Committee on Earth Observation Satellites

Updates



ICGS-SAR
INTERNATIONAL COORDINATION GROUP FOR SPACEBORNE SAR MISSIONS

Guennadi Kroupnik
CSA CEOS Principal
ICGS-SAR

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CEOS
Committee on
Earth Observation Satellites

Mission

CEOS ensures international coordination of civil space-based Earth observation programs and promotes exchange of data to optimize societal benefit and inform decision making for securing a prosperous and sustainable future for humankind.

CEOS Agencies

The Committee on Earth Observation Satellites (CEOS) was stablished in 1984 under the aegis of the G7 Economic Summit of Industrial Nations Working Group on Growth, Technology, and Employment.

Now entering its fifth decade

CEOS is comprised of 34 Members and 30 Associates

CEOS is a best-effort organization

CEOS Groups

Working Groups

CEOS Working Groups address topics such as calibration/validation, data portals, capacity building, disaster management, climate, and common data processing standards shared across a wide range of Earth observation domains.

- Working Group on Capacity Building & Data Democracy
- CEOS/CGMS Working Group on Climate
- Working Group on Calibration & Validation
- Working Group on Disasters
- Working Group on Information Systems & Services

Other Groups & Activities

CEOS engages in a wide variety of other exciting activities in support of the CEOS Mission:

- Analysis Ready Data (ARD)
- Biodiversity Activities
- Earth Observation Training, Education, and Capacity Development Network (EOTEC DevNet)
- Global Stocktake
- Sustainable Development Goals
- CEOS Systems Engineering Office

Virtual Constellations

The CEOS Virtual Constellations coordinate space-based, ground-based, and/or data delivery systems to meet a common set of requirements within a specific domain.

- Atmospheric Composition
- Coastal Observations Applications Services and Tools (COAST)
- Land Surface Imaging
- Ocean Colour Radiometry
- Ocean Surface Topography
- Ocean Surface Vector Wind
- Precipitation
- Sea Surface Temperature

CEOS Work

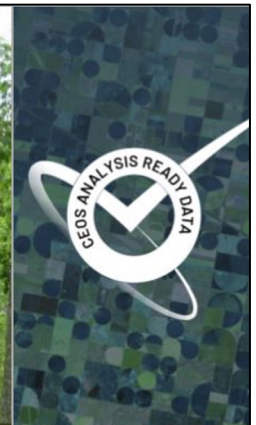

The CEOS MIM Database & EO Handbook



CEOS Visualization Environment (COVE)


Essential Climate Variable (ECV) Inventory


Best Practices & Guidelines



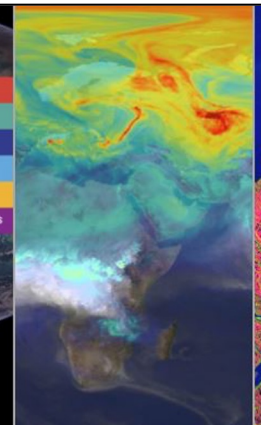
CEOS Analysis Ready Data (CEOS-ARD)

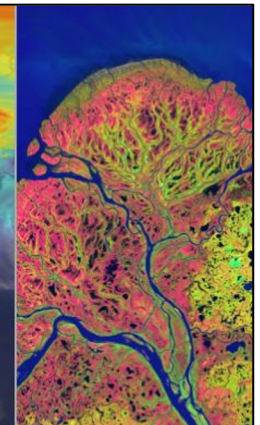

Calibration / Validation (Cal/Val) Portal

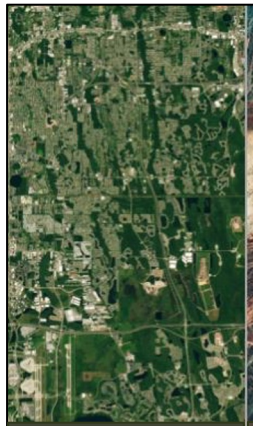

CEOS and the UNFCCC Global Stocktake



CEOS Thematic Observation Coordination


Greenhouse Gas Observation Portal


CEOS and the UN Sustainable Development Goals


Data Policy Portal


Federated EO Gateway (FedEO)


International Directory Network (IDN)


Terms & Definitions Wiki

38th Plenary - Montreal

Decisions of interest:

- 38th Plenary Statement renewing CEOS Members commitment
- Standing up a Biodiversity Study Team
- Medhavy Thankappan of Geoscience Australia as Vice Chair of the Working Group on Calibration and Validation (WGCV)
- Vincent-Henri Peuch of the European Centre for Medium-Range Weather Forecasts (ECMWF) as Vice Chair of the CEOS/CGMS Working Group on Climate (WGClimate)
- CEOS Plenary endorsed the CEOS Analysis Ready Data Strategy 2024

CEOS and Biodiversity

- Work by the Ecosystem Extent Task Team on three demonstrators clearly highlighted the benefit of satellite EO for the biodiversity community
- Multiple sensors are needed to deliver best results
- Biodiversity Study Team will expand CEOS vision for the future to the broader scope of biodiversity
- Collaboration with UN CBD and GEO as well as other international groups and committees will continue to explore how best to address the biodiversity crisis

CEOS – ICGS-SAR Interactions

Principles

- Periodic interactions between ICGS-SAR and CEOS at different levels to ensure mutual awareness of ongoing work
- Avoid duplication of effort (both draw from the same organizations)
- Avoid confusion for external stakeholders

Key topics identified for interaction

- Open data policies
- Integration of SAR with other data types
- Coordination of work including CEOS-ARD SAR efforts and WGCV SAR Subgroup

CEOS – ICGS-SAR Interactions

Proposed next steps

- Confirm alignment between ICGS recommendations and key topics identified
- For CEOS, identify relevant (sub)groups and / or activities, actions
- Define and establish modalities for interaction and reporting of progress/evolution of work