



UN/Austria Symposium “Space Applications for Sustainable Development Goal 13: Climate Action”

1-3 September 2020

Online event via WebEx - All times are in Central European Summer Time (CEST)

Programme at a glance - **updated 30 August**

	1 September 2020	2 September 2020	3 September 2020
Morning	Introduction Welcome ceremony Keynote presentation Session 1: Climate Action	Session 2: Energy and natural resources Project pitch Keynote presentation	Keynote presentation Panel 2: International cooperation and best practices for Climate Action Conclusion
Break	Break (60 mn)	Break (50 mn)	
Afternoon	Project pitch Panel 1: General principles of international environmental law and space activities Project pitch	Session 3: Agriculture and forestry Project pitch Session 4: Urban planning and disaster management	

The event is structured with three types of interventions:

1. Sessions, where each presentation is followed by a Questions & Answers session with the audience
2. Panels, where each panelist presents their perspective, followed by a debate between panelists and Questions & Answers with the audience
3. Project Pitches, where the presenter will present their project concisely



Programme - STATUS 30 August 2020

Day 1: Tuesday, 1 September 2020 (Central European Summer Time)

9:50	WebEx connection opens	
10:00	Introduction	
Welcome and housekeeping		
10:05	Welcome ceremony	
<i>Moderators: Otto Koudelka (Technical University Graz) and Irmgard Marboe (University of Vienna)</i>		
Gabriella Sellner	Federal Ministry European and International Affairs, Austria	
Margit Mischkulnig	Federal Ministry Climate Action, Environment, Energy, Mobility, Innovation and Technology (BMK), Austria	
Heinz Mayer	Joanneum Research, Austria	
Hans-Martin Steiner	Austrospace	
Stephan Mayer	Austrian Research Promotion Agency (FFG)	
Siegfried Nagl	Mayor of the City of Graz	
Luc St Pierre	United Nations Office for Outer Space Affairs	
10:45	Keynote presentation	
Three decades of Earth observation for climate monitoring - what has been achieved, what challenges are next?	Josef Aschbacher	European Space Agency
11:15	Break (15mn)	
11:30	Session 1: Climate Action	
<i>Chair</i>	Nathalie Ricard	United Nations Office for Outer Space Affairs
<i>Chat moderator</i>	Luc St Pierre	United Nations Office for Outer Space Affairs
Space-based observation support for the Paris Agreement	Joanna Post	United Nations Framework Convention on Climate Change
User-centric satellite solutions for effective climate actions	Annalisa Donati	EURISY
Free data policy and environmental regulations: urgency for climate change action	Marcia Alvarenga dos Santos	National Institute for Space Research (INPE), Brazil
Climate change in Indonesia's new developmentalism	Yunita Permatasari	National Institute of Aeronautics and Space LAPAN, Indonesia
12:50	Break (70mn)	
14:00	Project pitch	
Developing a dengue outbreak prediction model in a smart city platform	Ana Cristina Galhego Rosa	Dipteron, Germany
14:05	Panel 1: General principles of international environmental law and space activities	
<i>Chair</i>	Yvonne Karimi-Schmidt	University of Graz, Austria
<i>Chat moderators</i>	Irmgard Marboe and Cordula Steinkogler	University of Vienna, Austria
Panelists	Niklas Hedman	United Nations Office for Outer Space Affairs
	Sergio Marchisio	Sapienza University of Rome, Italy and ECSSL
	Eva Schulev-Steindl	Karl-Franzens-Universität Graz, Austria
	Jonathan Lim	Jus Ad Astra, Australia



15:45	Project pitch	
Space technologies closing the loop for food systems on Earth	Lee Recht	Aleph Farms, Israel
16:00	Wrap-up & adjourn	

Day 2: Wednesday, 2 September 2020 (Central European Summer Time)

9:50	WebEx connection opens	
10:00	Welcome	
10:05	Session 2: Energy and natural resources	
<i>Chair</i>	Nina Kickingger	United Nations Office for Outer Space Affairs - Space4Water Portal
<i>Chat moderator</i>	Nathalie Ricard	United Nations Office for Outer Space Affairs
The role of microsatellites in reducing industrial methane emissions	Adina Gillespie	GHGSat, Canada
Space assets for mapping of mineral resources on the seabed	João Carvalho	ISQ, Portugal
Using satellite data to empower communities in low-infrastructure regions	Celia Davies	Omanos Analytics, UK
11:15	Project pitch	
Using space technology to combat the role of microplastics in climate change	Funmilola Adebisi Oluwafemi	National Space Research and Development Agency (NASRDA), Nigeria
11:20	Break (15mn)	
Assessing geo-hazard vulnerability of urban areas using satellite data	Pablo Ezquerro Martín	Spanish Geological Survey
11:40	Keynote presentation	
She-Space international: facilitating access to academic space education and state of the art technologies	Shimrit Maman	EPIF, Ben-Gurion University of Negev, Israel
12:10	Break (50mn)	
13:00	Session 3: Agriculture and forestry	
<i>Chair</i>	Shirishkumar Ravan	United Nations Office for Outer Space Affairs
<i>Chat moderator</i>	Otto Koudelka	Technical University of Graz, Austria
Earth Observation for agriculture	Clement Atzberger	University of Natural Resources and Life Sciences (BOKU), Vienna, Austria
Converging space technology and local community to combat desertification	Kavya Kamepalli	International Institute of Aerospace Engineering and Management, Jain University, India
Farm sustainability tool for nutrients	Luigi Scatteia	PwC, France
Monitoring of forest health	Matthias Schardt	Joanneum Research, Austria
14:20	Project pitch	
Space-based assessment of climate change impacts: increasing urban resilience in African cities	Elisabeth Bergler	Regional Academy of the United Nations / Alpen Adria University



UNITED NATIONS
Office for Outer Space Affairs

14:25	Break (15mn)	
14:40	Session 4: Urban planning and disaster management	
<i>Chair</i>	Coen Bussink	United Nations Office for Outer Space Affairs - United Nations Platform for Space-based Information for Disaster management and Emergency Response
<i>Chat moderator</i>	Luc St Pierre	United Nations Office for Outer Space Affairs
Disaster risk management 2.0: why linking new data sources makes a difference	Markus Enenkel	Perigee, Austria / Harvard Humanitarian Initiative
Assessment of coastal erosion vulnerability using integrated remote sensing and GIS methods	Komali Kantamaneni	Solent University, UK
Sentinel-1 for fully-automatic monitoring of floods	Bernhard Bauer-Marschallinger	Technical University of Vienna, Austria
Satellite data for flood prevention in São Paulo	Francisco Campos da Costa	Catholic University of Santos, Brazil
16:15	Wrap-up & adjourn	

Day 3: Thursday, 3 September 2020 (Central European Summer Time)

9:50	WebEx connection opens	
10:00	Welcome	
10:05	Keynote presentation	
Space & International cooperation as critical tools for a better future	Simonetta Di Pippo	United Nations Office for Outer Space Affairs
10:35	Panel 2: International cooperation and best practices for Climate Action	
<i>Chair</i>	Markus Woltran	United Nations Office for Outer Space Affairs
<i>Chat moderators</i>	Irmgard Marboe and Cordula Steinkogler	University of Vienna, Austria
<i>Panelists</i>	Christoph Aubrecht	World Bank / European Space Agency
	Frederic Bretar	French Space Agency (CNES)
	Emmanuel Pajot	European Association of Remote Sensing Companies (EARSC)
	Lori Garver	Earthrise, USA
	Eri Nakajima	Ministry of the Environment, Japan
11:45	Conclusion	
Nathalie Ricard and Luc St Pierre (United Nations Office for Outer Space Affairs); Otto Koudelka (Technical University Graz) and Irmgard Marboe (University of Vienna)		
12:00	Close	