

Update on the GEO Work Programme

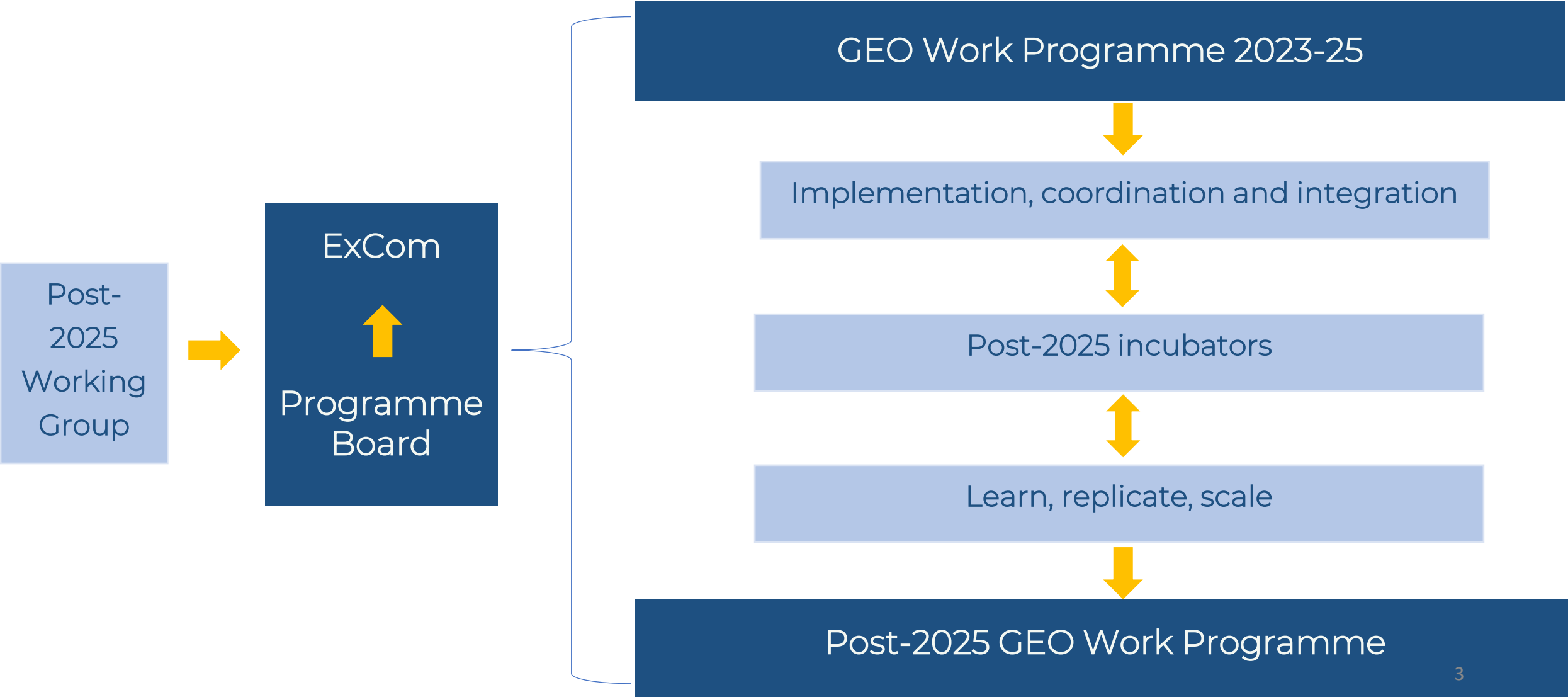
PB-25

Structure of the presentation

Part 1 – Implementation of the GEO Work Programme 2023-25

Part 2 – Post-2025 incubators

Structure of the presentation





GEO WORK PROGRAMME 2023-2025 SUMMARY DOCUMENT

VERSION 3 - DECEMBER 2022



GEO Work Programme 2023-2025

Version 3

Approval of the GWP 2023-25



Open Software

Snapshot of key upcoming events



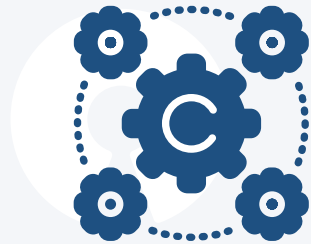
What's next: PB engagement teams

Re-convened in February to provide support to GWP implementation. On the agenda:

- structure
- working modalities
- focus

Collaborations

What's next: Coordination workshops



Information-sharing



Collaborations



Integration

What's next: Coordination workshops 2023

Systemic/multi-hazard risks – March 2023

Capacity-development – April/May 2023

Resource mobilization – 2023

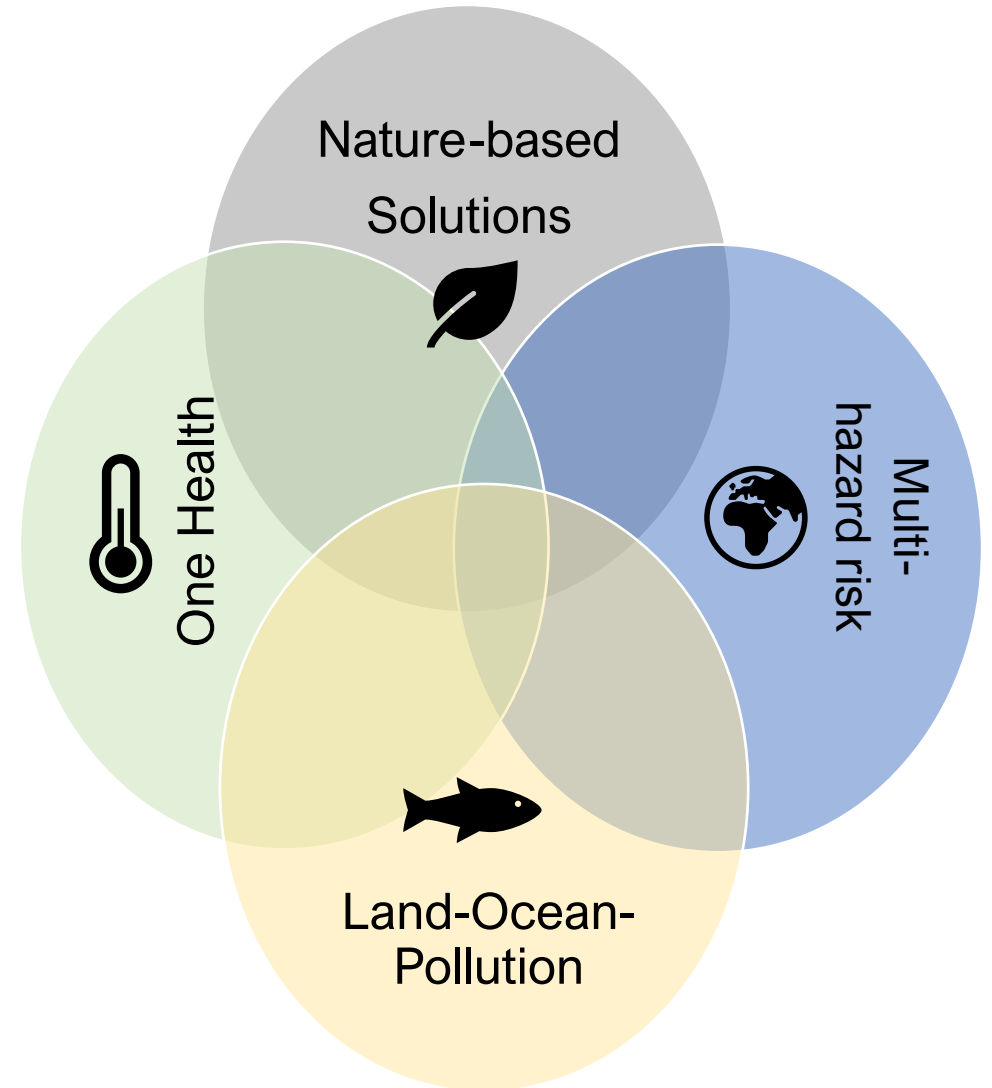
What's next: GWP toolkits

- Resource mobilization (2023)
- Capacity-development (2023)
- Monitoring and Evaluation (2024)
- Communications (2024)
- Knowledge management (2024)

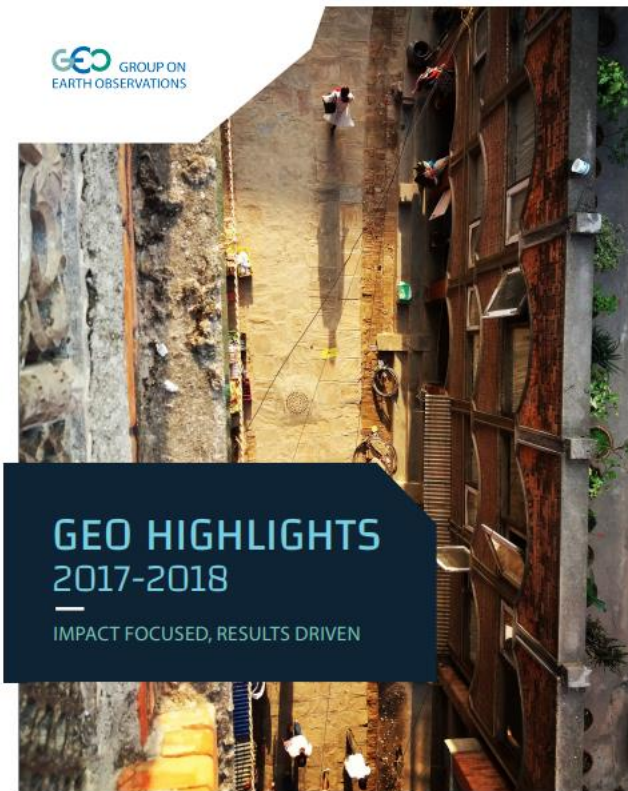
Collaborations

What's next: GWP integration

GEO BON	GEO GLAM	GFOI	GOS4M	GEO-LDN
AQUAWATCH	DE-AFRICA	DIAS	EO4DRM	EO4EA
EO4HEALTH	EO4SDG	GDIS	GEO-BLUE-PLANET	GEO-CRADLE
GEOGLOWS	GEO-MOUNTAINS	GEO-VENER	GEO-WETLANDS	GOS4POPS
GSNL	GUOI	GWIS	HUMAN-PLANET	
AIS-MONITORING	ARCTIC-GEOSS	CHEMICAL-EARTH	DE-PACIFIC	EO4KARST
EO4MIN	EO4WEF	GEOARC	GEO-CITSCI	GEOCRI
GEODESY4SENDAI	GEO-EV	GEO-EV-PRODUCTS	GEO-PDRS	GEO-TREES
IN-SITU-ESC	NIGHT-LIGHT	OEA	SPACE-SECURITY	UHCO
AFRIGEO	AMERIGEO	AOGEO	EUROGEO	



What's next: 2023 Highlights Report

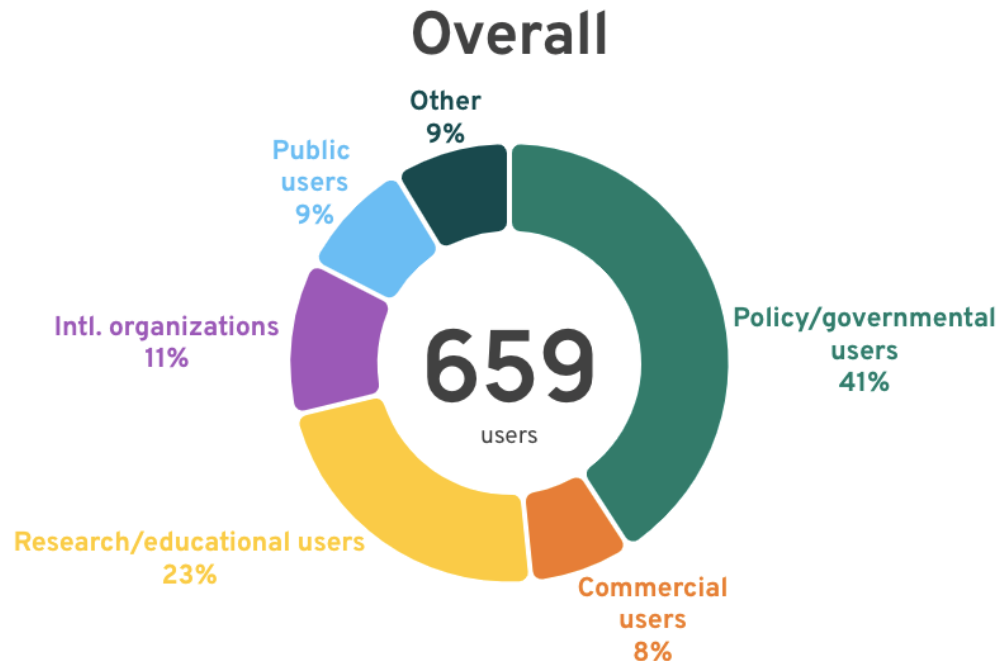


GEO GROUP ON
EARTH OBSERVATIONS
2020 HIGHLIGHTS REPORT

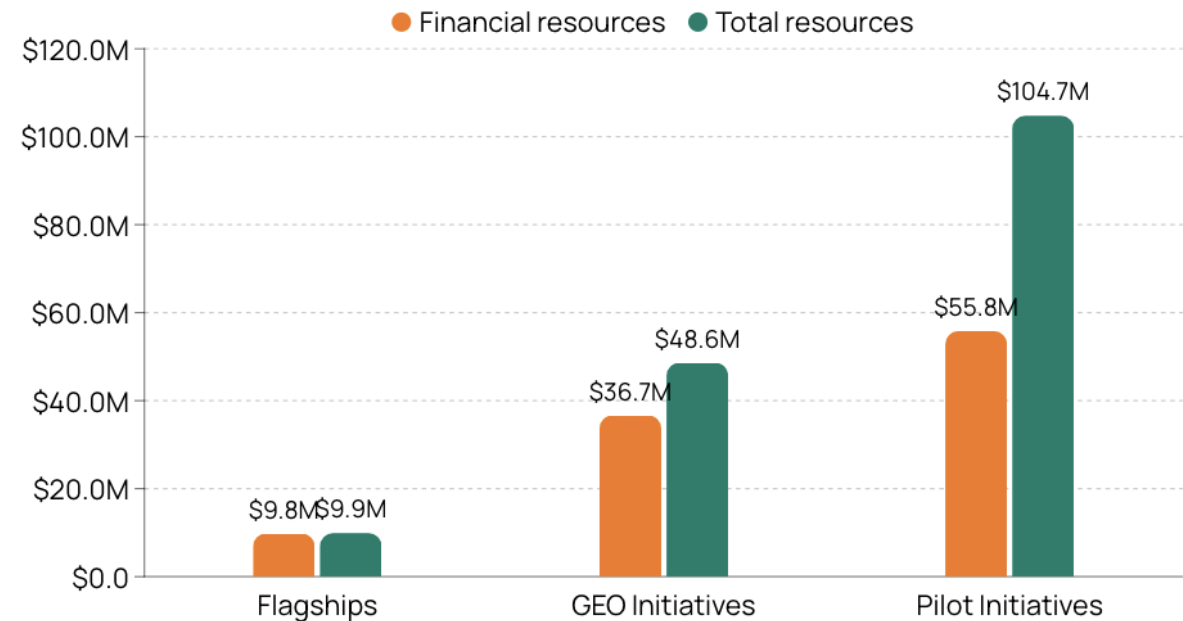


What's next: Implementation Plan Analysis

Type of targeted user categories



Resources per type of activity



What's next: GWP communications

**Interim activity
pages (Q1 2023)**



**New website
(end 2023)**

Activity webpage: gateway to activity

Static

Report generated on 2022-07-28 14:17:10 - UTC
Report generated by computer

WP23_25: Digital Earth Africa

1447,249

Basic Information

Full title of the Initiative
Digital Earth Africa

Short Title or Acronym
DE-AFRICA

Current category in the 2020-2022 GWP
GEO Initiative

Proposed category in the 2023-2025 GWP
GEO Initiative

Points of Contact

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Zviko	Mudimu	zvikomudimu@digitalearthfrica.org
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Purpose

Objective
Digital Earth Africa (DE Africa) aims to improve the lives of Africans by providing planners and policy makers with tailored Earth observation information to support better decision making and enhance sustainable development outcomes.

Please provide a short description of the Initiative
DE Africa is currently being established as an African-based and managed operational platform, funded by the Australian Government Department of Foreign Affairs and Trade (DFAT), and The Leona M. and Harry B. Heimsley Charitable Trust (Heimsley). DE Africa provides routinely updated information, using Earth observations to deliver decision-ready products enabling policy makers, scientists, the private sector, and civil society to address social, environmental, and economic changes on the continent and develop an ecosystem for innovation across sectors. From 2023, focus of the program will be to secure funding for delivery beyond the Establishment Phase, capacity building, and delivering impact across Africa.



Dynamic

DE-AFRICA
UNLOCKING THE PROMISE OF TOMORROW FROM PATTERNS OF THE PAST

THE CHALLENGE
The human and economic impacts of climate change, food insecurity, land degradation, and urbanization are being felt across the African continent. Despite the fact that many satellite images are freely available, translating them into meaningful and usable information for decision-making is challenging.

THE SOLUTION
DE Africa changes the game by providing continental scale Analysis Ready Data which saves around 80% of project time traditionally spent on accessing, pre-processing and organizing satellite images. Furthermore, it delivers decision-ready products that enable users (ranging from policymakers, scientists, the private sector, and civil society) to address social, environmental, and economic changes across the continent.

LATEST DEVELOPMENTS
A new project to improve access to analysis - Ready water data in Africa
The DE Africa partnership organizes decades of satellite data into an analysis-ready 'Open Data Cube', and the International Water Management Institute (IWMI) will work with them to develop tools to translate this data into decision-ready information for water resource management.

OUR IMPACT
To date, DE Africa has published over 25 user-led case studies and impact stories, across Africa (Ghana, Kenya, Tanzania, Botswana, Uganda, Mozambique, and Zambia) supporting 7 different SDGs.

Using satellite data to combat drought: Monitoring Lake Tanganyika, Tanzania. See more...

Time series for nature: Preserving mangroves in Zanzibar. See more...

Development for all: ensuring Digital Earth Africa is diverse and inclusive. See more...

A new project to improve access to analysis-ready water data in Africa. See more...

POLICY DRIVERS
DE Africa uses satellite data that has recorded a wide range of land and water resource information. DE Africa's work is categorized under the following themes:

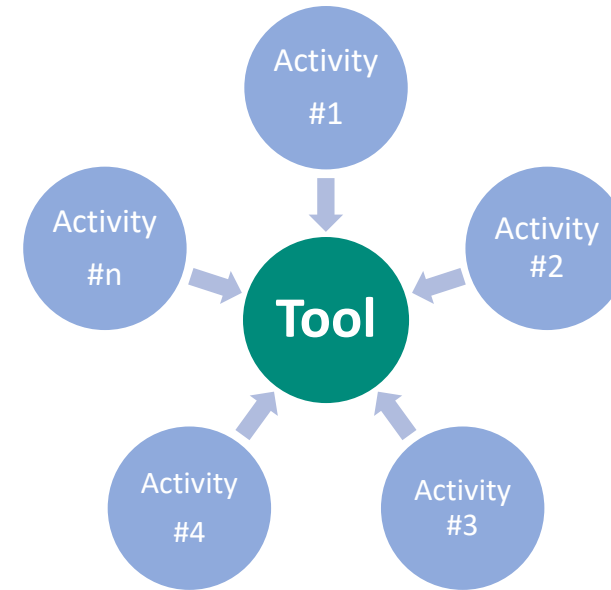
- Satellite Data for Sustainable Development
- Climate Action and Reporting
- Water Resources and Food Risks
- Agriculture and Food Security
- Urbanization
- Land Degradation and Coastal Erosion

Process and tool for webpage development



Interim model

- GEOSEC: prepare content and design
- Activity: review and verify
- GEOSEC: publish information



Operational model

Activity publish information directly

Activity webpage demo

Digital Earth Africa

GEO BON

GEO-LDN

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How we got here

2021 Independent Mid-term Evaluation

Objectives for 2023-25 GWP

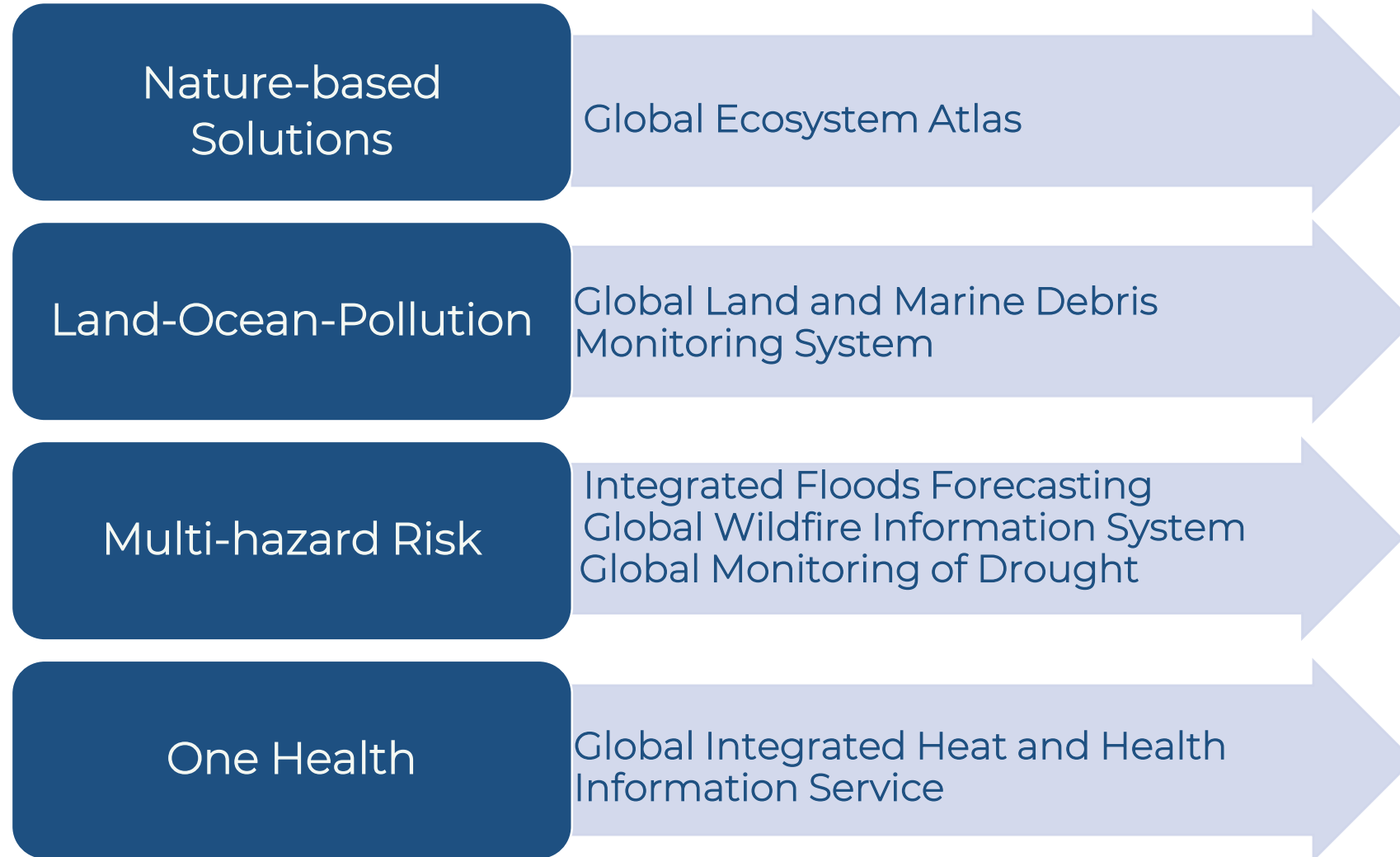
2022 GEO Symposium

23rd and 24th PB meetings

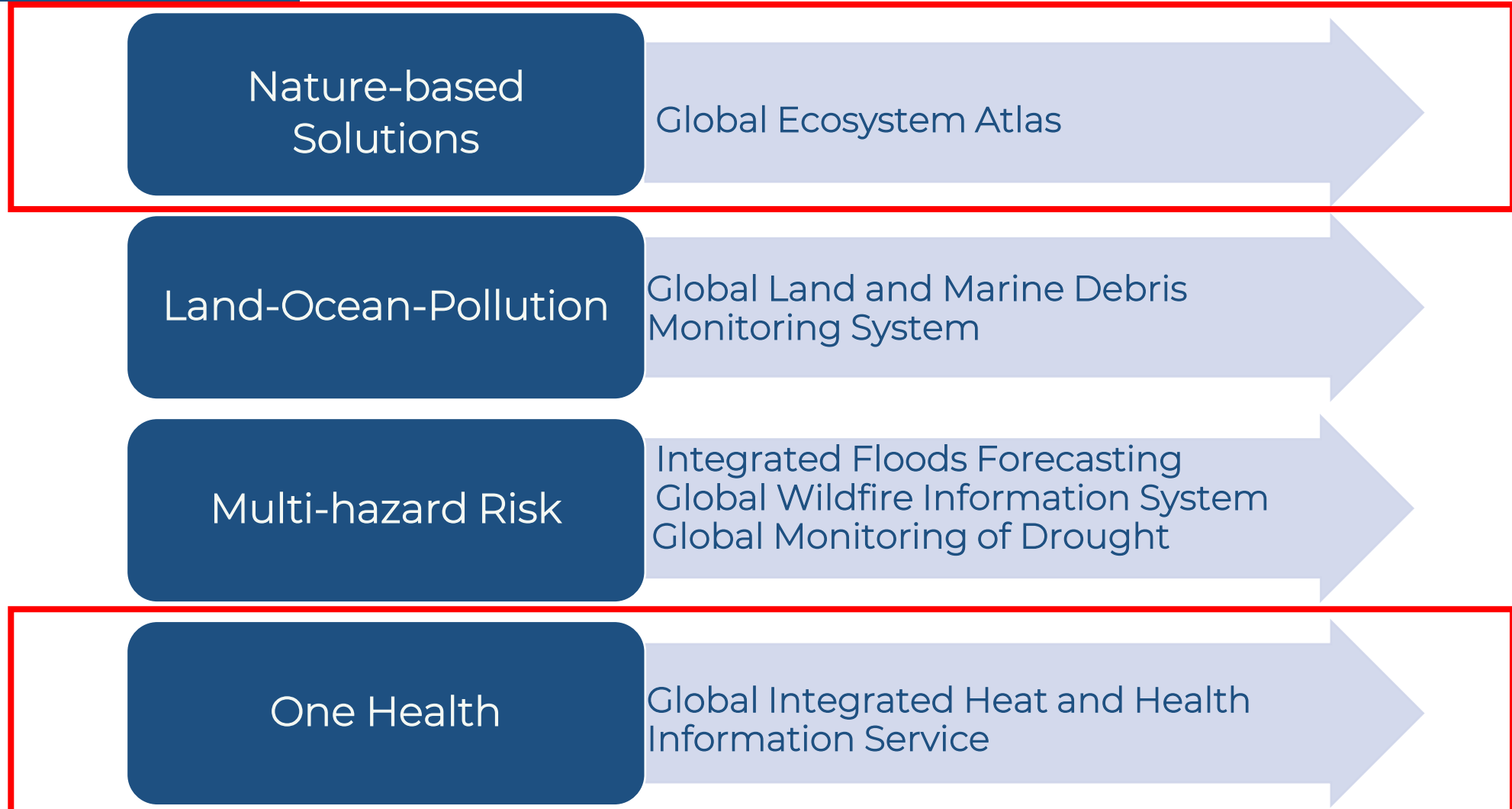
58th and 59th ExCom meetings

Post-2025 WG

Potential Incubators



Potential Incubators



Priority Incubator 2023: Global Ecosystem Atlas

OBJECTIVE

To create a single, and consensus-defined global monitoring tool to measure and report on the condition of ecosystems with the goal of prompting urgent action to protect biodiversity.



Why is it a priority?

Policy drivers

Review of the GBF under the CBD; NbS and Loss and Damage under the UNFCCC; Ramsar Convention inventories, SDGs monitoring etc.

Major international initiatives

UN Decade on Ecosystem Restoration; Great Green Wall; EU Green Deal; EU Biodiversity Strategy Global Landscapes Forum; ENACT Initiative etc.

NbS

Ecosystem restoration projects, including NbS, implemented at community and local levels generating benefits for climate mitigation and adaptation.

Phases to develop the Atlas

Ideation Phase

June 2022-March 2023



Initiation Phase

March 2023-November 2023

Open Software



Implementation Phase

Recent Milestones

Workshop on 11 October with GWP activities

GWP activities feedback on Concept Note

GEO Plenary Session, 2 Nov 2022

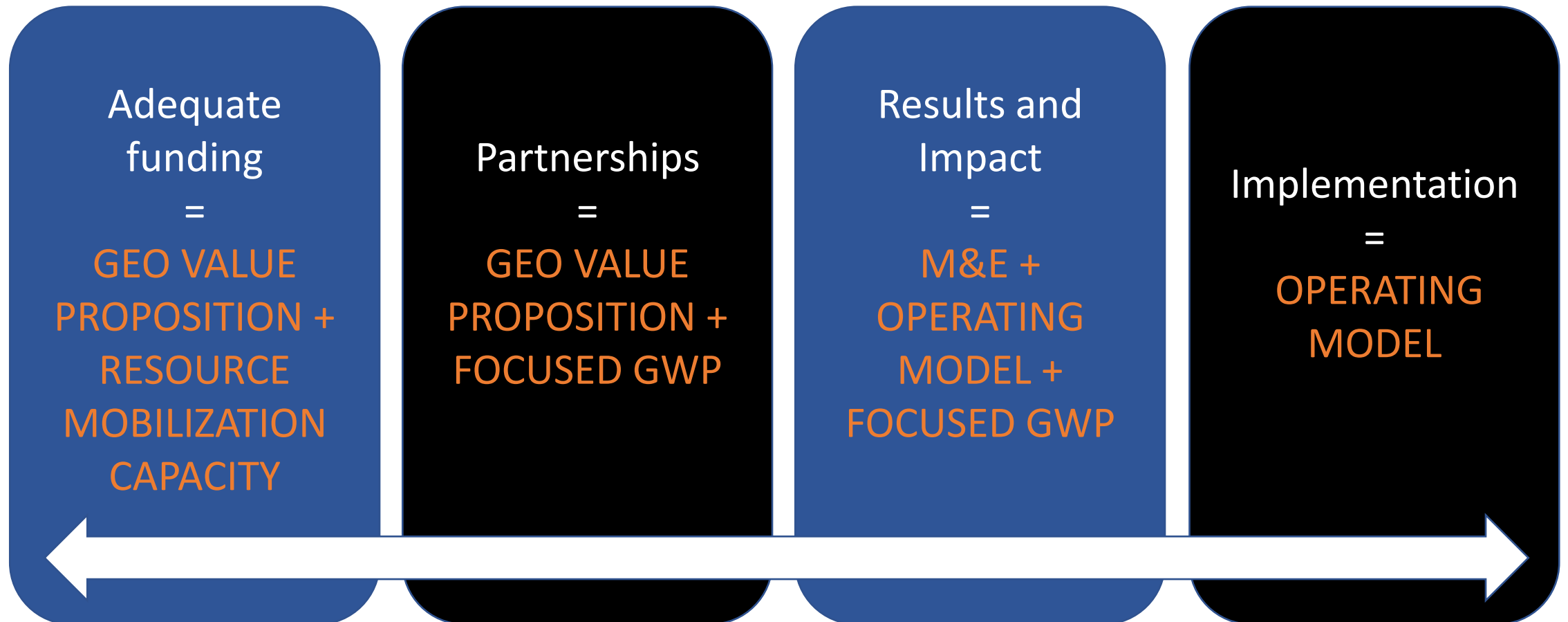
CEOS Ecosystem Task Team

Kunming-Montreal Global Biodiversity Framework adopted at COP15

Next steps

1. Convening Workshop in April 2023
2. Co-designed project document and governance framework
3. Launch of a seed-funded Global Ecosystems Atlas at GEO Week 2023

Enablers for success



Thank you

