

10th ESPI Autumn Conference

“Space for Sustainable Development”

Guide to Speakers

15 – 16 September 2016
ESPI, Vienna

Supported by:



Opening

Opening remarks

[Jean-Jacques Tortora, Director, ESPI](#)

Keynote Speech

[Vittorio Prodi](#)
[Professor, University of Bologna](#)

Degree (laurea) in Physics, Dec. 1959, Fellowship of the IAEA at Argonne National Lab., Argonne, Ill., Assistant and Professor at the Physics Institute of the University of Bologna. Subjects of research were: Nuclear Physics, Radiation Protection, and specifically the physical mechanisms of aerosol particles deposition in the lungs, thus contributing to the standards of aerosol deposition PM 10 and PM 2,5. Elected President of the Province of Bologna from 1995 to 2004 (with particular interest on organisation and care of the territory). Elected to the European Parliament in 2004 and reelected in 2009. In these 10 years was a member (full and substitute) of the ENVI (environment, public health and food safety) and ITRE (Industry research and energy) committees, aiming at understanding the Energy and Environment system. President of the interinstitutional group Sky & Space with specific interests into the satellite observation of the Earth. Speaker of the funding legislation of Copernicus Constellation. At present Vittorio Prodi has a personal engagement on the synergy between biomass exploitation through gassification and climate change adaptation.

Session 1: Space as an Enabler

Topic & Speakers

Chair:

Jean-Jaques Tortora
Director
European Space Policy Institute



Jean-Jacques Tortora has been Director of ESPI since June 2016. Before this, he served as the Secretary General of ASD-Eurospace. From 2004 to mid 2007, he was head of the French Space Agency (CNES) office in North America and the Attaché for Space and Aeronautics at the Embassy of France in Washington, D.C. Previously he was Deputy Director for Strategy and Programs, responsible for the Industrial Strategy of CNES, the French Space Agency. Prior to that position, he was France's representative in the ESA Industrial Policy Committee and Joint Communication Board. From 1998 to 2000, Mr. Tortora was adviser to the French Ministry of Research for Industrial Policy Funds management, aiming at industry competitiveness support and new space applications and services development and promotion. Mr. Tortora started his career in 1984 at the French military procurement agency, DGA, as a naval weapons integration and test engineer, expert in signal processing and warships acoustic discretion.

Rapporteur:

Elisabeth Veit
Junior Researcher,
European Space Policy Institute



Elisabeth Veit holds a Master of Advanced International Studies from the Diplomatic Academy of Vienna, and a BA in History from Emmanuel College, Cambridge. Since 2015, she has been conducting research on space policy and sustainable development at the European Space Policy Institute. Before this, she was with the Permanent Representation of Afghanistan in Vienna and coordinated implementation of public health initiatives for secondary schools in Malawi.

The Challenges in Development and the Role of Space

Justin Loiseau
Senior Policy Associate,
Massachusetts Institute of Technology (MIT)
J-PAL Global



Justin Loiseau is a Senior Policy Associate at J-PAL, where he supports J-PAL's Crime and Finance sectors and is the lead regional liaison to the Africa office. As a member of the policy group, Justin works with NGOs, foundations, governments, and others to cultivate research partnerships and ensure that program and policy decision-making is informed by scientific evidence. He is the author of J-PAL publications on microcredit and early childhood stimulation. Justin holds an M.A. in Economics from the University of Auckland and dual B.A.'s in Economics and Environmental Studies from the University of North Carolina at Chapel Hill.

Jennifer Frankel-Reed
Senior Climate Change Specialist,
US Agency for International Development



Jennifer Frankel-Reed is a Senior Climate Change Specialist at the US Agency for International Development, where she provides technical assistance on climate change adaptation to USAID's regional and country missions and coordinates the USAID and NASA SERVIR programme. She has been a climate change consultant for leading international organisations including IRG, GIZ, GEF and the United Nations Development Programme in the United States and abroad. Jennifer holds an MEM in Global Change Science and Policy from Yale University and a BS in Environmental Science from Willamette University.

The Different Development Assistance Models and Space

The different models & the Sustainable Development Goals

Petra Dannecker

Head of Department Development Studies,
University of Vienna



Petra Dannecker is Head of the Department of Development Studies at the University of Vienna. She did her PhD in Sociology (Bielefeld University, Germany) where she was until 2007 Assistant Professor and Lecturer. Then she joined the German Development Institute in Bonn as a Senior Research Fellow responsible for coordinating research and knowledge transfer between the Federal Ministry for Economic Cooperation and Development (BMZ) and scientific communities focusing on development research in Germany. In October 2008 she became Visiting Professor for Global Studies and Development Sociology at the Department of Sociology at the University of Vienna and in 2011 Full Professor for Development Sociology. She is working on issues related to development sociology, development politics, globalization and migration processes and gender focusing regionally on South and Southeast Asia.

Governmental Implementation

B.S. Bhatia

Programme Director Space Education, Vikram A Sarabhai Community Science Centre,
Ahmedabad.

Former Director of Development and Educational Communication Unit (DECU), Indian Space
Research Organisation (ISRO)



Born in 1944, Sri Bhupendra Singh Bhatia has held numerous key positions in the Indian Space Research Organization between 1971 and 2007. This has included working as Director of the Development and Educational Communication Unit (DECU), and as Project Director for EDUSAT, the first dedicated "Educational Satellite" that provided satellite based two way communication to class rooms for delivering educational materials in India. He has also been a consistent and passionate supporter of tele-medicine projects in India, which have helped to connect over a hundred rural medical centres to urban specialty centres. Among other things, he currently serves as Programme Director Space Education at the Vikram A. Sarabhai Community Science Centre, Ahmedabad.

The European Approach

Didier Lenoir

Head of European Union Delegation to the
International Organisations in Vienna,
European External Action Service (EEAS)



Didier Lenoir studied History and Political Science, graduating with a BA in History from the "Institut d'étude politique de Paris" in 1984. He joined the Navy in 1984 and held various positions in France and abroad until he was selected to join the war college French Joint Staff in charge of multilateral issues in 1996. Lenoir joined the French Permanent Representation to NATO in 1998 and was in charge of financial issues as well as "civil emergency planning". He left active service in 2001 to join the General Secretariat of the Council of the European Union, where he held various posts in the field of crisis management and security related issues. He was also in charge of developing relations with EU's partners in crisis management (UN, UNODC, OSCE). As acting director of the Crisis Management and planning Directorate, he was in charge of the oversight of the EU Satellite Centre. He was Special advisor of the managing Director for Europe and Central Asia in the European External Action Service and is now Head of the Delegation of the European Union to the International Organisations in Vienna.

Session 2: Sustainable Development and Space

Topic & Speakers

Chair:

Luc St-Pierre
Chief of the Space Applications Section,
UNOOSA



Luc St-Pierre (M.Sc. Geography, University of Sherbrooke, Canada and M.Sc. Environmental Economics, Wye Imperial College, University of London) is a Geographer born in Québec, Canada. He worked at developing geographic information systems for the management of the environment and natural resources in Africa, Asia and Latin America in the 1990's before joining the United Nations in 2000. He first helped develop datasets and GISs for the UN Environment Programme (UNEP) in its work to protect marine biodiversity in the Caribbean Sea and control marine pollution. Between 2005 and 2012 he strengthened the mapping, remote sensing and GIS capabilities of the UN High Commissioner for Refugees (UNHCR) to improve the support and assistance during humanitarian crisis. He joined the UN Office for Outer Space Affairs (UNOOSA) in 2012 to supervise the United Nations Platform for Space-based Information for Disaster Management and Emergency Response (UN-SPIDER) and is Chief of the Space Applications Section of UNOOSA since April 2016.

Rapporteur:

Stefano Ferretti
Research Fellow,
European Space Policy Institute



Dr. Stefano Ferretti is an ESA Space Policy Officer, seconded to the European Space Policy Institute, where he manages the research "Space for sustainable development". Before he worked as Energy and Infrastructure Manager at ESA/ESRIN, as ISS project manager at ESA/ESTEC and at Thales Alenia Space. He received the International Astronautical Federation Napolitano Award, he holds a PhD and a Master in Mechanical Engineering from the University of Bologna, a Master of Space Studies from the International Space University, and he studied space policy and law, innovation, entrepreneurship, and leadership, at George Washington University and at MIT.

Keynote speech: Space and the 2030 Agenda for Sustainable Development

Simonetta di Pippo, Director UNOOSA



Simonetta Di Pippo is the Director of the United Nations Office for Outer Space Affairs (UNOOSA), which is mandated to enhance international cooperation in space activities to promote their use for humanity. Prior to joining UNOOSA in 2014, she was Head of the European Space Policy Observatory at Agenzia Spaziale Italiana (ASI) in Brussels. Ms. Di Pippo also served as Director of Human Spaceflight of the European Space Agency from 2008 to 2011, and Director of the Observation of the Universe at ASI from 2002 to 2008, where she started her career in 1986. She has been an Academician of the International Academy of Astronautics (IAA) since 2013, and since 2016 a member of the IAA Board of Trustees. Ms Di Pippo holds a Master's Degree in Astrophysics and Space Physics from University "La Sapienza" in Rome and an Honoris Causa Degree in Environmental Studies from the St. John University in Vinovo. Ms. Di Pippo was knighted by the President of the Italian Republic in 2006. In 2008, the International Astronomical Union named asteroid 21887 "Dipippo" in honour of her contribution to this field.

Embedding Space in Developing Countries' Strategies

Mahama Ouedraogo

Head of division science and technology,
Chair Space Policy African Union Commission

Mahama Ouedraogo holds a PhD in plant breeding from Texas A&M University. He served as acting Director of the Semi-Arid Food Grain Research and Development and Executive Secretary of the African Union Scientific Technical and Research Commission. He is currently the head of science and Technology Division and Acting Director of the Department of Human Resources, Science and Technology (HRST), of the African Union Commission. In these capacities he oversees the implementation of various African Union decisions on Science and Technology, including the Science Technology and Innovation strategy for Africa (STISA-2024); the African Space Policy and Strategy, and the Pan African University.



NGOs – the *On-the-Ground* Perspective

Andreas Papp

International Director,
SOS Children Villages

Andreas Papp was appointed International Director of Emergency Response at SOS Children's Villages International (SOS-CVI) in March 2015. His professional engagement for humanitarian aid began with Médecins Sans Frontières (MSF) in 2004, where he worked as Logistics Administrator and later coordinated missions in complex emergency settings. He then served as MSF-Austria's Delegate & Programme Director, where his tasks included the initiation and implementation of space technology projects to support field operations. In his current position at SOS-CVI, Andreas Papp oversees emergency response activities in more than two dozen countries, fostering emergency response capacity building through the use of new technologies.



Edith Rogenhofer

Médecins Sans Frontières (MSF)

Edith Rogenhofer started to work in the humanitarian field in 1991 and is working since 1998 with MSF. She has mainly worked in projects in Africa, with a few stints in Afghanistan, Pakistan, Bangladesh and Myanmar. The majority of the projects have been projects in complex emergencies, focusing on water supply and sanitation in camp settings and rural areas. She holds an MSc in Water management as well as a diploma in drilling. She is contracted since 2011 by MSF-Austria as WatSan consultant in the Delegate and Programme Department with the specific task to develop and integrate GIS applications in MSFs work and to liaise with the projects. Within the EO4HumEn project Edith is coordinating the work related to user requirements and user validation.



Space Agencies' perspective on Space for Sustainable Development

Josef Aschbacher

Director Earth Observation,
European Space Agency (ESA)

Josef Aschbacher is the ESA Director of Earth Observation Programmes and Head of ESRIN, ESA's centre for Earth Observation, located in Frascati, Rome. Born in Austria, he studied at the University of Innsbruck, graduating with a Master and a Doctoral Degree in Natural Sciences. His professional career in ESA began in 1990 as a Young Graduate at ESRIN. From 1991-1993 he was seconded as ESA Representative to Southeast Asia to the Asian Institute of Technology in Bangkok, Thailand. From 1994 - 2001 he was the Scientific Assistant to the Director of the Space Applications Institute at the European Commission Joint Research Centre, Ispra, Italy. He returned to ESA HQ (Paris) in 2001 as Programme Coordinator, primarily responsible for advancing Copernicus activities within ESA. In 2006, he was nominated Head of the Copernicus Space Office, leading all activities for Copernicus within the Agency and with external partners, in particular the European Commission. In 2014, he was promoted to Head of Programme Planning and Coordination, where he was responsible for planning ESA's Earth Observation programmes and for formulating and implementing programmatic and strategic decisions across the Directorate.



Session 3: Financial and Non-Financial Aspects of Sustainable Development

Topic & Speakers

Chair:

Alfredo Roma
Advisory Council
European Space Policy Institute



Alfredo Roma is an economist now consultant for the aerospace industry. He is member of the Advisory Council of ESPI (European Space Policy Institute) in Vienna. He has been member of the RPAS Steering Committee, created by the European Commission for the integration of civil drones in to the common airspace and co-ordinator of the group of experts on social impact. He has been National Coordinator for the Galileo Project at the Italian Prime Minister Cabinet and Italian Delegate at European Space Agency. From September 1998 to July 2003 he has been Chairman of ENAC, the Italian Civil Aviation Authority and from June 2000 to July 2003 also President of ECAC (European Civil Aviation Conference). He was member of the High Level Group formed by Mme Loyola De Palacio, Vice-president of the European Commission, for the Single Sky project. From 1992 to 1998 he has been Managing Director and CEO of Agenzia ANSA – Rome. From 1975 to 1992 he has been untenured professor of business finance, Faculty of Economics, University of Modena.

Rapporteur

Alessandra Vernile
Research Fellow
European Space Policy Institute



Alessandra Vernile is Resident Fellow at European Space Policy Institute (ESPI) since May 2016 with a fellowship from the Italian Space Agency (ASI) and the Italian Society for International Organization. Previously she worked as Intern at Strategy Department at European Space Agency HQ in Paris and as Event Manager at NATO Defence College Foundation in Rome. MA in International Relations at LUMSA University, in Rome. In 2014 she attended a Master in Economic Security, Geopolitics and Intelligence at SIOI and in 2015 she got as fellowship-student a Master in Institutions and Space Policy at SIOI, in Rome.

Emerging Approaches in Development Efforts

Yun Zhao
Director
Centre for Chinese Law, Hong Kong



The University of Hong Kong

Prof. ZHAO Yun is Professor and Head of Department of Law at the University of Hong Kong; PhD (Erasmus University Rotterdam); LLM (Leiden University); LLM & LLB (China University of Political Science and Law). He is also Director for the Center for Chinese Law. Prof. Zhao is Chen An Chair Professor in International Law at Xiamen University (2015), Siyuan Scholar Chair Professor at Shanghai University of Foreign Trade (2012-14). He is listed as arbitrator in several international arbitration commissions.

International Financial Institutions in Space

Edward Anderson

Senior Technology and Innovation Specialist, World Bank

Edward Anderson is a Senior Technology and Innovation Policy Specialist at the World Bank's Global ICT unit based in Dar es Salaam, Tanzania. His work is in supporting the government's Open Data Initiative and is responsible for designing government modernization projects in UAV mapping, citizen data, geospatial applications and smart sensors. Edward also participates on the advisory boards of City SDK, Code for Europe and European Space Agency's Open Science Committee and EU's Drones in Humanitarian Action Expert Working Group. Prior to joining the Bank he worked in disaster risk management at the InterAmerican Development Bank, the European Space Agency's Science and Applications Directorate, UN Office for Outer Space Affairs Space and founded a start-up company on epidemic early warning systems in Kenya. He holds Master's degrees in both aerospace engineering and international economics.



WORLD BANK

The Private Actors

Jean-François Bureau

Director of Institutional & International Affairs,
Eutelsat



Jean-François Bureau, a graduate of the Institut d'Etudes politiques de Paris, began his career in the private office of France's Ministry of Defence where he was technical advisor from 1983 to 1985. He subsequently carried out various responsibilities at the Ministry of the Interior, including as sub-prefect and civil administrator from 1985 to 1991. From 1991 to 1994 he worked in the secretariat-general of the Presidency of the French Republic, and from 1994 to 1998 was a rapporteur at France's Court of Auditors (Cour des Comptes). In 1998, Jean-François Bureau set up the Communications and Information Delegation at France's Ministry of Defence, which he managed until 2007, in addition to acting as spokesman. From 2007 to 2010, he was NATO Assistant Secretary General, in charge of public diplomacy. He was a General Controller at France's Ministry of Defence from July 2010. From October 2011 is the Director of Institutional & International Affairs in EUTELSAT.

Dara Dotz

Co-Founder,
Field Ready



FIELD READY

Dara holds a BS in Industrial Design with a minor in International Business from MSCD. Dara combines her design strategy experience and rapid ethnographic assessment to empower others through technology. With a focus on disrupting supply chains and "making" in austere environments she has co-founded Field Ready, focusing in on-demand manufacturing in post Disaster Zones. Recently in Haiti, Field Ready brought 3D printers to teach locals how to make needed medical supplies and replacement parts for rural clinics. In the Bay Area, Dara also works as Human Factors Lead for Made In Space, Inc., a company that built and operates the first gravity-independent 3D printer on the International Space Station. In her free time Dara flies drones and is attempting to break the space time continuum. Dara believes that 3D printing in space is just the beginning.

Christine Leurquin

Vice President of Institutional Relations,
SES S.A.



Christine Leurquin is VP, Institutional Relations and Communications at SES S.A. Positioning the Company within the European Union and other European institutions, such as European Union, ESA or OECD. She regards regulations, provides political support, and engages in setting-up research and Development and institutional projects. She follows the European Institutions' political issues and debates of interest to her company, especially those concerning the crisis management, satellite broadband and mobile multimedia sector. She is a Steering Board member of the Networld2020 and the 5G IA Association. She is also the key person in the company as regards the GNSS projects such as Galileo and Egnos. She has 30 years of experience in the satellite telecommunications field in Europe. In her previous position, she was the CEO of a company which she started and which introduced new satellite services in Belgium. She turned it into a successful and profitable business. With her ability to speak various languages, Mrs Leurquin has been able to market in the areas that services are not yet established and she provides SES with that extra incentive to attaining clients in the regions.

Andrew Zolli
Strategic Advisor,
Planet Labs

Andrew Zolli oversees the global social, climate, environmental and humanitarian portfolio of Planet Labs, a breakthrough global sensing company that is deploying the largest constellation of Earth-observing satellites in human history. Andrew is also the author of *Resilience: Why Things Bounce Back*, and writes and speaks widely on issues of resilience, complexity and systems-leadership and transformation. He is the former Curator and Executive Director of PopTech, and advises a range of social enterprises, companies, governments and institutions. He is a Board member of several leading enterprises, including the Garrison Institute, which explores the intersection between contemplative practice and engaged social change.

