

35th IAA SYMPOSIUM ON SPACE AND SOCIETY (E5)
Interactive Presentations - 35th IAA SYMPOSIUM ON SPACE AND SOCIETY (IP)

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BRINGING SPACE TO EARTH THROUGH IMPACTFUL CROSS-SECTORAL USE OF SPACE DATA
AND SERVICES

Abstract

The European Union Agency for the Space Programme (EUSPA) marks the start of a new era for EU Space, building on the legacy of Galileo JU and of the European GNSS Agency. The EU Space Regulation brings under one umbrella all EU Space components and requires EUSPA to play an essential role in one of the biggest industrial EU projects: the EU Space Programme. The evolution to EUSPA came with an expanded mandate covering Galileo, EGNOS, Copernicus, SSA, and GOVSATCOM, and more recently IRIS2 Regulation. The environmental and geopolitical conditions showcased the need to make use of space data in sectorial policies and market segments as Space is by excellence a central transversal enabler.

Besides the strategic partnerships with the private sector actors, opportunities for services and data uptake stem from the use of space capacities and know-how by related Commission DGs and Agencies addressing climate change, prevention, monitoring and surveillance, crisis and disaster management, protection of critical infrastructures, energy and food security as well as humanitarian stakes. The imminent step is making available Space tools meant for enhancing EU sectorial policies linked to the Green Deal and Climate Actions, and EU Resilience (Cybersecurity, Governmental services).

To reach this indispensable goal, EUSPA is committed to support DG DEFIS and deliver on EU objectives through reinforcing the cooperation and workplan synergies with the other Commission's DG (ENVI, AGRI, ENER, MARE, HOME, ECHO) and their Agencies by putting forward operational tools for the decision makers and support EU policy implementation. This process can only be streamlined through a comprehensive assessment of existing and future capacities available on the market, the outcomes of EU research programmes (Horizon Europe/CASSINI) and the strategic objectives/deliverables/KPIs set in the EC DGs and Agencies workplans. This approach can gear the daily support of EU Space Programme to a broad range of users from researchers to industrial stakeholders, from civil protectors to farmers, thus encompassing users benefitting from commercial and governmental data available worldwide 24/7.

The aim of the paper will thus capture the ways to deliver space solutions and tools stemming from the current and potential space components synergies enabling sectorial policies and markets.

EUSPA will use its role as activator of the link between the user needs and the future EU investments in Space, aligned with key EU policy goals from the EU Green Deal to economy digitalisation promoting a protective and stronger Europe in the world.