
Data and Knowledge Update

24th Programme Board Meeting

6th – 7th September 2022

Paola De Salvo & Florian Franziskakis

Data Working Group (DWG)

4 annual DWG meetings (January, April, July, October).

4 coordination meetings (DWG Co-Chairs, Subgroup Co-Leads and GEO Secretariat) one week prior the DWG meetings.

Each subgroup defines its own meetings frequency (monthly).

Ethics subgroup will not continue its activities, members will be invited to participate in CODATA Ethics Working Group.

GEO Work Programme activities - survey

Prepared by the DWG, the GEOSS Platform and the GEO Secretariat.

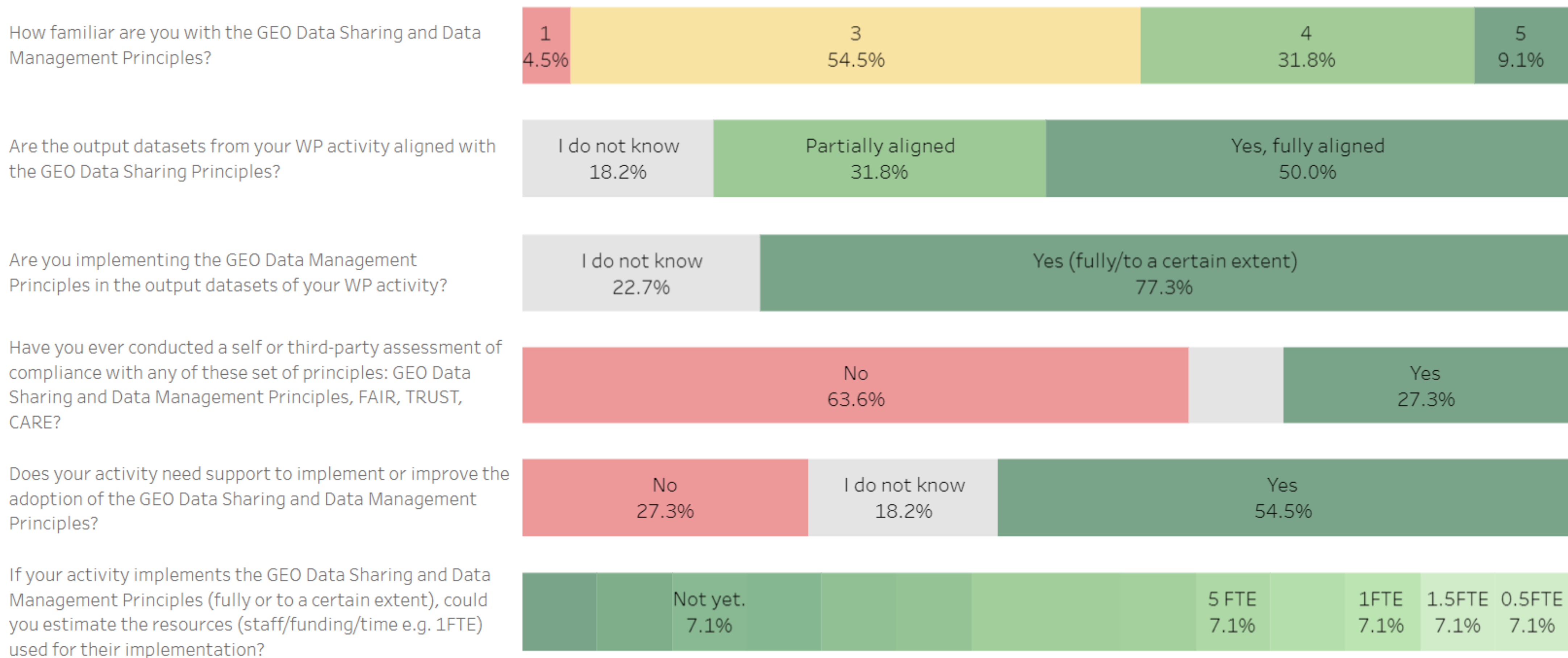
Objective was to assess the GWP activities data related practices, challenges, actions, assess their knowledge about the GEO Data Sharing and Data Management Principles, and needs related to the GEOSS Platform.

Launched in October 2021, using EU Survey (with support from EEA), 22 activities responded.

Results can be accessed [here](#).

GEO Work Programme Activities Data Analysis

Questions related to the implementation of GEO Data Sharing and Data Management Principles



GEO Work Programme activities – engagement calls

- GEO-TREES
- EO4Health
- GOS4M
- GLOBAL CROP PEST
- GEOGLoWS (TWIGA)
- GEO VENER
- GEOGLAM
- GEO Mountains
- GEO AquaWatch
- GEO Blue Planet

Planned (Sep/Oct):

- GOS4POPS
- GFOI
- GEO BON
- GSNL
- GEO Wetlands



GEO Work Programme activities – engagement calls

Inventory of data needs, especially **in situ** (unavailable data, restrictions, formats, accessibility) and key networks with which to engage.

Understanding of awareness about the **Data Sharing and Data Management Principles** and the support needed for their implementation.

Understanding of the **law and policy** about data used by the activities

Gathering feedback about the infrastructure needs for the enhancement of the **GEOSS Platform**

Dialogue series

- Mondays from 16-17:30 CEST
- 5 September 2022: **A Data life cycle**
- 12 September 2022: **B Data sharing principles**
- 19 September 2022: **Discoverability(DMP1)**
- 26 September 2022: **Accessibility (DMP 2)**
- 3 October 2022: **Usability (DPM3-6)**
- 10 October 2022: **Preservation (DMP7-DMP8)**
- 17 October 2022: **Curation (DMP9-DMP10)**
- 24 October 2022: **Data Management Self-Assessment Tool**

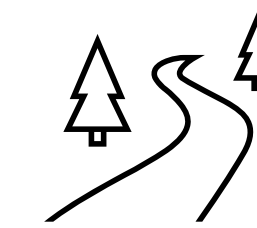
Progress on the GEO Knowledge Hub

The screenshot shows the GEO Knowledge Hub website. At the top left is the GEO logo and 'GROUP ON EARTH OBSERVATIONS'. The main header features the 'GEO Knowledge Hub' logo, an 'About' link, and 'Log in' and 'Sign up' buttons. A large satellite image of a coastal area is on the left. The main content area has a dark blue background with the text 'Welcome to the GEO Knowledge Hub!' and 'An open-source digital repository of open, authoritative and reproducible knowledge created by the Group on Earth Observations'. Below this is a search bar with the placeholder text 'Search for Earth Observations Applications'. A 'New' badge is visible above a navigation menu. The central section is titled 'Search by engagement priorities' and contains four cards: 'NEW URBAN AGENDA', 'COP21-CMP11 PARIS 2015 UN CLIMATE CHANGE CONFERENCE', 'SUSTAINABLE DEVELOPMENT GOALS', and 'SENDAI FRAMEWORK FOR DISASTER RISK REDUCTION 2015-2030'. The footer includes the GEO logo, 'Powered by InvenioRDM', and social media icons.

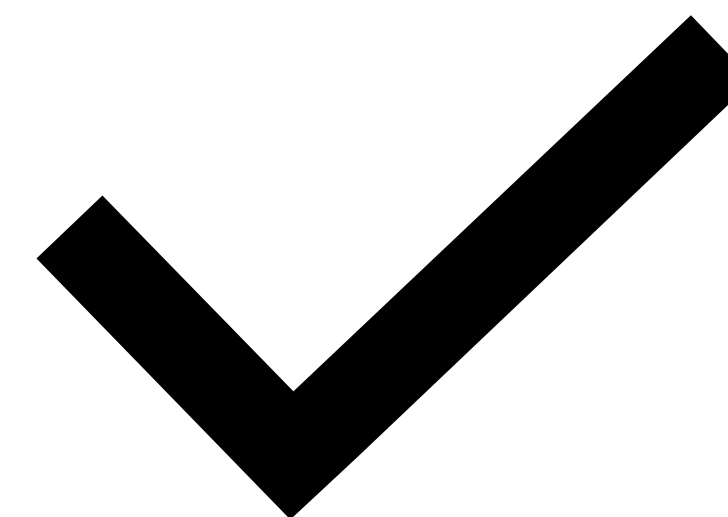
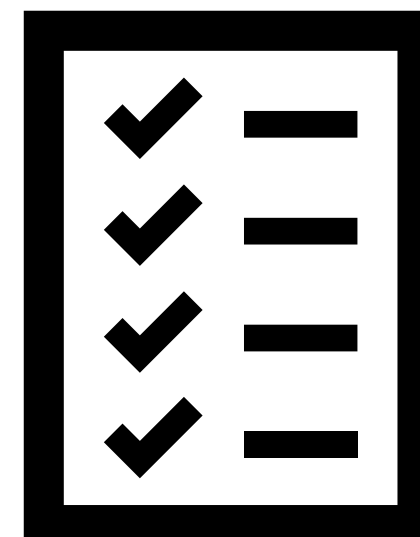
Paola De Salvo, GEOSS Coordinator - GEO Secretariat

(on behalf of GKH Team: Felipe Carlos, Florian Franziskakis, Gilberto Queiroz)

Programme Board 7-8 September 2022



July 2021-December 2021	2022-2023
Infrastructure	
<p>Development of the Document Submission Knowledge Interface</p> <p>GEO Knowledge Hub (Operational v1)</p>	<p>Fully functional GKH (Operational v2) on a stable/fully supported hosting environment</p>
Content and Engagement with GEO WP Activities	
<p>Continue to engage the GEO community by registering additional Knowledge Packages provided by GWP activities.</p> <p>Build communities around Knowledge Providers and its EO solutions; "streamline the communication strategy around this"</p>	<p>Continue to engage the GEO community by registering additional Knowledge Packages provided by GWP activities.</p> <p>Enable Knowledge Providers to register and update their Knowledge Packages on their own.</p> <p>Conduct an data and knowledge workshop to bring together the GEO community around the GKH.</p>
Users' uptake of the GEO Knowledge Hub	
<p>Inform and promote the GKH through webinars with hands-on courses as well as examples of the Knowledge Packages.</p>	<p>Create effective communication tools, such as flyers, websites, webinars, to explain and promote the GKH.</p> <p>Inform and promote the GKH through webinars with hands-on courses</p>



Where are we now?

Operational Platform with User and Knowledge Provider customized Interface & Functionalities

30 Open EO Applications discoverable and re-usable

Link with 2 EO ToolKits (Disasters and Urban)

Contribution from 12 GEO Work Programme Activities (many more in the pipeline)

GEO Knowledge Hub Live Demonstration

[GEO Knowledge Hub \(earthobservations.org\)](https://earthobservations.org)

Where are we going?

Advocate GKH uptake through an Integrated Users strategy

Continue the engagement with GEO WP Activities
(30 new knowledge packages in the pipeline)

GKH as impact tool integrated in the National
GEOs engagement strategy

Dedicated Open data and Open Knowledge
workshop in 2023

Open Data and Open Knowledge workshop 2023



The Data Working Group, the GEOSS Platform, the GEO Knowledge Hub are advocating the need to have a technical event to gather the GEO community in 2023

Objectives:

- Highlight ongoing efforts and align the GEO Community to the open and reproducible knowledge vision.
- Allow Data and Knowledge providers meet their targeted users
- Empower targeted users with open EO based applications in the various engagement priorities and main conventions
- Explore and discuss technological advancement that facilitate the open knowledge vision
- Update on technological aspects of GEOSS infrastructure.
- Map the linkages of data & knowledge providers with nexus integrated approach
- Discuss EO data and knowledge gaps and needs
- Leverage the role of the GKH in the capacity development and Impact strategy

Open Data and Open Knowledge workshop 2023



Where: Discussions are ongoing to host it in ESA

When: Tentative dates 27-31 March 2022 back to back with the CEOS-SIT meeting

Building the Organizing Committee

- GEO Secretariat GKH
- Data Working Group
- GEOSS Platform
- Selected • GWP Activities
- Funders
- PB: Member(s)





Communicate and Collaborate with GEO

