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GLASGOW

COP26

IN PARTNERSHIP WITH ITALY



Earth Information for Climate Action – Perspectives from the UK Presidency

COP26 Earth Information Presidency half-day event

DATE: Wednesday, 3 November 2021

TIME: 15:15 – 17:30 (in person), 17:30 – 18:30 (virtual poster session)

LOCATION: The Scottish Event Campus (SEC), Glasgow

ROOM: Pen Y Fan Plenary Room

About this event

The UNFCCC invited the UK Presidency to host an event on Earth Observations. This presidency-led Earth information half day offers the UK an opportunity to illustrate to a global audience how Earth observation science can be used to tackle climate change and enable climate action.

Introducing this session

The purpose of this event is to:

1. Provide a space to highlight the importance of EO as an invaluable tool for climate action. EO is an information source as well as a vehicle for solutions, underpinning much work around climate change, adaptation, mitigation, and mobilising finance.
2. Support progress on mitigation by highlighting how EO can be used to improve reporting, tracking and measuring of sectoral, regional, and national GHG emissions and increase accuracy/coverage. This includes international collaboration work that has been done using EO to place mitigation efforts.
3. Support adaptation efforts by highlighting how EO can be used to measure and track adaptation progress and support decision making.
4. Showcase how public and private sector collaborations, nationally and internationally are using EO to deliver solutions to climate change.

Event Choreography

Time	Activity	Description
15:10 – 15:20	Speakers and audience enter	
15:25 – 15:30	Introduction from Chair <i>Professor Gideon Henderson (Chief Scientific Advisor at DEFRA)</i>	Brief introduction on the objectives of the presidency-led earth information half day.
15:30 – 16:20	Session 1: Presentations	This session is the science focused session, where attendees will hear from researchers and scientists who will discuss projects/examples of earth observations being used in climate mitigation and/or adaptation.
8 minutes	Presentation 1 <i>Professor Paul Palmer (University of Edinburgh) and Francois-Marie Breon (CEA)</i>	MicroCarb Mission A look at climate missions for the future and the role of MicroCarb to retain records of carbon through the 2020s.
8 minutes	Presentation 2 <i>Fehr Thorsten (European Space Agency)</i>	TRUTHS mission An overview of a climate mission led by the UK Space Agency (UKSA), which will be delivered by the European Space Agency (ESA) to enable in-flight calibration of Earth observation (EO) satellite.

8 minutes	<p>Presentation 3</p> <p><i>Professor John Remedios (NCEO)</i></p>	<p>Climate Mitigation: Case studies from the IPP</p> <p>An overview on UK Science for mitigation using satellite data.</p>
8 minutes	<p>Presentation 4</p> <p><i>Dr Marie Fanny-Racault (Plymouth Marine Laboratory)</i></p>	<p>Climate Adaptations: Oceans and coastal management</p> <p>A two-part presentation on adaptation, focusing on ocean tracking using EO and the role of EO for public health (case study on cholera risk in coastal regions).</p>
8 minutes	<p>Presentation 5</p> <p><i>Dr Qingling Wu (UCL) and Professor Phillip Lewis (NCEO, UCL)</i></p>	<p>Adaptation and Mitigation: Applications for Food Security</p> <p>An overview of how EO can be used in land management with case studies looking at using EO data for monitoring and predicting crop yield and sustainable crop management.</p>
16:20 – 16:30	<p>Audience Q&A</p>	<p>The Chair will choose audience members who raise their hand with a question for the presenters.</p>
16:30 – 16:35	<p>Remarks from the Chair</p> <p><i>Professor Gideon Henderson, Chief Scientific Advisor DEFRA</i></p>	<p>The Chair will introduce the second session of the event.</p>
16:35 – 17:05	<p>Session 2: Panel Discussion</p> <p><i>Panel Moderator: Professor Paul Monks, Chief Scientific Advisor, BEIS</i></p>	<p>International collaboration & EO applications. This session will move from the first session which looks at the scientific specifics, to focus on the bigger picture, opportunities, and future applications of EO.</p> <p>Each speaker will give a 3-minutes introduction to their work, followed by a series of questions.</p>

Panellists:

Paul Bate (UKSA)

*Professor Iain
Woodhouse (University
of Edinburgh and Earth
Blox)*

Steven Ramage (GEO)

*Susanne Macklenburg
(ESA)*

*Jacqueline Parker (EO4
cultivar project)*

17:05 - 17:15	Audience Q&A	The Chair will choose audience members who raise their hand with a question for the panellists.
17:15 – 17:25	Video presentation	Space for Earth and Climate Change: Public Value in a Risk Society.
17:25 – 17:30	Closing remarks from Chair	
17:30 – 18:30	Virtual Poster Session	Online poster session on GatherTown: https://cop26platform.unfccc.int/cop26/page/postergallery
