

living planet symposium

BONN
23-27 May
2022

TAKING THE PULSE
OF OUR PLANET
FROM SPACE

B6.01 National EO satellite missions - 2

26 May 2022

ESA chairs: Henri Laur and Peggy Fischer

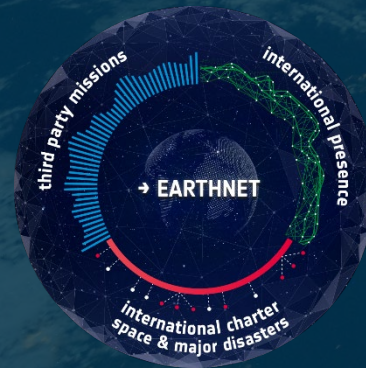
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Welcome!

This session provides a forum for presentations of current and upcoming national missions in Europe and worldwide.

- ✓ to cover data offer, mission capabilities, scientific applications, international collaboration and more.



- ✓ 6 presentations/speakers
- ✓ 15 minutes presentation each
- ✓ after each session, few minutes for Q&A
- ✓ Chairs will notify speakers when 3 minutes are left

- ESA is a world-leader in Earth observation, developing cutting-edge spaceborne technology to further understand the planet, improve daily lives, support effective policy-making for a more sustainable future, and benefit businesses and the economy.
- International co-operation helps leveraging the effectiveness of ESA EO activities and it is essential for success.
- Co-operation starts by sharing common objectives, being transparency & trust key for long standing collaborations.

→ Numerous initiatives:

- CEOS – Committee of Earth Observation Satellites (ESA founder member)
- GEO – Group of Earth Observations
- GEOGLAM – Focus on Food Security
- NASA JPPG & Open Science Collaboration
- Sentinel -6 Michael Freilich – Ocean Altimetry
- MAAP – Multi-mission Algorithm and Analysis Platform
- Enhanced Cryosphere Observations
- JAXA Collaboration
- SCO – Space Climate Observatory
- IMBIE - Ice sheet Mass Balance Inter-comparison Exercise
- NASA – ESA – JAXA (EO Dashboard)
- CSA – Canadian Space Agency
- CONAE – Argentinian Space Agency
- African – European EO Partnership
- EO AFRICA (EO African Framework for Research, Innovation, Communities & Applications)
- China – Dragon Cooperation
- ESA's Earthnet Programme

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10:40 am - CSA Satellite Earth observation missions and data analysis projects

[Dr. Marcus Dejmek | Canadian Space Agency | Canada](#)

10:55 am - Sustainable Land Imaging Landsat Next

[Dr. Zhuoting Wu | USGS | United States](#)

11:10 am - The NASA-ISRO SAR Mission – Science and Development Status

[Dr. Paul Rosen | Jet Propulsion Laboratory, California Institute of Technology | United States](#)

11:25 am - NOAA's Next Geostationary Satellite System, GeoXO

[Pamela Sullivan | NOAA/NESDIS | United States](#)

11:40 am - GeoXO hyperspectral infrared and microwave simulations for forecast performance assessment

[Dr. Joel McCorkel | NASA Goddard Space Flight Center | United States](#)

11:55 am - The NASA Plankton, Aerosol, Cloud, ocean Ecosystem (PACE) mission: Ushering in an era of daily, global hyperspectral satellite radiometry and polarimetry

[Dr. Jeremy Werdell | NASA Goddard Space Flight Center | United States](#)