



Committee on Earth Observation Satellites

WGISS

WG on Information Systems and Services Report

Makoto NATSUISAKA (WGISS, JAXA)

Tom SOHRE (WGISS, USGS)

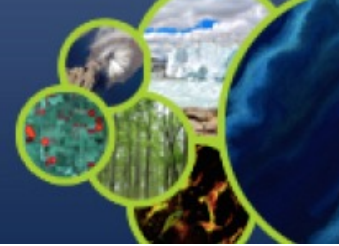
WG Disasters 18

4th Oct. 2022





WGISS (the Working Group on Information Systems and Services)

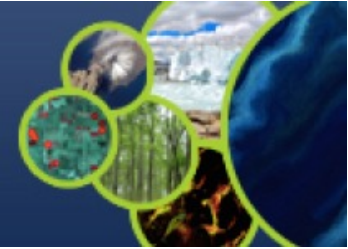


Working Group on Information Systems and Services.

- WGISS promotes collaboration in the development of systems and services that manage and supply Earth observation data as a working group of CEOS.
- The activities and expertise of WGISS span the information life cycle by enabling:
 - the sharing of CEOS agency investigations, developments, experiences and lessons learned relating to EO data stewardship.
 - the discovery, access, preservation and use of CEOS agency data.
 - the exchange of technical information and lessons-learned about current and trending software technologies and services.



WGISS Interest Groups



Agencia Espacial Mexicana: Adrian Guzman
CAS/AOE: Guangyu Liu
CAS/RADI: Lizhe Wang
CSA: Paul Briand
CNES: Richard Moreno
CONAE: Homero Lozza
CSIRO: Robert Woodcock
DLR: Katrin Molch
EC: Astrid Koch
ESA: Mirko Albani
EUMETSAT: Michael Schick
GA: Simon Oliver
GIDSTA: Pakorn Apaphant
INPE: Lubia Vinhas
ISRO: Nitant Dube
JAXA: Makoto Natsuisaka
NASA: Andrew Mitchell
NOAA: Kenneth Casey
NRSCC: Chuang Liu
ROSCOSMOS: Tamara Ganina
USGS: Thomas Sohre
VSNC: Vu Anh Tuan

Chair Makoto Natsuisaka, JAXA
Vice-Chair Tom Sohre, USGS
Secretariat Michelle Piepgrass, JAXA

Data Preservation and Stewardship Interest Group Mirko Albani, ESA

Data Discovery and Access - WGISS Connected Data Assets System Level Team Damiano Guerrucci, ESA
- **IDN** Michael Morahan, NASA
- **FedEO** Damiano Guerrucci, ESA
- **CWIC** Minnie Wong, NASA

Data Interoperability and Use Interest Group
- **Earth Analytics Interoperability Lab** CSIRO
- **Data Analytics Software and Tools** Mirko Albani, ESA

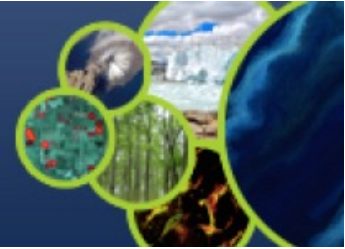
Technology Exploration Interest Group Yousuke Ikehata, JAXA, Richard Moreno, CNES
- **Jupyter Notebooks** Esther Conway, NCEO-UKSA



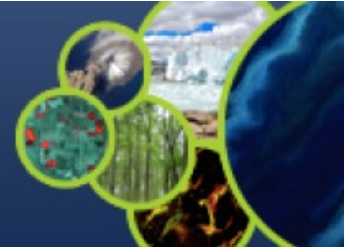
<https://ceos.org/ourwork/workinggroups/wgiss/>



Recent Activities



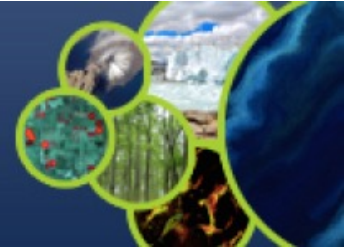
- **WGISS Meetings ... WGISS-54, Oct. 3-7, Tokyo JAPAN**
- **WGISS Exec Meetings ... Monthly**
- **Interest Group Meetings ... Monthly**
- **WGISS Webinar ... Jupyter Notebook Day Planned in Oct.**



- **Data Integrity and Authenticity on Cloud**
- **Data Quality Assessment and Indicators, and DMSMM Maturity Matrix**
- **WGISS Connected Data Assets**
- **STAC Best Practice**
- **Service Discovery Best Practice**
- **CEOS Common Online Dictionary**
- **EAIL**
- **Jupyter Notebooks Initiative**
- **Machine Learning, Data Learning, Artificial Intelligence**



Cooperation with Other Entities



- **CEOS ARD Oversight Group ... CEOS SIT**
- **CEOS Ocean Coordination Group ... CEOS SIT**
- **CEOS Interoperability Framework ... LSI-VC**
- **CEOS Engagement with Standard Organizations ... LSI-VC**
- **EAIL initiative ... SEO, WGDisaster (Flood Pilot Project), WGCV (DEMIX), COAST, Rice Monitoring Community**
- **Jupyter Notebook initiative ... SEO, WGCapD**
- **Common Maturity Metrics ... WGCV, CGMS**
- **Common On-line Dictionary ... WGCV**