



ay 2023

GEO Infrastructure
moving forward: what
components to integrate
and what role is there to
play for Regional GEOs ?

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Coordinator

ns (GEO)



Where do we stand ?

International Data Providers*

Environment



Disasters



Food & Security



Satellites



Biodiversity



Regional and National Providers*

Chile



China



France



Germany



India



Italy



Japan



Private Sector Providers



GEO Website



earthobservations.org

GEOS Portal

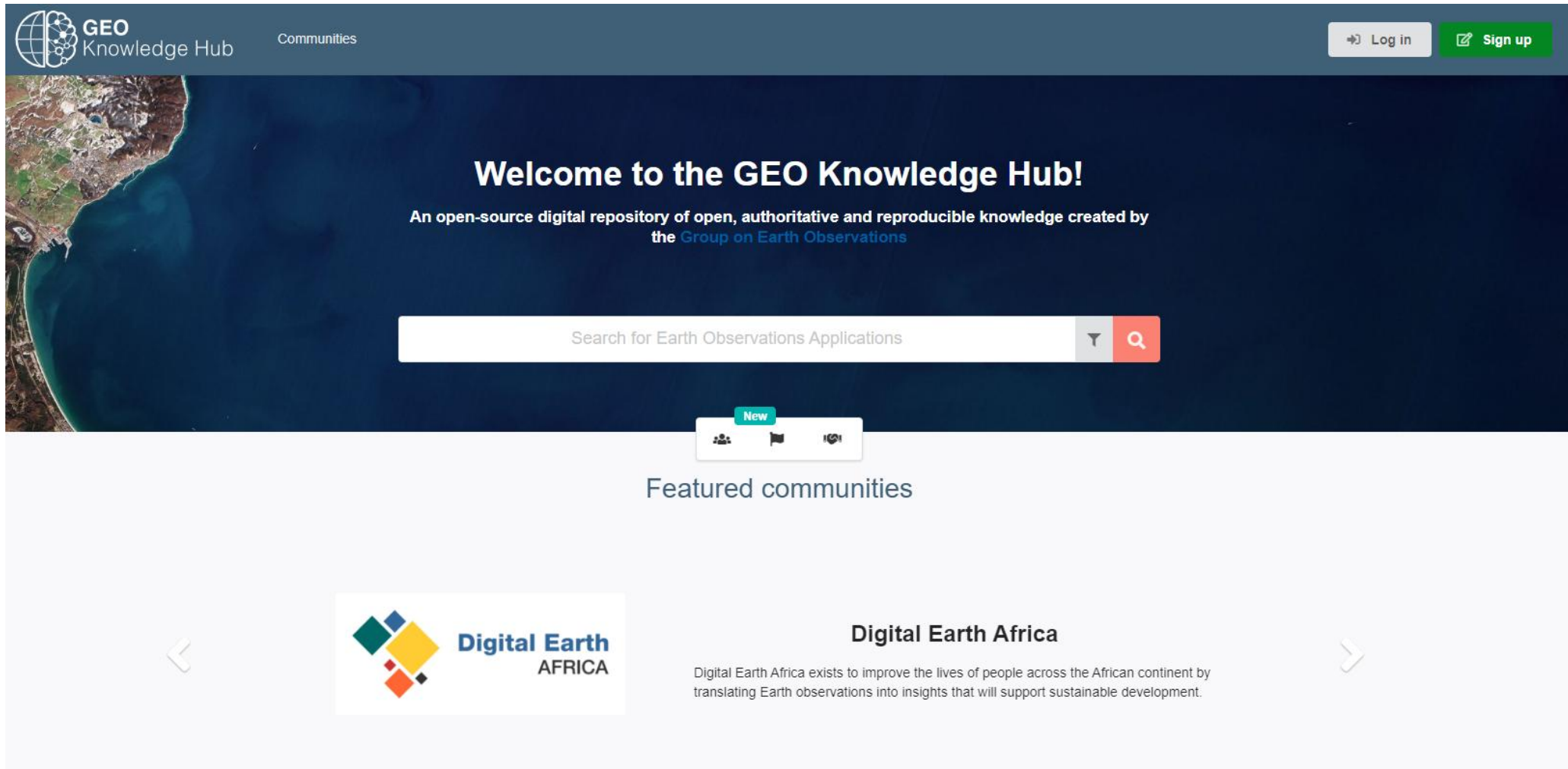


geoportal.org

GOO DAB

Discovery and Access Broker (DAB)

Where do we stand ?



The screenshot shows the homepage of the GEO Knowledge Hub. At the top left is the GEO Knowledge Hub logo and the word "Communities". At the top right are "Log in" and "Sign up" buttons. The main header features a satellite image of a coastline and the text: "Welcome to the GEO Knowledge Hub! 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 with icons for users, a flag, and a gear. The "Featured communities" section highlights "Digital Earth Africa" with its logo and a description: "Digital Earth Africa exists to improve the lives of people across the African continent by translating Earth observations into insights that will support sustainable development."

The concept of GEOSS

GEO Mid Term Evaluation (2021) - Recommendation #3:

GEO should consider assessing the concept of GEOSS in light of the recent evolution of GEO. To do so, GEO should consider establishing an **Expert Advisory Group** composed of external experts, with expertise in Earth observation science, user engagement, as well as socioeconomic and policy domains, and internal members, **to explore to what extent the concept of GEOSS is still relevant to the organization as it no longer appears to define the core of GEO's activities as originally defined.**

The concept of GEOSS

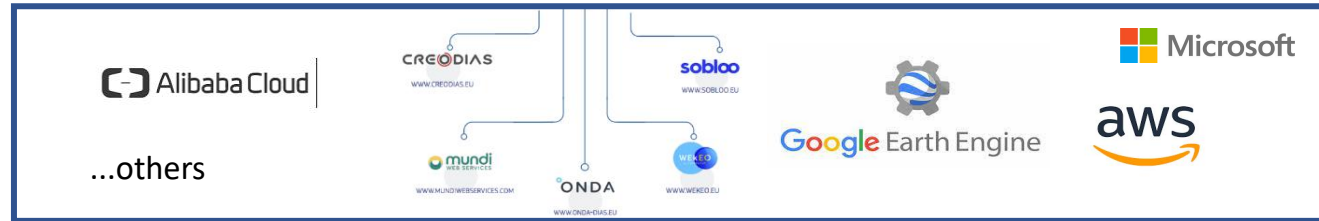
Expert Advisory Group on GEOSS (EAG) Final Report (2022) – 3 options:

- 1. Discontinue** investments in the current GEOSS Platform;
- 2. Pivot** investments toward end-user needs;
- 3. Continue** investments in the current platform, with enhancements.

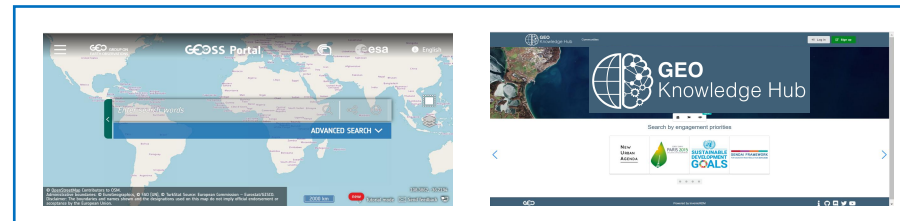
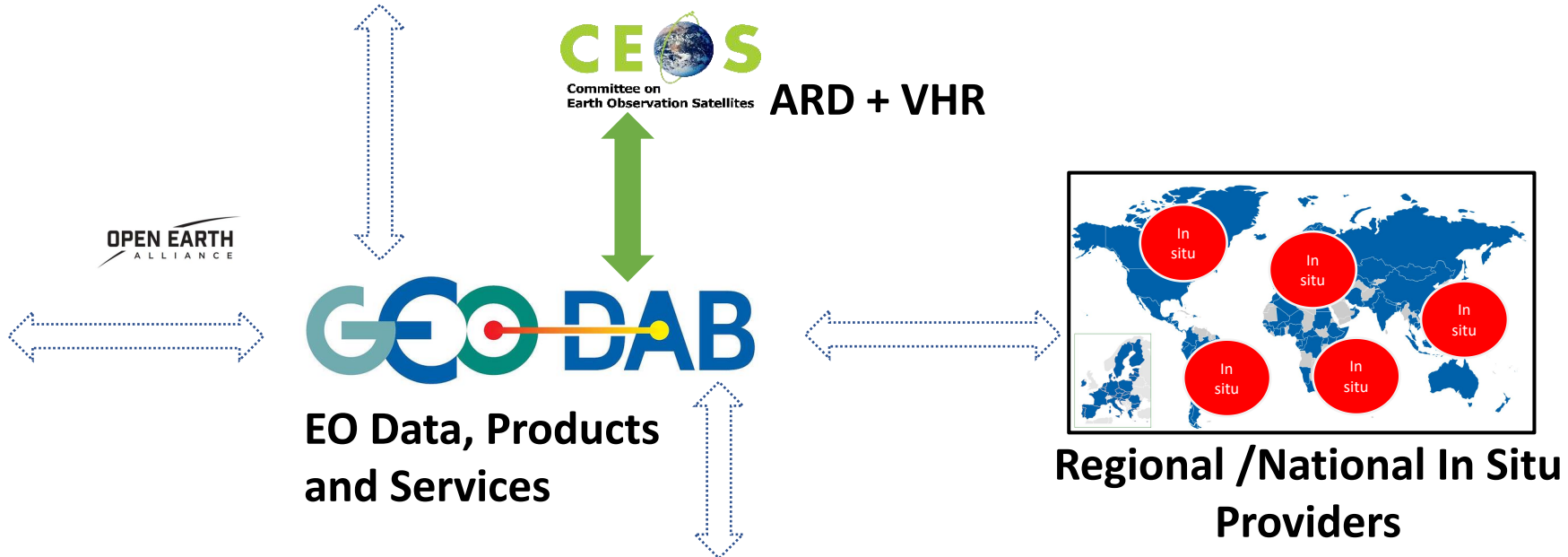
Internal GEO(SS) Infrastructure components...

Component	Functionality	Operated by	Funded by	Funded until
GEOSS Portal	User Interface	ESA	EC	Dec 2024
GEO DAB	Discovery access broker	CNR (Italy)	EC	Dec 2024
GEO Yellow Pages	Registry of data providers	UNIGE (Switzerland)	EC	Dec 2024
GEO Knowledge Hub	Digital library of open EO applications	GEO Secretariat	GEO Trust Fund	Feb 2024

...but the EO landscape is much wider!



Data Cubes



User interface

Thank You

Communicate and Collaborate with GEO

