016**

### FINAL REPORT

**Eu-SPRI Forum Early Career Researcher Conference (ECC): “Science, Innovation and the University: Keys to Social Impact” Organized by INGENIO (CSIC – UPV) Held in Valencia, 13-15 April 2016**



## 1. Introduction

Eu-SPRI Forum Early Career Research Conference (ECC): “Science, Innovation and the University: Keys to Social Impact” it took place in Valencia (Spain) on 13<sup>th</sup>, 14<sup>th</sup> and 15<sup>th</sup> April 2016. Thirty six doctoral students and early career researchers participated in the conference. Ten of the participants belong to Eu-SPRI partner institutions. Participants had the opportunity to present their work in 15-minutes slots, followed by comments and improvement suggestions from a either a senior or a junior discussant, and from the audience. Additionally, the event provided a social space to share common interests and build research networks among the young community of participants. One of the most interesting activities was “beers for science and innovation” on 14<sup>th</sup> April. This activity was highly valued by participants.

## 2. General overview of the event

### 2.1. Academic aspect of the event

Overall, both the organization and the celebration of the event are considered highly satisfactory from both organisers and participants. Almost forty extended abstracts were received, coming from a wide range of institutions and countries. After the evaluation of the scientific committee, 29 contributions were selected and grouped into nine panels, meaning an acceptance rate of around 90%. The overall

quality of the selected contributions was notably high, and overall, participants obtained useful feedback and constructive comments before their arrival to the conference and right after their presentations.

The conference was complemented by two talks by distinguished scholars, two workshops and one talk on the possibilities offered for early career researchers by RISIS. The first day (April 13) Prof. Jos van den Broek (Leiden University) opened the conference with a talk on “Think Global: World Citizenship & Responsibility in Science Communication & Education”. After the first parallel session, professor Katherine Matles (ESL Professor, CDL) from Universitat Politècnica de València (UPV) run the workshop “How to Sharpen your research writing skills: Guidelines and resources”. The last keynote speaker’s talk was given by professor Catherine Paradeise, PhD (Université Paris Est/ Institut Francilien Recherche, Innovation, Sociétés) on “Strategic Capacity and Organisational Capabilities: A Challenge for Universities”. Both talks allowed participants to have a comprehensive picture of the state of the art in Science Communication, and of the challenges that Higher Education researchers and practitioners may have to face in the coming years, respectively. On Thursday afternoon, Professor Philippe Laredo, PhD gave also a talk on “Possibilities offered by RISIS for Early Career Researchers”, which was highly appreciated by all participants for its useful tips and advices. On the last day (April 15th) there was a workshop on “Mixed Methods in Research” by Professor Dr. Carles Simó, PhD (University of Valencia). The Conference Closure talk was given by Professor Philippe Laredo, PhD. Immediately after his closure talk, he announced the prize winner with the best paper of the conference.

Participants had the opportunity to hold interesting intellectual conversations among them and among senior researchers during the three days. Topics were mainly related to participants’ research papers, and to career development activities and strategies.

## 2.2. Social activities

Besides academic activities during the event, there was also room for networking or simply chatting with other participants. Leisure time was also crucial for these networking activities. At the beginning we thought it was not better not to include some social events formally in the budget, but we had the risk of poor attendance. Therefore we decided to organise some social events because they were key to offer more relaxed and thereby strengthening ties among participants. For that reason, we organized the “beers for science and innovation” activity on 14th April, and a concert by “The Chicken Riders Band” during the last lunch on 15th April. Both activities were highly valued and appreciated by attendees as we could register (via formal satisfaction survey and informal e-mails and face to face conversations between organisers and participants).

When preparing the budget, we did not include the payment for workshop presenters. These payments are now included in the real cost figures. The two above mentioned social activities are also included in the real cost figures.

## 3. Participants' evaluation

In order to know participants’ opinions and insights about the organization and the content of the event, a survey (with a section for further comments) was designed and given to all participants. Overall, results indicated a **high level of satisfaction** of both the scientific program and the social program.

U1. Thank you very much!!! The conference was fantastic in all terms! Great organization

U6. Great conference! Very interesting, lots of fun. Thanks!

### Scientific quality and feedback

On a scale ranging from 1 to 4 (1 = very bad/ not at all; 4 = very good/ a lot), the overall scientific quality of the event was rated with a **score of 3.62**. The feedback received was valued with a **3.62**

which means a high satisfaction with the feedback and suggestions to improve participants' research papers.

U20. (...) great comments and dedication from both senior and junior discussant. I am definitely going to promote this confer to my peers. Big thanks to organizers. You done great work.

The rate of the parallel session was evaluated in terms of quality and feedback. The quality of the presentations was assessed high with **a score of 3.20**. The feedback, debate or comments received with **a 3.48**. Although there are some aspects which can be improved:

U22. Very well organised! The feedback was really useful especially that it was both verbal + or papers. The structure worked very well. The only think i would have changed would have been to make the non-parallel presentation session shorter and turned into a parallel as it felt very long.

Regarding the parallel sessions, the timetable was suggested to be improved.  
Someone indicated that the second day of activities were a bit tight.

U14. My suggestion would be to have 3 full days of 9-5pm became lot and 2nd day of conference was too long. I couldn't follow afternoon session. I think 9-18:30h or 19h is too long, so my suggestion is to have 3 full days 9 to 17:00h

#### Organization and Social program

Organization and social program were the areas with the highest scores. The event management (website, application and registration procedure) received a high score (**3.80**). Some improvements were suggested in qualitative comments.

U23. You're great. Better communication to the participants about ongoing schedule changes (suggestion).

U26. (...)I suggest improving the entry request of papers otherwise great!

The social agenda proposed in parallel to the academic conference was rated positively as well (the mean satisfaction rate for all events was **3.88**).

Finally, one of the important aspect in the Conference was to promote scientific and professional networks. For the participants was achieved with an average **score of 3.42**.

U20. I enjoy very much in this wonderful conference. Great atmosphere, very inspiring... unique opportunity to network with future leaders in the field... (...)

U26. Very well organised! Congratulations! I think the social networking part of the event extremely important and the organisers were able to provide perfect types of activities for this. (...)

#### Keynote speech & Workshops

Regarding the quality of the keynote speakers' talks, participants also reported high satisfaction levels. The first talk by Jos van den Broek "Think Global World Citizenship & Responsibility in Science Communication & Education" was valued with an **average score of 3.27**. Catherine Paradeise's talk "Strategic Capacity and Organisational Capabilities: A Challenge for Universities" with **a 3.32**. Finally Philippe Laredo's talk received the highest and best score: **3.54**.

There were two workshops: "How to sharpen your research writing skills: guidelines and resources" by Katherine Matles was valued with an **average score of 3.52**, and "Mixed Methods in research" by Carles Simó which received the lowest **score 2.58**.

U18. I was expecting a bit more of basis or concepts of Mixed Methods during the speech of Carles Simo. We know the importance of other people's research in terms of the methods they used, but I was expecting more of the theory cv applied examples during the talk.

## Annex 3

### Final report Annual conference in Lund on 8-10 June 2016

**2016 EU-SPRI CONFERENCE 8-10, June 2016 Lund, Sweden** Exploring new Avenues for Innovation and Research Policies  
Johan Miörner, Charles Edquist

## The conference content

The key objectives of the conference were to provide a forum for scholars interested and active in the areas of research and innovation policy analysis to exchange ideas and present findings across disciplinary boundaries as well as interaction between researchers and policy-makers/politicians. Participants from a wide range of countries and disciplines attended and presented at the conference. We received more than 240 abstracts. These were sent out to a scientific committee consisting of 80 researchers. Each abstract was sent to at least two reviewers. When the abstract had been submitted to a track theme, one of the reviewers was the track organizer. A great majority (more than 90%) of the reviewers submitted their reviews.

Based on the reviews, the local organizing committee decided to accept 165 abstracts. In the end, the conference had 160 presentations and 262 participants.

The Lund EU-SPRI Annual Conference 2016 welcomed both conceptual/theoretical and empirical contributions that provide scientific underpinnings for innovation and research policies. We welcomed papers focusing on policies as the object of analysis as well as papers addressing the policy implications of other related kinds of analyses. We believe that the selection of abstracts resulted in a balance between these general areas, as well as between innovation- and research policy. In the context of the conference, innovation policy and research policy was understood here as actions by public and semi-public organizations that influence, respectively, innovation and research. Research policy has been examined theoretically and empirically for many decades while innovation policy is gradually becoming established as an independent policy area. As more and more new initiatives are being undertaken in all parts of the world, new innovation policy instruments are being created and new public policy agencies are being established – at international, national, regional and local levels. This was well captured by the presenting scholars, approaching both innovation and research policy from novel directions, both conceptually and methodologically.

The conference covered the following areas:

- Knowledge foundations for research and innovation policies
- The relationship between innovation theory and innovation policy
- The development of innovation policy as an independent area, and its interactions with other policy areas (education, climate, health, entrepreneurship, employment, growth, industrial policies)
- Research methods in innovation and research policy analysis
- Challenges in designing, organizing, governing, implementing and evaluating innovation and research policies (rationales for policy, policy objectives, use of indicators and comparative studies to identify policy problems and their causes, policy development, policy learning, etc.)
- The practice of innovation and research policies across different countries and regions (both developed and developing countries/regions)
- Emerging themes and topics such as global challenges, the development of new innovation and research policy instruments, demand-oriented innovation policies and the role of the public element in private-public partnerships

## Description of the nine track themes

### Track theme 1: Conceptualizing Social Innovation through 'classical' innovation studies and approaches

Positioning social innovation in the arena of innovation conceptualizations has attracted significant attention in academic debates. However, these debates are not fully capitalizing on the knowledge accumulated in classical innovation studies and approaches in relation to innovation generation and diffusion, systems of innovation, spatial and socio-cultural aspects of innovation. The aim of this track theme is to inform the analytical debate concerning social innovation accordingly and reflect on consequent implications for innovation governance and policy development. Research questions include (not exclusively):

- What are the boundaries – if any – between these different innovation concepts (social, business, technological, etc.) or are we talking about different aspects – social, technological etc. – of the same phenomenon in an all-encompassing innovation system?

- How do the sources (inputs, actors), organizations, institutions, interactions and outputs (benefits, impacts) compare across 'classical' and 'social' innovation processes?
- What happens if the framework of the market economy is taken out of the conceptualization of innovation?
- How does social innovation relate to other recent notions such as e.g., "responsible innovation"?
- What are the consequences for innovation governance and policy development?

### Track theme 2: Innovation Paradigms in the Bioeconomy

For this track theme, the interest is in exploring new or alternative institutions and policies that aim to produce a more economically, socially and sustainable bioeconomy. The 'bioeconomy' is broadly conceived to include all activities of economic significance arising from green biological resources and based on land, marine and fresh water and humans, and including related value chains, waste or byproduct

streams and eco-system services. The theme focus is mainly - but not exclusively - on the 'new' bioeconomy, conceived as the utilization of these bio-resources as building blocks for a wide range of goods and services that can substitute for those based on fossil fuels. This track welcomes papers from all parts of the world that address economic, social, policy, institutional, governance or environmental issues, including those that consider the use of an integrated approach to explore the interrelations among such elements in the emergent bioeconomy. Both empirical (including case studies) and theoretical contributions are welcomed, for example concerning:

- Innovation and related development policies and practices that aim to reconcile economic, social and environmental conflicts in the emergent bioeconomy at different territorial levels
- Bioeconomy innovations, institutions and policies aiming at sustainable local and regional development
- STI, DUI, forms of knowledge and participatory practice in bioeconomy innovations
- New paradigms of innovation in the bioeconomy.

### Track theme 3: Can we still learn from evaluations? Exploring new avenues in the evaluation of STI policies

Legitimization and learning are the two most important functions of evaluations. Currently, we are faced with somewhat conflicting trends in the evaluation practice of STI policies. On the one hand, intensified calls for maximizing the impact of public spending increases the demand for legitimizing evidence through evaluations. On the other hand, the increasing mission-orientation of STI policies and other new, more complex policy approaches call for evaluation approaches which assist in the learning of policy makers and stakeholders. In this track we want to discuss possible avenues for cultivating "learning" from evaluations, as well as developing a broader and more inclusive STI evaluation practices. We welcome proposals on topics such as:

- the contextualization of the evaluation into the research and innovation landscape and the relevant policy mix
- the assessment of mission-contribution, e.g. societal impacts
- contribution versus attribution of effects in impact analysis
- new modes of stakeholder participation

### Track theme 4: New avenues for regional innovation policies

It is widely accepted that innovation policy has to adapt to different regional conditions, including those in regions and industries dominated by experience-based knowledge and the DUI (Doing, Using, Interacting) innovation mode. These regions and industries have in general little R&D-activity, and may experience problems with the renewal of existing and the creation of new industries. This Track Theme welcomes conceptual and empirical papers that discuss the organization, implementation and effects of innovation policy beyond R&D-intensive regions and industries.

Key themes:

- Conceptual discussions of different types of DUI innovation policy
- Empirical studies of specific DUI innovation policies or policy tools
- Identification of relevant target groups for DUI policy, e.g. regional clusters and innovation systems versus individual firms
- The use of DUI policy to stimulate industrial renewal and the creation of new industries outside core regions

### Track theme 5: Inclusive innovation policies: Research and Policy insights from the global north and south



An inclusive approach concerns both the global north and south, although in somewhat different ways. In less advanced economies, innovation activities are acquiring a form described by terms such as inclusive, frugal, informal, pro-poor and so forth. These terms aim to capture the essence of concepts important in innovation activities in environments where inequality, low skill level and/or lack of supportive institutions prevail. In advanced economies, on the other hand, an inclusive approach has emerged as well, but for different reasons. Based on a view that innovativeness may be significantly increased by openness and including the users or other stakeholders in the cocreation and innovation process, the inclusive approach in advanced economies has turned to concepts such as open innovation, user-driven innovation or democratization of innovation. Thus, inclusiveness seems to be an increasingly important aspect in innovation in both advanced and less advanced economies.

We consider papers with the following content, for example, as relevant contributions for the theme:

- Analyses of policies and practices directly or indirectly contributing to inclusion, democratization and empowerment regarding research, development and innovation activities and related policies
- Analyses of obstacles to or effects of inclusive forms of innovation and/or related policies
- Conceptual analyses of inclusive, democratized, frugal and social innovations, and related concepts

Transfer of lessons learned from the global south to the north or vice versa.

### Track theme 6: (Re)searching the critical 'meso' level: Learning innovation agencies and entrepreneurial ecosystems

The 'meso level' efforts of learning innovation agencies are to play a new and increasingly important role: from 'funding and coordination' to 'facilitation and orchestration' of entrepreneurial ecosystems. Herein, further understanding is needed to advance the theory and practice of:

- innovation agencies in experimenting new instruments
- open innovation schemes like IP licensing, open-source platforms and partnerships
- capital investments and corporate and university venturing
- foresight, intelligence and learning within innovation agencies.

### Track theme 7: Designing transformative change: Attempts to bridge mission-oriented R&I and the dynamics of socio-technical change

"Grand Challenges" are increasingly being accepted as reference points for research and

innovation policy, and a growing number of governmental strategies reflect this normative turn towards 'new missions.' As Grand Challenges are highly complex and broad in scope and because they cut across techno-scientific, societal and economic domains, combined R&I strategies are required. Sustainable transitions literature and reflexive governance approaches are two strands of literature currently seeking solutions to tackle these far-reaching societal problems.

The objective of this track theme is to consider how different conceptual approaches might address aspects of governance for meeting Grand Challenges. We encourage abstracts from different strands of literature on topics such as:

- Identifying the nuclei for transformative change – understood as changes in the structure of science-society relations and in the knowledge base
- Attempting to develop combined concepts for governance of transformative change and/or attempting to apply combined approaches empirically.

### Track theme 8: Advancing urban living labs

Urban living labs are proliferating across Europe as a means for testing innovations in buildings, transport and energy systems. They refer to sites devised to design, test and learn from social and technical innovation in real time. Despite the experimentation taking place on the ground, there is a lack of systematic learning across urban and national contexts. This track theme invites papers that address the design and development of urban living labs, including those that address:

- The ways in which urban living labs are being planned and designed
- How, by whom and with what impact urban living labs are put into practice
- The processes through which urban living labs create an impact beyond their immediate domain
- The underlying challenge of how to learn from urban living labs and use such learning to shape policies for urban innovation

## Track theme 9: Fostering innovation and industrial development in globalized innovation systems: Policy challenges in a multipolar world economy

The global economy is shaped by the integration of emerging economies, in particular in Asia, into global innovation and production networks. Firms in emerging markets are no longer mere recipients of technological innovation, but also drivers of innovation and technological change. The proposed track theme aims to advance our understanding of these changing interdependencies within globalizing innovation systems and of the ways that they are being shaped – and are reshaping – innovation and industrial policy. In particular, contributions are welcomed that integrate an innovation system perspective with concepts from the literature on global production networks/global value chains/global innovation networks. This session is interested in (but not limited to) papers that address issues such as:- Increasing inter-linkages and feedback between industrialized and emerging economies in the

innovation process and related challenges for innovation policy

- The opportunities and challenges of international cooperation in innovation policy between industrialized and emerging economies

- The role of policy and institutions in the formation of globally competitive industries with a particular focus on emerging cleantech sectors

## Key note speakers

### Mariana Mazzucato

Mariana Mazzucato, Professor in the Economics of Innovation at the Science Policy Research Unit (SPRU) of the University of Sussex, held our opening keynote speaker at the EU-SPRI Conference in Lund 2016. The title of her presentation was “Innovation Policy: from fixing failures to mission-oriented market making and shaping” Professor Mazzucato’s research focuses on the relationship between financial markets, innovation, and economic growth—at the company, industry and national level. She is currently working on various research projects commissioned by organizations including NASA, and the Brazilian Ministry for Science and Technology. She has held academic positions at the University of Denver, London Business School, Open University, and Bocconi University. Her recent book *The Entrepreneurial State: debunking public vs. private sector myths* (Anthem, 2013) was on the 2013 Books of the Year list of the Financial Times. It focuses on the need to develop new frameworks to understand the role of the state in economic growth—and how to enable rewards from innovation to be just as ‘social’ as the risks taken. Professor Mazzucato is winner of the 2014 New Statesman SPERI Prize in Political Economy and in 2013 the New Republic called her one of the ‘3 most important thinkers about innovation’. She advises policy makers around the world on innovation-led growth and is currently a member of the Scottish Government’s Council of Economic Advisors; a member of the World Economic Forum’s Council on the Economics of Innovation; a permanent member of the European Commission’s expert group on Innovation for Growth (RISE), a member of the UK Labour Party’s Economic Advisory Committee and a member of SITRA’s (the Finnish Innovation Fund) Advisory Panel.

### Dirk Pilat

Dirk Pilat held a key-note speech with the title “Innovation Policy – New Insights, New Questions, New Directions”. He is the Deputy Director, Directorate for Science, Technology and Innovation, OECD, and coordinated the recent OECD work on “The Innovation Imperative”. He will speak about the OECD Strategy on Innovation.

Dirk Pilat, a Dutch national, is Deputy Director of the OECD Directorate for Science, Technology and Innovation. He helps the Director of STI in overseeing OECD’s work on innovation, business dynamics, science and technology, information and communication technology policy as well as the statistical work associated with each of these areas. He also helps ensure this work contributes to the strategic objectives of the Organisation to support and develop better policies for better lives.

He joined the OECD in February 1994 and has worked on many policy issues since then, including innovation, the role of digital technologies for economic growth, climate change and environmental innovation, labour markets, regulatory reform, global value chains, productivity and entrepreneurship, as well as health innovation. He was one of the coordinators of the 2015 OECD report *The Innovation Imperative – Contributing to Productivity, Growth and Wellbeing*, that brings together policy analysis on innovation from across the OECD.

He was responsible for the OECD’s Committee for Scientific and Technological Policy from 2006 to January 2009, and for the Committee on Industry, Innovation and Entrepreneurship from February 2009 to December 2012.

Before joining the OECD, he was a researcher at the University of Groningen, where he also earned his PhD in Economics, working primarily on productivity and economic growth. He has published widely both before and since joining the OECD.



## Appendix: Conference program

DAY 0: Tuesday 7th June - Registration and reception									
17.00-19.00	Small Reception/Registration (Venue: Stadshallen Övre foajé/nedre foajé)								
DAY 1: Wednesday 8th June									
8.00-9.00	REGISTRATION - Stadshallen Ground Floor								
9.00-9.15	OPENING PLENARY: Welcome (Venue: Konsertsalen, Stadshallen)								
9.15-10.00	KEYNOTE: Mariana Mazzucato (Innovation Policy: from fixing failures to mission-oriented market making and shaping) (Venue: Konsertsalen, Stadshallen)								
10.00-10.30	Coffee Break								
10.30-12.30	PARALLELS SESSIONS 1								
	1A. TRACK THEME 1: CONCEPTUALIZING SOCIAL INNOVATION THROUGH 'CLASSICAL' INNOVATION STUDIES AND APPROACHES (I) - Venue: Konsertsalen, Stadshallen	1B. PERFORMANCE OF INNOVATION SYSTEMS - Venue: Sessionsalen, Stadshallen	1C. THE ROLE OF UNIVERSITIES FOR INNOVATION POLICY- Venue: Nya Fest, AF Borgen	1D. TRACK THEME 2: INNOVATION PARADIGMS IN THE BIOECONOMY (I) - Venue: Lilla Salen, AF Borgen	1E. TECHNOLOGY, R&D AND INNOVATION - Venue: Sångsalen, AF Borgen	1F. TRACK THEME 3: CAN WE STILL LEARN FROM EVALUATIONS? EXPLORING NEW AVENUES IN THE EVALUATION OF STI POLICIES (I) - Venue: Hörsalen, Stora Algatan 4			
	Chair: Effie Amanatidou	Chair: Marko Hekkert	Chair: Magnus Gulbrandsen	Chair: Lisa Scordato	Chair: Pier Paolo Saviotti	Chair: Stephanie Daimer			

	1	Social Innovation and the Role of the State: Case Study of Norway and Latvia. Anete Vītola	1	Using Data Envelopment Analysis to assess the performance of national innovation systems in Europe. Jon Mikel Zabala-Iturriagagoitia and Charles Edquist	1	Why do firms, universities and knowledge institutes collaborate in multidisciplinary research programs? A mixed methods approach to evaluation. Kevin Broecks and Frank van Rijnsoever	1	Sustainable Bioenergy Development: implications for innovation policy. Bianca Cavicchi	1	Does rivalry in R&D foster harmful innovations? Sylvain Hours	1	Taking the Road Less Travelled: Evaluating and Monitoring the Socio-Economic Impact of Investment in Research Infrastructures. Elina Griniece, Alasdair Reid and Dr Jelena Angelis
	2	'Classical' innovation studies and their relevance for analysing social innovation. Attila Havas	2	Innovation Output in Sweden and Finland, 1970-2013. Evidence from economic history. Astrid Kander, Matthias Deschryvere, Robert Van Der Have, Nina Rilla, Karolin Sjöo and Josef Taalbi	2	Academic-policy engagement in the science and technology policy process: Capability and motivation factors. Andrew James and Duncan Thomas	2	Policy supported innovation network formation in the bioeconomy – the case of biorefinery technology innovation in Sweden. Fredric Bauer, Teis Hansen, Hans Hellsmark and Johanna Mossberg	2	The variety of related variety studies: technological relatedness in analysis of inter-firm R&D cooperative projects. Jiří Blažek, David Marek and Viktor Květoň	2	Towards a Typology of Innovation System Evaluation Practices - Evidence from EU Member States. Mart Laatsit and Susana Borrás
	3	Towards a theoretically sound concept of social innovation as part of a comprehensive innovation theory – Results of the first global mapping of social innovation initiatives. Jürgen Howaldt and Dmitri Domanski	3	Science, the State and the City: Britain's struggle to imitate US success in Biotechnology and its lessons on the limits of innovation systems building. Michael Hopkins and Geoffrey Owen	3	Different recipes for the same dish: comparing policies for scientific excellence across different countries. Edwin Horlings, Leon Cremonini and Laurens Hessels	3	CAPABILITIES TOWARDS BIOECONOMY: ANALYSING REGIONAL CAPABILITIES AND THE ROLE OF REGIONAL INNOVATION POLICY IN THE THREE FINNISH CASE-REGIONS. Valtteri Laasonen and Jari Kolehmainen	3	The embedding of emerging technology fields in research and markets. Douglas K. R. Robinson, Philippe Laredo, Aurelie Delemarle and Axel Lagnau	3	Towards a novel method of research evaluation: tracking proximity change in translational research projects. Frédérique Lang, Michael Hopkins, Jordi Molas-Gallart, Ismael Rafols and Puay Tang
	4	Bridging the gap between innovation studies and social innovation research: Conceptualising social innovations as service innovations with a social purpose. Doris Scharfing and Matthias Weber	4	Policy and practice in performance-based research funding systems. Bea Mahieu and Erik Arnold	4	Long-term impact of R&I funders on Swedish HEIs collaboration with external actors. Tobias Fridholm	4	THE BUSINESS OF BIOECONOMY: PATENT RACES IN LIGNOCELLULOSIC BIOFUELS. Hannes Toivanen and Michael Novotny			4	Do vouchers make a difference? A study of vouchers for improving organizational capabilities in firms. Edurne Magro and Jon Mikel Zabala-Iturriagagoitia
12.30-14.00		Lunch (Venue: Tegnér's Matsalen, AF Borgen)										

14.00-16.00	PARALLELS SESSIONS 2					
	2A. TRACK THEME 1: CONCEPTUALIZING SOCIAL INNOVATION THROUGH 'CLASSICAL' INNOVATION STUDIES AND APPROACHES (II) - Venue: Konsertsalen, Stadshallen	2B. ENERGY, INNOVATION AND ENVIRONMENT - Venue: Sessionsalen, Stadshallen	2C. INNOVATION SYSTEMS AND SUSTAINABILITY TRANSITIONS (I) - Venue: Nya Fest, AF Borgen	2D. TRACK TEAM 2: INNOVATION PARADIGMS IN THE BIOECONOMY (II) - Venue: Lilla Salen, AF Borgen	2E. REGIONAL INNOVATION SYSTEMS AND INNOVATION POLICY - Venue: Sångsalen, AF Borgen	2F. TRACK THEME 3: CAN WE STILL LEARN FROM EVALUATIONS? EXPLORING NEW AVENUES IN THE EVALUATION OF STI POLICIES (III) - Venue: Hörsalen, Stora Algatan 4
	Chair: Atilla Havas	Chair: Martin Srholec	Chair: Erik Skärback	Chair: Bianca Cavicchi	Chair: Jerker Moodysson	Chair: Elina Griniece
1	Modelling Actors' Roles and Interactions in Social Innovation Processes. Judith Terstriep and Anna Butzin	1 Cross-pollination in bioenergy: Innovation networks between the bioenergy and biotechnology in Denmark. Kalle Piirainen	1 Cluster strategies for the North Sea the offshore wind service sector. A sectoral innovation system foresight. Per Dannemand Andersen and Kalle A. Piirainen	1 Value chain structures that define second generation bio-refineries in Europe. Jay Gregg, Simon Bolwig, Teis Hansen, Ola Solér, Sara Ben Amer-Allam, Júlia Pladevall Viladecans, Lars Coenen, Antje Klitkou and Arne Fevolden	1 Innovation Policies for a Creative Economy: Challenging the dominance of STI and "Research". Bruce Tether and Mickael Benaim	1 Evaluating large R&D&I support programmes using a systemic innovation perspective. The case of the EU Framework Programmes. Frans van der Zee and Hanna Kuitinen
2	The role of societal engagement in social innovation. Effie Amanatidou, Dimitri Gagliardi, Rafael Popper, Deborah Cox and Guillermo Velasco	2 The Need for Governance by Experimentation: the Case of Biofuels. Lotte Asveld	2 Structuring signals of transition towards the platform economy: combining horizon scanning and the multi-level perspective. Mikko Dufva, Heidi Auvinen and Raija Koivisto	2 Governance in transitions: directionality and heterogeneity towards a bioeconomy. Lisa Scordato, Markus Bugge and Arne Fevolden	2 Formal and informal institutions as drivers of regional economic diversification. Nicola Cortinovis, Jing Xiao, Ron Boschma and Frank van Oort	2 What Bangs for your Bucks? Assessing the design and impact of transformative policy. Matthijs Janssen

	3	"Taking a Multi-Level Perspective on Social Innovations - from Grass Root Movement to Transformation". Susanne Giesecke	3	The characteristics and dynamics of the Danish energy innovation system in perspective: a patent-based analysis. Lourenço Faria and Kalle Piirainen	3	Perceptions of problems and solutions in innovation systems: The influence of institutional logics in the empirical domain of renovating houses energy-efficiently. Alco Kieft, Robert Harmsen and Marko Hekkert	3	Natural resource diversity and Knowledge idiosyncrasies. Implications for resource intensive development paths and sustainability transitions. Allan Dahl Andersen and Olav Wicken	3	Towards a Dynamic Perspective on Leadership in Regional Innovation Systems. Johan Mörner	3	Impact assessment and grand challenges. Magnus Gulbrandsen, Jakob Edler and Jordi Molas-Gallart
	4	Cooperating in Policy and Theory for Social Innovation: Linking Cooperative Enterprises, Social Innovation and Social Entrepreneurship. Lisa Dale-Clough and Kate Barker	4	The Entrepreneurial Chinese State. Innovation in China's wind turbine industry. Marius Korsnes					4	Cross-Industry Innovation Capability for Path Renewal. Elisabet S. Hauge, Nina Kyllingstad, Natalia Maehle and Ann Camilla Schulze-Krogh	4	Towards an indicator framework and monitoring system for the evaluation of next-generation structural-oriented RTI programmes. Michael Dinges, Jakob Edler and Matthias Weber
16.00-16.30		Coffee Break										
16.30-18.30		PARALLELS SESSIONS 3										
		3A. INTERNATIONALIZATION AND INNOVATION - Venue: Konsertsalen, Stadshallen		3B. INNOVATION, ENTREPRENEURSHIP AND ECONOMIC GROWTH - Venue: Sessionsalen, Stadshallen		3C. INNOVATION SYSTEMS AND SUSTAINABILITY TRANSITIONS (II) - Venue: Nya Fest, AF Borgen		3D. INNOVATION AND MEDICAL APPLICATION (I) - Venue: Lilla Salen, AF Borgen		3E. PUBLIC PROCUREMENT FOR INNOVATION (I) - Venue: Sångsalen, AF Borgen		3F. TRACK THEME 8: ADVANCING URBAN LIVING LABS - Venue: Hörsalen, Stora Algatan 4
		Chair: Elena Zukauskaitė		Chair: Emanuela Reale		Chair: Koen Frenken		Chair: Carsten Dreher		Chair: Jon Mikel Zabala		Chair: Kes McCormick
	1	The application of the "universal" excellence in "peripheral" countries. Ismael Rafols and Jordi Molas-Gallart	1	A critical review of entrepreneurial ecosystems: towards a future research agenda. Yana Borissenko and Ron Boschma	1	How Policies Affect the Economics of Distributed Energy Storage: A Case Study in California. Jan Ossenbrink, Sveinbjörn Finnsson, Catharina R.	1	Divergent trajectories of sectoral evolution: The case of Traditional Chinese Medicine in China (1949-2015). Chao-Chen Chung and Hao Hu	1	Early supplier involvement and public procurement for innovation: evidence from Finland. Ville Valovirta, Juha Oksanen, Antti Pelkonen and Matthias Deschryvere	1	Experimentation and Institutionalization: The case of Urban Living Labs. Lea Fuenschilling and Niki Frantzeskaki

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16.30-18.30		PARALLELS SESSIONS 3											
		3A. INTERNATIONALIZATION AND INNOVATION - Venue: Konsertsalen, Stadshallen	3B. INNOVATION, ENTREPRENEURSHIP AND ECONOMIC GROWTH - Venue: Sessionsalen, Stadshallen	3C. INNOVATION SYSTEMS AND SUSTAINABILITY TRANSITIONS (II) - Venue: Nya Fest, AF Borgen	3D. INNOVATION AND MEDICAL APPLICATION (I) - Venue: Lilla Salen, AF Borgen	3E. PUBLIC PROCUREMENT FOR INNOVATION (I) - Venue: Sångsalen, AF Borgen	3F. TRACK THEME 8: ADVANCING URBAN LIVING LABS - Venue: Hörsalen, Stora Algatan 4						
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	3	Regional responses and RIS-building strategies. Stig-Erik Jakobsen, Rune Njøs and Jens Kristian Fosse	3	How outward looking is smart specialisation? Mechanisms, drivers and barriers to interregional collaboration in research and innovation policy. Chiara Marzocchi, Jens Sörvik and Elvira Uyarra	3	Strategic Innovation Policy- Notes from a System- Evolutionary Perspective. Morris Teubal	3	Inclusiveness in innovation – what does it take to make it happen? Mika Kautonen, Nadja Nordling and Miika Raunio	3	Addressing the challenges of innovation governance – what role for research and innovation policy councils? Sylvia Schwaag-Serger, Emily Wise and Erik Arnold		
	4	What's the policy logic all about? Contrasting institutional logics in innovation policy in Norway & Finland. Roger Normann, Yuzhuo Cai, Rómulo Pinheiro and Markku Sotarauta	4	Current status and future prospects of evidence-based research & innovation policy: the case of smart specialisation. Mafini Dosso and Sjoerd Hardeman			4	European Integration and the attraction of skilled individuals to Sweden. Yannu Zheng and Olof Ejermo	4	Towards a Taxonomy of Science and Innovation Policy Instruments. Abdullah Gök, Yanchao Li, Paul Cunningham, Jakob Edler and Philippe Laredo		
10.30-11.00		Coffee Break										
11.00-13.00		PARALLELS SESSIONS 5										
		5A. TRACK THEME 4: NEW AVENUES FOR REGIONAL INNOVATION POLICIES (II) - Venue: Konsertsalen, Stadshallen	5B. THEORETICAL PERSPECTIVES ON INNOVATION POLICY - Venue: Sessionsalen, Stadshallen	5C. TRACK THEME 9: FOSTERING INNOVATION AND INDUSTRIAL DEVELOPMENT IN GLOBALIZED INNOVATION SYSTEMS: POLICY CHALLENGES IN A MULTIPOLAR WORLD ECONOMY (II) - Venue: Nya Fest, AF Borgen	5D. TRACK THEME 5: INCLUSIVE INNOVATION POLICIES: RESEARCH AND POLICY INSIGHTS FROM THE GLOBAL NORTH AND SOUTH (III) - Venue: Lilla Salen, AF Borgen	5E. TRACK THEME 7: DESIGNING TRANSFORMATIVE CHANGE: ATTEMPTS TO BRIDGE MISSION-ORIENTED R&I AND THE DYNAMICS OF SOCIO-TECHNICAL CHANGE (I) - Venue: Sångsalen, AF Borgen						
		Chair: Arne Isaksen	Chair: Jerker Moodysson	Chair: Morris Teubal	Chair: Mika Kautonen	Chair: Ralf Lindner						



	1	Regional cooperation: evidence from European cooperative innovation networks. Sara Amoroso, Alexander Coad and Nicola Grassano	1	Separate innovation policy and research policy - to abandon linearity! Charles Edquist	1	Niche development and upgrading in the PV value chain: The case of local assembly of PV panels in Senegal. Ivan Nygaard and Ulrich Hansen	1	Distinguishing patterns of learning and inclusion through patterns of network formation in developing agricultural clusters. Matias Ramirez	1	Institutionalisation of markets for innovative health technologies: The case of personalised cancer medicine in the Netherlands. Ellen H.M. Moors, Piret Kukk, Wouter P.C. Boon and Simona O. Negro		
	2	Location of Knowledge-Intensive Entrepreneurship in Developing Countries: The Case of the State of São Paulo, Brazil. Bruno Fischer, Sergio Queiroz and Nicholas Vonortas	2	An innovation system framework for system innovation policy: the case of Strategic Innovation Programs (SIPs) in Sweden. Lars Coenen, Markus Grillitsch, Teis Hansen and Jerker Moodysson	2	A Policy Review on Instruments Fostering the Diffusion of Electric Vehicles in China. Michael Nauruschat and Tong-Yaa Su	2	Inclusive innovation in sociotechnical systems: The cases of Russia and India. Olga Ustyuzhantseva	2	An analysis of the manufacture of futures for sustainable agro-food systems: competing visions of the agroecological transition. Sarah Lumbroso, Jessica Thomas, Marc Barbier and Sébastien Treyer		
	3	Policy models and rationales of science, technology and innovation in Central America: an alternative look to the integration process. Victor Gómez-Valenzuela	3	Innovation policy at stake: Should we throw the baby with the bath waters or change the composition of the bath waters. Philippe Laredo	3	Global Innovation Systems – a conceptual framework for technological innovation in transnational contexts. Bernhard Truffer, Christian Binz and Lars Coenen	3	Global open innovation platforms facilitating inclusive innovation policy. Nadja Nordling, Mika Raunio and Jukka P. Saarinen	3	How governments should deal with incumbents when governing societal transition processes. Marko Hekkert and Joeri Wesseling		
	4	Unrelated knowledge and related diversification - knowledge base combinations and path development in a DUI based, globalised region. Bjorn Asheim, Markus Grillitsch, Roman Martin and Michaela Trippel	4	New and Old Avenues for European Research, Technology and Innovation Policies: changing rationales for European RTDI. Peter Biegelbauer and Matthias Weber	4	Global development trajectories in the wind and solar photovoltaics sector: how technology-related differences shape the dynamics of international knowledge transfer. Rainer Quitzow, Joern Huenteler and Hanna Asmussen			4	Researching urban sustainability transitions in the city of Genk (Belgium): Investigating the nuclei for transformative change and the potential for acceleration. Leen Gorissen, Erika Meynaerts and Pieter Valkering		
13.00-14.15		Lunch (Venue: Tegnér's Matsalen, AF Borgen)										
		Book launch session by EE: "Research Handbook on Innovation Governance for Emerging Economies: Towards Better Models" edited by Stefan Kuhlmann and colleagues										

		"Handbook of Innovation Policy Impact" edited by Jakob Edler, Paul Cunningham, Abdullah Gök and Philip Shapira (during lunch)							
14.15-15.00		KEYNOTE: Dirk Pilat (Innovation Policy – New Insights, New Questions, New Directions) (Venue: Konsertsalen, Stadshallen)							
15.00-15.30		Coffee Break							
15.30-17.30		PARALLELS SESSIONS 6							
		6A. EVALUATIONS OF INNOVATION AND RESEARCH POLICY - Venue: Konsertsalen, Stadshallen	6B. INNOVATION AND MEDICAL APPLICATION (II) - Venue: Sessionsalen, Stadshallen	6C. TRACK THEME 9: FOSTERING INNOVATION AND INDUSTRIAL DEVELOPMENT IN GLOBALIZED INNOVATION SYSTEMS: POLICY CHALLENGES IN A MULTIPOLAR WORLD ECONOMY (III) - Venue: Nya Fest, AF Borgen	6D. TRACK THEME 6: (RE)SEARCHING THE CRITICAL 'MESO' LEVEL: LEARNING INNOVATION AGENCIES AND ENTREPRENEURIAL ECOSYSTEMS - Venue: Lilla Salen, AF Borgen	6E. TRACK THEME 7: DESIGNING TRANSFORMATIVE CHANGE: ATTEMPTS TO BRIDGE MISSION-ORIENTED R&D AND THE DYNAMICS OF SOCIO-TECHNICAL CHANGE (III) - Venue: Sängsalen, AF Borgen			
		Chair: Anne Tanner	Chair: Wouter Boon	Chair: Björn Asheim	Chair: Totti Könnölä	Chair: Stefan Kuhlmann			
	1	Innovation Assessment: Making Sense of Collingridge Dilemmas. Jacob Hasselbalch	1 Diversity creation and selection mechanisms in health innovation: the role of public policies. Carlos Bianchi	1 The role of the home market in international technological innovation systems. Håkon Endresen Normann and Jens Hanson	1 From Cluster to Co-creation of Innovation and Entrepreneurial Competences- Learning innovation agencies and entrepreneurial ecosystems as observed in the Optoelectronics industry in Wales and Scotland in the UK. Fumi Kitagawa	1 Demand-sided financial incentives for innovations – concept and challenges based on the example of the German feed-in tariffs for renewable energy. Carsten Schwäbe			



	2	Concentration on the Few? R&D and Innovation Participation in German Firms between 2001 and 2013. Torben Schubert and Christian Rammer	2	Constructing regulatory niches for medicines that address unmet needs. Jarno Hoekman and Wouter Boon	2	Policy proposal for clean energy technology transfer: Classification of technologies and identification of transfer channels. Masachika Suzuki	2	The policy relevance of measuring diversity of Entrepreneurial Ecosystems. Manuel Laranja, John Friar and Alistair Cole	2	Revisiting the Role of University in Developing Countries: Transforming Power Relations towards an Interdisciplinary Institute. Ata Heshmati and Ali Maleki		
	3	Assessing the impact of research in Social Science and Humanities: A Comparative Perspective on National Evaluation Systems in France and Germany. Lucio Morettini, Emanuela Reale, Charles Larkin and Charles Travis	3	A lesson in Lost Innovation: Australia's quest for the bionic eye. Leigh Dayton	3	Tailoring innovation policies to technology-specific learning patterns: An analysis of the locus of learning and knowledge feedbacks in three clean energy technology innovation systems. Abhishek Malhotra, Tobias Schmidt and Joern Huenteler	3	Matching public and private funds to foster innovation: the case of EMBRAPA in Brazil. Sergio Salles-Filho, Adriana Bin, Nicholas Vonortas, Rafaela Marcelly Andrade and Fernando Antonio Basile Colugnati	3	Moving beyond the innovation focus: from innovation system and multi-level perspective towards an integrated concept of transformative socio-technical change. Matthias Weber and Harald Rohrer		
					4	The Transatlantic Trade and Investment Partnership – A risk for the dynamic efficiency at both sides of the Atlantic? Carsten Schwäbe and Carsten Dreher			4	From national challenges to emerging new innovation systems: role of Institutional entrepreneurs beyond formal policies; Case of Biopharmaceutical sector in Iran. Rouholah Hamidi Motlagh, Mohammad Taghi Isaii, Ali Maleki and Ali Kermanshah		
17.30-17.45		Break										
17.45-18.30		SPECIAL SESSIONS (7)										

					TRACK THEME 9 - SPECIAL SESSION - Venue: Nya Fest, AF Borgen	TRACK THEME 6 - SPECIAL SESSION - Venue: Lilla Salen, AF Borgen			
					Panel discussion: Christian Binz, Christina Chaminade, Llewelyn Hughes and Rainer Quitow will discuss the contributions to Track Theme 9	Panel discussion: Jose Manuel Leceta; Jakob Edler; Lennart Stenberg; Rene Witnjes; Totti Könnölä; Charles Edquist (tbc)			
19.30- 23.00	Dinner Socials (Venue: Stora Salen, AF Borgen)								
DAY 3: Friday 10th June									
09.00- 10.30	PARALLELS SESSIONS 8								
	8A. POLICY FOR SUSTAINABILITY - Venue: Konsertsalen, Stadshallen	8B. CREATIVITY, KNOWLEDGE AND INNOVATION - Venue: Sessionsalen Stadshallen	8C. KNOWLEDGE TRANSFER AND INNOVATION - Venue: Universitetshuset, Sal 206	8D. INNOVATION AND STRUCTURAL CHANGE - Venue: Palaestra Nedre	8E. GOVERNANCE OF DISCONTINUATION - Venue: Palaestra Övre				
	Chair: Jordi Molas- Gallart	Chair: Sören Borch	Chair: Christian Binz	Chair: Sam Tavassoli	Chair: Jakob Edler				
	1 Aiming high and failing spectacularly - Lessons from a recent crisis in regenerative medicine. Maureen McKelvey, Rögnvaldur Saemundsson and Olof Zaring	1 Skills Diversity and Firm Growth: The Complementary Role of Arts and Science Skills. Josh Siepel, Roberto Camerani and Monica Masucci	1 Intergenerational transfer of scientific knowledge and sustainable development of science. Sotaro Shibayama	1 Small Firms' Access to Venture Capital: Innovation Policy and its Limits. Susana Borrás and Charles Edquist	1 Exploring nuclear trajectories in Germany and the UK: understanding (dis)continuities and incumbency in socio-technical systems. Phil Johnstone and Andy Stirling				

	2	Lock-in of mature Technological Innovation Systems, The transformation towards clean concrete in the Netherlands. Alexander van der Vooren and Joeri Wesseling	2	Creativity, innovation and research in the Norwegian economy. Mark Knell	2	Combining Centers of Excellence programs with the attraction of foreign research organizations: challenges and policy options in Complex International Science, Technology and Innovation Partnerships. Jose Guimon and Laurens Klerkx	2	Innovation, structural change and employment: a long run perspective and some policy implications. Pier Paolo Saviotti	2	How obsolescent innovation must give way: The Governance of the Discontinuation of Incandescent Light Bulbs in the EU. Dr Peter Stegmaier and Stefan Kuhlmann		
	3	Innovation policy in the age of transitions. Gijs Diercks, Henrik Larsen and Fred Steward	3	Governance of knowledge base complexity: Implications for innovation policy in resource based countries. Ali Maleki and Rouholah Hamidi Motlagh	3	Innovation intermediaries: building bridges for global health (subtitle: Exploring the role of innovation intermediaries as institutional entrepreneurs in Product Development Partnerships for poverty-related diseases). Marjolein Hoogstraaten, Wouter Boon and Remco de Vruh	3	EU corporate R&D intensity gap: What has changed over the last decade? Pietro Moncada-Paternò-Castello	3	Multiple stories of DDT: an international comparison of a notorious villain's ban. Pierre-Benoît Joly, Alix Levain and Vincent Cardon		
10.30-11.00		Coffe Break										
11.00-12.30		PARALLELS SESSIONS 9										
		9A. ALTERNATIVE APPROACHES TO EXPERIMENTATION AND SUSTAINABILITY - Venue: Konsertsalen, Stadshallen		9B. SOCIAL INNOVATION - Venue: Sessionsalen, Stadshallen		9C. RESEARCH AND INNOVATION - Venue: Universitetshuset, Sal 206		9D. PUBLIC PROCUREMENT FOR INNOVATION (II) - Venue: Palaestra Nedre		9E. INSTITUTIONAL LOGICS AND UNIVERSITIES - Venue: Palaestra Övre		



## **The EU-SPRI Conference at CIRCLE, Lund, June 2016 – a few reflections**

The key objectives of the conference were to provide a forum for scholars interested and active in the areas of research and innovation policy analysis to exchange ideas and present findings across disciplinary boundaries as well as interaction between researchers and policy-makers/politicians.

The Lund EU-SPRI Annual Conference 2016 welcomed both conceptual/theoretical and empirical contributions that provide scientific underpinnings for innovation and research policies. We welcomed papers focusing on policies as the object of analysis as well as papers addressing the policy implications of other related kinds of analyses. In the context of the conference, innovation policy and research policy was understood here as actions by public and semi-public organizations that influence, respectively, innovation and research. Research policy has been examined theoretically and empirically for many decades while innovation policy is gradually becoming established as an independent policy area. From submitters of abstracts there was a larger interest from the community of innovation policy scholars than from research policy researchers. However, there were also discussions located at the intersection of the two fields.

As more and more new initiatives are being undertaken in all parts of the world, new innovation policy instruments are being created and new public policy agencies are being established – at international, national, regional and local levels. This was well captured by the presenting scholars, approaching both innovation and research policy from novel directions, both conceptually and methodologically. The conference covered the following areas:

- Knowledge foundations for research and innovation policies
- The relationship between innovation theory and innovation policy
- The development of innovation policy as an independent area, and its interactions with other policy areas (education, climate, health, entrepreneurship, employment, growth, industrial policies)
- Research methods in innovation and research policy analysis
- Challenges in designing, organizing, governing, implementing and evaluating innovation and research policies (rationales for policy, policy objectives, use of indicators and comparative studies to identify policy problems and their causes, policy development, policy learning,)
- The practice of innovation and research policies across different countries and regions (both developed and developing countries/regions)
- Emerging themes and topics such as global challenges, the development of new innovation and research policy instruments, demand-oriented innovation policies and the role of the public element in private-public partnerships

Among the track themes we found themes such as social innovation, evaluation of policies, inclusive innovation policies, mission-oriented research and innovation, dynamics of socio-technical change and innovation in a globalized world. Environmental issues were also strongly present. We take this as an indication of that the broadening scope of innovation studies, with its many interdisciplinary influences, is increasingly becoming reflected also in the study of innovation and research policy.

Charles Edquist and Johan Mörner at CIRCLE

EU-SPRI Early Career Researcher Conferences (ECC)

**Science, Technology and Innovation Policy:  
Re-thinking rationales, concepts, applications and impact**

November 21 – 23 2016, Vienna

Summary Report

The conference gathered 14 young researchers (plus one who could not make it and presented through skype), one third coming from EUSPRI members. The selection made concerned initially 19 persons but 4 later declined for reasons that are probably linked to difficulties in finalising the required paper for discussion.

The programme worked in traditional ways with each presentation discussed by one young and one senior researcher. All young researchers thus discussed one of their colleagues and also half of them chaired sessions. The senior discussants were J. Janger, W. Polt, K. Schuch, M. Stampfer, K. Warta, M. Weber, J. Edler, and P. Larédo. This insured variety in the ways of discussing projects, which was a feature we wanted to face young researchers with.

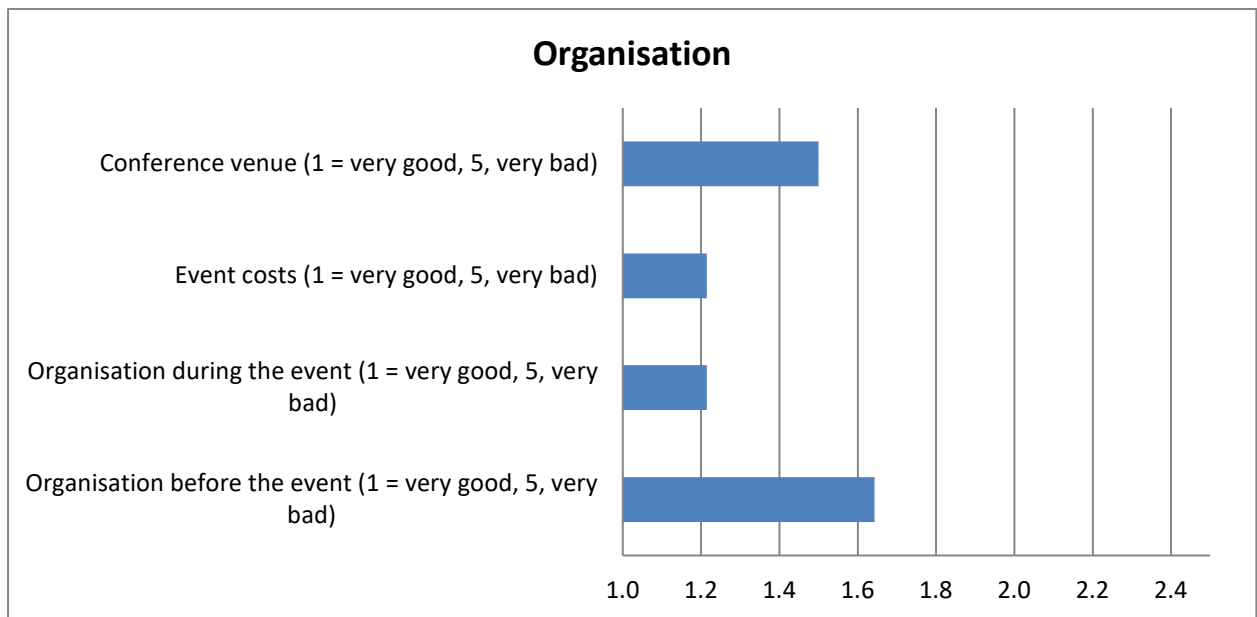
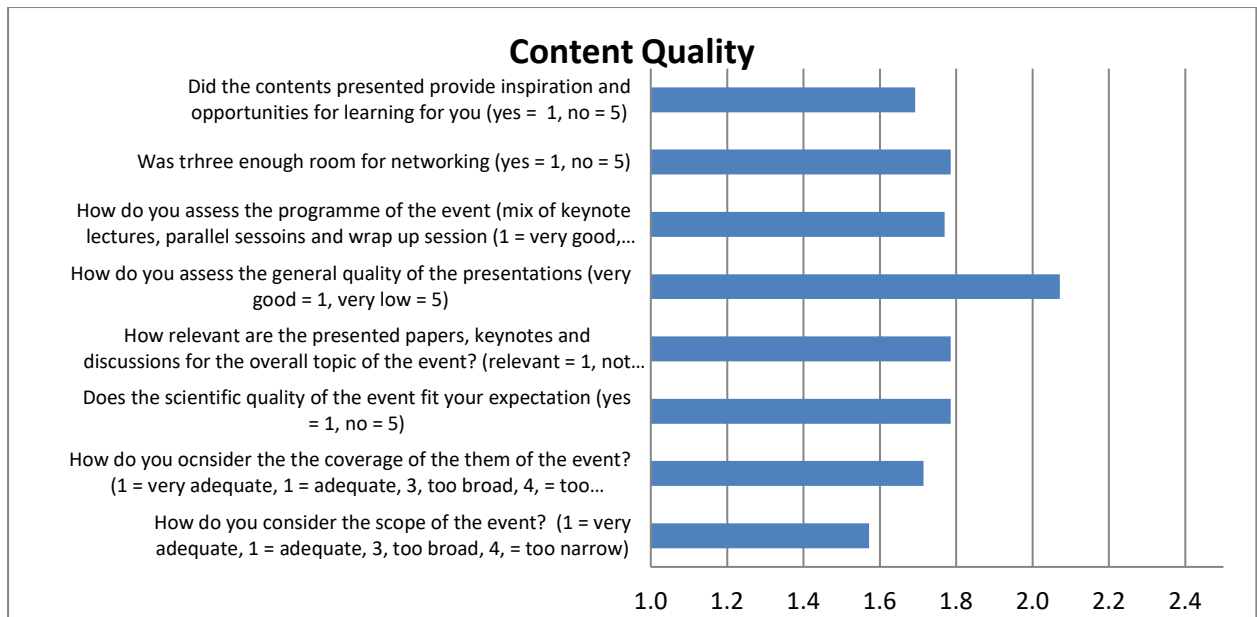
They had the privilege of having a keynote speech by C. Nacsinsky, the head of all European affairs in the Austrian Federal Ministry of science, research and the economy. His presentation has been published since as a policy brief: 'a Marshall Plan for better Governance in Europe'.

Another feature of the conference dealt with group work about the future of research and innovation policies around three key questions: will science policy emerge again as an autonomous policy and what are its challenges? What changes to R&I policies are needed to address grand societal challenges? Can present day innovation policies cope with the changing locus and dynamics of innovations? This was presented by short introductions from M. Stampfer, J. Edler and P. Larédo. And we reorganised the final session as a presentation and discussion of group work.

As shown by the evaluations of participants (see below), the course was judged overall relevant, inspiring and covering well the theme. There were some comments about the group work, some participants judging it too broad and not 'directed' enough.

The conference took place at the Don Bosco Haus, hosting both the conference rooms, the rooms for participants and the lunches. The conference dinner took place in a traditional place. As shown by the evaluations the choices made by our Viennese hosts were highly appreciated.

EU-SPRI FORUM has to be grateful grateful for highly efficient and friendly support by the local organisers around Klaus Schuch and Maximilian Jäger.



EUSPRI Early Career Conference Vienna, Austria 22- 23 Nov 2016				
Day 1		Session title	Session num time	Chair      Discussants
Opening Session - Welcome (Edler, Laredo, Schuch)				
Key Note from policy: Christian Nacziński (Challenges of multilateral governance of RTI policies in and beyond ERA)			09.00-09.15	
			09.15-10.30	
Cian	O'Donovan	Democratic engagement with and within emerging regulator spaces	1	Edgar Salas Gironés, Philippe Laredo
Gennady	Belyakov	Innovation Governance Through Funding: The Case of Synthetic Biology	1	Veronika Chiodo, Philippe Laredo
<b>BREAK</b>				
Edgar	Salas Gironés	Societal goals, STI policies and socio-technical transitions: The case of the Dutch smart mobility policy	2	Elizabeth Koier, Jakob Edler
Béatrice	Cointe	Science technology and innovation policy and expectations in practice: insights from the sociological study of an interdisciplinary project on microbial bioenergy	2	Rudhforth
<b>BREAK</b>				
<b>LUNCH</b>				
<b>Plenary Session with Michael Stampfer, Jakob Edler, Philippe Laredo and Klaus Schuch</b>				
Soo Jeung	Lee	Academic Entrepreneurship: Exploring the effects of academic patenting activity on publication and collaboration among heterogeneous researchers in South Korea	3	Béatrice Cointe, Michael Stampfer
Elizabeth	Koier	Spinning plates: The effects of national prioritizing policies on university internal decisions	3	Fania Michelucci, Michael Stampfer
<b>BREAK</b>				
Fania	Michelucci	Social impact investors: public sector's partners or predators?	4	Cian O'Donovan, Klaus Schuch
Veronica	Chiodo	Financing social innovation: an analysis of two policy approaches	4	Gennady Belyakov, Klaus Schuch
Julien	Chicot	The role of public procurement of innovation in the formation of markets: knowledge coordination problems and instruments	4	Svetlana Burinskaja, Klaus Schuch
<b>DINNER</b>				
<b>DAY 2</b>				
Lauma	Muizniece	Disregarding history and context: Innovation policy in Latvia post 1990	7	Michele Coletti, Matthias Weber
Alex	Rushforth	Investigating the growth and distribution of a priority research area: A bibliometric study of rare disease research	5	Soo Jeung Lee, Matthias Weber
Alli	Maleki	Rationales for designing and comparing science, technology and innovation (STI) indicators frameworks	5	Jürgen Janger
<b>BREAK</b>				
Svetlana	Burinskaja	Entrepreneurial discovery process within smart specialisation strategy: towards a differentiated approach from the change management perspective	6	Alex Rushforth, Katharina Warta
Michele	Coletti	Collaborations for innovation: a comparative analysis of policy issues	6	Lauma Muizniece, Jürgen Janger
Frano	Barbic	Collaborative dynamics in multipartner alliances: Evidence from the case of Italian SMEs	6	Julien Chicot, Jakob Edler
<b>LUNCH with collection of themes</b>				
<b>Key Lecture Academic: Philippe Laredo</b>				
<b>Final Plenary: discussion of themes</b>				
			12.45- 14.15	
			14.15-15.25	
			15.25-16.00	



Participant				Affiliation		Title	
Name	Last Name	Affiliation		Title			
1 Frano	Barbic	Uni Pol de Madrid/Pol de Milano		Collaborative dynamics in multipartner alliances: Evidence from the case of Italian SMEs			
2 Gennady	Belyakov	Alliance Manchester Business School		Innovation Governance Through Funding: The Case of Synthetic Biology			
3 Svetlana	Burinskaja	Univ of Warsaw		Entrepreneurial discovery process within smart specialisation strategy: towards a different			
4 Julien	Chicot	Univ Grenoble Alpes/AMBS Manchester		The role of public procurement of innovation in the formation of markets: knowledge coor			
5 Veronica	Chiodo	Pol di Milano		Financing social innovation: an analysis of two policy approaches			
6 Béatrice	Cointe	LAMES, Aix-Marseille Univ		Science technology and innovation policy and expectations in practice: insights from the sc			
7 Michele	Coletti	Pol di Milano & Grenoble/Pol di Torino		Collaborations for innovation: a comparative analysis of policy issues			
8 Elizabeth	Koier	Rathenau Inst, The Hague		Spinning plates: The effects of national prioritizing policies on university internal decision			
9 Soo Jeung	Lee	Alex von Humboldt Foundation, INCHER-Kassel		Academic Entrepreneurship: Exploring the effects of academic patenting activity on public			
10 Fania	Michelucci	Pol di Milano		Social impact investors: public sector's partners or predators?			
11 Lauma	Muizniece	Tallinn Univ of Technology		Disregarding history and context: Innovation policy in Latvia post 1990			
12 Cian	O'Donovan	SPRU Univ of Sussex		Democratic engagement with and within emerging regulator spaces			
13 Alex	Rushforth	Leiden Univ		Investigating the growth and distribution of a priority research area: A bibliometric study c			
14 Edgar	Salas Gironés	Eindhoven Univ of Technology		Societal goals, STI policies and socio-technical transitions: The case of the Dutch smart mot			
15 Najmuddin	Yazdi	Sharif University of Technology		Rationales for Comparing Science, Technology and Innovation (STI) Indicator Frameworks			

## Annex 5

### Final report Winter School Innovation Policy for Transformative Change hosted by SPRU University of Sussex 16-20 Jan 2017

Eu-SPRI Winter School

Innovation policy for Transformative Change

Final Report

Location: University of Sussex, Falmer, Brighton, United Kingdom

Date: 16-20 January 2017

Organisers: SPRU – Science Policy Research Unit, INGENIO and Eu-SPRI - European Forum for Studies of Policies for Research and Innovation

Organising Committee: Prof Johan Schot (course director), Prof Ed Steinmueller, Prof Andy Stirling, Dr Paula Kivimaa, Dr Ismael Rafols, Mr Jonas Torrens (coordinator), Ms Nora Blascos

Faculty: Prof Joanna Chataway, Ms Suzanne Fisher-Murray, Prof Pierre-Benoit Joly, Dr Erika Kraemer-Mbula, Dr Jordi Molas-Gallart, Ms Sarah Schepers, Prof Adrian Smith, Dr Puay Tang

#### Introduction

This winter school was the first instance of the new Eu-SPRI forum series of Winter and Summer schools. The event was successful in providing state-of-the-art training in a topic of relevance for scholars and professionals in the Studies of Policies for Research and Innovation. Participants evaluated the event positively, highlighting:

- the quality of the learning environment
- the possibility of examining the assumptions of innovation policy
- the level of engagement of the faculty

Recurring suggestions for improvement included:

- allocating more time for informal discussions and networking
- reviewing the assignment exercise, which some felt was too intense
- requests for more instrumental focus
- requests for spending less time in the lecture room

#### Motivation & course objectives

The combined hues of environmental degradation, climate change, rising inequalities, democratic deficit, a protracted economic crisis, and the displacement of large populations by war and strife, paint a complex picture that is evocative of crisis and urgency. Governments, multilateral organisations, businesses and civil society have been engaged in composing new global agendas for facing these challenges, as it is evident in the Sustainable Development Goals and the Paris Climate Agreement, in the efforts of the International Panel on Climate Change, Future Earth and International Panel on Social Progress, as well as in many bottom-up grassroots and inclusive innovation activities.

These engagements, agendas and research programmes signal a need to reframe Science, Technology and Innovation policies, around the overarching notion of 'Transformative Change', with changes in its objectives, scope of action, scales and pace. This emerging frame taps into ongoing debates in research, policy and practice, and places greater emphasis on systemic responses and renewed notions of social progress and democracy.

This winter school seeks to familiarise participants with state-of-the-art debates about the 'transformative change' frame of STI policy and its associated practices. Through seminars and discussions, the school participants will explore its conceptual underpinnings and its connections and departures from conventional STI policy. Sessions will also discuss concrete examples of efforts to promote such transformations. Three guiding questions will be addressed:

- How may contrasting understandings of transformative change be brought to bear on policy responses to pressing contemporary challenges?
- How to ensure such responses are inclusive and democratic?
- How to advance such responses through transdisciplinary approaches and alliances?

The programme was designed with the objective of familiarising participants with the state-of-the-art of the emerging Transformative Change frame, being able to:

- Critically examine the prevalent framings of science and technology policy, placing them in historical perspective
- Recognise and discuss the emerging policy practices which embody the Transformative Change framing
- Identify and critically assess methods and approaches with the potential to 'open-up' and democratise STI policies
- Consider the role of alternative science and technology indicators
- Reflect on the relevance of the Transformative Change frame to their current research and professional practice

#### Selection process & attendance

The call for applications received interest from 44 participants, in diverse stages of their careers. The applications were evaluated by two members of the organised committee, and ranked accordingly to compile an initial list comprising the 30 most adequate applications and a waiting list of 4 applications. At the end of the registration process, all members of the waiting list were contacted, and there was a total of 29 participants. The spreadsheet from which these tables were derived can be accessed upon request.

**Table 1. Status of registered participants and non-registered applicants**

	Registered	Not registered	Total
Early Career	6	2	8
Other		1	1
PhD candidate	21	9	30
Professional - Consultancy	1	1	2
Professional - Public	1	2	3
<b>Total</b>	<b>29</b>	<b>15</b>	<b>44</b>

The school hosted 10 participants from an Eu-SPRI institution with a fee-waiver and 19 fee-paying participants (rows in table 2). Most participants had a research background and current research directly related to the SPRI field (table 3). The few exceptions were participants who were in a moment of career transition.

The group of participants was diverse in a number of aspects. This was in fact explored during the icebreaking session. There was a good gender balance in both the applications and final group (table 3). Most participants were studying or working in European institutions; three participants were from US based institutions and one from an Indian Institution. Nevertheless,

All the participants who registered attended the event. Attendance and assiduity were very high throughout the event.

**Table 2. Gender of applications received**

	Female	Male	Total
<b>Non Eu-SPRI</b>	15	17	32
<b>Eu-SPRI</b>	5	7	12
<b>Total</b>	20	24	44

**and registered participants**

	Female	Male	Total
<b>Non Eu-SPRI</b>	9	10	19
<b>Eu-SPRI</b>	5	5	10
<b>Total</b>	14	15	29

**Table 3 Final list of participants**

First Name	Surname	Background	Research Interest or latest research conducted	Affiliation
<b>Ainhoa</b>	Arrona	Innovation policy	Innovation policy / competitiveness	University of Deusto
<b>Almona</b>	Tani	Economic Geography	Models for Economics and Finance, Economic Geography.	Sapienza University of Rome
<b>Andrea</b>	Laplane	Science and Technology Policy	Innovation policy	SPRU
<b>Bipashyee</b>	Ghosh	Innovation studies	Mobility transitions	SPRU
<b>Carola</b>	Guyot Phung	Energy policy	Innovation Management and Transitions	École polytechnique
<b>Chiara</b>	Frattini	Geography of innovation	Sustainability Transitions	SPRU
<b>Ebru</b>	Susur Saurina Lucini	Energy and Environmental management	Sustainability Transitions	Politécnico de Milano / UPM
<b>Edgar</b>	Salas Gironés	Innovation studies	Governance of smart mobility	Eindhoven University of Technology
<b>Elina</b>	Griniece	STS, Innovation studies	Innovation systems and Evaluation	European Future Innovation Centre
<b>Erik</b>	Brattström	Research Policy	Research Policy	Lund University
<b>Fionn</b>	Rogan	Energy policy	Low carbon pathways	University College of Cork
<b>Gennady</b>	Belyakov	Science and Technology Policy	Innovation governance	Manchester University
<b>Gijs</b>	Diercks	Innovation policy	Innovation policy for sustainability	Imperial College of London
<b>Henrik</b>	Larsen	Innovation policy	Global innovation networks	Imperial College
<b>Jaime</b>	Bonnín Roca	Engineering and public policy	Aerospace engineering / innovation management	Carnegie Mellon
<b>Joni</b>	Karjalainen	Political science	Future studies	University of Turku
<b>Judith</b>	Kreuter	International relations	Geoengineering	Political Science Institute, Technische Universität Darmstadt
<b>Katie</b>	Phillips	Sustainability	Environmental services	City of Tempe Environmental Services, Arizona State University
<b>Luiz Gustavo</b>	Silva de Oliveira	Innovation studies	Technological Innovation Systems,	Copernicus

			Strategic niche management	
<b>Mags</b>	Tingey	International relations	Energy governance	University of Edinburgh
<b>Marieke</b>	Feis	Evolutionary biology	Control of invasive parasites	Alfred Wegener Institute for Polar and Marine Research
<b>Nora</b>	Smedby	Environmental economics	Local environmental governance	Lund University
<b>Olu</b>	Ogunfowora	Business and management	Social innovation and evaluation	Manchester Business School
<b>Quentin Rauno</b>	Toffolini Mäekivi	Agronomy and Innovation Technology Governance	Agronomic innovation Political economy of innovation	INRA/LISIS Ragnar Nurkse School of Innovation and Governance
<b>Robert</b>	Boyer	Regional and urban planning	Sustainability transitions	University of North Carolina at Charlotte
<b>Sergio</b>	Belda-Miquel	Development Studies	Local development and international cooperation	INGENIO
<b>Tanvi</b>	Chopra	Political science	Development politics	Jawaharlal Nehru University
<b>Victoria</b>	Pellicer Sifres	Development Studies	Grassroots and social innovation	INGENIO/SPRU

## Programme

As shown in Table 4, the main features of the winter school programme were:

- **Lectures** structured around the following subtopics:
  - Contemporary perspectives on transformative change
  - Emerging policy practices
  - Inclusive innovation
  - Appraisal & evaluation
  - Progress, democracy and technocracy
- A set of interactive sessions aimed at promoting debate and in-depth reflection on the contents of the Winter School
- A formative assignment organized over five sessions, comprising:
  - instruction into non-academic communication, audience identification and style considerations
  - individual or collective writing of a blog
  - peer-review and discussion of the assignment outcomes
- A book launch and panel discussion
- A social programme comprising a reception and farewell dinner

- Table 4 Programme – as executed

Date	Monday 16-Jan	Tuesday 17-Jan	Wednesday 18-Jan	Thursday 19-Jan	Friday 20-Jan
Theme	Contemporary perspectives on transformative change	Emerging policy practices	Inclusive innovation	Appraisal & evaluation	Progress, democracy and technocracy
8:30 – 9:00	Arrival and Registration				
9:00 - 10:15	Introductory session	Policy mixes for transformative change (Paula Kivimaa)	Inclusive Innovation (Joanna Chataway)	Generation & evaluation of research impact (Puay Tang & Jordi Molas-Gallart)	Culturing Transformations in Innovation Democracies (Andy Stirling)
10:15 - 11:30	Transformative change / Deep Transition (Johan Schot)	Participatory approaches, technology and democracy (Pierre Benoit-Joly)	Innovation, informal economy and transformative change (Erika Kraemer-Mbula)	Towards indicators for Opening STI Policy (Ismael Rafols)	Peer-review session I
11:30 - 11:45	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break
11:45 - 13:00	Innovation, Progress and Transformation (Andy Stirling)	Experimentation & Intermediation (Paula Kivimaa)	Fishbowl conversation: Innovation policy for transformative change	Policy Experimentation Exercise (Johan Schot)	Peer-review session II
13:00 - 14:00	Lunch	Lunch	Lunch	Lunch	Lunch
14:00 - 15:15	Transformative STI Policy (Ed Steinmueller)	Grassroots Innovation movements (Adrian Smith)	Working on assignment	Working on assignment	Closing discussion (Chair: Ed Steinmueller)
15:15- 15:30	Break	Break	Break	Break	Break
15:30– 17:15	Thinking about research communication, engagement and impact (Sarah Schepers & Suzanne Fisher-Murray)	Book Launch: The Informal Economy in Developing Nations Hidden Engine of Innovation? (Erika Kraemer-Mbula)	World-Café: The fault-lines of innovation policy for transformative change	Open-space: Topics suggested by students	One-to-one meetings with faculty (scheduled individually)
17:15 - 17:30	Debriefing		Debriefing	Debriefing	
Evening	Reception	Working on assignment	Free evening	Farewell dinner	

## Special Public Event: Book Launch

On Tuesday 17 January, Dr Erika Kraemer-Mbula will launched her newest book "The Informal Economy in Developing Nations: Hidden Engine of Innovation?" (2016, Cambridge University Press). The presentation was followed by a panel discussion with Prof Raphie Kaplinsky (SPRU, IDS), Dr Puay Tang (SPRU) and Dr Gordon McGranahan (IDS and STEPS Centre) and chaired by Joanna Chataway (SPRU). This was a public lecture which attracted attendance from beyond the winter school, mainly from SPRU and the Institute for Development Studies. The panel composition allowed for in-depth discussions and was a valuable contribution to the winter school programme.

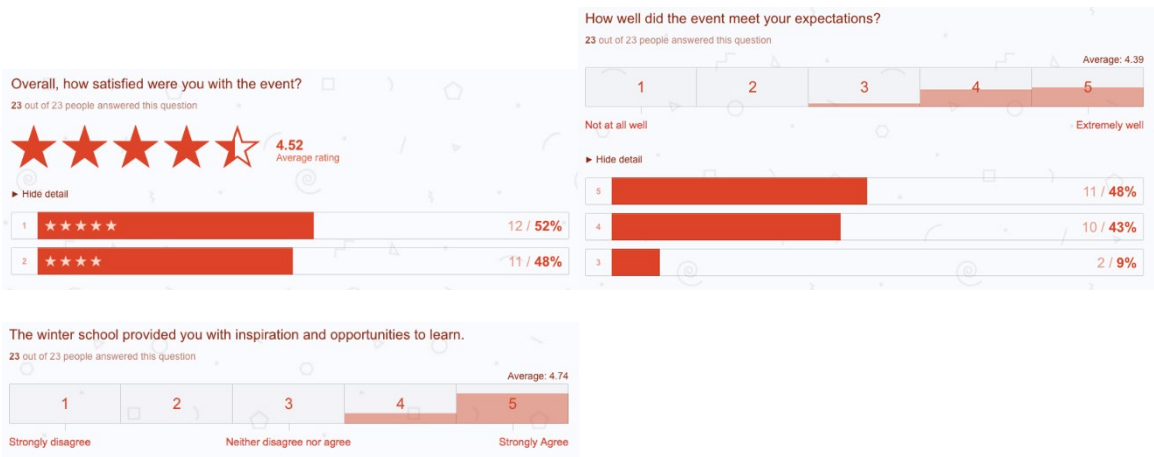
### Post-event evaluation

A total of 23 respondents (79%) filled in the post-event evaluation, which was based on an adaptation of the Eu-SPRI template. The overall responses are found on the attached "Eu-SPRI Winter School Evaluation-report.xlsx". The following pictures are extracts of the the report of the quantitative elements can be found on:

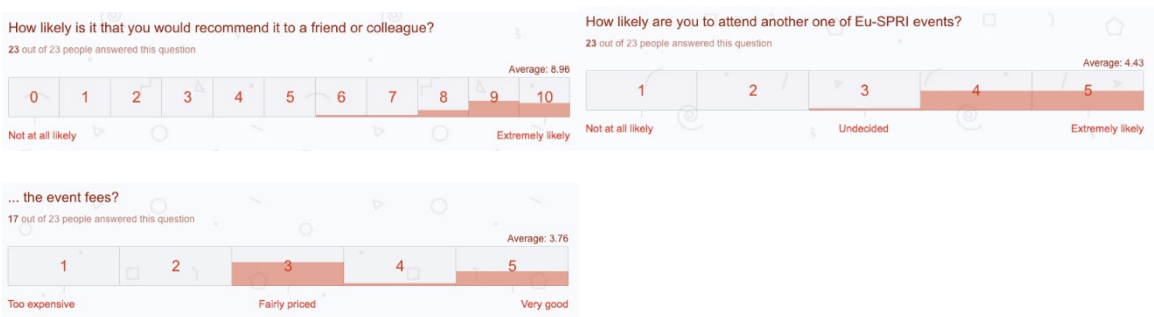
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### Satisfaction

Overall, participants showed a high level of overall satisfaction. Most participants considered the scientific quality of the event as fulfilling their expectations, and most found the school provided them with inspiration and opportunities to learn.

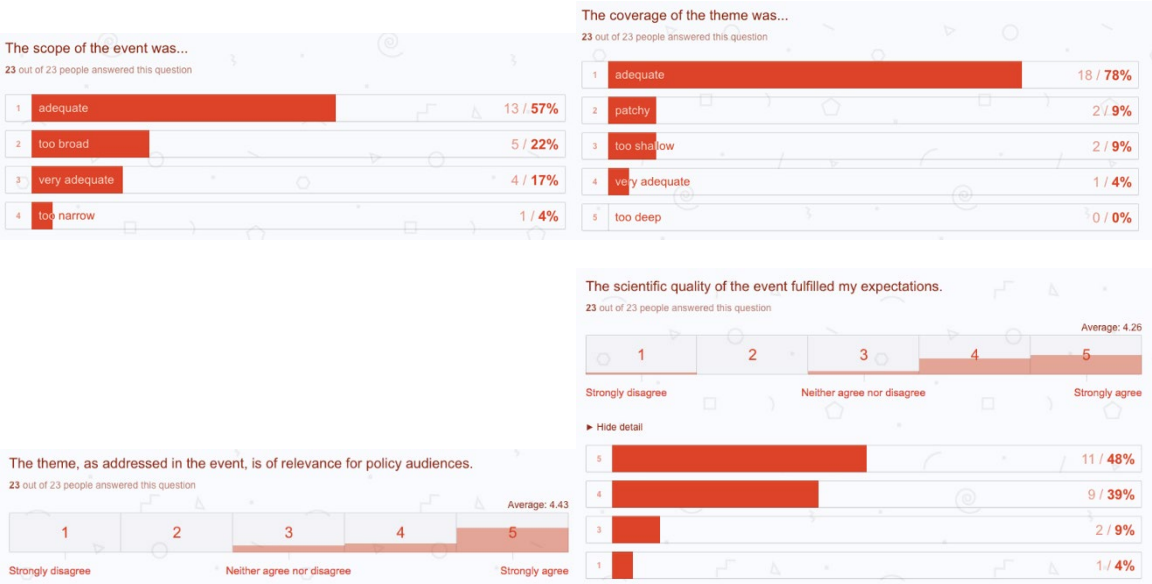


Accordingly, most participants would recommend the event and would like to attend other Eu-SPRI events.



**Fee-paying students were also generally satisfied with the costs of the event, with none of 17 respondents reporting fees as too high. This is likely to reflect the fact that, from the applicantsable to register most would have their costs paid for by their institutions. This does not include participants which might have been price-out of the event and hence did not register. Scope and quality**

Most participants considered the scope of the event to be adequate or very adequate, and most considered that the theme was adequately covered. 87% of the participants agree or strongly agree that the event had adequate scientific quality.



Assignment, interactions, networking and social programme

The evaluation shows this area had room for improvement, which was reiterated in some of the qualitative responses. 60% agreed that the formative assignment provided an opportunity for consolidating the learning of the school

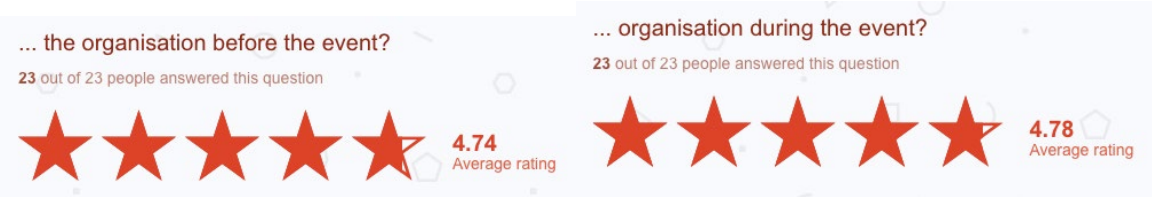


The evaluations also show that participants many participants would have preferred more time for informal interactions, but that nevertheless there was a good cohesion in the the group.



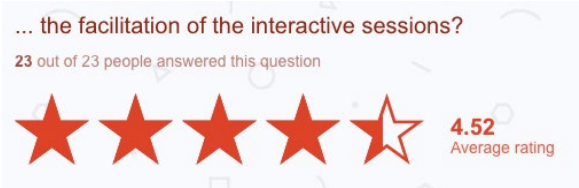
Organisation

These area received generally positive feedback, which was also echoed in the qualitative reviews. Some students highlighted that the room was ill ventilated, and that more activities outside the lecture room would have been preferable. This was in part problematic given that this was a winter school.





The interactive session were



SPRU used the university venue and catering facilities, which received a mixed response.



## Annex 6

### Progress of the exploratory initiative

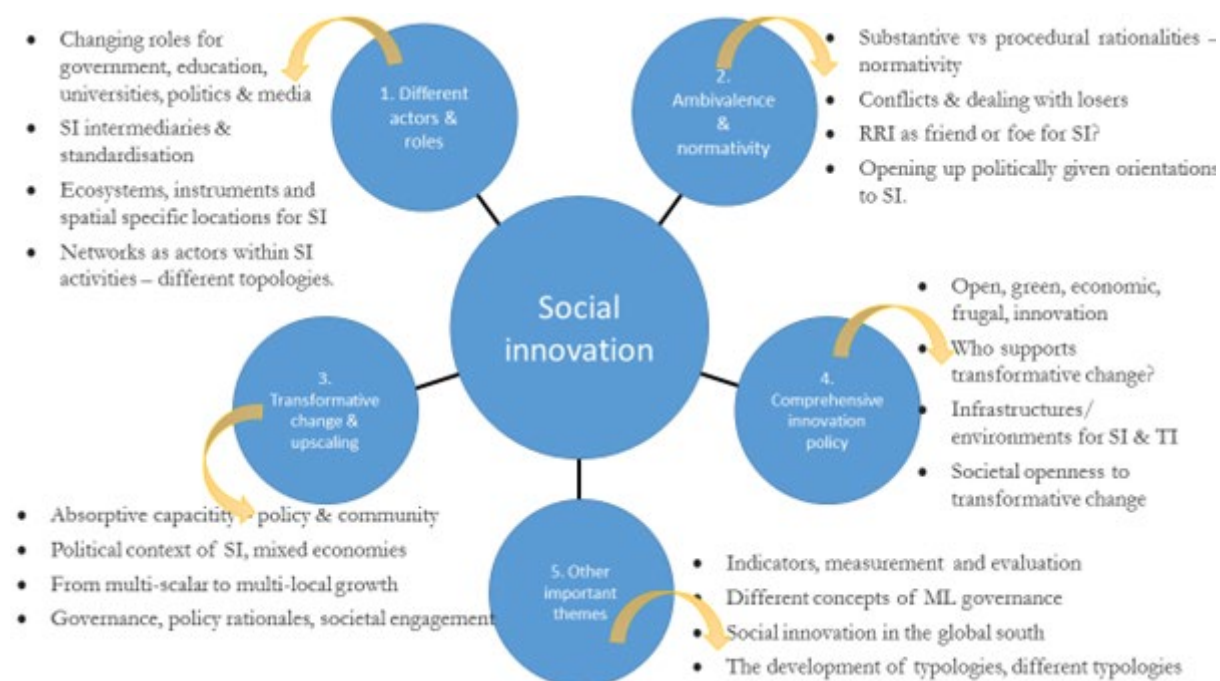
**Social innovation futures: beyond policy panacea and conceptual ambiguity' of the Future Social Innovation Consortium** by Paul Benneworth, Center for Higher Education Policy Studies, University of Twente, the Netherlands (coordinator); Effie Amanatidou, Manchester Institute for Innovation Research, Manchester University, UK; Monica Edwards Schachter, CSIC-INGENIO Valencia, Spain and Magnus Gulbrandsen, Centre for Technology, Innovation & Culture (TIK), University of Oslo.

The leader of this project, Paul Benneworth, summarises the state of progress as follows (May 28 2017):

What we agreed with the committee for 2017 was that the fundamental issue is that there is a big gulf between the social and technological perspectives of innovation, so what we had thought was interesting but potentially trivial is a substantive issue and we cannot address it within the team. We have therefore partnered up with a network of researchers looking at the social dimensions of innovation, SFS at Dortmund, who have two rather large FPVII projects on social innovation and are currently running a supporting action (social innovation community).

This collaboration came out of a session we organised in Vienna late in 2015 within the TRANSIT & SI-DRIVE conferences on social innovation that Social Innovation Futures hosted. As a result of our discussions there, we agreed to arrange a joint event (fully funded by SIC) in what for practical reasons became Spring 2017. We organised a "Hot Topic Workshop" jointly between Social Innovation Community and Social Innovation Futures on 16th May 2017 at Dortmund and that had over 20 participants from both Eu-SPRI and the SFS networks (and some such as Matthias Weber and Susanne Giesecke who are active in both).

In that workshop, we developed a tentative agenda for a position paper jointly between the two communities, identifying four dominant wicked themes as well as four other important themes. The structure of these issues emerging from the preparatory work, the brainstorm and the plenary activity is given in the diagram below.



We are currently producing the first draft of a position paper that will be presented next week in Vienna as working version, and then finalised over the summer to be presented at the closing Policy Conference of SI-DRIVE in Brussels in October (or it might be the TRANSIT project, but one of the two). The authors for that position paper are Effie and I from Eu-SPRI, and Dmitri Domanski & Christoph Kaletka from SFS so it will be a joint dialogue between the two communities, setting out how the two communities can move forward together, their joint challenges, and the key contours of a future research agenda. See the introduction of the paper below.

#### Introduction

The aim of this paper is to establish a debate between two innovation research communities to solve – or at least take a step in solving the persistent problem of accounting for social change in innovation processes. Although contemporary innovation studies emerged in the 1960s within efforts to democratise technology and ensure its application to socially beneficial purposes, there is a widespread recognition that contemporary innovation studies has lost an element of its ability to account for social dynamics. Even the successor to democratising technology studies,

constructive technology analysis, is framed and constrained by available technologies in terms of the ways that problems are conceived to which technology can be a solution. One can see in the emergence of recent debates about responsibility in technological development, for example in responsible research and innovation, an attempt to open up this closure and the social potential of new technologies.

At the same time, there has been the emergence of a largely separate community concerned with explicitly social innovation. The issue of the technology is largely subordinate or even absent in much of the work on social innovation, with an emphasis on new forms of societal organisation and networks that can change underlying social power relations. There is a strong knowledge community emerging around social innovation, spurred on by inter alia the European Commission that have charted the extent to which social innovation has emerged and diffused across Europe. And perversely enough a strong part of the social innovation community appears to be a sense of othering with reference to the traditional, technological innovation communities, an antipathy that seems reflected between researchers who consider each other as obsessed with the production of profit or as hopelessly romantic utopians. But at the same time, in practice, these two communities are talking about the same kinds of activities. Anyone who moves between the two communities sees the same examples being used in both, although as the part of quite different claims that are made regarding their significance and dynamics. A typical example of this are community energy schemes that seek to produce self-sufficiency and energy generation in communities, thereby eliminating poverty, but at the same time have to negotiate the maze of the wider regime of permits, licensing, feed-in tariffs in order to deliver these social goals. To get beyond this initial apathy, what we seek to do in this position paper is to seek to try to provide a taxonomy of these areas of similarity, not just in terms of the examples that both communities are using, but also similar kinds of objects, artefacts and epiconcepts that crop up in each.

This position paper therefore seeks to place the emphasis of what connects these two communities more than what divides us, as a first step in sketching out how we might interact and develop into the future. This position paper therefore has the aim of setting out a potential future research agenda for understanding social change within socio-technical innovation,. We seek to do two things, helping to bring a better understanding of the practicalities of technological innovation within social change processes whilst restoring the sense of social change to more technical analyses of apparently auto-evolutionary systems where the social change follows from more instrumental developments.

## Annex 7

### 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.