



EU-SPRI HELSINKI 2015



**Innovation policies for economic and social transitions:
Developing strategies for knowledge, practices and institutions
10.-12.6.2015**

PROGRAMME



Ministry of Education
and Culture, Finland



Welcome from the President of the Eu-SPRI Forum

A good understanding and a critical analysis of related public policies is of high importance for present and future societies. The 2015 Eu-SPRI Forum Conference in Helsinki offers the community of scholars and experts a unique opportunity to review the state of our understanding in this field of policy studies and to identify issues for future analysis.

The Helsinki Conference is the fifth annual conference of the “European Forum for Studies of Policies for Research and Innovation” (Eu-SPRI Forum), after Enschede/NL (2010), Karlsruhe (2012), Madrid (2013) and Manchester (2014). The Eu-SPRI Forum was founded in Paris in June 2010 and has presently 16 member institutions. The 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 – 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 has three key missions:
(1) Next generation – Eu-SPRI Forum supports



the intellectual and career development of early career SPRI researchers (doctoral candidates; PostDocs), most notably through doctoral programs, conferences, summer schools and mobility between the partner groups; (2) exploratory initiatives – Eu-SPRI Forum aspires to anticipate new SPRI themes, concepts and methods. The exploration of new interdisciplinary analytical horizons is facilitated through co-funding of working groups; (3) structuring the field – Eu-SPRI Forum holds annual Euro-

pean Conferences like the 2015 Helsinki event, featuring both presently relevant and incoming new themes. The Conferences offer an informal space for exchange for the European and international SPRI community as well as for innovative stakeholders and policy-makers in the field.

Welcome to Helsinki!

Professor Stefan Kuhlmann
President of the Eu-SPRI Forum

Welcome from the CEO of VTT Technical Research Centre of Finland

Dear Eu-SPRI Conference
Participants, Ladies and Gentlemen

Since the early 1990s' recession till the early 2000s Finnish economy grew among leading knowledge based economies. The growth was boosted by significant Government RDI Programmes. Now, in the prolonged era of austerity, both industrial and public RDI investments have decreased in Finland. According to Statistics Finland, R&D expenditures fell to EUR 6.7 billion, or 3.3 per cent of GDP in 2013. This downward trend is expected to accelerate, and the expenditure in 2014 is estimated to fall to some EUR 6.4 billion, or 3.1 per cent of GDP. At the same time, competing economies continue to increase RDI investments.

During government negotiations VTT expressed in its statement on coming RDI policies in Finland that the share of RDI expenditure must be increased to 4% of GDP. The economic situation accentuates the importance of public RDI investments which must be increased by 3% annually.

High-level expertise in Finland can be transformed to new businesses and economic growth with the help of organisations such as the Tekes and VTT. As indicated by the study based on VTT's database of Finnish innovations, in the



past few years, 36% of Finnish technological innovations have included VTT expertise. The turnover of companies in key export sectors increased on average by 26% after innovations where VTT had a substantial role. Nearly 300 experts have moved from VTT to SMEs during years 2005–2010.

Successful RDI policies require high-level research to produce a strong knowledge base for decision-making. VTT has the largest critical mass in Finnish innovation policy studies.

As the education in this research in Finland is however scarce, VTT decided to join Eu-SPRI in order to strengthen national competencies within the globally leading forum in innovation policy studies.

I wish you a successful Eu-SPRI conference in Finland.

CEO Erkki KM Leppävuori

VTT Technical Research Centre of Finland

EU-SPRI 2015 ANNUAL CONFERENCE PROGRAMME AT A GLANCE

PRE-CONFERENCE: 9th of June 2015

	Meeting room: Tallinn
17.00–18.00	EU-SPRI Forum Executive Council Meeting.
18.00–19.00	Buffet Dinner for EU-SPRI General Assembly and Executive Council Participants.
19.00–20.30	EU-SPRI Forum General Assembly.

DAY 1: 10th of June 2015

8.00–9.00	Registration
9.00–9.30	Welcome: Co-Chairs of the Organizing Committee, EU-SPRI Forum President, Dr. Stefan Kuhlmann, CEO Erkki K.M. Leppävuori, VTT
9.30–10.15	Plenary: Key Note: Bengt-Åke Lundvall, Reflections on the origin of the NSI-concept and on its usefulness in a globalizing world economy
10.15–10.30	Coffee Break
10.30–12.30	PARALLELS SESSIONS 1
12.30–13.30	Lunch
13.30–15.30	PARALLELS SESSIONS 2
15.30–16.00	Coffee break
16.00–17.45	PARALLELS SESSIONS 3
18.00	Cocktails: Break Area

DAY 2: 11th of June 2015

9.00–9.45	PLENARY: Key Note: Susana Borrás: Innovation Policy in the Age of Governance: What Goals, What Role for the State?
9.45–10.00	Coffee break
10.00–12.00	PARALLELS SESSIONS 4
12.00–12.15	Break
12.15–13.00	PLENARY: Social Innovation: Policy Panacea Or Confused Concept For Innovation Studies?
13.00–14.00	Lunch
13.15–14.00	Special lunch session. Meeting room: Helsinki Xiabo Wu: Beyond the catch-up: Lessons from the Chinese firms
14.00–16.00	PARALLELS SESSIONS 5
16.00–16.30	Coffee break
16.30–18.00	PARALLELS SESSIONS 6
18.00–19.30	Break
19.30	Dinner at SAS Radisson Ball Room

DAY 3: 12th of June 2015

9.00–11.00	PARALLELS SESSIONS 7
11.00–11.30	Coffee break
11.30–12.30	PLENARY: Closing Session (Conference Summary, Announcements, Farewell)
12.30–13.30	Lunch

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10.15–10.30	Coffee Break

10.30–12.30

PARALLELS SESSIONS 1

GENERAL TRACK: SESSION 1A: COMBINED SESSION:

A) Relational capital B) Women in STI policy and practice

Chair: Mika Nieminen, VTT

The Role of Relational Capital in Formation of Macroculture and Adaptive Capability for Industry Renewal

Juha Oksanen, Maria Lima-Toivanen, Nina Rilla and Arho Suominen

Relational Capital and Company Performance: Case YIC in Finland

Kaisa Still, Jukka Huhtamäki, Olavi Lehtoranta and Arho Suominen

Does it Matter Who Leads? Women in U.S. Science and Technology Policy

Susan Cozzens, Kaye Husbands-Fealing and Debra Fitzgerald

Gender dynamics and women's careers in innovation ecosystems and knowledge practices

Elizabeth Pollitzer and Martina Schraudner

SESSION 1B: SOCIAL INNOVATION FUTURES:

BEYOND POLICY PANACEA AND CONCEPTUAL AMBIGUITY I

Chair: Paul Benneworth, University of Twente

Understanding social innovation: from innovation systems to innovation functions

Effie Amanatidou

Social innovation as radical innovation – a review and agenda

Magnus Gulbrandsen

Social Innovation As Institutional Innovation

Mónica Edwards Schachter

SESSION 1C: THE MISSING LINKS – DEMAND BASED POLICY MAKING AND INSTRUMENTS IN THE CONTEXT OF MISSION ORIENTATION. CONCEPTS, IMPACTS, GOVERNANCE CHALLENGES I

Chair: Jakob Edler, University of Manchester and Wouter Boon, Utrecht University

The Missing Links – Demand Based Policy Making And Instruments In The Context Of Mission Orientation: Concepts, Impacts, Governance Challenges

Wouter Boon and Jakob Edler

Articulations Of The ‘Ageing Society’ In Nanotechnology

Colette Bos, Alexander Peine and Harro van Lente

A Systemic and Co-Evolutionary Approach to Transformative Change in Health Care - The Case of Ambient Assisted Living Technologies And Active Ageing in Norway

Markus Bugge, Lars Coenen and Are Branstad

Conceptualizing The Active Role Of Users In Shaping Transitions

Johan Schot and Laur Kanger

SESSION 1D: TRANSFORMING INNOVATION POLICY I

Chair: Stefan Kuhlmann, University of Twente

Shifting Paradigms For European Innovation Policy: A Thought Piece

Jose Manuel Leceta and Gonzalo Leon

The Triple Challenge: The economy, Climate Change and Governance

Jan Fagerberg, Staffan Laestadius and Ben R. Martin

A Place-Based Approach to the Governance of Transformative Innovation Policy

Marja-Liisa Niinikoski and Kaisa Lähteenmäki-Smith

SESSION 1E: MODELLING TRANSITIONS TO SUSTAINABILITY: ADVANCES IN THEORY AND APPLICATIONS FOR POLICY I

Chair: Jonathan Köhler, Fraunhofer-ISI

It’s not age—it’s experience: How historical environmental dynamics influence firms’ ability to survive transitions

Allard van Mossel, Frank van Rijnsoever, Koen Frenken and Marko Hekkert

Modelling The Diffusion And Effect Of Behaviour Changing Feedback Devices

Georg Holtz, Thorben Jensen and Emile Chappin

The potential of Exponential Random Graph Models and Stochastic Actor Oriented Models in Transition Studies

Frans Hermans

SESSION 1F: REGIONAL POLICY

Chair: Antti Pelkonen, VTT

Who is the policy-maker? Agency in regional innovation policy in Greater Manchester and the Basque Country

Kieron Flanagan, Eburne Magro, Elvira Uyarra and James Wilson

Are Finnish Regional Innovation Clusters Fruitful For Foreign Subsidiary Innovation?

Iiris Saittakari and Nina Rilla

The Role of Policy in Regional Path Creation: A Comparison of New Media and Biogas in Southern Sweden

Roman Martin, Hanna Martin and Michaela Trippel

What Makes the Difference? Analysing The Regional Component of the Influence of University's Structural Configuration On Its Performance

Mabel Sanchez-Barrioluengo and Paul Benneworth

12.30–13.30

Lunch

13.30–15.30

PARALLELS SESSIONS 2

SESSION 2A: SMART SPECIALIZATION

Chair: Tarmo Kalvet, Tallinn Technological University

Smart Specialization for Economic Change: The Case of Spain

Jaime Del Castillo, Jonatan Paton and Belen Barroeta

Smart Specialisation in small, young, peripheral nations; insights from Wales and Estonia

Rhiannon Pugh, Kaija Valdmaa and Piret Tonurist

Sectoral R&D Specialisation and Industrial Policy Targeting in Small Countries

Kadri Ukrainski, Hanna Kanep and Karin Tartu

The Scientific Basis for Smart Specialisation in Europe

Gaston Heimeriks, Ingeborg Meijer and Alfredo Yegros

SESSION 2B: SOCIAL INNOVATION FUTURES:

BEYOND POLICY PANACEA AND CONCEPTUAL AMBIGUITY

Chair: Effie Amanatidou, Manchester University

Social and Cultural Innovations as Pillars of Future-minded Creative City Development Systems

Annamaria Orban

Analysing, understanding and shaping social innovation:

The example of 100 years social housing in the city of Vienna

Susanne Giesecke

Social Innovation and Societal Challenges: Re-framing the concept and practice of assisted living in Britain and Norway

Markus Bugge, Lars Coenen, Pedro Marques and Kevin Morgan

SESSION 2C: THE MISSING LINKS – DEMAND BASED POLICY MAKING AND INSTRUMENTS IN THE CONTEXT OF MISSION ORIENTATION. CONCEPTS, IMPACTS, GOVERNANCE CHALLENGES

Chair: Jakob Edler, University of Manchester and Wouter Boon, Utrecht University

Dealing With Conflicting Demands In Emerging Technologies – When Public And Private Users Collide

Wouter Boon and Haico Te Kulve

New Value Spaces for Emerging Health Innovations

Ellen Moors and Alexander Peine

Non-Public Bulk Consumers As Drivers of Eco-Innovations

Frieder Rubik and Ria Müller

Public procurement of innovation: A Review Of Rationales, Instruments And Design

Julien Chicot and Mireille Matt

SESSION 2D: TRANSFORMING INNOVATION POLICY

Chair: Jose Manuel Leceta, European University Institute

Evolving Concertation – New constellations of actors addressing Grand Challenges

Stefan Kuhlmann and Arie Rip

The Pervasiveness of Innovation And Why We Need To Re-Think Innovation Policy to Rescue It

Jakob Edler and Helga Nowotny

Moving Innovation Policy from a Competition to a Transformative Change Agenda

Johan Schot

SESSION 2E: MODELLING TRANSITIONS TO SUSTAINABILITY: ADVANCES IN THEORY AND APPLICATIONS FOR POLICY

Chair: Georg Holtz, Wuppertal Institute for Climate, Environment and Energy

The dynamic simulation of TIS functions in transitions pathways: niche/regime actors and policy drivers for change

Jonathan Köhler, et al.

Transitions and Critical Fragmentation: A Percolation Model

Elena M. Tur, Paolo Zeppini and Koen Frenken

Towards Empirical Modelling Of An Integrated TIS-MLP Approach: An Explanatory Case Study On Wind Turbines

Rainer Walz, Jonathan Köhler, Christian Lerch and Christian Sartorius

15.30–16.00

Coffee break

16.00–17.45

PARALLELS SESSIONS 3

GENERAL TRACK: SESSION 3A: INNOVATION POLICY I

Chair: Janne Lehenkari, VTT

Innovation policy at stake: Should we throw the baby with the bath water or change the composition of the bath waters

Philippe Laredo

Differential Outcomes to Strategy - Exploring Factors Shaping the Returns to Innovation Policies in China and Russia

Yanchao Li, Maria Karaulova, Oliver Shackleton and Philip Shapira

Excellence in Cohesion: Exploring Synergies between Smart Specialisation Strategies and Knowledge and Innovation Communities

Karel Haegeman and Totti Könnölä

SESSION 3B: SOCIAL INNOVATION FUTURES: BEYOND POLICY PANACEA AND CONCEPTUAL AMBIGUITY

Chair: Magnus Gulbrandsen, University of Oslo

Social innovation as a form of socio-technical transition

Paul Benneworth

On the Theory of Social Innovations: Tarde's Disregarded Contribution to the Development of A Sociological Innovation Theory

Jürgen Howaldt, Dmitri Domanski and Michael Schwarz

SESSION 3C: THE MISSING LINKS – DEMAND BASED POLICY MAKING AND INSTRUMENTS IN THE CONTEXT OF MISSION ORIENTATION. CONCEPTS, IMPACTS, GOVERNANCE CHALLENGES

Chair: Chair: Jakob Edler, University of Manchester and Wouter Boon, Utrecht University

Supply or Demand or Supply and Demand?

Dimitri Gagliardi, John Rigby and Yanchao Li

Integrating Demand and Mission-Oriented Innovation Policy: Rationales For the Adoption Of Public Procurement Of Innovation As A Demand-Side Innovation Policy Mechanism

Lisa Dale-Clough

Managing Innovation Risks With Pre-Commercial Procurement And Innovation Support Schemes

Ville Valovirta

GENERAL TRACK: SESSION 3D: INNOVATION INDICATORS

Chair: Jon-Mikel Zabala-Iturriagoitia, University of Deusto

Exploring Biases And Potential Effects of S&T Indicators In Peripheral Spaces

Jordi Molas-Gallart, Ismael Rafols and Diego Chavarro

**An Attempt To Measure Innovation Differently –
Results Of A Pilot Survey**

Janne Huovari, Olavi Lehtoranta and Mika Nieminen

**Sweden is not the innovation leader of Europe or
The Innovation Union Scoreboard is flawed**

Charles Edquist and Jon Mikel Zabala-Iturriagoitia

**GENERAL TRACK: SESSION 3E:
POLICY OPTIONS FOR ENCOURAGING INNOVATION**

Chair: Torsti Loikkanen, VTT

**What's On The Table? Technology Policy Options
To Encourage The Financing Of Biotech Innovation**

Michael Hopkins

**The Emergence And Troubled Growth Of Bio-Diesel
Innovation System In Taiwan**

Chao-Chen Chung

Policy and Funding Decisions in Brazil's Oil And Gas Sector

Alec Waterworth

18.00 Cocktails: Break Area

DAY 2: 11th of June 2015

9.00-9.45 PLENARY: Key Note: Susana Borrás: Innovation Policy in the Age
of Governance: What Goals, What Role for the State?

9.45-10.00 Coffee Break

10.00-12.00 PARALLELS SESSIONS 4

GENERAL TRACK: SESSION 4A: HUMAN CAPITAL IN STI

Chair: Nina Rilla, VTT

**Modelling the Contribution of Innovative Human Capital As
A Driver of Firm-Level Innovation And Assessing The Implications
for Innovation Policy**

Helena Lenihan, Helen McGuirk and Justin Doran

**Extending The Contract For Another Year? Subsidies To Foster
The Employability of S&T Workers In Spain**

Catalina Martinez, Laura Cruz-Castro and Luis Sanz-Menendez.

Promotion and systems of promotion in academic careers

Laura Cruz-Castro et al.

**Research, Education and Innovation Systems in the European
Union: Developing New Strategies to Compete in the Global
and Knowledge-based Economy**

Silvia Bruzzi

GENERAL TRACK: SESSION 4B: FIRM BASED STI

Chair: Matthias Deschryvere, VTT

Manufacturing Capacity, Market Linkage and Profitability of R&D. Implications for R&D Policy in SMEs

Juan Carlos Salazar-Elena, Asunción López López and
M. Paloma Sanchez Muñoz

Customer Orientation and Firm Performance

Matthias Deschryvere and Petri Rouvinen

The Practice of Entrepreneurship: Support for Innovation on private forest land

Alice Ludvig, Veera Tahvanainen and Gerhard Weiss

SESSION 4C: OPENING UP THE INNOVATION SYSTEM FRAMEWORK TOWARDS NEW ACTORS AND INSTITUTIONS

Chair: Philine Warnke, Fraunhofer-ISI

Opening Up The Innovation System Framework Towards New Actors And Institutions

Philine Warnke, Knut Koschatzky et al.

Assessing The Uptake Of Challenge-Led And Practice-Based Innovation By The European Union

Gijs Diercks and Fred Steward

Crowdfunding And Innovation System Failures

Bernd Ebersberger and Annalena Wiesend

Public risk capital funding should be seed funding – but additionality is not there!

Charles Edquist and Susana Borrás

SESSION 4D: SMART POLICIES, INNOVATION AND TRANSFORMATION OF MANUFACTURING INDUSTRIES

Tekes-Vinnova Policy Round Table on Renewal in Manufacturing

Chair: Lennart Stenberg, VINNOVA

Innovation Policy – New Insights, New Directions

Dirk Pilat, OECD

The challenge of new industrial policy: how to facilitate the growth of new business ecosystems

Timo Hämäläinen

Implementing ‘new’ innovation policy programs – some prospects and challenges

Göran Marklund, Christopher Palmberg

Other Panelists: Cecilia Warrol and Kirsti Vilen

SESSION 4E: INNOVATION COLLABORATION TO TACKLE SOCIETAL CHALLENGES AND PROMOTE DEVELOPMENT

Panel: Academic, Policy and Practice Perspectives on Innovation for Development

Chair: Aki Enkenberg, Finnish Ministry for Foreign Affairs
Panelists: Erika Kraemer-Mbula, Institute for Economic Research on Innovation (IERI) in Tshwane University of Technology, South Africa
Regina Helena Alves da Silva, Postgraduate Program in Social Communication at the Federal University of Minas Gerais (UFMG) Brazil and Director of Pro-Citta – Pro Citizenship Studies Institute
Mika Väitalo, Plan International Finland
Nina Strandberg, Department for Partnerships and Innovations Swedish International Development Cooperation Agency (Sida)

GENERAL TRACK: SESSION 4F: INNOVATION POLICY II

Chair: Ville Valovirta, VTT

Demand-Based Policies and Innovativeness of the Economic Sectors

Kadri Ukrainski and Teet Kannike

Socio-technological transitions and new business logics – From cluster policies towards ecosystem policies

Satu Pekkarinen, Satu Rinkinen and Vesa Harmaakorpi

Smart Specialization in Finland: Empirical Bottom-Up View

Jari Kolehmainen and Henrika Ruokonen

Analysing The Impacts of A High-Level Research and Innovation Policy Council – Conceptual Framework and A Case Study

Antti Pelkonen, Mika Nieminen and Janne Lehenkari

12.00–12.15	Break
12.15–13.00	PLENARY: Social Innovation: Policy Panacea Or Confused Concept For Innovation Studies? Chair: Magnus Gulbrandsen Panelists: Susana Borrás, Effie Amanatidou and Paul Benneworth
13.00–14.00	Lunch
13.15–14.00	Special Lunch Session. Meeting room: Helsinki Xiabo Wu: Beyond the catch-up: Lessons from the Chinese firms
14.00–16.00	PARALLELS SESSIONS 5 GENERAL TRACK: SESSION 5A: PATENTS I Chair: Olof Ejerme, Lund University Individual Versus Institutional Ownership of University-Discovered Inventions Czarnitzki Dirk, Thorsten Doherr, Katrin Hussinger, Paula Schliessler and Andrew Toole. Academic patenting meets agent-based simulation: provisional results and research perspectives Sabrina Backs, Markus Günther and Christian Stummer.

**Patent Assignment And Quality of Academic Inventions:
An Analysis of Italian Data, 1996–2009**

Francesco Lissoni, Michele Pezzoni and Valerio Sterzi

University Innovation and the Professor's Privilege

Hans Hvide and Benjamin Jones

**GENERAL TRACK: SESSION 5B:
EMERGING INNOVATION ECOSYSTEMS**

Chair: Torsti Loikkanen, VTT

**Toward a better understanding of blocking mechanisms in
Systems of Innovation: insights from an analysis of the relatedness
of problems in a case study of high energy efficient houses
in the Netherlands**

Alco C. Kieft, Robert Harmsen and Marko P. Hekkert

**Innovation Systems and Human Spare Parts Industry Seen Through
a Competence Set: A Conceptual Discussion With An Illustrative
Case From Tampere, Finland**

Markku Sotarauta and Tuomo Heinonen

**Emerging Ecosystems, Innovation Policies And Socio-Economic
Transitions: The Case of Synthetic Biology**

Toni Ahlqvist, Mikko Dufva and Kaisa Oksanen

**SESSION 5C: CHANGING INNOVATION POLICY AND
GOVERNANCE FOR SUSTAINABILITY**

Chair: Lars Coenen, Lund University

**Timing, Scale and Coordination In Policy Mixes
for Sustainable Transitions: The Case of Sweden**

Lisa Scordato, Antje Klitkou and Lars Coenen

**The Innovation Impact Of The Policy Mix For Renewable
Power Generation: A Survey of German Technology Providers**

Karoline Rogge and Joachim Schleich

**University-Industry-Government Collaboration for Sustainability
Innovation: Functions and Mechanisms of Stakeholder Platforms
on Smart Cities**

Masaru Yarime

**Learning From Demonstration Projects in Sustainable Energy
and Transport**

Per Dannemand Andersen and Dorothy Sutherland Olsen

**SESSION 5D: SMART POLICIES, INNOVATION AND
TRANSFORMATION OF MANUFACTURING INDUSTRIES**

Tekes Vinnova Meeting – Renewal in Manufacturing

Chair: Daniel Johansson, Vinnova and Christopher Palmberg, Tekes

SESSION 5E: INNOVATION COLLABORATION TO TACKLE SOCIETAL CHALLENGES AND PROMOTE DEVELOPMENT

Chair: Melissa Plath, Finnish University Partnership for International Development

A Roadmap for EU-LAC collaboration on nanotechnologies for meeting water sustainability challenges

Mona Arnold et al.

Towards A Roadmap for Deployment of Nanotechnology Energy for Latin America

Luis C. Pérez et al.

Dimensions of Social Innovation and the Promotion Local Economic Development in the Brazilian Semi-arid

Ana Clara Aparecida Alves De Souza, Bruno De Souza Lessa and José Carlos Lázaro Da Silva-Filho

Reflections on the Democratization of Knowledge Generation in Research Partnerships for Sustainable Development

Cordula Ott

16.00–16.30

Coffee Break

16.30–18.00

PARALLELS SESSIONS 6

GENERAL TRACK: SESSION 6A: PATENTS II

Chair: Hannes Toivanen, VTT

Funding and Ownership of Academic Inventions: Evidence From A Patent-Level Survey

Francesco Lissoni, Catalina Martinez and Luis Sanz-Menendez

Evaluating the abolishment of the Finnish professor's privilege

Olof Ejermo, Olavi Lehtoranta and Hannes Toivanen

A market for green patents? Analysis of ownership changes in environmental technologies from Spain

Cristina Peñasco, Catalina Martinez and Pablo Del Rio

GENERAL TRACK: SESSION 6B: RESPONSIBLE INNOVATION POLICY

Chair: Toni Ahlqvist, VTT

University of Sao Paulo Innovation Activities With Social Responsibility: When Opportunity Meets Social Needs

Luciane Meneguín Ortega, Daniel Marcelo Dias Entorno and Vanderlei Salvador Bagnato

The Grand Challenges: A Potential Boost For A Responsible Research And Innovation

Giovanni Colombo

Welfare Transition Experiments in Korea: Learning and Policy Challenges Ahead

Mee Kim and Jieun Seong.

**SESSION 6C: OPENING UP THE INNOVATION SYSTEM
FRAMEWORK TOWARDS NEW ACTORS AND INSTITUTIONS**

Chair: Philine Warnke, Fraunhofer-ISI

**Addressing Orientation Failure: Conceptual Thoughts On How
To Integrate Directionality In The Systems Of Innovation Heuristic**

Ralf Lindne et al.

**Institutions And Technological Innovations: The Case Of
The Adoption And Diffusion Of Digital Projectors In France**

Kim-Marlene Le

**Institutional Entrepreneurship In The Emerging Renewable
Energy Field: Incumbents Versus New Entrants**

Magda Smink, Marko Hekkert and Simona Negro

**SESSION 6E: INNOVATION COLLABORATION TO TACKLE
SOCIETAL CHALLENGES AND PROMOTE DEVELOPMENT**

Chair: Gonzalo Ordóñez-Matamoros, University of Twente

**The Evaluation of Behavioural Additionality in Mexico:
A Case of current methodological practices**

Carlos Ramos

**Exploring the Role of International Technology Transfer
in Enhancing Innovative Capacities and Technological
Capabilities of Firms in Developing Countries**

Henrik Larsen

**Highly Skilled Migration and Knowledge Diffusion:
A Gravity Model Approach**

Claudia Noumedem Temgoua and Ernest Miguelez

18.00–19.30

Break

19.30

Dinner At Sas Radisson Ball Room

DAY 3: 12th of June 2015

9.00–11.00

GENERAL TRACK: SESSION 7A: INNOVATION POLICY III

Chair: Matthias Weber, AIT

**Towards new mission-oriented RTI policy and new rationales for
programming and priority-setting: insights from the case of security**

K. Matthias Weber and E.Anders Eriksson

**Between policy and practise: The effects of innovation and
science policies on faculties and research groups**

Elizabeth Koier et al.

**Measuring The Knowledge Flow Between Science and Public:
Mass Media's Role in Innovation Systems**

Victoria Kayser

Challenges of the European research area in shifting towards long-term transformative science, technology and innovation strategy

Mikko Dufva et al.

GENERAL TRACK: SESSION 7B: Evaluation and foresight methods

Chair: Mika Nieminen, VTT

A system dynamic and multi-criteria perspectives in evaluation of innovations

Kirsi Hyytinen, Sampsa Ruutu, Mika Nieminen and Marja Toivonen

Evaluating long-term transitions on a short-term basis: towards an evaluation tool

Lize Van Dyck and Kris Bachus

The Tower of Babylon in the Civil Service: Foresight as a Method of Coordination

Michael Dinges, Peter Biegelbauer and Doris Wilhelmer

GENERAL TRACK: SESSION 7C: Innovation policy IV

Chair: Paula Kivimaa, SYKE, SPRU

What Is An Emerging Technology?

Daniele Rotolo, Diana Hicks and Ben Martin

Demand-Based Policies and Innovativeness of the Economic Sectors

Kadri Ukrainski and Teet Kannike

Entrepreneurial Scientist and the Governance of Public Research: The Case of Chinese Academy of Sciences

Min Leng

Intermediation for eco-innovations: Aalto Centre for Entrepreneurship in the context of a university innovation ecosystem

Paula Kivimaa, Wouter Boon and Riina Antikainen

SESSION 7D: SMART POLICIES, INNOVATION AND TRANSFORMATION OF MANUFACTURING INDUSTRIES

Chair: Hannes Toivanen, VTT

Policy, transformation and productivity

Staffan Laestadius

Renewal of manufacturing industries: how to support radical innovation?

Matti Pihlajamaa, Tuulikki Olander and Jukka-Pekka Kevätsalo

Through the Ice and the Cold War – Development of the Finnish Artic Shipbuilding

Saara Matala

Innovations in Wood-based Process Industries in Transition: Management & Policy Implications

Michael Novotny

SESSION 7E: INNOVATION COLLABORATION TO TACKLE SOCIETAL CHALLENGES AND PROMOTE DEVELOPMENT

Chair: Maria Lima-Toivanen, VTT

Roadmap for Deployment of Nanotechnology for Health in Latin America by 2025

Maria Lima-Toivanen, Ineke Malsch, Martina Lindorfer and Kaisu Loikkanen

Qualitative analysis for action prioritization for the implementation of innovative technologies in the health sector

Maria De Pilar Lopez Acuña, et al.

Public Health and Medicine in the Middle-East: Innovations and Institutions

Muhammad H. Zaman

Integration Service Development of Information Learning Activities Within Distance Education In Brazil

Ivanildo José De Melo Filho et al.

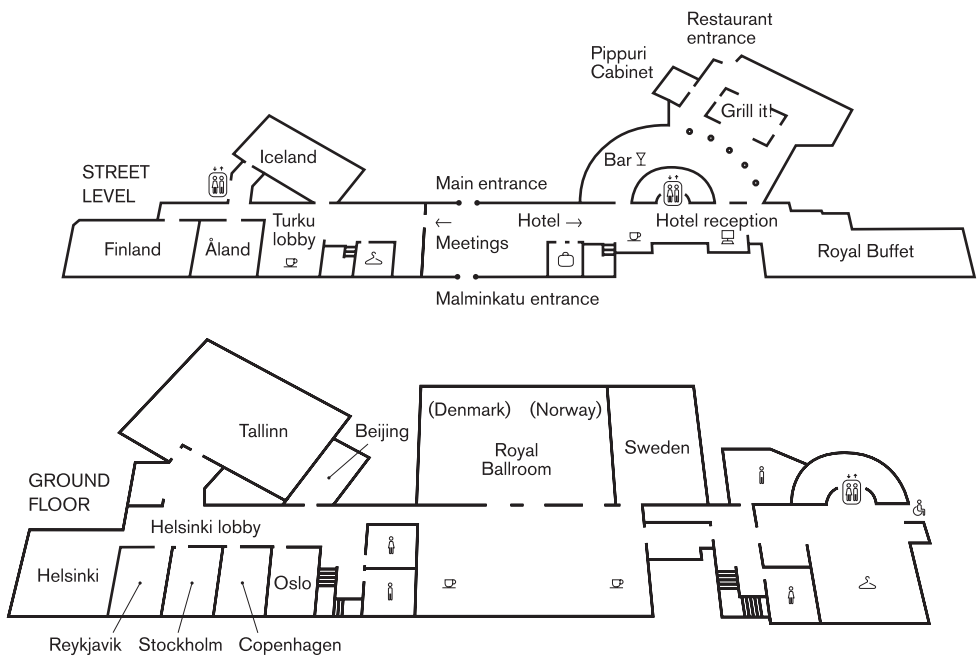
11.00–11.30	Coffee Break
11.30–12.30	PLENARY: Closing Session (Conference Summary, Announcements, Farewell)
12.30–13.30	Lunch

ROOM GUIDE AND MAP OF CONFERENCE VENUE

MEETING ROOM GUIDE

- TRACK A Ball Room: Denmark
- TRACK B Ball Room: Norway
- TRACK C Ball Room: Sweden
- TRACK D Tallinn
- TRACK E Åland
- TRACK F Helsinki

All Plenary Sessions in the Ball Room



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