



**inno4sd.net**  
Innovation for Sustainable  
Development Network

## Fourth Symposium on Innovation for Sustainable Development

Policies and Partnerships for the Sustainable Develop-  
ment Transition

*European Parliament and Residence Palace  
Brussels, Belgium  
7-9 November 2018*

In collaboration with:

- Future Earth
- Sustainable Development Solutions Network

With the support of:

- Mr. Gerben-Jan Gerbrandy MEP
- Japan Science and Technology Agency
- Green Growth Knowledge Platform



## Fourth Symposium on Innovation for Sustainable Development Policies and Partnerships for the Sustainable Development transition 7-9 November 2018

The Innovation for Sustainable Development Network (ino4sd) brings together networks, entities and individuals with the aim of reducing fragmentation and supporting collaboration, whilst engaging policy makers, research & development and businesses to achieve the Sustainable Development Goals (SDGs). This fourth annual symposium is organised in co-operation with Future Earth and the Sustainable Development Solutions Network, with the support of Gerben-Jan Gerbrandy MEP (Netherlands), the Japan Science and Technology Agency, and the Green Growth Knowledge Platform.

### High-level forum 7 November – European Parliament Paul-Henri Spaak Building, Conference room: P5B001

This high-level dialogue will be held on SDGs and the role of Research, Science, Technology and Innovation (STI) for achieving them. It will host a parliamentary debate about monitoring progress on achieving the SDGs and the role of innovation and STI roadmaps. During this event a global initiative on knowledge and innovation for SDGs will be launched.

*VIP guests are invited to attend a welcome breakfast in the European Parliament from 8:00. For general participants, access to the European Parliament will begin at 8:30.*

9:00	<b>Introduction and welcome</b> <b>Fernando J. Diaz Lopez</b> , Director of the Innovation for Sustainable Development Network – inno4sd.net  <b>Moderator:</b> Peter Woodward
<b>Keynote Addresses</b>	
09:10	<b>Patrick Anthony Child</b> , Deputy Director-General of DG Research and Innovation, European Commission
09:20	<b>Hugo G. von Meijenfeldt</b> , Minister Plenipotentiary for the SDGs, Minister for Foreign Affairs of the Netherlands
09:40	<b>Mauricio Escanero Figueroa</b> , Ambassador of Mexico to the Kingdom of Belgium, the Grand-Duchy of Luxembourg and Head of the Mission to the European Union
10:00	<b>Gabriel Gurovich</b> , CEO Dreamline, Lithium Valley, Investor and Entrepreneur
10:20	<b>Paul Ekins</b> , Director of the University College London Institute for Sustainable Resources, founding partner if inno4sd, member of the UN International Resource Panel and co-chair of the GEO 6 on green economy and green growth
10:40	<b>Michiharu Nakamura</b> , Former President, Japan Science and Technology Agency (JST) and member of the Multi-stakeholder Group to support the UN Technology Facilitation Mechanism of the Sustainable Development Goals
11:00	<i>Coffee break</i>



11:20	<p>Panel Discussion</p> <ul style="list-style-type: none"> <li>• <b>Angelo Riccaboni</b>, Member of the Leadership Council, UN Sustainable Development Solutions Network, Chair of SDSN Assembly and Chair PRIMA Foundation</li> <li>• <b>Benjamin Simmons</b>, Head of Secretariat of the Green Growth Knowledge Platform</li> <li>• <b>Wendy Broadgate</b>, Global Hub Director Sweden and member of the Executive Team of Future Earth</li> <li>• <b>Wolfgang Teubner</b>, Regional Director Europe, ICLEI – Local Governments for Sustainability</li> <li>• <b>Marinke Wijngaard</b>, Managing Director Circular Economy and the Environment at TNO</li> </ul>
12:20	<p><b>Launch of the global initiative of knowledge and Innovation in support of SDGs</b>  <b>Fernando J. Diaz Lopez</b>, Director of inno4sd.net</p>
12:50	<p><b>Concluding Message</b>  <b>Gerben-Jan Gerbrandy</b>, Member of the European Parliament and host of the inno4sd high-level forum</p>
13:00	<p><i>End of forum, Press Conference</i></p>

### Social programme (invited guests only)

15:45	Visit to the European Parliament
18.00	Cocktail and reception

## Science-Policy Dialogue Symposium 8 November – Residence Palace

The inno4sd multi-stakeholder, policy-science symposium focuses on the role of science, technology and innovation for achieving the SDGs. A central element in the dialogue is on lessons learnt about the role of transformational and mission oriented innovation policies and roadmaps supporting action oriented solutions and communities of practices. The programme is organised around brief presentation of examples and case studies, with a large amount of dialogue, debate and discussions.

Registration will open at 8:30

8:30	<b>Arrival and Registration</b>
9:00	<p><b>Welcome and Introduction</b>  <i>Fernando J. Diaz Lopez</i>, Director inno4sd.net.</p> <p><i>Marialuisa Tamborra</i>, Deputy Head of Unit, 1 Strategy - Directorate Climate action &amp; resource efficiency, European Commission DG Research &amp; Innovation.</p> <p><b>Moderator:</b> Peter Woodward.</p>





9:15	<b>Keynote on Innovation for SDGs</b> <i>Shyama Ramani</i> , Professorial fellow at United Nations University – MERIT (Netherlands).	
9:45	<b>Aligning international agendas on innovation for SDGs: Challenges for shaping innovation missions(s)</b>  <b>Chair:</b> <i>Alan Brent</i> , Professor Extra-ordinary Sustainable Systems Stellenbosch University and Professor of Sustainable Energy Systems Victoria University of Wellington (New Zealand) <b>Rapporteur:</b> <i>Imke de Kock</i> , Stellenbosch University (South Africa) <hr/> <b>Keynote panellists:</b> <ul style="list-style-type: none"><li>• <i>Robbert Fischer</i>, Director of the Joint Institute for Innovation Policies (Belgium)</li><li>• <i>Renzo Tomellini</i>, Head of Unit Horizon 2020 policy and foresight, European Commission DG Research &amp; Innovation (Belgium)</li><li>• <i>Rob Raven</i>, Deputy Director Monash Sustainable Development Institute and member of the steering committee of Sustainability Transitions Research Network (Australia)</li><li>• <i>Lorenzo Massa</i>, faculty at the EMBA of École Polytechnique Fédérale de Lausanne (EPFL) (Switzerland)</li></ul>	
11:05	<i>Coffee Break</i>	
11:30	Introduction to Parallel sessions	
11.30	<b>Innovation policies to achieve SDGs</b>  <b>Chair:</b> <i>Michal Miedzinski</i> , Senior Research Associate, University College London (UK) <b>Rapporteur:</b> <i>Will McDowall</i> , University College London (UK) <hr/> <b>Speakers</b> <ul style="list-style-type: none"><li>• Country experience Sweden - <i>Göran Marklund</i>, VINNOVA (Sweden)</li><li>• Country experience South Africa - <i>Mapula Tschangela</i>, Department of Environmental Affairs (South Africa)</li><li>• Country experience Turkey - <i>Sinan Tandoğan</i>, Technology and Innovation Funding Directorate, TEYDEB (Turkey)</li><li>• Country experience Japan - <i>Takao Kuramochi</i>, Japan Science and Technology Agency (Japan)</li><li>• Country experience Mexico - <i>Daniel Villavicencio</i>, Universidad Autonoma Metropolitana (Mexico)</li></ul>	<b>Parallel session: Impact of Rapid Technological Change on SDGs</b> <i>in collaboration with the Mexican Ministry of Foreign Affairs</i>  <b>Chairs:</b> <i>Mauricio Escanero Figueroa</i> , Ambassador of Mexico to the Kingdom of Belgium, the Grand-Duchy of Luxembourg and Head of the Mission to the European Union, <i>Carlos Montalvo</i> , Senior Researcher, TNO (Netherlands)  <b>Rapporteur:</b> <i>Berta Vallejo</i> – Tilburg University and United Nations University – MERIT (Netherlands) <hr/> <ul style="list-style-type: none"><li>• Introduction by co-chairs</li><li>• State of the art on known impacts and effects of RTC on SDGs by co-chair</li></ul> <b>Speakers:</b> <ul style="list-style-type: none"><li>• Landscape of rapid technical change (digital platforms, i.4.0, key enabling technologies) - <i>Philine Warnke</i>, Fraunhofer ISI (Germany)</li><li>• Foreseen impacts (growth, employment, industry and cross sectoral) - <i>Carlos Montalvo</i>, TNO (Netherlands)</li><li>• Alignment and catching up of international norms and standards – <i>Richard</i></li></ul>





		<p>Hawkins, University of Calgary (Canada)</p> <ul style="list-style-type: none"> <li>Exponential technologies, start-up creation and sustainability implications, <i>Gabriel Gurovich</i>, CEO Dreamline, Lithium Valley, (Chile)</li> <li>Implications for sustainable innovation in developing and emerging countries, <i>Rafael Carmona</i>, GreenMomentum (Mexico)</li> </ul>
13.00	<i>Networking Lunch &amp; exhibition of innovators</i>	
14.00	<p><b>Monitoring progress of innovation and green economy</b></p> <p><b>Chair:</b> <i>Rene Kemp</i>, Professor of innovation and sustainable development at ICIS and professorial fellow of UNU-MERIT (Netherlands)</p> <p><b>Rapporteur:</b> <i>Serdar Turkeli</i>, United Nations University – MERIT (Netherlands)</p> <hr/> <p><b>Regional experiences:</b></p> <ul style="list-style-type: none"> <li>South African pilot experience on eco-innovation measurement - <i>Cheryl Moses</i>, Centre for Science, Technology and Innovation Indicators (South Africa)</li> <li>The Green Innovation project for Latin America and the Caribbean - <i>Matteo Grazzini</i> Inter-American Development Bank (USA)</li> <li>Indicators for measuring Eco-innovation and Green Growth in Europe - <i>Stephan Speck</i>, European Environmental Agency (Denmark)</li> <li>The ASEM Eco-innovation Index - <i>Mi Hoon Jeong</i>, ASEM SMEs Eco-innovation Centre (ASEIC), (Republic of Korea)</li> <li>Measuring Green Growth in PAGE countries, <i>Andrea Bassi</i>, Knowledge srl, (Switzerland)</li> </ul>	<p><b>Parallel session: Impact of Rapid Technological Change on SDGs - continued</b> <i>in collaboration with the Mexican Ministry of Foreign Affairs</i></p> <p>Discussion: Implications and specific contribution for the SDGs</p> <p>Wrap up and conclusions.</p> <hr/> <p><b>Parallel session: STI roadmaps for SDGs</b> <i>in collaboration with the Japan Science and Technology Agency</i></p> <p><b>Chairs:</b> <i>Michiharu Nakamura</i>, Former President, Japan Science and Technology Agency (JST) and member of the Multi-stakeholder Group to support the U.N. Technology Facilitation Mechanism of the Sustainable Development Goals, <i>Fernando J. Diaz Lopez</i>, director inno4sd.</p> <p><b>Rapporteur:</b> <i>Fumie Imabayashi</i>, Japan Science and Technology Agency (JST) Office of STI for SDGs</p> <hr/> <p>(1) Brief introduction of the session</p> <p>(2) Sharing experiences from speakers</p> <p><b>SDG sector roadmap from Business Perspective</b> SDG sector roadmap -WBCSD - <i>Uta Jungermann</i>, Manager, WBCSD</p> <p><b>Theme specific roadmaps</b> Exponential Climate Action Roadmap – <i>Erik Phil</i> - Future Earth</p> <p>Road mapping initiative Fossil Free Sweden - <i>Malin Strand</i> - Fossilfritt Sverige</p>
15.30	<i>Coffee Break</i>	






16.00	<p><b>SDG guidance from the local level</b></p> <p><b>Chair:</b> Peter Defranceschi, Director ICLEI Brussels (Belgium)  <b>Rapporteur:</b> Pierre Menger, Tecnalia Research and Innovation (Spain)</p> <hr/> <p><b>Introduction by Wolfgang Teubner, Regional Director Europe, ICLEI-Local Governments for Sustainability (tbc)</b></p> <p><b>Speakers:</b></p> <ul style="list-style-type: none"> <li>• Gemma Aguado de la Fuente, ART Initiative, United Nations Development Programme,</li> <li>• Thomas de Béthune, DG Regio, European Commission</li> </ul> <p><b>Panel: Good practices from local level:</b></p> <ul style="list-style-type: none"> <li>• Ola Nord, City of Malmö (Sweden)</li> <li>• Lina Furch, City of Bonn (Germany)</li> <li>• Alessandro Biagetti, United Nations Sustainable Development Solutions Network</li> </ul> <p><b>Inno4sd's contribution to support local policy actions</b></p> <ul style="list-style-type: none"> <li>• Carlos Tapia, Tecnalia Research and Innovation (Spain)</li> </ul>	<p><b>Parallel Session: STI roadmaps for SDGs - continued</b>  <i>in collaboration with the Japan Science and Technology Agency</i></p> <p><b>National roadmaps</b></p> <p><b>JAPAN</b>  STI for SDGs roadmaps ; case study on SDG7 in Japan – Shiro Takegami, Director General, Technology Strategy Center, NEDO</p> <p><b>SWEDEN</b>  Swedish experience with policy roadmaps – Jesse Fanestock – RISE</p> <p><b>NETHERLANDS</b>  Dutch experience with STI policy roadmaps - Jos Leijten – JIIP</p> <p><b>NORWAY</b>  Principles of effective STI Roadmaps – Gerrit Mulder, University College of Southeast Norway and TNO-ESI</p> <p><b>Horizon scanning and cross sectorial perspectives</b>  Interlinkages of the SDGs at national levels - <i>Mustafa Moinuddin</i>, Research Manager, Strategic and Quantitative Analysis Centre, IGES</p> <p>Inno4sd work on STI for SDGs roadmaps – <i>Michal Miedzinski</i>, UCL (UK)</p> <p>(3) Panel discussions</p>
17.30	<b>Wrap-up and conclusions of the day</b>	
17.45	<i>End of the day</i>	
20.00	Official dinner (Inno4sd registered attendees only)	





## 9 November – Residence Palace

8:30	<b>Arrival and Registration</b>
9:00	<p><b>Introduction</b>  <i>Fernando J. Diaz Lopez, Director of inno4sd.net</i></p> <p><b>Moderator:</b> <i>Peter Woodward</i></p>
9:15	<p><b>Keynote on Horizon Europe</b>  <i>Marialuisa Tamborra, Deputy Head of Unit, 1 Strategy - Directorate Climate action &amp; resource efficiency, European Commission DG Research &amp; Innovation</i></p>
10.00	<p><b>Keynote on knowledge transfer for innovation and the SDGs,</b>  <i>Margaret Koli, Programme Associate at the United Nations University's Institute for Environment and Human Security (UNU-EHS) (Germany)</i></p>
10.30	<p><b>The need and value of knowledge exchange and knowledge transfer</b></p> <p><b>Chair:</b> Gianfranco Franz, Professor at University of Ferrara and Director of Routes for Sustainability Network (Italy)  <b>Rapporteur:</b> Massimiliano Mazzanti, University of Ferrara / SEEDS (Italy)</p> <hr/> <p><b>Lessons learnt on knowledge exchange from different world regions</b></p> <ul style="list-style-type: none"> <li>• Uganda case study – Lucia Dal Negro, SEEDS, De lab (Italy)</li> <li>• Mexican case study – Antonio Flores, Efecto Verde (Mexico)</li> </ul>
11.00	<i>Coffee Break</i>
11.30	<p><b>The need and value of knowledge exchange and knowledge transfer (continues)</b></p> <p><b>Chair:</b> Gianfranco Franz, Professor at University of Ferrara and Director of Routes for Sustainability Network (Italy)  <b>Rapporteur:</b> Massimiliano Mazzanti, University of Ferrara / SEEDS (Italy)</p> <hr/> <p><b>Lessons learnt on knowledge exchange from different world regions</b></p> <ul style="list-style-type: none"> <li>• Brazilian case study – Nicole Pistelli (Brazil)</li> <li>• Jordanian case study – Arwa Hamaideh, University of Jordan</li> </ul> <p><b>Knowledge transfer for circular Economy and Urban transformation</b></p> <ul style="list-style-type: none"> <li>• Valentina Bonello, IUAV Venice &amp; Padua University (Italy)</li> <li>• Andrea Bortolotti. - Metrolab Bruxelles (Belgium)</li> </ul>
12:30	<i>Networking Lunch</i>
13.30	<p><b>World café: Introduction. Think global, act local – an agenda of knowledge and innovation to meet the SDGs</b></p> <p><b>Chair:</b> Bruno Turnheim, Kings College London (UK)  <b>Rapporteur:</b> Georg Pallaske, Knowledge srl</p> <ul style="list-style-type: none"> <li>• Introduction to the challenge by Bruno Turnheim</li> <li>• Introduction to the process by Peter Woodward</li> </ul>
13:40	<p><b>World Café: Table group discussions</b>  <i>Working session where groups of 5-7 participants discuss one topic and write down a series of responses.</i></p> <p><b>Moderator:</b> <i>Peter Woodward</i></p>



14:30	<i>Short break</i>
14:40	<p><b>World café: Feedback and panel discussion on the emerging agenda</b>  <i>Feedback about key messages/recommendations to plenary</i></p> <p><b>Moderator:</b> <i>Peter Woodward</i></p>
15:40	<p><b>The future sustainability of inno4sd</b>  <i>Fernando J. Diaz Lopez, Director of inno4sd.net, Announcement of partnerships and future activities</i></p>
16:00	<p><b>Official closing of inno4sd symposium</b>  <i>Fernando J. Diaz Lopez, Director of inno4sd.net</i></p>
16:15	<i>End of activities</i>





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*Advancing the state-of-the-art in innovation for  
global sustainability*

The Innovation for Sustainable Development Network (inno4sd.net) brings together networks dedicated to innovation for sustainable development with the aim of reducing fragmentation and supporting collaboration, whilst engaging policy-makers, research & development, and businesses to achieve the sustainable development goals.



The Horizon 2020 green.eu project and the inno4sd network are coordinated by the Netherlands Organisation for applied Scientific research (TNO).

**Contact details**

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