

#EUSpace 

EU SPACE WEEK 2023

7 - 9 November - Sevilla, Spain

User Consultation Platform 2023 Introduction

Climate, Environment & Biodiversity

7 November 2023



Welcome to the Climate, Environment & Biodiversity session

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*The **User Consultation Platform (UCP)** is a forum for users of space data and services to express their needs, share best practices and present case studies.*

***Session objectives:** collect user needs and requirements relevant for: Earth Observation (EO), Global Navigation Satellite System (GNSS), as well as Secure Satellite Telecommunication (SatCom).*

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Agenda: general introduction

10:10 – 10:20 **Overview of the Climate, Environmental & Biodiversity segment**

10:20 – 11:00 **Copernicus for Environmental monitoring**

CLMS data and services (EEA, Joanna Balasis-Levinsen) & Global land cover product (JRC, Simone Balbo in remote)

C3S/CAMS data and services (ECMWF, Stijn Vermoote and Samuel Almond)

Mercator Ocean data and services: (Mercator, Muriel Lux)

Agenda: applications

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11.00– 11.30 **Biodiversity: wildlife and habitat monitoring**

- Satellite technologies to monitor ocean environment and wildlife on Earth (CLS, Fabien Lefevre)
- Satellite Imagery and its role in Global Biodiversity Monitoring and Conservation (Vizzuality, Mike Harfoot)
- BirdWatch - A Copernicus-based service for farmland birds habitat monitoring (LUP Umwelt, Nastasja Scholz)

11.45– 12.20 **Climate risks: EO to measure new risks**

- Earth Observation for climate action (Lobelia, Isadora Jiménez)
- EO data for climate risks indicators (Weathertrade, Elena Maksimovitch)
- Ready to use EO based indicators for decision making for Insurance and Utilities market (Earthpulse, Laura Moreno Patricio)
- The user perspective (BBVA, Jose Angel Canizares)

12.35– 13.05 **Corporate sustainability: ESG reporting and indicators**

- EO applications for measuring Science Based Targets (Satelligence, Nanne Tolsma)
- Solving the Carbon Credit Conundrum: Geospatial AI for Project Permanence in Nature Finance (SustGlobal, Josh Gilbert)
- New tools for ESG reporting: from carbon accounting to carbon measurement (GHGSAT, Carles Debart)

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The session working

- Time is the essence!



- Your hosts:



Leila Ajjabou



Veronika Strnadova



Ana Melendez



Marc Leminh

- We expect and encourage interactions with the audience and the remote attendance

A new EU Space Programme

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EU space activities **under one umbrella**



EGNOS

EGNOS “Makes navigation signals more accurate and trustable for Safety-critical applications”
Operational in **400+ airports** & helipads in 23 countries



Galileo

Global satellite navigation and positioning system (GNSS)
More than 3 billion Galileo receivers worldwide



Copernicus

Earth Observation (EO) and monitoring based on satellite & non-space data
Nr.1 world provider of space data and information (>20TB/day)



GOVSATCOM

Secure satellite communications for EU governmental actors
Rapid support over crisis areas




Space Situational Awareness (SSA)

Space Surveillance and Tracking (SST)
Space Weather Events (SWE)
Near-Earth Objects (NEO)



Others

Access to Space
Research & Innovation
Entrepreneurship
Certification & standardisation
Capacity Building



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