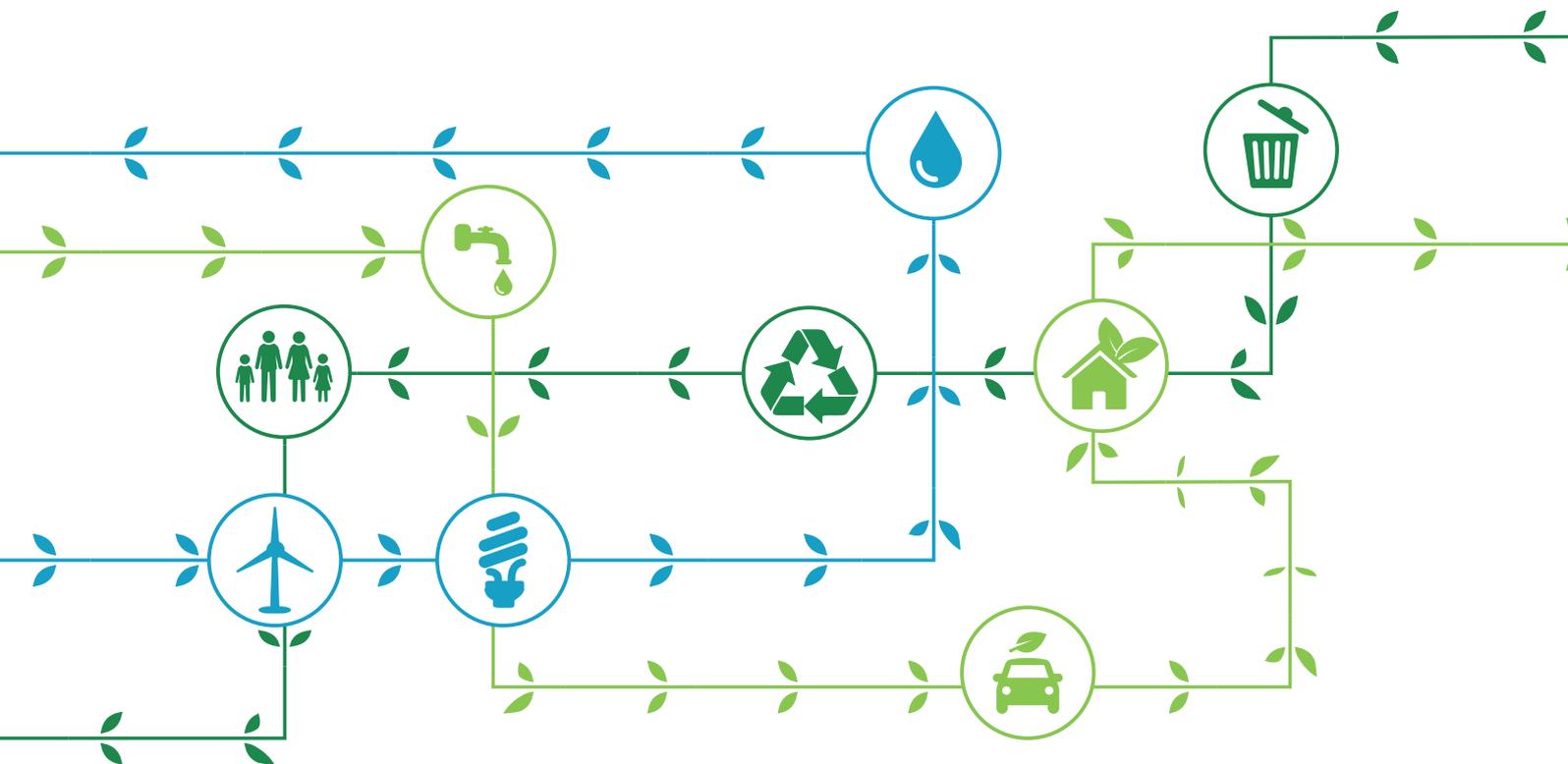


The Mission of Switzerland to the EU, *SwissCore* and *Frontiers*  
in cooperation with the Estonian Presidency of the Council of the EU  
kindly invites you to the Policy Symposium:

## Digital Open Science: SOLVING THE SOCIETAL AND SUSTAINABILITY CHALLENGES OF THE 21<sup>ST</sup> CENTURY



**28 September 2017, 17:00-19:30**

*followed by a cocktail and finger food dinner, 19:30-21:30*

**BIP Salle des Guichets, Rue Royale 2-4, 1000 Brussels**

The event is organised in cooperation with: **EU2017.EE**



# Introduction

**H**umanity has prompted a new geological era – the Anthropocene, the first period in the planet’s history in which a single species has placed itself and entire eco-systems in peril. Europe and the world face ever expanding growing societal and sustainability challenges that can only be addressed by scientific and technological innovation coupled with concerted political attention, for example via the UN Sustainable Development agenda to which the EU is also committed.

We are living in the fourth, digitally based industrial revolution wherein science and technology drive progress in society. The world’s research output is rising exponentially and solutions to many of the world’s challenges already exist. However, the full benefits of research will only be realised if results are disseminated rapidly and openly among scientists so that they can build on each other’s achievements. Just as importantly, research results must be freely and immediately available to decision-makers to drive and inform policies, industry to translate science into innovative products and solutions, schools and universities to educate new scientists, and civil society to promote global advocacy and citizen science.

This is **Open Science** – a new research paradigm based on collaboration, transparency and accessibility. It is urgently needed to tackle the societal and sustainability challenges of the 21<sup>st</sup> century.

The European Union has expressed a leading commitment to Open Science via the *Amsterdam Call to Action on Open Science* and the *EU Council Conclusions on the Transition towards an open science system*. However much more still needs to be done to accelerate this transition so that research publications, data, tools and digital infrastructures are openly and systematically available for the benefit of all European citizens, researchers and businesses.

During this Policy Symposium, hosted by the Mission of Switzerland to the EU, **SwissCore** and *Frontiers* in cooperation with the 2017 Estonian Presidency, speakers and panellists will discuss the contribution of digital Open Science to driving innovative solutions towards a sustainable society, as well as economic growth, and the need for European and global policies that accelerate a full transition to Open Science.

Key questions to be addressed during the Symposium include:

- How can we establish a culture of digital Open Science that spans all parties involved in conducting and disseminating research (i.e. including researchers, funders, universities, publishers and consumers)?
- How can we best harness the value of Open Science and promote its translation into innovative, viable technologies that maximise impact and value for our societies?
- How should the EU and Member States promote Open Science via research policies – e.g. how should FP9 be structured with respect to Open Science?
- What are the key enablers of Open Science and what do policymakers need to do to put the right conditions, tools and environments in place?

# Agenda

The event is moderated by Ms. Charlotte Geerdink, European Advisor for Innovation, [SwissCore](#)

<b>16:30</b>	<i>Registration</i>
<b>17:00</b>	<b>Welcome</b> <ul style="list-style-type: none"><li>• <a href="#">Mr. Urs Bucher</a> - <i>Ambassador Mission of Switzerland to the European Union</i></li></ul>
<b>17:05</b>	<b>Setting the Scene: Short video on 'Open Science for Sustainability'</b> <ul style="list-style-type: none"><li>• <i>Developed by Frontiers and the World Business Council for Sustainable Development (wbcSD)</i></li></ul>
<b>17:15</b>	<b>Opening: Fostering Europe's leadership in Open Science and addressing the UN Sustainability Development Goals</b> <ul style="list-style-type: none"><li>• <a href="#">Mr. Kurt Vandenberghe</a> - <i>Director, Policy Development and Coordination, DG Research &amp; Innovation, European Commission</i></li></ul>
<b>17:30</b>	<b>Keynote: How best to leverage the open science revolution for the benefit of humanity?</b> <ul style="list-style-type: none"><li>• <a href="#">Dr. Kamila Markram</a> - <i>CEO, Frontiers - Open Science Platform</i></li></ul>
<b>17:45</b>	<b>Vision 1: Open science to accelerate solutions to the earth and environment sustainability</b> <ul style="list-style-type: none"><li>• <a href="#">Professor Valerio Acocella</a> - <i>Professor of Geosciences, University Roma Tre</i></li></ul>
<b>18:00</b>	<b>Vision 2: Open science to accelerate solutions to societal health challenges</b> <ul style="list-style-type: none"><li>• <a href="#">Professor Michel Goldman</a> - <i>co-Director of Institute for Interdisciplinary Innovation in Healthcare (I3h), Université Libre de Bruxelles, and former Executive Director of the Innovative Medicines Initiative (IMI)</i></li></ul>
<b>18:15</b>	<i>Introducing the panellists</i>
<b>18:20</b>	<b>Panel Discussion: How can open science maximise the impact and value of research and innovation for our societies?</b> <ul style="list-style-type: none"><li>• <a href="#">Professor Mary Ritter OBE</a> - <i>Chair of RISE European Open Science Advisory SubGroup; International Ambassador Climate KIC; Emeritus Professor, Imperial College London</i></li><li>• <a href="#">Professor Urmas Kõljalg</a> - <i>Open Science Expert Group, Estonian Research Council; Professor University of Tartu</i></li><li>• <a href="#">Professor Moritz Riede</a> - <i>co Chair Global Young Academy; Associate Professor Oxford University</i></li><li>• <a href="#">Mr. Tamás Bereczky</a> - <i>Social psychologist &amp; patient advocate - European AIDS Treatment Group (EATG)</i></li><li>• <a href="#">Mr. Kurt Vandenberghe</a> - <i>Director, Policy Development and Coordination, DG Research &amp; Innovation, European Commission</i></li><li>• <a href="#">Dr. Kamila Markram</a> - <i>CEO, Frontiers - Open Science Platform</i></li></ul>
<b>19:25</b>	<b>Conclusion - Estonian Presidency of the Council of the EU</b> <ul style="list-style-type: none"><li>• <a href="#">Mr. Martin Eessalu</a> - <i>Ministry of Education and Research, Estonia</i></li></ul>
<b>19:30</b> <b>21:30</b>	<i>Cocktail &amp; Finger Food Dinner</i>

# Speakers and panellists - short biographies



**Urs Bucher** - *Ambassador, Mission of Switzerland to the European Union*

Born in 1962 in Solothurn (Switzerland), Urs Bucher studied law at the University of Berne and qualified as attorney-at-law in 1989. After entering the diplomatic service in 1990, Mr. Bucher took up his first postings in Berne, Moscow and Geneva. In 1992, he started working as Desk Officer for the Directorate of Political Affairs of the Federal Department of Foreign Affairs (DFA), before being transferred to the Swiss Mission to the EU in Brussels where he was initially appointed First Secretary of Embassy in 1996 and subsequently Counsellor in 1998. As of July 2001, Mr. Bucher led the section for political coordination of the European Integration Office of the DFA/ Federal Department of Economic Affairs (DEA), before being nominated Ambassador and Head of the European Integration Office and Member of the board of the State Secretariat for Economic Affairs in 2005. As of 2010, Ambassador Bucher represented Switzerland in his function as Head of the Swiss Embassy in Tokyo (Japan), before being appointed in 2016 as Head of the Swiss Mission to the EU in Brussels (Belgium).



**Kurt Vandenberghe** - *Director for Policy Development and Coordination, DG Research and Innovation, European Commission*

Kurt has been Director for Policy Development and Coordination at the DG Research and Innovation since 1<sup>st</sup> February 2016. Before that, he was Director for 'Climate action and resource efficiency' at DG Research and Innovation. He served in the Cabinet of Research Commissioner Philippe Busquin (1999-2004) and as Head of the Cabinet of Commissioner Janez Potocnik. Kurt joined the European Commission in 1996 as co-ordinator of the Commission's Intermodal Transport Task Force and of the Transport Research Programme. Before entering the Commission, Kurt worked for 4 years as a manager at Ernst & Young Association Management, where he set up, managed and represented international trade associations. After obtaining a degree in Public and International Affairs at the University Catholique de Louvain-la-Neuve (UCL), Kurt gained a Master of Arts degree in International Relations at the Johns Hopkins University School of Advanced International Studies (S.A.I.S.) in Bologna, Italy and Washington D.C., US. Kurt is co-founder and board member of Journalismfund.eu and the VZW Scriptieprijs.



**Kamila Markram** - *CEO, Frontiers - Open Science Platform*

Kamila is the co-founder and CEO of Frontiers, and a neuroscientist and autism researcher at the Swiss Federal Institute of Technology (EPFL) Lausanne. Frontiers is one of the largest and most impactful Open Science platforms in the world, on a mission to make science open for the benefit of humanity. Radically improving how science is reviewed, published, evaluated and disseminated to both researchers and the general public, Frontiers received the 2014 ALPSP Gold Award for Innovation in Publishing. In 2016 Kamila was named a L'HEBDO Forum 100 personality, a Stevie Gold Award Winner for Women in Business, and a finalist for the Ernst and Young Entrepreneur of the Year Award. In 2017, Kamila was a finalist for the EU Prize for Women Innovators.

# Speakers and panellists - short biographies



**Valerio Acocella** - *Professor of Geosciences, University Roma Tre*

Valerio Acocella graduated in Geosciences at La Sapienza University, Roma, Italy. After a Ph.D. in 2000 on magma emplacement at the University of Siena, Italy, he focused on volcanoes at the University of Roma Tre, where he is currently professor. Main research interests include volcano structure, deformation, dynamics and hazard, particularly in Italy, Iceland, Ethiopia, Afar, New Zealand, Japan, Kamchatka, Central Andes, Easter Island, Azores and Iran, as testified by >120 papers. Valerio has been regularly organizing scientific sessions at major international meetings (EGU, AGU, IAVCEI) and, from 2010 to 2014, was responsible for the IAVCEI Commission on Collapse Calderas. Valerio is currently Field Chief Editor of *Frontiers in Earth Science*, Chief Editor of *Frontiers in Volcanology*, and Associate Editor in: *Journal of Volcanology and Geothermal Research*, *Geosphere*, *Frontiers in Structural Geology and Tectonics*, *Bulletin of Volcanology and Earth, Planets, Space*.



**Michel Goldman** - *Co - Director Institute for Interdisciplinary Innovation in Healthcare (I3h), Université Libre de Bruxelles (ULB)*

Michel Goldman is specialised in immunology and internal medicine. He is the Executive Director of the Institute for Interdisciplinary Innovation in healthcare (I3h) and Full Professor at the ULB. From 2009-2014, he was the first Executive Director of the Innovative Medicines Initiative Joint Undertaking, a €2 billion partnership between the European Federation of Pharmaceutical Industries and Associations and the European Commission. He is a member of the Board of Directors of the Canadian Consortium for Precompetitive Pharmaceutical Research, the European Tuberculosis Vaccine Initiative and the French National Institute of Health and Medical Research. His scientific achievements resulted in a recognition as ISI Highly Cited Scientist by the Thomson Institute. He was also the laureate of the Quinquennial Prize of the Belgian National Fund of Scientific Research for Clinical Sciences (2000) and he held the Spinoza chair at the University of Amsterdam (2001).



**Mary Ritter** - *Chair of RISE European Open Science Advisory SubGroup; International Ambassador Climate KIC; Emeritus Professor, Imperial College London*

Mary Ritter is Professor Emeritus at Imperial College London. Following a Doctorate in Immunology from Oxford University, she held academic posts in the USA and UK focused on research into development of the immune system and published widely on this. She has had extensive experience of senior management as Pro Rector Postgraduate Affairs and then Pro Rector International Affairs at Imperial (2004-2011). She sits and has sat on many international and national committees including the National Research Foundation Fellowship Evaluation Panel in Singapore, European Universities Association (EUA) Institutional Evaluation Programme Panel of Experts, EUA Council for Doctoral Education, the German Excellence Initiative (Institutional Strategies) Evaluation Group, and the Programme Review Committee for the Cambridge-MIT Institute (CMI). From 2010-2014 she was CEO of Climate-KIC – Europe’s leading public-private partnership addressing climate change – guiding it from inception to its current community of >200 partners from academia, business and regional/city government, working to bring innovation for low-carbon prosperity and climate resilience. She is now Climate-KIC’s International Ambassador, working to extend the organisation’s global impact. She was awarded an OBE in the 2014 New Year Honours for her service to scientific research and innovation. Mary Ritter is currently the Chair of the European Open Science Advisory Group from the European Commission’s «Research, Innovation, and Science Policy Experts» (RISE) high level group (HLG) which was set up by Commissioner Moedas in 2014.

# Speakers and panellists - short biographies



**Urmas Kõljalg** - *Open Science Expert Group, Estonian Research Council; Professor University of Tartu*

Urmas Kõljalg has been a professor in mycology of the University of Tartu, Estonia since 2001. He has also served as a director of the Natural History Museum of the same university since 2005. His major research area is biodiversity informatics and molecular taxonomy. The last 15 years he has been developing online tools for the managing open and linked biodiversity data ([www.plutof.com](http://www.plutof.com)) and for the metabarcoding of fungi ([www.unite.ut.ee](http://www.unite.ut.ee)). He is leading the Estonian research infrastructure roadmap project NATARC ([www.nataarc.ut.ee](http://www.nataarc.ut.ee)) which is developing national e-infrastructure for the natural and earth sciences. He is also leading the data management work package of the 7<sup>th</sup> framework project EUBON ([www.eubon.eu](http://www.eubon.eu), Building the European Biodiversity Observation Network). Since 2015 he has been a member of the Estonian Research Council's Open Science Expert Group which advises in open science issues.



**Professor Moritz Riede** - *Co-Chair Global Young Academy, Associate Professor Oxford University*

Moritz Riede is Associate Professor for Soft Functional Nanomaterials, Physics Department of the University of Oxford, UK and Co-Chair of the Global Young Academy. Before moving to Oxford in 2013, Moritz Riede worked in Germany at the Fraunhofer Institute for Solar Energy Systems ISE and the University of Freiburg as PhD student, and at the Technische Universität Dresden as postdoctoral research and head of a junior research group. His current academic focus is on organic solar cells, a novel solar cell technology that has potential for light-weight, cheap, flexible, large area, long-living and efficient solar cells. The research in his laboratory, which he is trying to build around the concept of "Open Science", ranges from fundamental studies in the photophysics of organic semiconductors to the optimisation of organic solar cells. Beyond organic solar cells and open science, his interests are renewable energies and tackling the corresponding challenges for transforming our energy system into a sustainable one, as well as the special responsibility of scientists towards society.

# Speakers and panellists - short biographies



**Tamás Bereczky** - *Social psychologist & patient advocate, European AIDS Treatment Group*

Tamás Bereczky currently works as the communications advisor of the European AIDS Treatment Group, the largest European network of individuals living with HIV, and the communications officer and trainer of the European Patients' Academy for Therapeutic Innovation EUPATI. HIV positive since 2003, he served as a member of the board of directors of the EATG for almost 4 years, and also served the co-chair of the European Commission's Civil Society Forum on HIV/AIDS between 2013 and 2015. Originally a linguist (ELTE University of Budapest), and psychologist (Open University), Tamás is set to defend his PhD based on research into the significance and perspectives of patient organizations in Europe at the end of 2017. In addition to his work in communications, he also works as an advisor to EACS, UNAIDS and ECDC in matters concerning HIV, HCV, men having sex with men, substance use, and health policy. He has also been the editor and developer of the EATG website for 3 years, and has been producing HIV and hepatitis C advocacy videos, websites and blogs in his native Hungarian. Some upcoming publications of Tamás discuss amongst other the standing and possibilities of patient organisations in neoliberalism and a training manual for patient organisations on the methods and processes in medicine pricing, the affordability of medicines, and practical advocacy for more affordable medicines. You can read some of his work here: [www.atk.academia.edu/TamasBereczky](http://www.atk.academia.edu/TamasBereczky)



**Martin Eessalu** - *Ministry of Education and Research, Estonia*

Martin Eessalu is the Open Science expert in the Estonian Ministry of Education and Research, and is a member of the Open Science Expert Group (Estonian Research Council) which compiled the general principles and policy recommendations document for open science in Estonia. He is also the Estonian delegate in the European Commission expert group on National Points of Reference on Scientific Information and in the ERAC Standing Working Group on Open Science and Innovation.



**Charlotte Geerdink** - *European Advisor for Innovation, Swiss Contact office for European research Innovation and Education (Swisscore)*

Charlotte Geerdink has worked since October 2014 as Senior European Advisor for Innovation at SwissCore, the Swiss contact office for research, innovation and education in Brussels. She's worked in Brussels for more than 6 years in the domain of European research and innovation, with a special focus on the innovation aspects in Horizon 2020, such as public private partnerships, the EIT, and the EIC. Currently she focuses on the Swiss universities of applied sciences in stepping up their participation and visibility in Horizon 2020, creates visibility for the Swiss commission for technology and innovation (CTI) in Brussels and is dealing with preparing the Swiss research and innovation community for FP9, the successor of Horizon 2020. Moreover, she acts as moderator at various high level events on European research and innovation. Charlotte is a Dutch national and is fluent in English, German and has a good command of French. In her spare time she loves spending her time in the outdoors, traveling and drawing.

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SOLVING THE SOCIETAL AND  
SUSTAINABILITY CHALLENGES  
OF THE 21<sup>ST</sup> CENTURY

28 September 2017, Brussels

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