

# Seminar: Policy support to reforms of national research and innovation systems in Europe

Practical information booklet

11/12/2017



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**EUROPEAN COMMISSION**  
DIRECTORATE-GENERAL FOR RESEARCH & INNOVATION

Directorate A - Policy Development and Coordination  
**A.4 - 'Analysis and monitoring of national research and innovation policies**

**SEMINAR: Policy support to reforms  
of national research and innovation systems in Europe  
Brussels, 11 December 2017**

**Venue: ERCEA ROOM COV2 00/SDR2 AUDITORIUM**

<b>09.00-09.30 Opening session</b>	
<b>9.00-9.10 Welcome and introduction</b>	<ul style="list-style-type: none"> <li><b>Robert-Jan Smits</b>, Director-General, DG Research &amp; Innovation, European Commission - <i>Aim of the seminar and strategic importance of policy learning activities for improving research and innovation systems</i></li> </ul>
<b>9.10-9.30 Presentation of key issues</b>	<p><b>Claire Nauwelaers</b> (PSF Expert MT, UA, Rapporteur ERAC ES, rapporteur of seminar)</p>
<b>09.30-11.40 Plenary session: Models for policy support</b>	
<b>9.30-10.40 The European Commission's Horizon 2020 Policy Support Facility (PSF)</b>	<ul style="list-style-type: none"> <li>Keynote: <b>Kurt Vandenberghe</b> (Director 'Policy development and coordination', DG Research &amp; Innovation, European Commission) - <i>Lessons learned from PSF: success and impact factors (10')</i></li> <li>Open discussion with panelists moderated by <b>Luc Soete</b> (Chair PSF BG), pre-defined questions shared with panelists and intervention of the audience (60') <ul style="list-style-type: none"> <li>Panelist 1: <b>Hans Chang</b> (Chair PSF UA)</li> <li>Panelist 2: <b>Krzysztof Gulda</b> (Chair, PSF MD)</li> <li>Panelist 3: <b>Luke Georghiou</b> (Chair ERAC ES)</li> <li>Panelist 4: <b>Paulo Andreu</b> (Chair PSF SK, RO)</li> </ul> </li> </ul>
<b>10.40-11.0 Plenary session 2: OECD, World Bank, IBD and Inco-Net approaches</b>	<p>Panel (no slides - 30 minutes in total) - Open discussion with audience (20 minutes) moderated by <b>Ward Ziarko</b> (peer PSF PL and ERAC ES, delegate to OECD)</p> <ul style="list-style-type: none"> <li>Panelist 1: OECD <b>Gernot Hutschenreiter</b></li> <li>Panelist 2: World Bank –<b>Paulo Correa and Xavier Cirera</b></li> <li>Panelist 3: IBD –<b>Juan Carlos Navarro</b></li> <li>Panelist 4: Inco-Nets: <b>Klaus Schuch</b> (rapporteur, PSF UA)</li> <li>Panelist 5: EC Structural Reform Support Service (SRSS): <b>Géraldine Mahieu</b></li> </ul>
<b>11.40-12.00: Coffee break and split into parallel sessions</b>	

<p align="center"><b>12.00-13.00 Breakout sessions 1</b> <b>ERCEA ROOM 00 SDR3; ERCEA ROOM 00 SDR4</b></p>
<p><b>12.00-13.00 Topic 1 - Organising policy support: the role of international organisations and the conceptual framework</b></p> <p>Presentation by expert-moderator <b>Terttu Luukkonen</b> (expert PSF MLEs and BG) (5') debate --rapporteur, <b>Susana Borrás</b> (Expert, PSF LV)</p>
<p><b>12.00-13.00 Topic 2 - Success factors for effective policy support: issues for the host country</b></p> <ul style="list-style-type: none"> <li>• Presentation by expert-moderator <b>Santiago Rodriguez-Uriel</b> (Host ERAC review ES, Expert PSF MT, Peer BG) (5') debate- rapporteur, <b>Kimmo Halme</b> (ERAC reviews)</li> </ul>
<p><i>13.00-14.00: Lunch Break</i></p>
<p align="center"><b>14.00-15.00 Breakout sessions 2</b> <b>ERCEA ROOM 00 SDR3; ERCEA ROOM 00 SDR4</b></p>
<p><b>14.00-15.00 Topic 3: Success factors for effective policy support: role of external contributions</b></p> <p>Presentation by expert-moderator <b>Mart Laatsit</b> (ERAC review EE) (5') debate - rapporteur <b>Erik Arnold</b> (PSF rapporteur LV)</p>
<p><b>14.00-15.00 Topic 4: Follow up and maximizing the impact of policy support activities</b></p> <p>Presentation by expert-moderator <b>Jana Kolar</b> (expert PSF MLEs) (5') debate - rapporteur <b>Alasdair Reid</b> (PSF rapporteur LT)</p>
<p><i>15.00-15.30: Coffee Break</i></p>
<p align="center"><b>15.30-17.00 Plenary session: conclusion and way forward</b></p>
<p><b>15.30-16.00</b> Key statements from breakout sessions (5' each) and debate with the audience (10') moderated by <b>Christian Naczinsky</b> (peer PSF PL)</p>
<p><b>16.00-17.00</b> Conclusions and perspectives for the future moderated by <b>Keith Sequeira</b> (Senior Adviser at the Cabinet of Carlos Moedas, European Commissioner for Research, Science and Innovation)</p> <p>Statements from:</p> <ul style="list-style-type: none"> <li>• Expert 1: <b>Karina Angelieva</b> (Host, PSF BG) (5')</li> <li>• Expert 2: <b>Jennifer Cassingena Harper</b> (Host MT) (5')</li> <li>• Expert 3: <b>Aurelia Hanganu</b> (Host PSF MD) (5')</li> <li>• Expert 4: <b>Mateusz Gaczyński</b> (Host PSF PL) (5')</li> <li>• <b>Román Arjona</b>, Head of Unit responsible for PSF (5')</li> </ul> <p>Contribution from the seminar participants (20') and conclusion by <b>Claire Nauwelaers</b> (PSF Expert MT, UA, Rapporteur ERAC ES), rapporteur of seminar (5')</p>



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**SEMINAR "POLICY SUPPORT TO REFORMS  
OF NATIONAL RESEARCH AND INNOVATION SYSTEMS IN EUROPE"**

Brussels, 11 December 2017

**Objective**

This Seminar aims to provide a platform to exchange experiences between national authorities, high-level experts working with the [Horizon 2020 Policy Support Facility \(PSF\)](#), representatives of European countries that benefitted from PSF support, and international organisations involved in reviews of national research and innovation (R&I) systems. It will examine various methodological approaches with a view to maximising the success and impact of policy support activities. Its results will feed into future European Commission activities in support of R&I policy reforms.

The European Commission's Directorate-General for Research & Innovation wishes to take stock of the knowledge generated so far by the PSF by means of an open dialogue between representatives from all parties involved in policy support. Lessons from the long-standing experience of the OECD or the World Bank in carrying out country-focused analyses covering research and innovation policies will also be presented.

Four broad topics have been identified as the pillars for discussion during the Seminar:

1. **The organization of policy support activities - the role of international organizations and the provision of a conceptual framework.** This will cover: analytical frameworks and operational models used for country peer reviews and systems analysis; exploitation of the evidence base derived from country-specific work; cross-fertilization between the activities of international institutions; synergies and sequencing of country-specific vs. thematic-focussed work.
2. **Success factors for effective policy support: issues for the host country.** It will address: how to best ensure political commitment and ownership; how to secure the broad involvement of stakeholders; the challenge of the definition of the focus areas of the peer reviews; timing, logistics and resources.
3. **Success factors for effective policy support: the role of external contributions.** This part will focus on: the selection and management of experts and peers and other contributors; the most appropriate architecture and organisation of country visits; the transferability of experiences from country to country; the methods to blend quantitative & qualitative inputs; and the tailoring of policy recommendations to the environment and needs of the host country.

4. **The follow up and the maximization of impact from policy support activities.** Finally, the last block will address: methods and success factors for the most effective implementation of recommendations and continuous policy learning practice in recipient countries; diffusion of outcomes outside participating countries; how to best monitor quality and impact of the support; raising appetite vs. absorptive capacity, in relation to policy support exercises.

## Background

The European Commission has acquired in-depth experience in providing support to countries willing to implement operational reforms that improve the quality and impact of national R&I systems. Such expertise builds on the earlier peer reviews of countries' R&I systems that took place under the aegis of the EU advisory committees for scientific and technical research between 2004 and 2014<sup>1</sup>. Such reviews identified challenges faced by national systems and proposed policy pointers, drawing on a blend of peers' and experts' insights. Policy learning workshops were also organised under various formats.

Anchored in these previous exercises, the **Horizon 2020 Policy Support Facility** was launched in 2015 as a response to the Commission Communication '*Research and Innovation as Sources of Renewed Growth*' (COM(2014)339)<sup>2</sup>. With a sharpened and scaled up policy angle, the PSF established a coherent and systematic framework as well as a large pool of expertise to respond quickly and efficiently to requests for national R&I policy reforms by Member States and countries associated to Horizon 2020.

The PSF activities are **challenge-driven**, and by no means limited to studies of internal coherence of R&I systems. They examine the national systems in light of the socio-economic challenges and context faced by the country under review. The PSF is driven by its **customer-oriented spirit and is geared towards policy practice**. Its main audience consists of national policy-makers that design, implement and evaluate policy reforms to improve the quality and impact of R&I investments. The PSF activities are **evidence-based** although they take into consideration the perceptions of the national R&I stakeholders. Robust quantitative and qualitative evidence supports the PSF policy recommendations. Finally, the PSF activities are **tailor-made and flexible**, and adapt to the specific features of each country, including the political cycle.

With almost [twenty-five activities](#) carried out since its launch in 2015, feedback from PSF work perceives it as an influential tool to induce reforms of national research and innovation systems, drawing on tailor-made advice by leading experts and policy practitioners. Feedback also suggests that the PSF *mutual learning exercises* (MLEs) are particularly appreciated for their ability to sustain a learning community of peers while the *country-specific activities* (peer reviews or specific support) prove to act as catalysers of policy change in several countries.

This Seminar offers the unique opportunity to dialogue on how to enhance the effectiveness of country-specific activities and on their future design. The agenda of the Seminar is attached to this background note.

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<sup>1</sup> Former [peer reviews](#) under CREST and the [European Research Area and Innovation Committee](#) (ERAC), between 2004 and 2014.

<sup>2</sup> <https://ec.europa.eu/research/innovation-union/pdf/state-of-the-union/2013/research-and-innovation-as-sourcesof-renewed-growth-com-2014-339-final.pdf>



## 1 SPEAKERS' BIOGRAPHIC NOTES



**Robert-Jan Smits** is Director-General of DG Research and Innovation (RTD) at the European Commission. In this capacity, he is responsible for defining and implementing the EU policy and programmes in the field of research and innovation. Mr Smits was one of the main architects and negotiators of Horizon 2020. He has also been instrumental in the development of several policy initiatives in the field of European science and innovation. Mr Smits is chairing several high-level committees such as European Research Area Committee (ERAC), the Steering Committee of the ERC Executive Agency (ERCEA), the Executive Committee of GEO (Global Initiative on Earth Observations) and joint S&T committees with Europe's key global partners.



**Claire Nauwelaers** is an independent Policy Analyst and Governmental Adviser, specialised in research and innovation policy, working in an international environment. She has 30 years of experience in this field and a wide network of contacts with experts, academics and policy-makers. Her main areas of research and expertise revolve around the analysis and policy advice about the functioning of research and innovation systems, notably at the regional level. She is working on policy development, analysis and evaluation in the areas of Research, Technological Development and Innovation in response to needs from the European Commission, national and regional authorities. She is specialized in systemic analyses of national and regional innovation systems and policies, in cluster policy design and assessment, and is currently one of the leading experts in Europe on Smart Specialisation Strategies.



**Kurt Vandenberghe** is Director for Policy Development and Coordination at the European Commission's DG Research and Innovation since 1st February 2016. Prior to that, he was Director for 'Climate action and resource efficiency' at DG Research and Innovation since July 2013. He also served in the Cabinet of Research Commissioner Philippe Busquin and as Head of the Cabinet of Janez Potocnik, who was Commissioner for Research and Innovation and subsequently for Environment. Kurt joined the European Commission in 1996 as co-ordinator of the Commission's Intermodal Transport Task Force and of the Transport Research Programme. Kurt is co-founder and board member of Journalismfund.eu and the VZW Scriptieprijs.



**Luc Soete** is honorary Professor of International Economic Relations at Maastricht University in The Netherlands. Until September 1<sup>st</sup> 2016, he was Rector Magnificus of Maastricht University. Before taking on the Rectorship in 2012, he was Director of the United Nations University research and training institute: UNU-MERIT located in Maastricht, The Netherlands and Dean of the Maastricht Graduate School of Governance (MGSoG) at Maastricht University. Luc Soete graduated in economics from Ghent University, Belgium. He obtained a DPhil in economics from Sussex University where he worked as senior research fellow at the Science Policy Research Unit in the late 70's and 80's. From 1984 till 1985 he was visiting associate professor at the Department of Economics at Stanford University, USA. In 1986 he joined the new Faculty of Economics and Business Administration (now called the School of Business and Economics) at Maastricht University as professor of International Economics Relations. In 1988 he set up the research institute MERIT (Maastricht Economic Research institute on Innovation and Technology) which merged under his direction in 2005 with UNU-INTECH to become UNU-MERIT. In 2010 he became Director-Dean of the Maastricht Graduate School of Governance of Maastricht University. He is a fellow of the Royal Dutch Academy of Science (KNAW) and a member of the supervisory

board of the Technical University of Delft. He has been chairman of the Research, Innovation and Science Expert (RISE) group for Commissioner Carlos Moedas.



**Hans Chang** acts now as consultant on issues of national science policy, research infrastructures and funding agencies. In the past, he was director for research policy at the Dutch ministry for education & sciences, directed FOM, an umbrella organisation for both national physics laboratories as well as funding agency activities he was director general of the Royal Netherlands Academy of Arts & Sciences. After his retirement from the from the latter, he chaired an international peer review of the Ukrainian research & innovation system and was also involved in the Horizon 2020. In 2017, he chairs the ERIC Working Group KM3NeT and is involved in discussions about the Future of Fusion. Hans was also co-founder and inaugural chairman of ESFRI [ European Forum Research Infrastructures] and former vice-chairman of the OECD Megascience Forum. He was a member/chair of committees of the European Commission, the Global Science Forum [OECD] and several national committees.



**Krzysztof Gulda** entrepreneur, researcher, strategist in public and private sector, international consultant has gained unique, multidisciplinary experience in all sectors of the knowledge triangle. He has been a major player in the field of innovation and research policy in Poland for ten years . In the past, he was Director in the Ministry of Economy and Ministry of Science and Higher Education in Poland, member of the Science Policy Committee - advisory body to the Minister of Science and Higher Education in Poland and, vice chair of the European Research Area and Innovation Committee (ERAC). At present, he is a Council Member of the National Centre for Research and Development, member of the pool of the high-level experts supporting the Horizon 2020 Policy Support Facility and member of the DG Regio senior expert group to support Cohesion Policy, regional and urban development. Expert in development of national and regional innovation strategies with strong focus on horizontal relations between innovation and other policies including research, entrepreneurship, human development, intellectual property and sustainable industrial policy. Specific areas of expertise cover academic entrepreneurship (start-up development, seed and vc capital, incubators), building business – academia relationship, innovations systems (from national, regional to networks and clusters) and foresight.



**Luke Georghiou** is the University's Deputy President and Deputy Vice-Chancellor, providing strategic leadership and operational management across the full-range of University functions. From 2010 to 2017 Luke was responsible for the University's research strategy and its implementation and doctoral training. He is active in research and policy advice to governments and business with current work on innovation management, public procurement and innovation and evaluation of the national demonstrator project for Internet of Things (CityVerve). Luke is a member of RISE, the European Commissioner for Research and Innovation's high-level policy advisory. He has chaired and been a member of several high-level inquiries and advisory bodies, and is currently a member of the Board of Directors of Manchester Science Partnerships, the UK's largest science park company. Since 2016 he has chaired the Steering Committee of the European Universities Association Council for Doctoral Education.



**Paulo Andrez** is a founder member of Entrepreneurship Agency DNA Cascais, which supported more than 300 startups in the last decade, and a founder member of FNABA, the Portuguese Business Angel Federation. Paulo was appointed President Emeritus EBAN, European Business Angel Network, after serving as President until 2014. Since 2012, Paulo has been working with a number of European governments in the field of Early Stage Investment policies and Business Angels Co-Investment Funds design. He was the co-author of the Early Stage Investors Manifesto. Paulo was invited in 2016 by European Commission to chair the Mission of experts to help the Slovak and



Romanian governments to design several entrepreneurship policies, including universities spin offs, incubators, accelerators, business angels and venture capital policies.



**Ward Ziarko** works at the Belgian Science Policy Office (Belspo), he is the director of the department dealing with policy monitoring and STI indicators. He started his career at Belspo managing research programs in the fields of social sciences, societal aspects related to the introduction of new technologies and sustainable development before moving to his actual position. He is a member of OECD working parties (NESTI on STI-indicators and CSTP on science and technology policy). He participated in several EU working parties (ERAC, the ad-hoc working group on the European Semester and ERA Monitoring, etc.). He had also been a member of the Eurostat working party on STI indicators. He participated in several STI policy peer reviews (South-Africa with the OECD; Spain and Poland within the EU). In Belgium he is also a member of several coordination bodies with the other Belgian authorities.



**Gernot Hutschenreiter** is Head of Country Innovation Policy Reviews at the Directorate for Science, Technology and Innovation of the Organisation for Economic Co-operation and Development (OECD). He has led and contributed to about thirty OECD Reviews of Innovation Policy covering a wide range of countries – world leaders in innovation as well as major emerging economies, including the first review of this kind carried out for China, reviews of South Africa, the Russian Federation and a number of countries in Asia and Latin America. He has been in charge of the first OECD Review of Innovation in Southeast Asia (with links to the SEA-EU-NET project), and led the OECD part in the joint OECD-World Bank Review of Science, Technology and Innovation in Viet Nam. Recently, he has been leading reviews of a series of highly advanced European economies including the Netherlands, Luxembourg, Sweden, Finland, Norway and currently Austria. Before joining the OECD as a Senior Economist in 2003, Gernot Hutschenreiter was a Deputy Director of the Austrian Institute of Economic Research (WIFO) based in Vienna. At the international level he has worked, among others, as a consultant for the European Commission and UNIDO and as a guest research scholar at eminent research institutions, including the International Institute for Applied Systems Analysis (IIASA) and the Tokyo Institute of Technology.



**Paulo Correa** is a lead economist in the Financial and Private Sector Department of the Europe and Central Asia Region of the World Bank working in the areas of investment climate assessments; innovation and competition policies; and private participation in infrastructure. Prior to joining, he served for four years as Deputy-Secretary of State in the Ministry of Finance in Brazil (1999-2002). Paulo holds a MSc. in Economics from the University of Western Ontario (1996); a Msc. in Industrial Economics from the Federal University of Rio de Janeiro (1993) and has published a number of articles in peer-reviewed journals including, most recently, in the World Bank Economic Review (2010).



**Xavier Cirera** is a Senior Economist in the Trade and Competitiveness Global Practice at the World Bank. He has more than 15 years' experience working in different microeconomic areas of development, including innovation and entrepreneurship policies, productivity, firm level dynamics and trade policy. He holds a PhD in Economics from the University of Sussex and was a Research Fellow at the Institute of Development Studies at the University of Sussex. His most recent research work focuses on the measurement of firm-level innovation, the determinants and impacts of innovation and the relationship between misallocation, productivity and firm-growth. His most recent policy work centers around the evaluation of innovation and entrepreneurship policies, leading the development of the public Expenditure Reviews in Science, Technology and Innovation implemented in Colombia, Chile and the Ukraine. He is the co-author of the World Bank report "The Innovation Paradox: Developing-Country Capabilities and the Unrealized Promise of Technological

Catch-Up” and the forthcoming handbook “Instruments to Support Business Innovation. A Guide for Policymakers and Practitioners”.



**Juan Carlos Navarro** is the Science and Technology Principal Technical Leader in the Competitiveness, Technology and Innovation Division of the Inter-American Development Bank. He has contributed to the development of technical assistance activities and to the design and implementation of investment programs in the fields of innovation, science, technology, and education in 20 countries in Latin America and the Caribbean, and has played a leading role in shaping the IDB's overall strategy in those fields. He has conducted research and published on topics such as technology and innovation policy, public-private partnerships in innovation and education, technology applications to education, human capital development in technical and scientific fields, financing, management, and quality assurance for higher education, and the political economy of education reforms. Most recently, he edited and co-authored a book on recent trends of innovation policy in Latin America and the Caribbean, co-authored the chapter on innovation and productivity in Latin America for the IDB's volume on productivity in the region, and led a team responsible for publishing a compendium of science, technology, and innovation indicators. Navarro holds a Master's degree in Public Policy from Georgetown University and completed doctoral studies in political science at the Central University of Venezuela. He has served as adviser to several international organizations and has been invited to teach at a number of Latin American and US universities.



**Klaus Schuch**, is expert on techno-globalisation, research and innovation policies, and evaluation in science and research. At present, he is director and senior scientist at ZSI (Centre for Social Innovation), Austria and is also managing director of the Austrian Platform for Research and Technology Policy Evaluation. Klaus has been engaged in a large number of national and international projects. From 2009 to 2012 he analysed the Austrian RTI policy and its implementation under ERAWATCH and since 2015 he is national correspondent for RIO. In 2007, he was scientific expert of the CREST Working Group on internationalisation in science and technology and in 2012 member of the external expert group of the European Commission to advice on the new European RTI-internationalisation strategy. In 2016/2017 he was delegated to the ERAC Working Group on Impact Measurement. He is also Austrian delegate to the European RTD Evaluation Network and member of the COST Scientific Committee. Klaus is also member of the Commission for Development Research of the Austrian Agency for International Cooperation in Education and Research (former Commission of the Austrian Academy of Sciences) and advisor to several Austrian agencies and ministries dealing with research, innovation and technology.



**Géraldine Mahieu** is head of Unit in the Structural Reform Support Service (SRSS), a new service of the European Commission created in July 2015 and which provides technical support to EU Member States for the preparation and implementation of growth-enhancing administrative and structural reforms, in particular in the context of the economic governance process. She is heading the unit dealing with technical support in the areas of labour market, health care, education and other social issues. Before joining the SRSS, she was the European Commission's deputy mission chief on the Cypriot adjustment program. She also previously held the position of Senior Economist in the International Monetary Fund and holds a PhD in Economics from the Catholic University of Louvain.



**Terttu Luukkonen** is Head of Unit at the Research Institute of the Finnish Economy. She has previously held positions with the Technical Research Centre of Finland and the Academy of Finland (1974-1995). Her expertise covers a wide range of questions in research and innovation policy in Europe. She was responsible for consulting and assessing science and innovation policies for national governments (Finland, Ireland, Estonia, Austria) and was on expert boards in France and Sweden. Dr. Luukkonen has pursued research on and

evaluated public support to research and innovation activities. She is currently carrying out research in two FP7-funded projects, one on financing entrepreneurial ventures in Europe and the other on the role of the European Research Council in the European Research Area and the changing European research funding landscape.



**Susana Borrás** is professor on innovation and governance. As a social scientist expert on public policy, two of her leading questions are, what governments can do to foster and to improve socio-technical innovation in the economy, and what makes some decisions regarding socio-technical and innovation change to be democratically legitimate and others not. Her main attention is in the European Union, both at the supra-national level as well as national and regional levels. She advises regularly

innovation policy-makers, is member of the editorial board of 5 scientific journals, and has non-executive leadership responsibilities seating in several boards.



**Santiago Rodríguez-Uriel** is Counsellor for Research and Innovation in the Permanent Representation of Spain to the European Union, since January 2015. Prior to that, he was Head of Cabinet of the State Secretary for Research, Development and Innovation, in the Spanish Ministry of Economy and Competitiveness, since January 2012. He has also been a cabinet member in the Secretary of State for Research, the Secretariat-General for Scientific and

Technological Policy, and the Under-secretariats of Industry, Tourism and Trade and of Science and Technology. He joined the Spanish Administration in 1993, serving for six years in the Secretary of State for the European Union.



**Kimmo Halme** (Lic Tech) is Managing Director of a Finnish consulting company Forefront Ltd. Kimmo has more than 25 years of experience in the design, development and evaluation of research and innovation policy -related activities, having worked in innovation research, as an STI advisor for the Finnish government, as a permanent expert for the EU Commission, and for the past 15 years as a private consultant.



**Mart Laatsit** is a Visiting Fellow at MIT Sloan School of Management and a doctoral researcher and lecturer at Copenhagen Business School. Mr Laatsit served previously as the Head of Innovation Policy of Estonia and was Estonia's ERAC representative, *inter alia* the Chair of ERAC Task-Force on Innovation Procurement. His current research focuses on evaluations of innovation systems and policy learning networks. He holds a master's degree in European Studies from the College of Europe in Bruges.



**Erik Arnold** is Chairman of the Technopolis Group and Adjunct Professor in Research Policy at the Royal Institute of Technology (KTH), Stockholm. He holds a PhD in science policy from Sussex University. He has worked in research and innovation policy and evaluation since 1980. He was at SPRU 1980-85; Booz.Allen & Hamilton 1986-91; and Technopolis Group since then. Erik Arnold's work spans over 30 countries as well as the European Commission and international organisations including the OECD, World Bank, Nordic Council of Ministers, ESF and COST. He is expert in the design, management and implementation of large-scale

evaluations of innovation and research funders, programmes and policies.



**Jana Kolar** is Executive Director of CERIC-ERIC, a research infrastructure dedicated to characterisation and modification of materials. She has a broad range of expertise in the field of research and innovation policy design and implementation. Among others, she had been Director General of Science in Technology at the Ministry in Slovenia, chairman of the Board of Slovenian Technology Agency and a member of the Board of Slovenian Research Agency. She is currently a member of the Governing Board of European Institute of Technology and Innovation (EIT), a member of the ERA Council Forum Austria - a high-level expert body advising the

Austrian Minister responsible for Science and Research, and a member of the High-Level Group of Innovators for a European Innovation Council, that advises the Commission on how to strengthen support for breakthrough, market-creating innovation.



**Alasdair Reid** has over 20 year's experience of advising governments in developing, implementing and evaluating innovation based regional, inter-regional, national and European development programmes and strategies. He has worked on public policy research in the fields of regional economic development and innovation systems. He has advised the European Commission, the OECD, the World Bank, the Nordic Council of Ministers, national and regional governments and agencies throughout the European Union and in third countries. Most recently, he was rapporteur for the European Commission's

(DG Research & Innovation) Policy Support Facility Specific Support project for Lithuania on the topics of business-science co-operation and innovative foreign investment (2017). He is currently working on developing an Innovation Strategy for Armenia. Alasdair has been actively involved in analysing regional innovation systems since the mid-1990s from the first round of regional technology plans, regional innovation strategies and most recently as an advisor for smart specialisation strategies for the 2014-20 European Structural and Investment Fund period. In addition, in the last five years, Alasdair's has evaluated and advised a wide amount of innovation agencies.



**Christian Naczinsky** holds a Masters and doctoral's degree in Political Science from de University of Viena and a Masters' degree in Business Administration from the University of Salazburg. He is currently Member of the Austrian delegation to CSTP (OECD), Chair of the Austrian ERA Reporting Board, Chair of the Austrian ERA Roundtable of Members to the ERA-related Groups, Chair of the Austrian Roundtable for Delegates to HORIZON 2020, Chair of the Steering Boards of the Austrian Research Promotion Agency (FFG) for European and International Programmes as well as EU-Performance Monitoring, Secretary of the ERA Council Forum Austria and Co-Chair of the

Austrian Working Group on the OECD Review of Austria's STI Eco-system.





**Keith Sequeira** is a senior advisor on science and innovation policy in the Cabinet of Carlos Moedas, European Commissioner for Research and Innovation. He was previously in the Cabinet of the Commissioner Máire Geoghegan-Quinn and has worked in the European Commission on monitoring national policies, Horizon 2020, the 7th Framework Programme, the Innovation Union flagship initiative, innovation indicators and public procurement of innovation. He worked previously in the UK government (bioscience, trade, finance and international S&T policy) and a private company (advising on public private partnerships and public sector spin outs). Keith studied physics at Cambridge University and has a doctoral degree in innovation studies from the Science Policy Research Unit (SPRU) at the Sussex University.



**Karina Angelieva** is the head of sectors "Education and Training" and "Research and Innovation" at the Bulgarian Permanent Representation to the EU. During the Bulgarian Presidency in the first half of 2018 she will chair the Council's Research Working Party and leading the discussion on the future of EU Research and Innovation agenda. Karina has a long-term experience in international and EU research programme initiatives, including 6th and 7th Framework Programme as she was directly responsible for the coordination of the national contact points network at the Science Directorate of the Ministry of Education and Science and also directly involved as National contact point for INCO and JRC.



**Jennifer Cassingena Harper** has been engaged with the Malta Council for Science and Technology since 1989 in various capacities and is currently part-time consultant. Until 2011, she was the Director of Policy, Strategy, FP7 and International with core responsibility for the National Research and Innovation Strategy and Foresight and links with the European Union. In 2009-11, she coordinated the EU funded FP project ERA-PRISM - Policies for Research and Innovation in Small Member States to advance the European Research Area. She participated in the PSF Country Peer review of Cyprus and is responsible for the country peer review of Malta. Dr Harper is active at European and international

level in the area of research and innovation policy including evaluation and strategic foresight, and in H2020 in the role of expert/advisor, reviewer and observer. She has been a member of a number of EU DG Research High Level Expert Groups as rapporteur and chair. Most recently in 2015-6, she was a member of the EU DG Research Expert Group on Strategic Foresight for R&I Policy in Horizon 2020 (SFRI). She is a graduate of Keele University, the London School of Economics and the University of Malta. Her doctoral research focused on the internationalization of S&T Policy.



**Aurelia Hanganu** is a Scientific Secretary General at the Academy of Sciences of Moldova, country responsible for science policies elaboration, Moldova's ERAC representative. Former head of the Central Scientific Library, former deputy director at the Institute of Linguistics. Doctor habilitatus in Romance and Latin Philology.



**Mateusz Gaczynski** is Deputy Director for Science and Higher Education Ministry for Science and Higher Education of Poland. Within the department of Innovation and Development, he is responsible for the implementation of innovation, development and higher education policies, the implementation of the Erasmus + program and the Horizon 2020 Framework Program, digitization of science and higher education, European Higher Education Area and European Space research.



**Román Arjona** is now Chief Economist at the Directorate-General for Research and Innovation of the European Commission. Born in 1970, Román Arjona studied Economics at the University of Valencia, where he graduated with a special distinction. He holds a Masters' degree in European Economic Studies from the College of Europe in Bruges and a PhD in Economics from the European University Institute in Florence. He worked for the European Investment Bank and the International Monetary Fund, and for the OECD as Economist. He was Adviser to the Spanish Deputy Minister and the Spanish Minister for Science and Technology before joining the Directorate-General for Research of the European Commission.

In January 2012 he was appointed to the Spanish Government as Secretary-General for Science, Technology and Innovation.



#### 4 DIRECTIONS

The seminar will be held at ERCEA ROOM COV2 00/SDR2 AUDITORIUM (70P), Place Rogier 16, 1210 - Saint-Josse-Ten-Noode.



Please find below a detailed map showing how to reach the venue:

- Page 1, listed on the left: all the convenient metro lines
- Page 2: detailed list of trains and other means of transports from Brussels International airport (Zaventem) and Brussels main train stations.

COMMISSION EUROPEENNE  
EUROPEAN COMMISSION  
EUROPÄISCHE KOMMISSION  
EUROPESE COMMISSIE



**Rogier** GO KIOSK BOOMK  
M 2 6 T 3 4 25 55  
B 61

27 lignes de bus  
27 buslines

**Botanique / Kruidtuin** GO  
M 2 6 T 92 93  
B 61

270 271 272 358

**Gare du Nord / Noordstation** GO KIOSK  
T 3 4 25 55  
B 14 57 61

27 lignes de bus  
27 buslines

**Bruxelles-Nord  
Brussel-Noord**

Voir détails sur la fiche d'accessibilité  
For further details see overleaf

### Légende - Key

Itinéraire cyclable  
Cycle route

Parking vélos  
Cycle park

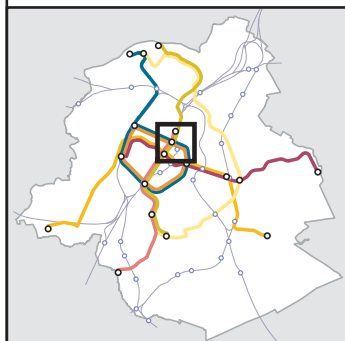
Parking auto  
Car park

Taxis

Cambio - Voiture Partagée  
Cambio - Carsharing

Villo!

Points de vente  
Sales points

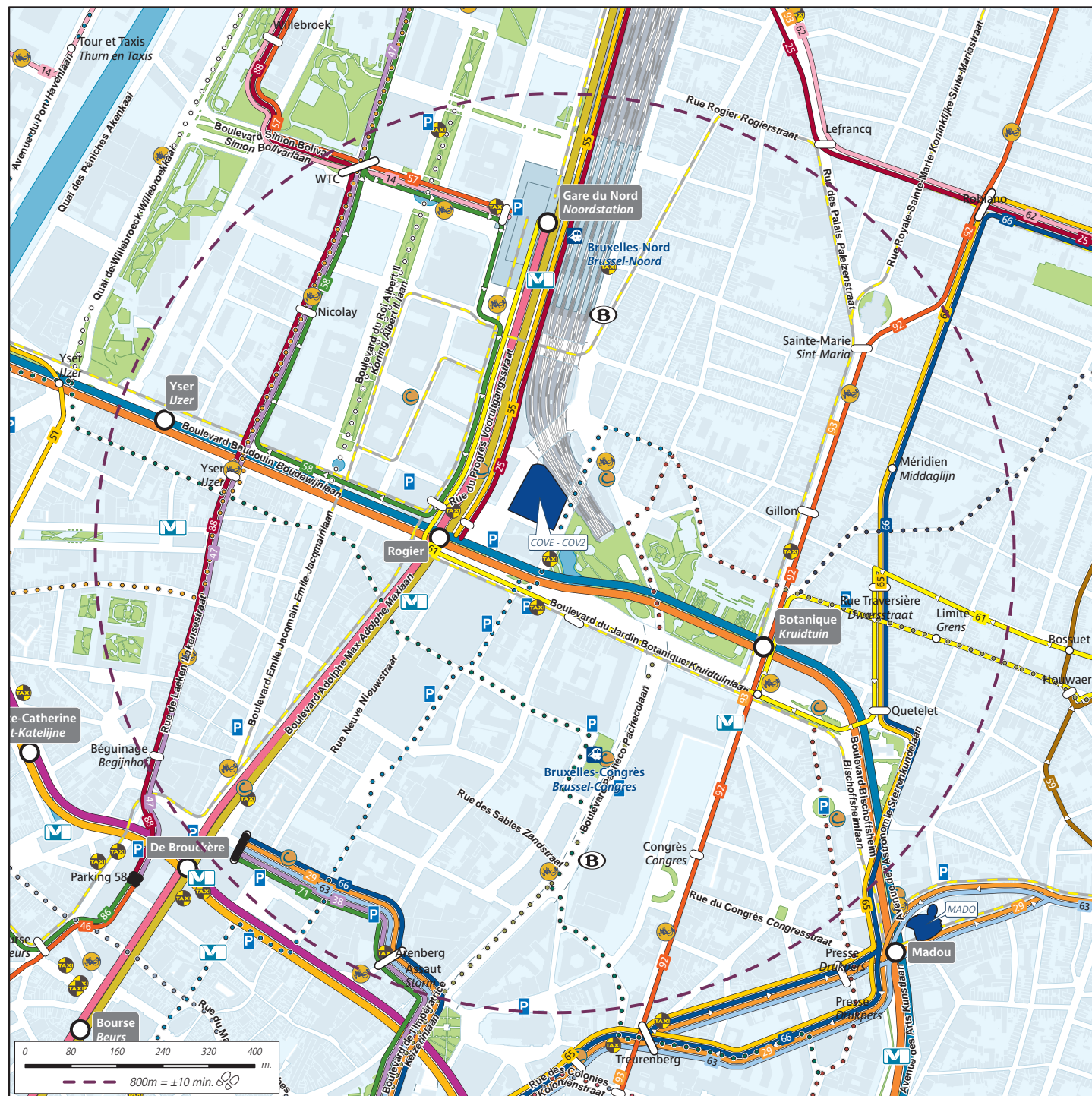


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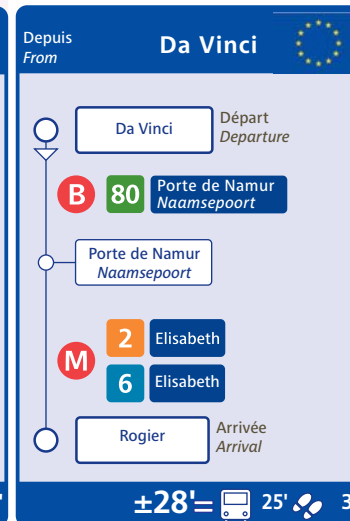
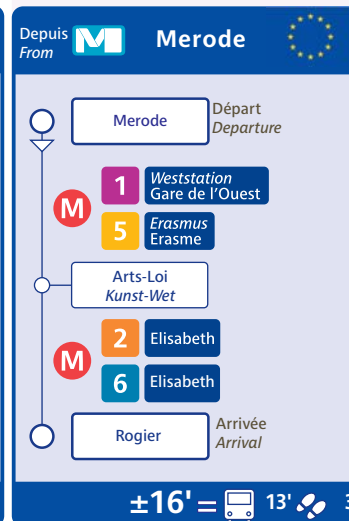
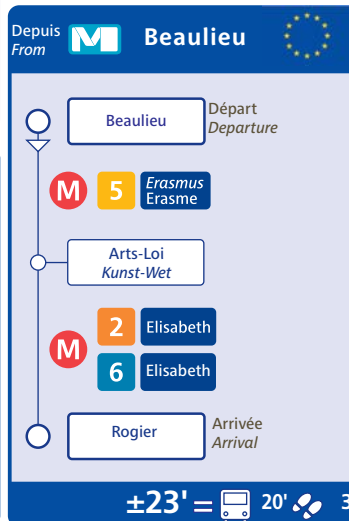
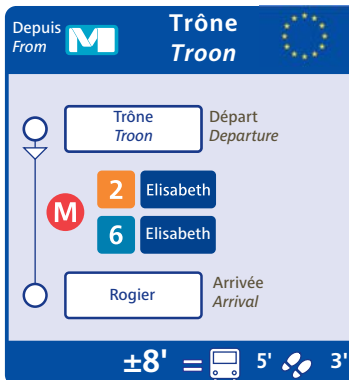
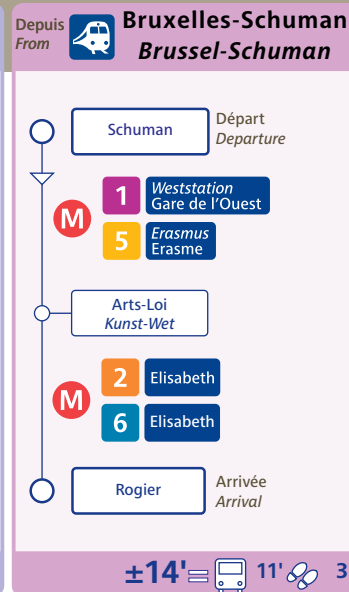
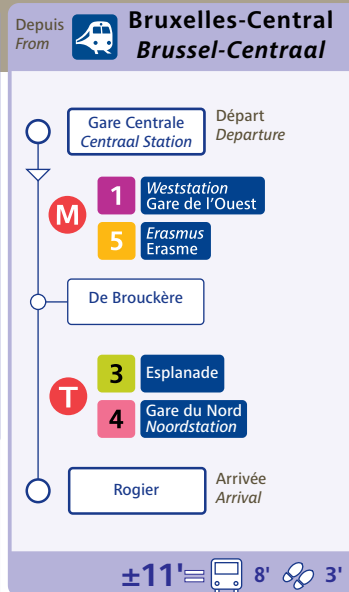
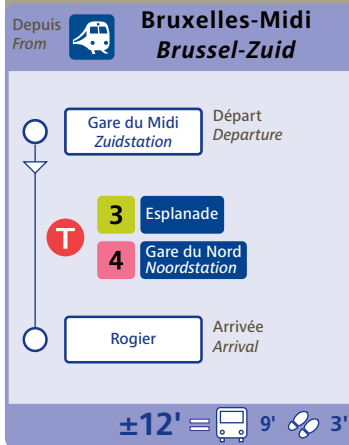
# Fiche d'accessibilité How to get to

COMMISSION EUROPÉENNE  
EUROPEAN COMMISSION

EUROPÄISCHE KOMMISSION  
EUROPESE COMMISSIE



Jonction ferroviaire Nord-Midi / North-South railway connection



## Fréquences / Frequencies

Lignes / Lines		PM	C	PS
Rogier		GO	KICK	C
M 2	Simonis - Elisabeth	6	7'30	6
T 3	Esplanade - Churchill	6	7'30	6
T 4	Stalle - Gare du Nord Stalle - Noordstation	6	7'30	6
M 6	Simonis - Roi Baudouin Simonis - Koning Boudewijn	6	7'30	6
T 25	Rogier - Boondael Gare Rogier - Boondael Station	6	10	6
T 55	Da Vinci - Rogier	5	8	5
B 61	Gare du Nord - Montgomery Noordstation - Montgomery	10	15	10
Gare du Nord / Noordstation		GO	KICK	B
B 14	UZ Brussel - Gare du Nord UZ Brussel - Noordstation	6	7'30	6
B 57	Hôpital Militaire - Gare du Nord Militair Hospitaal - Noordstation	8	-	10
Correspondances Connections		T 3	4	55 B 61

PM = Heure de pointe du Matin / Morning peak

C = Heure creuse / Off-peak

PS = Heure de pointe du soir / Evening peak

Attente maximum / Maximum waiting time

## Alternatives / Alternatives

### Parking :

gratuit : CERIA/COOVI, Kraainem, Delta, Herrmann-Debroux, Roodebeek, Stalle  
payant : Arts-Loi/Kunst-Wet, Erasme, Montgomery

### Parking vélo :

Gare Centrale, Mèrode

### En Taxi :

Possibilité de prendre un taxi à la gare Centrale, aux stations de métro Schuman et Mèrode et à l'aéroport de Bruxelles National (BIAC).

### Parking :

free : CERIA/COOVI, Kraainem, Delta, Herrmann-Debroux, Roodebeek, Stalle  
paying car park : Arts-Loi/Kunst-Wet, Erasme, Erasmus, Montgomery

### Cycle parking :

Gare Centrale/Centraal Station, Merode

### By Taxi :

Gare Centrale/Centraal Station, metrostations Schuman and Merode and at Brussels Airport (BIAC).



070 23 2000  
www.stib.be  
www.mivb.be



02 528 28 28  
www.sncb.be  
www.nmbs.be



010 23 53 53  
www.infotec.be



070 220 200  
www.delijn.be



02 227 93 02  
www.cambio.be



www.bruxellesmobilite.irisnet.be  
www.mobilbrussel.irisnet.be

Cette fiche a été réalisée en septembre 2014.

Les fréquences présentées sont susceptibles de subir des modifications au cours du temps.

Last update : september 2014.

The times and frequencies shown are subject to change

## 5 SUGGESTED HOTELS

Please find below a list of suggested hotels in the area of the seminar venue.

It is suggested to check the availability and rates at your earliest convenience, in order to ensure your booking.

NAME OF HOTEL
<a href="#">Motel One</a>
<a href="#">Hotel Bloom</a>
<a href="#">Aloft Brussels Shuman</a>
<a href="#">Jam Hotel</a>
<a href="#">Leopold Hotel Brussels EU</a>
<a href="#">Thon Hotel Brussels City Center</a>
<a href="#">Progress Hotel</a>
<a href="#">Hotel Siru</a>

