

2020 GEO Data and Knowledge Week Agenda

This document is submitted by the Secretariat to the Programme Board for discussion.

18th February 2020
Meeting Chair: Xingfa Gu

| | Session | Time | Speakers |
|--|--|--|---|
| Session 1 Moderator: Xingfa Gu | Opening and welcome | 9.00-9.15 | China Host GEO SEC |
| | Keynote: Sense the invisible for sustainable development | 9.15-9.40 | China Geological Survey , Pengde Li |
| | Objectives of the workshop | 9.40-10.00 | GEO SEC , Douglas Cripe |
| | | 10.00-10.30 | Coffee |
| Session 2 Moderator: D. Cripe | Keynote: Data and Knowledge Challenges in GEO | 10.30-11.15 | GEO Secretariat Director , G. Camara |
| | Keynote: Asia-Pacific Networked Geospatial Data Platform (Hub) | 11.15-11.45 | UNESCAP , Tiziana Bonapace |
| | Discussion | 11.45-12.30 | Discussion: All (45 min) |
| | | 12.30-13.30 | Lunch |
| Session3 Moderator: Rich Frazier | GEOSS Infrastructure Current Status GEOSS Platform | 13.30-14.00 | GEOSS Platform : Joost van Bemmelen & G. Colangeli |
| | GEO Knowledge Hub | 14.00-14.30 | GEO Knowledge Hub : Gilberto Queiroz, Hendrik Baeyens, Florian Franziskakis |
| | Discussion | 14.30-15.00 | Discussion: All |
| | | 15.00-15.30 | Coffee |
| Session 4 Moderator: Ivan Petiteville | GEO Flagships/Initiatives Successes and challenges. | What does open science means for them and how can the GEOSS Infrastructure help scale up their activities? Impact Stories, Data and Knowledge Needs and Gaps. | |
| | Evolving GEOGLAM to Support GEO Priorities | 15.30-17.00 | GEOGLAM overview , from data to knowledge and Implementation, Bingfang Wu (15 min) Essential Agricultural Variables for GEOGLAM Sven Gilliams (VITO) (10 min) Federated ICT , Removing Barriers to Implementation Miao Zhang (RADI) (10 min) Sen2AGri on AWS , Florian Franziskakis (20 min) Capacity Development , enhancing Impact through Co-Development, Hongwei Zeng (10 min) |
| | GOS4M | 17.00-17.30 | Francesco D'Amore (30 min) |
| | Human Planet Initiative | 17.30-18.00 | Bob Chen (30 min) |
| | Discussion | 18.00-18.30 | All (30 min) |

19th February 2020

Meeting Chair: Douglas Cripe

| | Session | Time | Speakers |
|---|---|--|--|
| Session 5 Moderator: Wenbo Chu | Open EO Space-borne Data: Overview of Global Efforts Panel Discussion | 9.00-10.30 | Chinese Space Administration (CNSA) Wenbo Zhao (15 min) European Commission - Gilles Ollier (15 min) USGS - Rich Frazier (15 min) CEOS - “The CEOS Analysis Ready Data framework” Simon Oliver (15 min) Discussion: 30 min |
| 10.30-11.00 | | | Coffee |
| Session 6 Moderator: Max Craglia | Production of Analysis Ready Data (ARD) How and what are different Institutions doing to address the needs for Analysis Ready Data and Open source solutions related to this. | 11.00-13.00 | USGS - Rich Frazier (15 min) Sentinel Hub - Grega Milcinski, Sinergise (15 min) PCI Geomatics Analysis Ready Data (ARD) Tools - Kevin Jones (15 min) Advancing ARD through Digital Earth Australia - Simon Oliver (15 min) Discussion: 30 min |
| 13.00-14.00 | | | Lunch |
| Session 7 Moderator: Imraan Saloojee | Engagement Priorities: | Needs related to EO data and knowledge | |
| | Climate | 14.00-15.00 | GCA , Aiping Chen (15 min) EO for Climate monitoring in the Himalayan region , Birendra Bajracharya, ICIMOD (15 min) Access to Climate Data in GEOSS , Yuqi Bai (15 min) Arctic GEOSS , Mikko Strahlendorff (15 min) |
| 15.00-15.30 | | | Coffee |
| Session 7 Moderator: Imraan Saloojee | Disasters | 15.30-16.30 | AOGEO Disasters Resilience Tas, Ms Suju Li (15 min) DIAS , Tsugito NAGANO (15 min) UNOOSA - UNSPIDER , Ms Tang Tong, Beijing Office (15 min) UNOOSA - UNSPIDER , Nina Kickingner, Vienna Office (15 min) |
| Session 7 Moderator: Imraan Saloojee | SDGs | 16.30-17.30 | WG4SDG SDG17 : Promoting the use of EO/Geospatial data for SDG implementation, Gabor Remetey (15 min) UNEP Gregory Giuliani SDG 15.3 (LDN) (15 min) Discussion (30 min) |

20th February 2020

Meeting Chair: Xingfa Gu

| | Session | Time | Speakers |
|---|---|--------------------|--|
| Session 8 Moderator Joost Teuben | Capacity Development and Reproducible Knowledge | 9.00-10.30 | Why Reproducible Knowledge? Joost Teuben - ITC The DE Africa Sandbox: A Reproducible Earth Observation Knowledge Environment, Alex Leith (10 min) Open Source Software as a part of new and evolving GEO resources and principles, Mikko Strahlendorff (10 min) What is needed to advance the community towards reproducible knowledge? Joost Teuben, ITC (20 min) Panel Discussion to move the GEO Community to adopt open science and reproducible knowledge -- Panel of Regional GEOs Representatives (50 min) |
| | | 10.30-11.00 | Coffee |
| Session 9 Moderator: Stefano Nativi | (G)EO and Emerging Technologies/ Data Cubes | 11.00-13.00 | Building Digital Earth Africa using the Open Data Cube , Alex Leith, Australia (20 min) Brazil Data Cube , Karine Ferreira, Brazil (20 min) Swiss Data Cube Greg Giuliani (20 min) The GDAL cubes R package: Edzer Pebesma (20 min) Datacubes: Principles, Standards, and Practice. (M.F -Voidrot, OGC) (20 min) Discussion (20 min) |
| | | 13.00-14.00 | Lunch |
| Session 10 Moderator: Gregory Giuliani | Cloud Computing and GEOSS Infrastructure: Case Studies | 14.00-16.00 | Land Use Change on AWS , Gilberto Queiroz (20 min) Massive processing of remote sensing images with AI on Huawei Cloud , Chenghu Zhou (20 min) Machine Learning on EO cloud infrastructures , Raul Zurita, ITC (20 min) Reproducible knowledge in Earth Observation: Edzer Pebesma (20 min) Federating Data cubes with Rasdaman (Peter Baumann) (20 min) Discussion 20 min |
| | | 16.00-16.30 | Coffee |
| Session 11 Moderator: Guoqing Li | Emerging Cloud infrastructures from the Private sector | 16.30-18.00 | Alibaba Cloud , Jun Wang, Chief Architect of Machine Intelligence Technology Division (15 min) EC DG DEFIS/EURO DIAS COMPANY , Daniel Quintart (15 min) Esri , Pat Cummins (15 min) Discussion (30 min) |

21st February 2020

Meeting Chair: Douglas Cripe

| | Session | Time | Speakers |
|--|---|--------------------|--|
| Session 12 Moderator: Lionel Menard | Innovative applications and systems from private sector | 9.00-10.30 | Next Generation Collaborative Earth Observation Services, Next EOS , Bente Lilja Bye (15 min) Piesat , Tao Guo (15 min) Eversis , Piotr Zaborowski, Aleksandra Majorczyk (15 min) EARSC , Emmanuel Pajot (EARSC) (15 min) |
| | | 10.30-11.00 | Coffee |
| Session 13 Moderator: Bob Chen | Data and Knowledge Sharing Ethics | 11.00-12.30 | Indigenous Data Sovereignty and Governance: Opportunities and Challenges - James Rattling Leaf Tribal (15 min) Philippines Indigenous Peoples Community Conserved Territories, Giovanni Reyes (15 min) Refugee and IDP settlements - Jamon Van Den Hoek, Oregon State (15 min) Balancing Open Access and Other Ethical Concerns: The GEOSS Data Sharing and Data Management Principles, Bob Chen (15 min) Discussion (30 min) |
| Session 14 Meeting Chair: D Cripe | Closing session and side events and workshop outcomes report | 12.30-13.30 | |