



**The 2<sup>nd</sup> International Network  
for Government Science Advice Conference:  
*Science and Policy Making: towards a new dialogue***

**Brussels, 29-30 September 2016**

***Conference Programme***

*Research and  
Innovation*

## Conference Programme

Charlemagne building, Rue de la Loi 170, B-1040 Brussels, Belgium

### **DAY ONE – Thursday 29<sup>th</sup> September**

08:15-09:00	<b>Registration and coffee</b>
09:00-09:40	<p><b>Opening session</b></p> <p>Welcome</p> <p><b>Robert-Jan SMITS</b> <i>Director-General for Research and Innovation, European Commission</i></p> <p>Opening address</p> <p><b>Carlos MOEDAS</b> <i>European Commissioner for Research, Science and Innovation</i></p> <p>Opening address</p> <p><b>Tibor NAVRACSICS</b> <i>European Commissioner for Education, Culture, Youth and Sport</i></p> <p>Opening address (<i>video message</i>)</p> <p><b>Mairead McGUINNESS</b> <i>Vice-President of the European Parliament</i></p> <p>Setting the scene</p> <p><b>Sir Peter GLUCKMAN</b> <i>Chair of the International Network for Government Science Advice (INGSA), Chief Science Advisor to the Prime Minister of New Zealand</i></p>
09:40-10:50	<p><b>Plenary session I: Deepening the dialogue</b></p> <p>The interaction of science and policy making in a changing world: How can policy better utilise the resources of science in the digital age? What do scientists and policy makers need to do differently to ensure a more effective use of scientific evidence in policy? What do scientists need to know about the world of policy makers and vice versa?</p> <p><b><u>CHAIR:</u></b></p> <p><b>Ms Danuta JAZŁOWIECKA</b> <i>Member of the European Parliament, Member of the Science and Technology Options Assessment (STOA) Panel</i></p> <p><b><u>SPEAKERS:</u></b></p> <p><b>HRH Princess Sumaya bint El HASSAN</b></p>

	<p><i>President of the Royal Scientific Society of Jordan, Chair of the World Science Forum 2017</i></p> <p><b>Flavia SCHLEGEL</b> <i>UNESCO Assistant Director-General for the Natural Sciences</i></p> <p><b>Yuko HARAYAMA</b> <i>Executive Member of the Council for Science and Technology Policy, Cabinet Office of Japan</i></p> <p><b>Bernhard URL</b> <i>Executive Director of the European Food Safety Authority (EFSA)</i></p> <p><b>Clare MATTERSON</b> <i>Director of Strategy, Wellcome Trust</i></p>
10:50-11:20	Coffee break
11:20-12:30	<p><b>Plenary session II: Solution-oriented scientific advice</b></p> <p>How to provide policy makers with interdisciplinary, solution-oriented advice in practice:</p> <ul style="list-style-type: none"><li>• Integrating natural, social and behavioural sciences into policy advice</li><li>• The interaction between science and decision making</li><li>• Applying science in times of social transformation</li><li>• Opportunities and challenges for science advice in the age of big data</li><li>• Social license for science advice: How to build institutional legitimacy</li></ul> <p><b><u>CHAIR:</u></b></p> <p><b>Rolf-Dieter HEUER</b> <i>Former Director-General of CERN, Member of the European Commission's High-Level Group of Scientific Advisors</i></p> <p><b><u>SPEAKERS:</u></b></p> <p><b>Daniel SAREWITZ</b> <i>Director of the Consortium for Science, Policy and Outcomes, Arizona State University</i></p> <p><b>Maive RUTE</b> <i>Deputy Director-General of the Joint Research Centre (JRC), European Commission</i></p> <p><b>Pearl DYKSTRA</b> <i>Erasmus University of Rotterdam, Member of the European Commission's High-Level Group of Scientific Advisors</i></p> <p><b>Jacques LUKASIK</b></p>

	<p><i>Secretary-General of the European Council of Academies of Applied Sciences, Technologies and Engineering (Euro-CASE)</i></p> <p><b>Dame Helen WALLACE</b>  <i>Member of Academia Europaea and Fellow of the British Academy</i></p>		
12:30-13:30	Lunch		
13:30-14:45	<p><b>Parallel session I: Responding to global policy challenges</b></p> <p>There are an increasing number of global issues that require science advice. Can science advice help to address global issues requiring action at international level? What are the considerations for providing science advice in these contexts? What are the examples from which we can learn what works and what does not work in informing policy-making through science advice at the global level?</p>		
	Parallel 1.1	Parallel 1.2	Parallel 1.3
	<p><b>Climate change: Science, policy &amp; the road beyond Paris</b></p> <p><b><u>CHAIR:</u></b></p> <p><b>Jos DELBEKE</b>  <i>Director-General for Climate Action, European Commission</i></p> <p><b><u>SPEAKERS:</u></b></p> <p><b>Gordon McBEAN</b>  <i>President of the International Council for Science (ICSU)</i></p> <p><b>Alan FINKEL</b>  <i>Australia's Chief Scientist</i></p> <p><b>Martin PORTER</b>  <i>Executive Director Industrial Innovation and EU Affairs, European Climate Foundation (ECF)</i></p>	<p><b>Migration: Evidence-informed responses to humanitarian crises</b></p> <p><b><u>CHAIR:</u></b></p> <p><b>Marta CYGAN</b>  <i>Director of Strategy and General Affairs, Directorate-General for Migration and Home Affairs, European Commission</i></p> <p><b><u>SPEAKERS:</u></b></p> <p><b>Alessandra ZAMPIERI</b>  <i>Head of Demography, Migration and Governance Unit, Joint Research Centre of the European Commission</i></p> <p><b>Patrice QUESADA</b>  <i>Senior Emergency and Post Crisis Specialist, International Organization for Migration (IOM)</i></p> <p><b>Aurélie PONTHEU</b>  <i>Humanitarian</i></p>	<p><b>Health: Science advice in short- and long-term challenges – from epidemics to chronic diseases</b></p> <p><b><u>CHAIR:</u></b></p> <p><b>Xavier PRATS MONNÉ</b>  <i>Director-General for Health and Food Safety, European Commission</i></p> <p><b><u>SPEAKERS:</u></b></p> <p><b>Roberto BERTOLLINI</b>  <i>Former WHO Chief Scientist and WHO Representative to the European Union</i></p> <p><b>Rémi QUIRION</b>  <i>Chief Scientist of Québec</i></p> <p><b>Helen MUNN</b>  <i>Executive Director, Academy of Medical Sciences (UK), Member of the Federation of European Academies of Medicine (FEAM)</i></p>

	<p><i>Specialist on Displacement, Médecins Sans Frontières</i></p> <p><b><u>RAPPORTEUR:</u></b></p> <p><b>Tina SWIERCZYNSKI</b> Executive Secretary of the European Climate Research Alliance (ECRA)</p>	<p><b><u>RAPPORTEUR:</u></b></p> <p><b>Jennifer Cassingena HARPER</b> Consultant, Malta Council for Science and Technology</p>	<p><b><u>RAPPORTEUR:</u></b></p> <p><b>Tolu ONI</b> University of Cape Town, Co-Chair of the South African Young Academy of Science</p>
14:45-15:15	Coffee break		
15:15-16:30	<p><b>Parallel session II: Brokers and boundary-crossers: Developing the practice of science advice</b></p> <p>The practice of science advice to public policy requires a new set of skills that are neither strictly scientific nor policy-oriented, but a hybrid of both. Negotiating the interface between science and policy requires translational and navigational skills that are often not acquired through formal training and education and which may differ in different parts of the world. In addition, new techniques are being developed, e.g. in foresight and horizon scanning, which may increase the impact of science on policy. What are the considerations in developing these unique capacities, both in general and for particular contexts?</p>		
	Parallel 2.1	Parallel 2.2	Parallel 2.3
	<p><b><i>What is required to build capacity for science advice in developing countries?</i></b></p> <p><b><u>CHAIR:</u></b></p> <p><b>Khotso MOKHELE</b> Special Advisor to the South African Minister of Science and Technology</p> <p><b><u>SPEAKERS:</u></b></p> <p><b>Juan MAYR MALDONADO</b> Former Environment Minister of Colombia and Chair of the UN Conference on Biosafety</p>	<p><b><i>What skills do experts and policy-makers need for better dialogue?</i></b></p> <p><b><u>CHAIR:</u></b></p> <p><b>Ann METTLER</b> Head of the European Political Strategy Centre (EPSC), European Commission</p> <p><b><u>SPEAKERS:</u></b></p> <p><b>Julie MAXTON</b> Executive Director of the Royal Society</p> <p><b>Mady DELVAUX-STEHRES</b> Member of the European Parliament,</p>	<p><b><i>How can foresight and horizon scanning better inform policy agendas?</i></b></p> <p><b><u>CHAIR:</u></b></p> <p><b>Claire CRAIG</b> Director of Science Policy, Royal Society</p> <p><b><u>SPEAKERS:</u></b></p> <p><b>Melanie PETERS</b> Director of the Rathenau Institute</p> <p><b>Tateo ARIMOTO</b> Director of the Innovation, Science and Technology Policy</p>

	<p><b>Connie NSHEMEREIRWE</b> Uganda Martyrs University, Member of the Global Young Academy</p> <p><b>Carlos ABELEDO</b> Director of the Graduate Program in Science and Technology, University of Buenos Aires</p> <p><b><u>RAPPORTEUR:</u></b></p> <p><b>Sameh SOROR</b> Helwan University, Co-Chair of the Global Young Academy</p>	<p>Member of the Science and Technology Options Assessment (STOA) Panel, former Minister for Education of Luxembourg</p> <p><b>Arturo MENCHACA ROCHA</b> General Coordinator of the Science Advisory Council of the Presidency of Mexico</p> <p><b><u>RAPPORTEUR:</u></b></p> <p><b>David MAIR</b> Head of Geographic Coordination Unit, Joint Research Centre of the European Commission</p>	<p>Program, National Graduate Institute for Policy Studies (GRIPS)</p> <p><b>Fabiana SCAPOLO</b> Deputy Head of Foresight, Behavioural Insights &amp; Design for Policy Unit, Joint Research Centre of the European Commission</p> <p><b><u>RAPPORTEUR:</u></b></p> <p><b>Marguerite GRANDJEAN</b> Director of Studies, OuiShare</p>
16:30-16:45	Break		
16:45-17:30	<p><b>Plenary session III: Scientific advice for transnational structures</b></p> <p>Policy makers throughout the world are increasingly facing the need to address issues that cannot be tackled at national level, but need transnational approaches. Thus policies are increasingly being developed directly at the level of supranational organizations such as the EU or the UN, whose policy making processes need to build up their own advisory mechanisms. Providing advice to supranational entities necessitates the development of tailor-made structures adapted to their specific needs, based on principles, which are common to the variety of existing structures in different countries. This session will present two examples of such science advice structures for supranational organisations: the new Scientific Advice Mechanism of the European Commission and the Science Advisory Board to the UN Secretary-General.</p> <p><b><u>CHAIR:</u></b></p> <p><b>Marcia McNUTT</b> President of the National Academy of Sciences, USA</p> <p><b><u>SPEAKERS:</u></b></p> <p>The European Commission's Scientific Advice Mechanism</p> <p><b>Henrik C. WEGENER</b> Executive Vice-President of the Technical University of Denmark, Chair of the European Commission's High-Level Group of Scientific Advisors</p>		

	<p>The Role of the Academies in the Scientific Advice Mechanism and beyond</p> <p><b>Jos van der MEER</b> <i>President of the European Academies Science Advisory Council (EASAC)</i></p> <p>The UN Secretary General's Science Advisory Board</p> <p><b>ZAKRI Abdul Hamid</b> <i>Science Advisor to the Prime Minister of Malaysia and Chair of the Intergovernmental Platform on Biodiversity and Ecosystem Services (IPBES)</i></p>
17:30-18:30	<p><b>Plenary session IV: Taking stock</b></p> <p><b><u>CHAIR:</u></b></p> <p><b>Mark FERGUSON</b> <i>Chief Scientific Adviser to the Government of Ireland and Director General of Science Foundation Ireland</i></p> <p><b><u>SPEAKERS:</u></b></p> <p><b>Rapporteurs of the parallel sessions I and II:</b></p> <p><b>1.1 Tina SWIERCZYNSKI</b> <b>1.2 Jennifer Cassingena HARPER</b> <b>1.3 Tolu ONI</b></p> <p><b>2.1 Sameh SOROR</b> <b>2.2 David MAIR</b> <b>2.3 Marguerite GRANDJEAN</b></p>
18:30-18:45	<p><b>Conclusions of the first day</b></p> <p><b>Marga GUAL SOLER</b> <i>Project Director, Centre for Science Diplomacy, American Association for the Advancement of Science (AAAS)</i></p>
18:45-19:00	<p><b>2016 Recognition of Lifetime Achievements for Science &amp; Society</b></p> <p><i>presented by</i> <b>Lauritz HOLM-NIELSEN</b> <i>President of EuroScience</i></p>
19:00	<p><b>Evening Reception</b></p> <p><i>Including launch of the Palgrave Communications special thematic collection on 'Science Advice to Governments'</i></p>

**DAY TWO – Friday 30<sup>th</sup> September**

08:00-08:30	<b>Registration</b>
08:30-08:40	<p><b>Re-cap and plan for day 2</b></p> <p><b>Johannes KLUMPERS</b>  <i>Head of Scientific Advice Mechanism Unit, DG Research and Innovation, European Commission</i></p>
08:40-09:50	<p><b>Plenary session V: Cool heads in crises: How to provide timely advice in emergencies</b></p> <p>The Sendai Framework for Disaster Risk Reduction, adopted in 2015, has flagged not only the importance of science for disaster preparedness, but also the need for developing the science-policy interface for a more effective decision making in disaster risk management. The gap between decision-makers and science advisory systems must close rapidly in crises where advisors have more direct input into decision-making and can play a central role in public outreach and communication. This session will showcase some of the key developments at global level that will lead to a better quality of science advice in crisis situations.</p> <p><b><u>CHAIR:</u></b></p> <p><b>Rush D. HOLT</b>  <i>Chief Executive Officer of the American Association for the Advancement of Science (AAAS)</i></p> <p><b><u>SPEAKERS:</u></b></p> <p><b>Carthage SMITH</b>  <i>Head of the OECD Global Science Forum Secretariat</i></p> <p><b>Vladimir ŠUCHA</b>  <i>Director-General of the Joint Research Centre (JRC), European Commission</i></p> <p><b>Eva ALISIC</b>  <i>Monash University, Immediate Past Co-Chair of the Global Young Academy</i></p> <p><b>Satoru OHTAKE</b>  <i>Senior Fellow at the Economic and Social Research Institute of the Cabinet Office of Japan</i></p>
09:50-10:00	Break
10:00-11:15	<p><b>Parallel session III: Science advice for and with society</b></p> <p>In many ways, the practice of science advice has become a key pillar in what has been called the 'new social contract for science'. Science advice</p>



	<p>translates knowledge, making it relevant to society through both better-informed policy and by helping communities and their elected representatives to make better-informed decisions about the impacts of technology. What considerations are there in an increasingly open practice of science advice?</p>		
	Parallel 3.1	Parallel 3.2	Parallel 3.3
	<p><b><i>Lost in translation? Science advice, media and social media</i></b></p> <p><b><u>CHAIR:</u></b></p> <p><b>Sir Philip CAMPBELL</b> Editor-in-Chief of Nature and Nature publications</p> <p><b><u>SPEAKERS:</u></b></p> <p><b>Sixtine BOUYGUES</b> Deputy Director-General of the Directorate-General for Communication, European Commission</p> <p><b>Erika WIDEGREN</b> Chairwoman of the Advisory Board of REIsearch</p> <p><b>Linda NORDLING</b> Freelance Journalist</p> <p><b><u>RAPPORTEUR:</u></b></p> <p><b>Peter GRIFFIN</b> Director of the New Zealand Science Media Centre</p>	<p><b><i>How can national academies best contribute to science advice for policy?</i></b></p> <p><b><u>CHAIR:</u></b></p> <p><b>Thierry COURVOISIER</b> President-elect of the European Academies Science Advisory Council (EASAC)</p> <p><b><u>SPEAKERS:</u></b></p> <p><b>László LOVÁSZ</b> President of the Hungarian Academy of Sciences</p> <p><b>Ricardo SERRÃO SANTOS</b> Member of the European Parliament</p> <p><b>Suad SULAIMAN</b> Member of the Executive Committee, Sudanese National Academy of Sciences</p> <p><b><u>RAPPORTEUR:</u></b></p> <p><b>Sofie VANTHOURNOUT</b> Director of Sense about Science EU</p>	<p><b><i>What are the roles of citizens and civil society in science advice?</i></b></p> <p><b><u>CHAIR:</u></b></p> <p><b>Dame Anne GLOVER</b> Vice-Principal for External Affairs and Dean for Europe, University of Aberdeen</p> <p><b><u>SPEAKERS:</u></b></p> <p><b>Heather DOUGLAS</b> Waterloo Chair in Science and Society, University of Waterloo</p> <p><b>Marcelo SÁNCHEZ SORONDO</b> Chancellor of the Pontifical Academy of Sciences and the Pontifical Academy of Social Sciences</p> <p><b>Ulrike FELT</b> Dean of the Faculty of Social Sciences, University of Vienna</p> <p><b><u>RAPPORTEUR:</u></b></p> <p><b>Martin KOWARSCH</b> Mercator Research Institute on Global Commons and Climate Change</p>
11:15-11:45	Coffee break		

11:45-13:00	<p><b>Parallel session IV: Advising across boundaries and borders</b></p> <p>Science advisors and advisory mechanisms are called upon not just for nationally relevant advice to their governments, but also for issues that increasingly cross boundaries and borders. In so doing, their bridging roles may be called upon to span scientific disciplines, jurisdictions or institutional boundaries. What are the related challenges, including judicial issues, and how can they be overcome? To what extent are science advisory systems also diplomatic or parliamentary tools, and what are the implications of this in practice?</p>		
	Parallel 4.1	Parallel 4.2	Parallel 4.3
	<p><b><i>Science advice across boundaries and borders: learning from each other</i></b></p> <p><b><u>CHAIR:</u></b></p> <p><b>Hubert DELUYKER</b> Scientific Adviser to the Executive Director, European Food Safety Authority (EFSA)</p> <p><b><u>SPEAKERS:</u></b></p> <p><b>Chandrika NATH</b> Acting Director of the UK Parliamentary Office of Science and Technology</p> <p><b>Ene ERGMA</b> Former Speaker of the Parliament of Estonia</p> <p><b>Yasushi SATO</b> Centre for Research and Development Strategy, Japan Science and Technology Agency</p>	<p><b><i>Science in the implementation of the Sustainable Development Goals</i></b></p> <p><b><u>CHAIR:</u></b></p> <p><b>Charlotte WATTS</b> Chief Scientific Advisor at the UK Department for International Development (DFID)</p> <p><b><u>SPEAKERS:</u></b></p> <p><b>Pavel KABAT</b> Director-General and CEO of the International Institute for Applied Systems Analysis (IIASA)</p> <p><b>MU Rongping</b> Director-General of the Center for Innovation and Development, Chinese Academy of Sciences</p> <p><b>Daya REDDY</b> President of the Academy of Science of South Africa, President-elect of the International Council for Science (ICSU)</p>	<p><b><i>Shifting frontiers of science diplomacy</i></b></p> <p><b><u>CHAIR:</u></b></p> <p><b>Romain MURENZI</b> UNESCO Director for Science Policy and Capacity Building</p> <p><b><u>SPEAKERS:</u></b></p> <p><b>Robin GRIMES</b> Chief Scientific Adviser to the UK Foreign and Commonwealth Office</p> <p><b>Shaukat HAMEED KHAN</b> Coordinator-General of the Ministerial Standing Committee on Scientific and Technological Cooperation of the Organization of Islamic Cooperation (COMSTECH)</p> <p><b>Maria Cristina RUSSO</b> Director for International Cooperation, DG Research and Innovation, European Commission</p>

	<p><b><u>RAPPORTEUR:</u></b></p> <p><b>Lauri HETEMÄKI</b> Assistant Director of the European Forest Institute</p>	<p><b><u>RAPPORTEUR:</u></b></p> <p><b>Sergio Jorge PASTRANA</b> Foreign Secretary and Executive Director of the Academy of Science of Cuba</p>	<p><b><u>RAPPORTEUR:</u></b></p> <p><b>Kari RAIVIO</b> Past President of the Finnish Academy of Sciences and Letters</p>
13:00-14:00	Lunch		
14:00-15:00	<p><b>Plenary session VI: Taking Stock 2</b></p> <p><b><u>CHAIR:</u></b></p> <p><b>Oladoyin ODUBANJO</b> Executive Secretary of the Nigerian Academy of Science</p> <p><b><u>SPEAKERS:</u></b></p> <p><b>Rapporteurs of the parallel sessions III and IV:</b></p> <p><b>3.1 Peter GRIFFIN</b> <b>3.2 Sofie VANTHOURNOUT</b> <b>3.3 Martin KOWARSCH</b></p> <p><b>4.1 Lauri HETEMÄKI</b> <b>4.2 Sergio Jorge PASTRANA</b> <b>4.3 Kari RAIVIO</b></p>		
15:00-16:20	<p><b>Plenary session VII: Strengthening the use of science advice in policy</b></p> <p>In many parts of the world we continue to see the development of policies that reject expert advice or bluntly distort the facts. The concluding session of the conference will discuss how to strengthen evidence-based policy in such a climate, e.g. by developing agreed principles to underpin science advice. In particular, the session will discuss the contributions the European Commission, INGSA, the International Council for Science (ICSU) and the scientific community at large can make to this agenda with the aim of claiming the right place for scientific evidence.</p> <p><b><u>CHAIR:</u></b></p> <p><b>James WILSDON</b> University of Sheffield, Vice-Chair of the International Network for Government Science Advice (INGSA)</p>		

**SPEAKERS:**

*Designing principles for scientific advice: Report of the Working Group meeting on Principles and Guidelines for Scientific Advice*

**Marc SANER**

*Institute for Science, Society and Policy, University of Ottawa*

*Science and policymaking: The view of ICSU*

**Heide HACKMANN**

*Executive Director of the International Council for Science (ICSU)*

*The role of the European Commission in promoting science advice for policymaking*

**Wolfgang BURTSCHER**

*Deputy Director-General for Open Innovation, Open Science, Open to the World, Directorate-General for Research and Innovation, European Commission*

*INGSA - the road ahead*

**Sir Peter GLUCKMAN**

*Chair of the International Network for Government Science Advice (INGSA), Chief Science Advisor to the Prime Minister of New Zealand*

16:20

END

**Conference website:**

<http://ec.europa.eu/research/conferences/2016/ingsa2016/index.cfm?pg=home>

**#EUINGSA16**

## **Programme Committee**

**Eva ALISIC**, Monash University, Immediate Past Co-Chair of the Global Young Academy

**Tateo ARIMOTO**, Director of the Innovation, Science and Technology Policy Program, National Graduate Institute for Policy Studies (GRIPS)

**Sir Peter GLUCKMAN**, Chair of the International Network for Government Science Advice (INGSA), Chief Science Advisor to the Prime Minister of New Zealand – **Co-Chair**

**Robin GRIMES**, Chief Scientific Adviser to the UK Foreign and Commonwealth Office

**Heide HACKMANN**, Executive Director of the International Council for Science (ICSU)

**Theodoros KARAPIPERIS**, Head of Scientific Foresight Unit (STOA), European Parliamentary Research Service (EPRS), European Parliament

**Johannes KLUMPERS**, Head of Scientific Advice Mechanism Unit, DG Research and Innovation, European Commission – **Co-Chair**

**Martin KOWARSCH**, Mercator Research Institute on Global Commons and Climate Change

**David MAIR**, Head of Geographic Coordination Unit, Joint Research Centre of the European Commission

**Rémi QUIRION**, Chief Scientist of Québec

**Flavia SCHLEGEL**, UNESCO Assistant Director-General for the Natural Sciences

**Henrik C. WEGENER**, Executive Vice-President of the Technical University of Denmark, Chair of the European Commission's High-Level Group of Scientific Advisors

**James WILSDON**, University of Sheffield, Vice-Chair of the International Network for Government Science Advice (INGSA)

**ZAKRI Abdul Hamid**, Science Advisor to the Prime Minister of Malaysia and Chair of the Intergovernmental Platform on Biodiversity and Ecosystem Services (IPBES)

## **Organising Team**

### **European Commission, Scientific Advice Mechanism (SAM)**

**Vera FEHNLE**

**Corinne GILS**

**Gerjon Iking (Trainee)**

**Jan Marco MÜLLER**

**Sigrid WEILAND (Chair for EC team)**

### **International Network for Government Science Advice (INGSA)**

**Kristiann ALLEN**

**Lara COWEN**