

{ NEW HORIZONS \ NEW CHALLENGES }

\\CONFERENCE 2013

evaluation of STI policies, instruments and organisations

## Evaluation of STI policies, instruments and organisations: New horizons and new challenges

### Pre-Conference Event

#### 13 November 2013

19:00 Get-together reception and guide through the world-famous [JOSEPHINUM](#) hosted by the Vienna Science and Technology Fund.  
Location: JOSEPHINUM, Währinger Str. 25, 1090 Vienna (Please register yourself for this event).

### PROGRAMME

#### DAY 1, 14 November 2013

08:00 – 09:00 Registration (Location: [Tech Gate](#), Donau-City-Straße 1, 1220 Vienna)

#### 09:00 – 09:15 **Welcome addresses by organisers**

Katharina WARTA, fteval – Austrian Platform for Research and Technology Policy Evaluation; Jakob EDLER, University of Manchester - Manchester Institute of Innovation Research; Philippe LAREDO, Institut Francilien, Recherche, Innovation et Société/ Université Paris-Est

09:15 – 10:00 First key note speech *The Politics and Policies of Evaluation in a Multi-level Research System*  
Wilhelm KRULL, Volkswagenstiftung

10:00 – 10:45 Panel 1 – **New RTI instruments – new intelligence requirements: what has to be considered in RTI evaluations?**

Panelists: Katharina WARTA, Technopolis (Moderator); Dominique GUELLEC, OECD, Stefan KUHLMANN, University of Twente, Rupert PICHLER, Austrian Federal Ministry of Transport, Innovation and Technology

10:45 – 11:15 Coffee Break

11:15-13:15 **Parallel Sessions 1 + 2 + 3**

<p><b>Session 1: New approaches for evaluating STI policies and instruments</b></p> <p>Chair: Dominique GUELLEC, OECD</p> <p>Discussant: Matthias WEBER, Austrian Institute of Technology</p> <p>Room: Atrium</p> <p><u>Presentations:</u></p> <p>Matthias WEBER, AIT and Wolfgang POLT, Joanneum Research: <b>Assessing mission-orientated R&amp;D programs: combining foresight and evaluation</b></p> <p>Pierre-Benoit JOLY, Institut Francilien Recherche Innovation Société (IFRIS) and INRA/SenS, Ariane GAUNAND, Grenoble Applied Economics Lab (GAEL), Philippe LAREDO, IFRIS, Mireille MATT, GAEL and Stéphane LEMAIRE, IFRIS: <b>Designing and implementing a new approach for the ex-post assessment of impact of research – a return of experience from the ASIRPA project</b></p> <p>Stephanie DAIMER, Fraunhofer Institute for Systems and Innovation Research: <b>Evaluating the novel German “VIP” measure – addressing the stage of translational research between basic research and valorisation</b></p> <p>Stephan ROPER, University of Warwick/ Warwick Business School: <b>An experimental approach to industrial policy</b></p>	<p><b>Session 2a: Assessing the variety and long-term impact of research (organised by the Austrian Science Fund)</b></p> <p>Chair: Rudolf NOVAK, FWF</p> <p>Discussant: Klaus ZINÖCKER, FWF (tbc.)</p> <p>Room: Room 2</p> <p><u>Presentations:</u></p> <p>Erik ARNOLD, Technopolis and University of Twente, and Terttu T. LUUKKONEN, The Research Institute of the Finnish Economy: <b>How to evaluate research funding organisations</b></p> <p>Rudolf NOVAK, Austrian Science Fund: <b>Ten Years of end of project report recording in the FWF: results, trends and perspectives</b></p> <p>Rodrigo COSTAS and Erik Van WIJK, Centre for Science and Technology, University Leiden: <b>Bibliometric study of FWF Austrian Science Fund (2001-2010/11): main results</b></p> <p>Ralph REIMANN, Austrian Science Fund: <b>Bibliometric study of FWF Austrian Science Fund (2001-2010/11): from the funder’s perspective</b></p> <p>Chris L. S. CORYN, Western Michigan University: <b>Central Findings and Lessons Learned from an Evaluation of the Swiss National Science Foundation</b></p>	<p><b>Session 3: STI policy evaluation in new- and non-OECD Countries</b></p> <p>Chair: Ken GUY (OECD) (tbc.)</p> <p>Discussant: Lena TSIPOURI, University of Athens</p> <p>Room: Room 3</p> <p><u>Presentations:</u></p> <p>Domagoj RACIC, Knowledge Network, Zagreb, Croatia / University of Ljubljana: <b>Slovenia Innovation policy in Croatia, Slovenia and Finland: Common framework and/or multiple ‘best practices’?</b></p> <p>Erkki KARO, Ly LOOGA, Priit LUMI, Piret TONURIST and Kaija VALDMAA, Tallinn University of Technology, Ragnar Nurkse School of Innovation and Governance: <b>Challenges to science policy and its evaluation in small and catching-up countries: experiences from the Estonian science system</b></p> <p>Yuri SIMACHEV, Mikhail KUZYK and Vera FEYGINA, Interdepartmental Analytical Center: <b>Evaluation of State Policy for Industrial Innovation Support in Russia: Instruments, Beneficiaries, and Limitations</b></p> <p>Olha KRASOVSKA, State Fund for Fundamental Research, State Agency of Ukraine of Science, Innovation and Information, Vitalii GRYGA and Victor RYBACHUK, STEPS</p>
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<p><b>evaluation: The case of Creative Credits (</b> Abdullah GÖK, University of Manchester/ Manchester Institute of Innovation Research: <b>The Use of Experimental and Quasi-Experimental Methods in Innovation Policy Evaluation</b></p>	<p>Klaus ZINÖCKER, Austrian Science Fund: <b>How long does it take to get to Mars? Some remarks on the cumbersome way to measure long term effects of Research</b></p>	<p>Center, National Academy of Sciences of Ukraine: <b>Evaluation of R&amp;D Institutions in Ukraine – The New Approach</b> Manfred HORVAT, Vienna University of Technology: <b>S&amp;T Policy Peer Review for Kazakhstan – A Case Study</b></p>
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13:15 – 14:15 Lunch

14:15-15:45 **Parallel Sessions 4a + 5**

<p><b>Session 4a: Challenges in assessing new European Research Area polices, programmes and instruments</b></p> <p>Chair: Wolfgang POLT, Joanneum Research</p> <p>Discussant: Jakob EDLER, Manchester Institute of Innovation Research</p> <p>Room: Atrium</p> <p><u>Presentations:</u></p> <p>Emanuela REALE, CERIS CNR Institute for research on firm and growth, Maria NEDEVA and Thomas DUNCAN, University of Manchester/ Manchester Institute of Innovation Research, Emilia PRIMERI, CERIS CNR: <b>Assessing the impact of joint and open research programmes: a process-centred approach</b></p> <p>Martin-Felix GAJDUSEK, ZSI – Centre for Social Innovation and Nikos SIDIROPOULOS, University of Athens, Centre of Financial Studies: <b>Monitoring and Evaluation in joint calls of “horizontal – INCO” ERA-NET and ERA-NET PLUS actions</b></p> <p>Martin MAREK and Erich PREM, eutema Technology Management GmbH &amp; Co KG: <b>Visualizing programme participations with interactive maps</b></p> <p>Karel HAEGEMAN and Mathieu DOUSSINEAU, Institute for Prospective Technological Studies, Joint Research Centre, European Commission: <b>Bridging the innovation gap: Private sector involvement in public-to-public R&amp;D funding co-operation</b></p>	<p><b>Session 5: Evaluating for selection – challenges and opportunities</b></p> <p>Chair: Jordi Molas GALLART, Spanish Council for Scientific Research (CSIC)</p> <p>Discussant: Leonhard JÖRG, FFG – Austrian Research Promotion Agency</p> <p>Room: Room 2</p> <p><u>Presentations:</u></p> <p>Ina DREJER and Poul-H. ANDERSEN, Aalborg University: <b>Is the tail wagging the dog? An analysis of possible isomorphism effects in innovation project applications</b></p> <p>Peter BIEGELBAUER and Thomas PALFINGER, AIT – Austrian Institute of Technology: <b>Selecting Innovation: Project Selection Procedures in Research Funding Agencies</b></p> <p>Susanne BÜHRER, Fraunhofer Institute for Systems and Innovation Research: <b>New modes of stakeholder involvement in ex ante impact assessments</b></p> <p>Kathy WHITELEGG, AIT – Austrian Institute of Technology and Boris KRAGELJ, European Research Executive Council: <b>Can bibliometric indicators be used to support the European Research Council identify frontier research – and if so how?</b></p>
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15:45 – 16:15 Coffee Break

16:15 – 18:15 **Parallel Sessions 4b+2b**

**Session 4b: Challenges in assessing new European Research Area policies, programmes and instruments**

Chair: Stefan KUHLMANN, Department of Science, Technology, and Policy Studies/ University of Twente

Discussant: Elke DALL, ZSI – Centre for Social Innovation

Room: Atrium

Presentations:

Alexander CUNTZ and Jan PEUCKERT, Berlin University of Technology, Chair of Innovation Economics: **Openness Determinants of National Research Funding Programmes in EU27: the Role of ERA-Net Inclusion**

Pieter HERINGA and Laurens HESSELS, Rathenau Institute, Marielle van der ZOUWEN, KWR Watercycle Research Institute: **The potential of proximity indicators for evaluating international research networks: a case study of the water sector**

André MARTINUZZI and Markus HAMETNER, Vienna University of Economics and Business, Research Institute for Managing Sustainability (RIMAS): **The FP7-4-SD.eu monitoring system – how does the 7th EU Framework Programme contribute to Sustainable Development?**

Nathalie HUBER and Antje WEGNER, Institute for Research Information and Quality Assurance: **How funding of “excellent” young researchers contributes to the European Research Area – Reflections on empirical results obtained from evaluating the “Starting Grants” program**

Ana FERNANDES-ZUBIETA, Institute for Advanced Social Studies -Spanish National Research Council (IESA-CSIC), Elisabetta MARINELLI and Susana Elena PEREZ, Institute for Prospective Technological Studies, Joint Research Centre, European Commission: **Research-mobility or job-stability? Challenges to the ERA**

**Session 2b: Assessing the variety and long-term impact of research**

Chair: Maria NEDEVA, MIOIR

Discussant: Göran MELIN, Technopolis Stockholm

Room: Room 2

Presentations:

Mika NIEMINEN, Kirsi HYYTINEN, Anu TUOMINEN, Heidi AUVINEN and Juha OKSANEN, VTT Technical Research Centre of Finland: **Understanding “complexity”: future oriented impact assessment in complex decision-making environment**

Federica ROSSI, Birkbeck, University of London, Annalisa CALOFFI, University of Padova: **The long term effects of policies in support of innovation networks**

Ariane GAUNAND and Mireille MATT, Grenoble Applied Economics Lab (GAEL), Stéphane LEMARIE and Amandine HOCDE, Institut Francilien Recherche Innovation Société (IFRIS), Elisabeth De TRUCKHEIM, INRA: **How does public agricultural research impact society? Towards a characterization of various patterns**

Claudia MICHEL, University of Bern, Centre for Development and Environment CDE, Simon HEARN, Overseas Development Institute ODI, Gabriela WUELSE, Swiss Federal Institute of Technology Zurich, Environmental Philosophy, Thomas BREU, University of Bern/CDE: **Assessing the impacts of transdisciplinary research in reducing poverty: the case of the NCCR North-South**

Laurence COLINET, INRA, Pierre-Benoit JOLY and Philippe LAREDO, Institut Francilien Recherche Innovation Société (IFRIS), Ariane GAUNAND, Grenoble Applied Economics Lab (GAEL): **Public research organizations and their impact on public policy from observations towards the characterization of impact**

18:15-19:00 **Special Session: HORIZON 2020 – the overall evaluation approach: critical reflection and discussion**

Impulse presentation by Peter FISCH, European Commission,

Panel: Jakob EDLER, University of Manchester - Manchester Institute of Innovation Research (moderator), Peter Van den BESSELAAR, VU University Amsterdam  
Network Institute & Department of Organization Studies, Erik ARNOLD, Technopolis

19:00 Bus to dinner (Viennese Wine Tavern [“Heuriger”]: [Weingut Christ](#)) (Amtsstr. 10-14, 1210 Vienna) (Please register yourself for this event)

19:30 – 22:30 Dinner

## DAY 2, 15 November 2013

09:00 – 10:00 Second key note speech *Current changes and challenges in the field of STI policy-making and the effects this might have on STI evaluation theory and practice*

Irwin FELLER, Prof. Em., Economics, Pennsylvania State University

10:00 - 12:15 **Parallel Sessions 6 + 7** (short coffee break included)

### Session 6: Evaluation practices scrutinised

Chair: Michael STAMPFER, WWTF- Vienna Science and Technology Fund

Discussant: Abdullah GÖK, University of Manchester - Manchester Institute of Innovation Research

Room: Atrium

Presentations:

Terttu T. LUUKKONEN, The Research Institute of the Finnish Economy: **Reflexions on evaluation practice**

Erich PREM, eutema Technology Management GmbH & Co KG: **Evaluation as the construction of policy narratives**

Jürgen STREICHER, Vienna University of Economics and Business: **The Influence of Evaluations on STI Policy Making**

Franz BARJAK, University of Applied Sciences and Arts Northwestern Switzerland FHNW: **Supporting policy learning by means of an evaluation synthesis: findings from a study on Swiss innovation policies**

Wolfgang POLT, Joanneum Research, Kaisa LÄJTEEMÄKI-SMITH and Kimmo HALME, Ramboll Management Consulting: **How to evaluate large-scale 'transformative' STI funding programmes**

### Session 7: Evaluation of STI policy portfolios and policy mixes

Chair: Benedetto LEPORI, Centre for Organisational Research/ USI-Università della Svizzera italiana

Discussant: Sonja SHEIKH, SME Research Austria

Room: Room 2

Presentations:

Peter Van den BESSELAAR, VU University Amsterdam Network Institute & Department of Organization Studies and Ulf SANDSTRÖM, Royal Institute of Technology - KTH: **Evaluation at the research systems level: Funding ecologies as policy portfolio**

Christiane KERLEN, Dr Kerlen Evaluation, Christian Von DRACHENFELS, Leo WANGLER and Jan WESSELS, Institut für Innovation und Technik, Volker WIEDMER, Hochschule Magdeburg-Stendal: **Portfolio evaluations: Evaluating policy portfolios and evaluation in a portfolio**

Ly LOOGA, Tallinn University of Technology, Ragnar Nurkse School of Innovation and Governance: **How STI policy instruments affect science and business cooperation in the Estonian ICT sector?**

Edurne MAGRO and James R. WILSON, Basque Institute of Competitiveness and Deusto Business School, University of Deusto: **Territorial Strategy Evaluation: Beyond Evaluating Policy-Mix**

12:15 – 13:30 Lunch + Lunchbreak Panel – **Enhancing the use of research information systems for RTI evaluation**

Panelists: Sybille HINZE, ifq – Institute for Research Information and QA (Moderator); Gretchen JORDAN, Innovation LLC; Göran MARKLUND, Vinnova; Sabine MAYER, Austrian Research Promotion Agency; Christina SCHUH, Humboldt Foundation

13:30-15:00 **Parallel Sessions 8 + 9 + 10**

<p><b>Session 8: Data, monitoring systems and indicators</b></p> <p>Chair: Sybille HINZE, IFQ-Institute for Research Information and Quality Assurance</p> <p>Discussant: Michael STRASSNIG, WWTF- Vienna Science and Technology Fund</p> <p>Room: Room 2</p> <p>Presentations:</p> <p>E. Brooks APPLGATE, Western Michigan University: <b>Management and Aggregation of Disparate Data from Disparate Sources: Illustrations from an Evaluation of the Swiss National Science Foundation</b></p> <p>Michael DINGES, AIT – Austrian Institute of Technology, Jakob EDLER, University of Manchester - Manchester Institute of Innovation Research and Matthias, WEBER, AIT: <b>Measures and means to position competence centres via monitoring data: evidence from the Austrian Competence Centre Programmes Kplus and K_Ind/K_net</b></p> <p>Matteo RAZZANELLI, Science Europe: <b>Data availability for STI policy portfolio evaluations: a process-related challenge requiring new models for stakeholder engagement</b></p> <p>Torger MÖLLER, Marion SCHMIDT and Daniel SIRTES, ifq – Institute for Research Information and Quality Assurance: <b>A Bibliometric Evaluation of the German Excellence Initiative Based on Three Data Selection Methods</b></p>	<p><b>Session 9: New Developments in Innovation Policy Evaluation</b></p> <p>Chair: Philippe, LAREDO, Institut Francilien, Recherche, Innovation et Société/ Université Paris-Est</p> <p>Discussant: Djuro KUTLACA, Mihail Pupin Institute (tbc.)</p> <p>Room: Atrium</p> <p>Presentations:</p> <p>Abdullah GÖK, University of Manchester - Manchester Institute of Innovation Research, Cornelia LAWSON, University of Turin/ BRICK - Bureau of Research in Innovation, Complexity and Knowledge: <b>Unfolding the Additionality of Innovation Policy</b></p> <p>Marco MARIANI and Chiara BOCCI, IRPET – Tuscany’s Regional Institute for Economic Planning: <b>Evaluating the effects of subsidy intensity on future R&amp;D investment using the generalized propensity score. Evidence from an Italian small-business program</b></p> <p>Christiane KERLEN, Dr Kerlen Evaluation, Ernst A. HARTMANN, Institut für Innovation und Technik: <b>Measuring product innovation and innovative capacity: new indicators to evaluate research programmes</b></p> <p>Sonja KIND, iit - Insitute for Innovation + Technology: <b>The Cluster Impact Analysis: A practice-oriented evaluation approach to measure the impacts achieved by companies that are committed members of cluster and network initiatives</b></p>	<p><b>Session 10: Evaluation of International RTI Programmes</b></p> <p>Chair: Gretchen JORDAN, Innovation LLC</p> <p>Discussant: Katharina WARTA, Technopolis</p> <p>Room: Room 3</p> <p>Presentations:</p> <p>Pattharaporn SUNTHARASAJ, National Science and Technology Development Agency of Thailand (NSTDA), Dundar F. KOCAOGLU, Engineering and Technology Management Department, Portland State Unviersity, Oregon: <b>Evaluating of the International Collaboration in Science and Technology Proposal: How to align the “Curiosity-driven Research”with the “Mission-oriented Goal”</b></p> <p>Isabella E. WAGNER and Stefanie SMOLINER, ZSI – Centre for Social Innovation: <b>Evaluation of the Austrian bilateral intergovernmental Programme for Science and Technology Cooperation</b></p> <p>Christina SCHUH, Humboldt Foundation: <b>Expectations on the long-term impact of international research fellowships from a political and an evaluation perspective: challenges and limits to measure side-effects</b></p>
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15:00 – 16:00

**Panel 3 – Strategies to successfully transfer evaluation results into policy practices**

Panelists: NN (Moderator) (tbc); Robert KERGER, Ministère de l'Enseignement supérieur et de la Recherche en Luxembourg, Jordi Molas GALLART, CSIC – Spanish National Research Council, Peter STERN, Technopolis Stockholm, Simone MESNER, Austrian Federal Ministry of Science and Research

16:00 – 16:30

Conference conclusions, the way ahead and farewell

Philippe LAREDO, Institut Francilien, Recherche, Innovation et Société/ Université Paris-Est

Klaus SCHUCH, fteval – Austrian Platform for Research and Technology Policy Evaluation

The conference is sponsored by:

