

# The First IG<sup>3</sup>IS Symposium and User Summit

13 – 15 November 2018  
WMO, Geneva, Switzerland

## Final Agenda

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### Tuesday 13 November

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8:30 **Registration**

***Session 1: Introduction to IG<sup>3</sup>IS and its First Annual Symposium and User Summit (chair: Oksana Tarasova)***

9:00 Welcome

- Pavel Kabat, Chief Scientist and Director of Research, World Meteorological Organization (WMO)

9:15 IG<sup>3</sup>IS Development and Major Concepts

- Phil DeCola, IG<sup>3</sup>IS

9:30 IG<sup>3</sup>IS in the Political Context:

- Florin Vladu, United Nations Framework Convention on Climate Change (UNFCCC) - via teleconference
- José Romero, Bundesamt für Umwelt (BAFU)
- Bryony Worthington, Environmental Defense Fund (EDF)
- Hugo Zunker, European Commission (EC) & Copernicus

10:30 **Coffee break\***

\*All coffee breaks are sponsored by MeteoSwiss



Schweizerische Eidgenossenschaft  
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Eidgenössisches Departement des Innern EDI  
Bundesamt für Meteorologie und Klimatologie MeteoSchweiz



IG<sup>3</sup>IS office supported by Switzerland



10:50 IG<sup>3</sup>IS and Related Projects:

- Anna Agusti-Panareda, European Center for Medium Range Weather Forecasts (ECMWF) representing the CO<sub>2</sub> Human Emissions (CHE) project
- Alex Vermeulen, Integrated Carbon Observing System (ICOS) & Global Atmosphere Watch (GAW) program's Scientific Advisory Group (SAG) on Greenhouse Gases
- Pep Canadell, Commonwealth Scientific and Industrial Research Organisation (CSIRO) & Global Carbon Project (GCP) - via teleconference
- Kim Mueller, National Institute of Standards and Technology (NIST)

**Session 2: IG<sup>3</sup>IS' National Objective (chair: Oksana Tarasova)**

11:50 Introduction to the National Objective:

- Shamil Maksyutov, National Institute for Environmental Studies (NIES)
- Henning Wuester, Initiative for Climate Action Transparency (ICAT) - via teleconference

12:20 **Welcome Aperero supported by Norway**

13:20 Roundtable with the National Emission Compilers: Where are the uncertainties and how we can improve them? (Moderator: Jocelyn Turnbull, GNS Science)

- Regine Röthlisberger, Climate Divisions of the Federal Office for the Environment (FOEN) - Switzerland
- Camila Labarca, Ministerio del Medio Ambiente (MMA) - Chile
- Dirk Günther, Umweltbundesamt (UBA) - Germany - via teleconference
- Greet Janssens-Maenhout, European Commission, Joint Research Centre (EC-JRC) - Belgium

- Mark Hunstone, National Inventory Systems and International Reporting Branch of the Australian Department of the Environment and Energy (DEE) - Australia

14:40 **Coffee break**

15:00 Presentations from the Scientific Community: What solutions can IG<sup>3</sup>IS provide to emission compilers? (chair: Oksana Tarasova)

- Dominik Brunner, Eidgenössische Materialprüfungs- und Forschungsanstalt (Empa)
- Alistair Manning, U.K. Met Office
- Jocelyn Turnbull, GNS Science
- Zoe Loh, Commonwealth Scientific and Industrial Research Organisation (CSIRO)
- Andrea Kaiser - Weiss, Deutscher Wetterdienst (DWD)

16:15 Open Discussion: Do the available solutions meet the stakeholders' needs on the national scale? (led by Jocelyn Turnbull, GNS Science)

16:50 Pavel Kabat, Chief Scientist and Director of Research, World Meteorological Organization (WMO): "Science Challenges in IG<sup>3</sup>IS Implementation"

17:10 **Transition time to poster session**

17:20 **Poster session and refreshments**

until

19:00

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## Wednesday 14 November

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### **Session 3: IG<sup>3</sup>IS' Subnational/City-Scale Objective (Chair: Phil DeCola)**

- 9:00 Introduction to the Subnational/City-Scale Objective: The role of the cities in the global agenda
- Beatriz Cardenas, Secretaría Del Medio Ambiente (SEDEMA) - Mexico City - via teleconference
  - Angel Hsu, Yale University in Singapore
- 9:30 Roundtable with the Subnational/City-Scale Stakeholders: Where are the uncertainties and how we can improve them? (Moderator: Felix Vogel, Environment and Climate Change Canada (ECCC))
- John Lin, University of Utah (UU) - Salt Lake City
  - Paulo Barros, Agência Estadual de Meio Ambiente - CPRH
  - Yann Françoise, Head of the Climate Division of Paris
  - Shanju Xie, Research & Evaluation Unit (RIMU) Auckland Council
  - Cesar Carreño, International Council for Local Environmental Initiatives (ICLEI) - Local Governments for Sustainability
  - Elsa Martayan, Global Urban Air Pollution Observatory (GUAPO)
- 10:50 **Coffee break**

- 11:10 Presentations from the Scientific Community: What solutions can IG<sup>3</sup>IS provide to subnational/city stakeholders? (Chair: Phil DeCola)
- Felix Vogel, Environment and Climate Change Canada (ECCC)
  - Kevin Gurney, Northern Arizona University (NAU)
  - Jocelyn Turnbull, GNS Science
  - Michael Ramonet, Institut Pierre Simon Laplace (IPSL)
  - Fouzi Benkhelifa & Sarah Dubreil, SUEZ - Paris
  - Ning Zeng, University of Maryland - via teleconference
- 12:25 Open Discussion: Do the available solutions meet the stakeholders' needs on the city scale? (led by Felix Vogel, Environment and Climate Change Canada (ECCC))
- 13:00 **Lunch break**

**Session 4: IG<sup>3</sup>IS' Industrial and Private Sector Objective (Chair: Kevin Gurney)**

- 14:00 Introduction to the Industrial/Private Sector Objective: The role of the business in the global agenda
- Rasmus Valanko, World Business Council for Sustainable Development (WBCSD)
  - Simon Henry, International Emissions Trading Association (IETA)
- 14:30 Roundtable with the Industrial/Private Sector Stakeholders: Where are the uncertainties and how we can improve them? (Moderator: Daniel Zavala, Environmental Defense Fund (EDF))
- Stephan Plisson-Saune, Oil and Gas Climate Initiative (OGCI)
  - Matthew Bateson, Rio Tinto & International Emissions Trading Association (IETA) Board

- Valentin Foltescu, Climate and Clean Air Coalition (CCAC)
- Christopher Konek, United Nations Environment Programme (UNEP) Oil and Gas Methane Science Studies

15:50 **Coffee break**

16:10 Presentations from the Scientific Community: What solutions can IG<sup>3</sup>IS provide to industrial and private sector stakeholders? (Chair: Oksana Tarasova)

- Daniel Zavala, Environmental Defense Fund (EDF)
- Stefan Schwietzke, Environmental Defense Fund (EDF)
- Phil DeCola, IG<sup>3</sup>IS
- Thomas Röckmann, Utrecht University (UU)
- Jorn Herner, California Air Resources Board (CARB)

17:25 Open Discussion: Do the available solutions meet the stakeholders' needs on the industrial and private sector scale? (led by Daniel Zavala, Environmental Defense Fund (EDF))

19:00 **Social Dinner (self-paid)**  
until  
21:00

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## Thursday 15 November

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### **Session 5: IG<sup>3</sup>IS in the Broader Context and the Challenges it Faces (Chair: Felix Vogel)**

- 9:00 Roundtable on Innovative Financing: (Moderator: Lars Peter, World Meteorological Organization (WMO))
- Fouzi Benkhelifa & Sarah Dubreil, SUEZ - Paris
  - Careen Abb, United Nations Environment Programme (UNEP) Fi Positive Finance
  - Daniel Kull, World Bank
  - Joseph Intsiful, Green Climate Fund (GCF) - via teleconference
  - Robert A. Varley, World Meteorological Organization (WMO) - via teleconference
- 10:30 **Coffee break**
- 10:50 Research Challenges: Outcomes of the IG<sup>3</sup>IS/TRANSCOM inverse modelling workshop
- Sander Houweling, Vrije Universiteit (VU)
  - Thomas Lauvaux, Laboratoire des Sciences du Climat et de l'Environnement (LSCE)

- 11:20      Research Challenges: Attribution and Support for Paris Agreement Global Stocktake
- Philippe Ciais, Laboratoire des Sciences du Climat et de l'Environnement (LSCE)
  - Prabir Patra, Japan Marine Science and Technology Center (JAMSTEC)
- 11:50      Multi-benefits: Connection to air quality
- Guy Brasseur, Max-Planck-Institut für Meteorologie (MPIMET)
- 12:05      Adaptation: Connection to the climate services
- Roberta Boscolo, World Meteorological Organization (WMO)
- 12:20      Open Discussion: How do we upscale? (Moderator: Phil DeCola, IG<sup>3</sup>IS)
- 13:00      **Lunch break**
- 14:00      Mixed Open Discussion: What is the best strategy and path moving forward? (Moderator: Phil DeCola, IG<sup>3</sup>IS)
- Philippe Ciais, Laboratoire des Sciences du Climat et de l'Environnement (LSCE)
  - José Romero, Bundesamt für Umwelt (BAFU)
  - Simon Henry, International Emissions Trading Association (IETA)
  - Jocelyn Turnbull, GNS Science
  - Felix Vogel, Environment and Climate Change Canada (ECCC)
  - Daniel Zavala, Environmental Defense Fund (EDF)
- 15:30      **Coffee break**



15:50            Planning of the 2019 Activities and Update of the IG<sup>3</sup>IS Science Implementation  
until            Plan  
18:00

- Phil DeCola, IG<sup>3</sup>IS
- Emily Upton, IG<sup>3</sup>IS