

Linking space to user needs

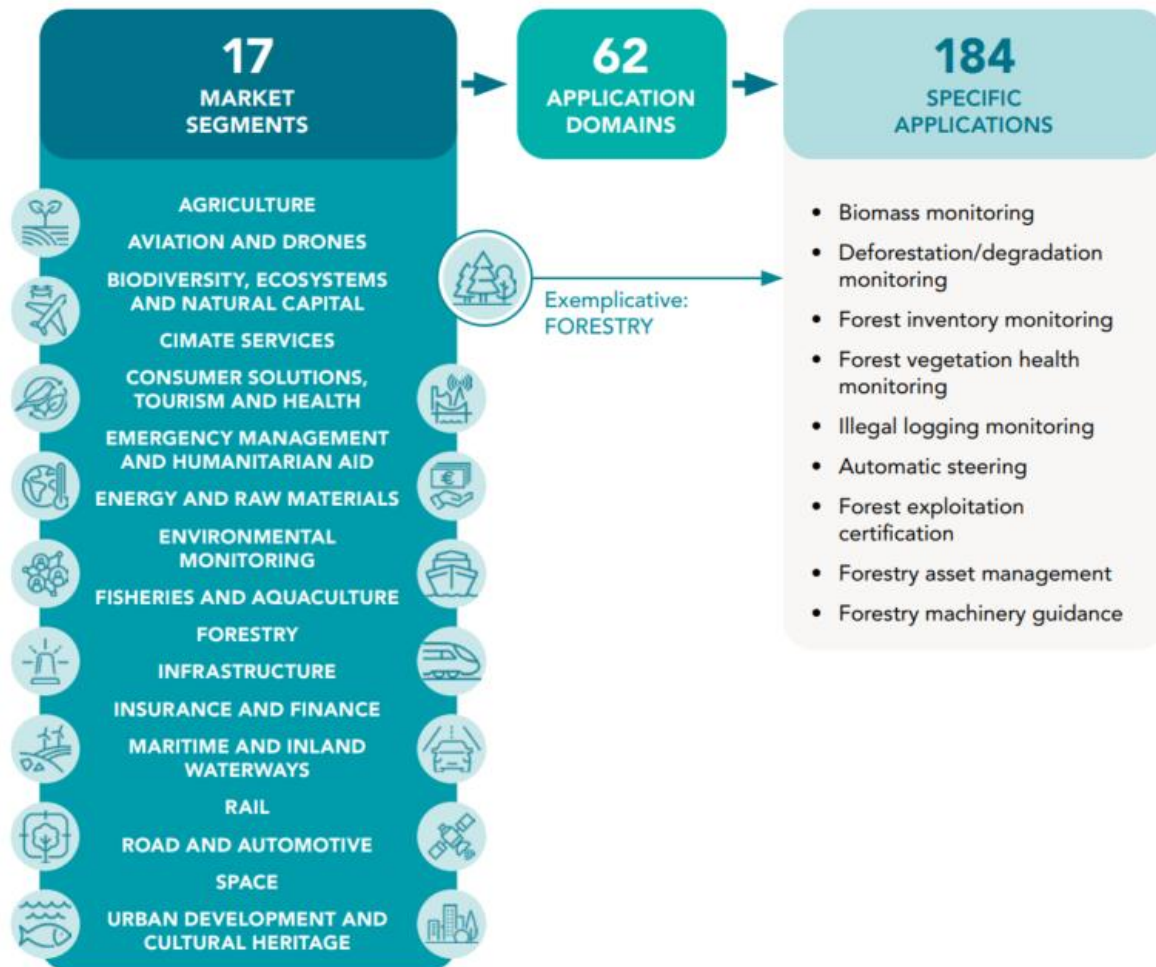
UN IAF Workshop Panel 4: Space applications for sustainability on Earth

Rodrigo da Costa, Executive Director

Milan, 16 October 2024

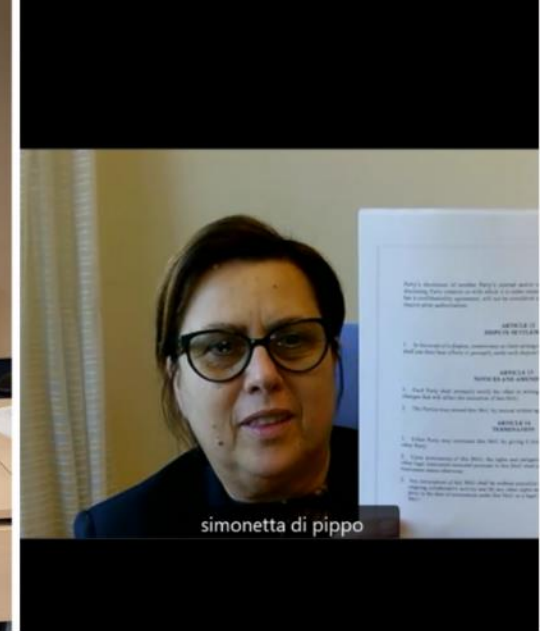


The EUSPA EO and GNSS Market Report follows 15 market segments



In 2022 a new MoU has been signed to reinforce the EUSPA/ UNOOSA partnership

- A new **MoU has been signed** on 9th of March 2022
- It enlarges the scope to new space domains: Satellite Communications and Space Situational Awareness on top of GNSS and Earth Observation
- Among others, UNOOSA and EUSPA will conduct joint studies, user needs assessments, capacity-building, educational activities



“The collaboration between EUSPA and UNOOSA is further reinforced with this MoU and fully aligned with our agency's commitment to contribute to the delivery of the EU Green Deal. Space data and services are more crucial than ever and we will explore how synergies between satellite navigation systems such as Galileo, Earth observation technology such as Copernicus and satellite communication can help us address pressing societal challenges such as climate change and foster space economy.”

Rodrigo da Costa, EUSPA Executive Director

European GNSS and Earth Observation: supporting the Sustainable Development Goals



Sustainable food production
Crop productivity optimisation
Livestock management optimisation



Air quality, UV monitoring and forecast
Disability assistance
eCall emergency response service



Water quality
Water management
Protect and restore water ecosystems



Renewable energy planning and distribution
Power grid synchronization
Surveying



Infrastructure mapping and monitoring
Construction surveying
Smart mobility



Climate monitoring and forecasting
Climate mitigation and adaptation
Disaster management
Search and rescue operations



Marine pollution
Sustainable aquaculture and fisheries management
Fish stock detection and catch optimization



Halt deforestation and promote sustainable forest management
Combat land degradation and biodiversity loss
Forest inventory

EUSPA publications on how EU Space data can contribute to green transformation and sustainable development

The report analyses the EU space role for reducing environmental footprints of companies in the following domains:

- Clean energy production and supply
- Clean industry boosting a cleaner industry
- Construction and renovation
- Smart and sustainable mobility
- A healthier and greener food system
- Restored ecosystems and biodiversity

EU Space for Green Transformation



In collaboration with UNOOSA



EGNSS and Copernicus Supporting the Sustainable Development Goals



- It analyses the role of EGNSS and Copernicus supporting the UN Sustainable Development Goals
- It stresses the potential of EGNSS-EO convergence stimulating innovation and increasing the use of space technology

EU Space Supporting a World of 8 Billion People



In collaboration with UNOOSA

- 15 November 2022, the world's population reached 8 billion people milestone
- The report demonstrates how EU Space and its synergies can actively contribute to tackling the several challenges related to a 8 billion world

New joint report

15 November 2022, the world's population **reached 8 billion people**, a milestone in human development



Increase in population creates **challenges and opportunities** which need to be addressed through the correct policies to ensure development while addressing the sustainability of activities of humankind

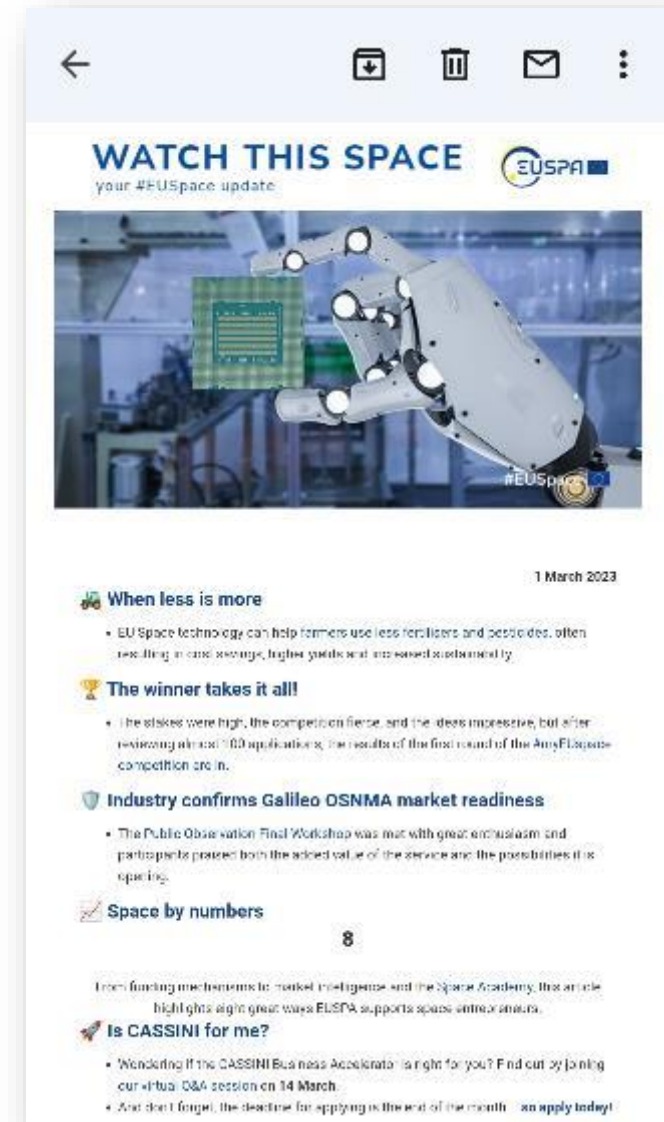


Report demonstrates how **EU Space and its synergies can actively contribute to tackling several challenges** related to **8 billion world**

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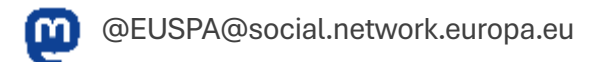




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