

**Update from GEO:**

**Rui Kotani, GEO**

# 2 topics

**6 -10 NOVEMBER**  
CAPE TOWN, South Africa

#TheEarthTalks

**GEO WEEK 2023**  
Ministerial Summit



**Early Warnings  
for All**



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#TheEarthTalks

**GEO WEEK 2023**

Ministerial Summit



- Increase **visibility** of the critical role of Earth observations, and the GEO partnership.
- Secure ministerial **validation** of GEO's post-2025 strategy through a Declaration, and a mandate to develop an implementation plan based on this direction.
- Secure and showcase **commitment**, financial or political, for the implementation of GEO's post 2025 direction, from ministers and GEO partners.
- Provide the GEO community with opportunities to **showcase** their work and **network** with each other.





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**GEO WEEK 2023**

Ministerial Summit

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## Day 1

Opening Ceremony  
Flash Talks  
Workshops

## Day 2

Showcase Sessions  
Workshops  
Excom

## Day 3

Thematic Plenary Sessions

## Day 4

AM: Thematic Plenary Sessions

PM: GEO Plenary business

## Day 5

Ministerial Summit

– ExCom –

– Gala/Awards –

– Ministerial Dinner –

– Exhibition

Opening

- Exhibition runs all week
- Days 1, 2 and 3, as well as the morning of Day 4 are open to all registered attendees. The afternoon of Day 4 and the Ministerial Summit are only open to GEO Delegates and Ministers. Decisions can only be made by GEO Members present.

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**GEO WEEK 2023**  
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**Day 1**

**09:30 Official Opening Ceremony**

**10:30** Coffee Break

**11:00 “Flash Talks”**

*Content:* New projects, applications or services that help us listen to the Earth and take action on sustainable development and the triple planetary crisis—including biodiversity, health, climate, disasters, urban, oceans & water, agriculture, SDGs

*Format:* 10-minute, 3-slide talks to deliver a short, pitch. Three parallel tracks with 18 talks in total.

**12:00 Open space** for flash talk follow ups and networking

**12:30** Lunch

**14:00 Flash talks** continued, followed by open space for follow-ups. Three parallel tracks with 18 talks in total.

**15:30** Coffee Break

**16:00 Workshops and Technical Meetings** (6 Parallel sessions, self-organized)

**18:00 Official Exhibition Opening with Drinks**



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**Day 2**

**9:30 Showcase Events:**

*Content:* Best practices and impact stories from across the GEO community that help us listen to the Earth and take action on sustainable development and the triple planetary crisis

*Format:* 20-minute presentations + 10 minutes of discussion.  
Three parallel tracks with 6 showcases in total.

**10:30** Coffee Break

**11:00 Showcase Events:** Three parallel tracks with 6 showcases in total.

**12:00 Open space** for Showcase follow ups and networking

**12:30** Lunch

**14:00 Showcase Events:** Three parallel tracks with 6 showcases in total.

**15:00** Coffee Break

**15:30 Open space** for showcase follow ups and networking

**16:00 Workshops and Technical Meetings** (Self organized)

**Evening:** Events & Dinners TBC.

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## 8 NOVEMBER

### GEO-19 PLENARY - draft agenda

#### Opening

- Welcoming new GEO Members and Participating Organizations.
- Statements by the ExCom Co Chairs and Secretariat Director.

#### Presentation of the GEO Post 2025 strategy

#### Presentation of the Ministerial Declaration

#### Panel discussions on opportunities:

- Building on GEO Work Programme strengths, each featuring speakers from the GEO community, external partners, young people and other stakeholders.
- Including: Biodiversity and Climate, **Early Warnings for All**, Global Heat Resilience Service.

#### Gala dinner with awards ceremony

Open to all registered attendees

Restricted access: on invitation only



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## 9 NOVEMBER

### GEO-19 PLENARY - draft agenda

#### GEO Achievements

- Drawing from the 2023 GEO Awards and selected stories from the 2023 Highlights Report.

#### GEO's Integrated Approach from National to Global Engagement

- A discussion on the critical aspects of engaging with countries by showcasing strategies and initiatives that foster robust national engagement in GEO.

#### The Way Ahead: Plenary Business and Decisions

- Welcome to new Members, POs, and Associates
- Financial and Trust Fund Budget items
- Executive Committee Members for 2024
- Programme Board Members for 2024
- Review of the Ministerial Summit agenda
- Announcement of GEO-20 Plenary location
- Review of Plenary Outcomes

#### Ministerial Reception and Dinner



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## 10 NOVEMBER

- MINISTERIAL SUMMIT** - draft agenda
- 09:00 **Session 1 - Opening Session**
- Welcome by South Africa Host Minister
  - Opening statements by GEO Co-Chair Ministers
  - GEO progress and achievements since last Ministerial Summit
  - Keynote address (TBD): *Earth Observation to tackle the triple planetary crisis*
- 10:00 Group Photograph & Tour of Exhibition / GEO booth
- 10:30 Coffee Break
- 11:00 **Session 2 - Strategy**
- Discussion on the Post 2025 Strategy: Earth Intelligence For All
  - Closing the data divide. Increasing equity and inclusion in Earth observations
  - Youth Panel & Declaration
- 12:30 Lunch
- 14:00 **Session 3 - Declaration Approval**
- Endorsement of the Declaration
  - Implementing the Declaration & Strategy
  - Final remarks by Ministers / Ministerial appointed representatives
  - Closing Statement
- 15:30 Press Conference for Host Minister and Others
- Coffee available for others
- 16:00 **Adjourn**

Restricted access: only open to GEO Delegates and Ministers

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## Event submissions

- 141 submissions for Flash Talks, Showcases and Workshops
- Screened for minimum information, fit with brief, contribution to work programme, diversity.
- Result: 36 flash talks, 18 showcases, 12 workshops. 3 parallel tracks (6 for workshops)
- Responses include guidance on format, structure and diversity

## Webpage

- Live with draft programme, registration, accomodation, exhibition, practical information





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## Communications

- **Promotional video and recap video, social media on speakers, integration of highlights report content into social media, GEO booth**

High-quality pictures, videos, or other visual content that showcase your project's impacts, research endeavors, and breakthroughs.

## Exhibition

- Brochure published first week July. Priority for those who expressed interest prior. **Places still remain**

*See more details:*

*[https://www.earthobservations.org/documents/geoweeek2023/20230707\\_geo\\_week\\_exhibition\\_prospectus.pdf](https://www.earthobservations.org/documents/geoweeek2023/20230707_geo_week_exhibition_prospectus.pdf)*

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## Hybrid event?

- In person event broadcast through a live stream

## Registration & Security

- Live on Wednesday 15 June. Call for official delegations by end August. **6 October final deadline for any registrations.**

Any question on GEO Week, please write to:

Rui Kotani <[rkotani@geosec.org](mailto:rkotani@geosec.org)> and Kristi Kozma <[kkozma@geosec.org](mailto:kkozma@geosec.org)> copying to South African host <[geosummit@presconf.co.za](mailto:geosummit@presconf.co.za)>





& **Early Warnings  
for All**

The UN Global Early Warning Initiative  
for the Implementation of Climate  
Adaptation



WORLD  
METEOROLOGICAL  
ORGANIZATION



UNDRR  
UN Office for Disaster Risk Reduction





Early  
Warnings  
for All



# Timeline



Preparatory

Implementation on



## EWS

Early warning systems are key elements of climate change adaptation and disaster risk reduction

- Actively involve people and communities at risk from a range of hazards



## ACTION

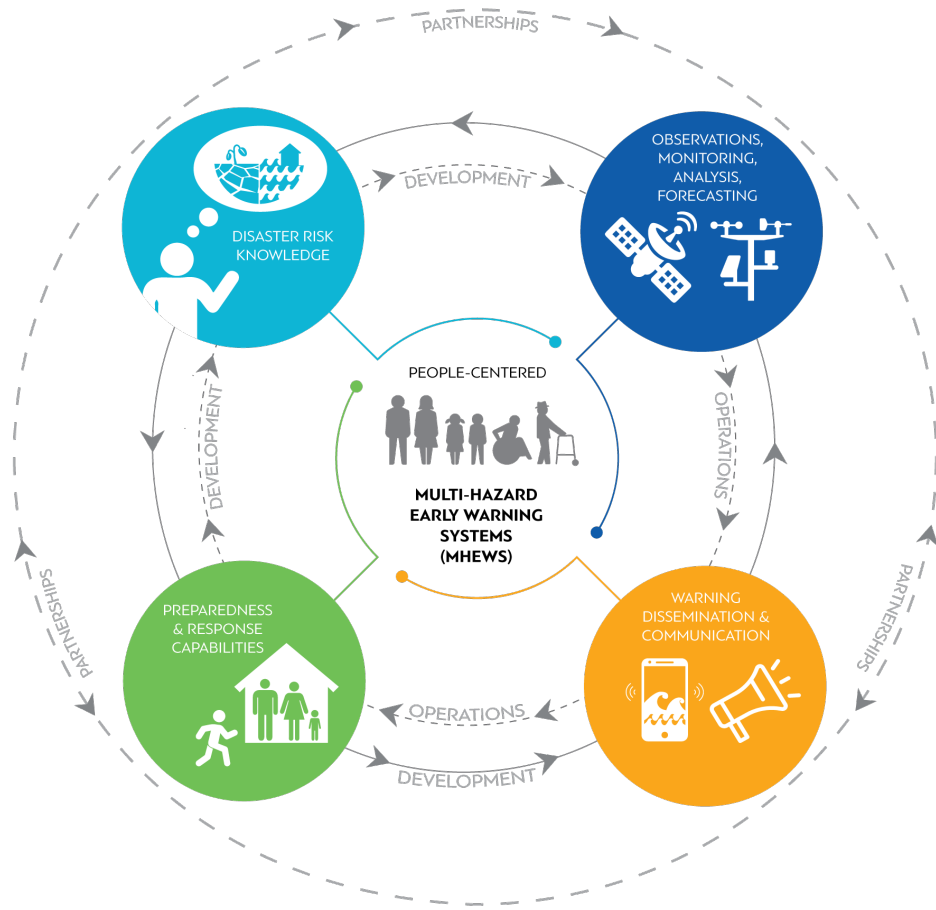
Enable early action, incorporating risk factors – whether arising from climate-hazards and social vulnerabilities

- Focus sectors mostly exposed to risk, from short-term or long-term processes





# 4 pillars of EW4All Initiative



**Disaster risk knowledge**  
Systematically collect data and undertake risk assessments

- Are the hazards and the vulnerabilities well known by the communities?
- What are the patterns and trends in these factors?
- Are risk maps and data widely available?

**Detection, observations, monitoring, analysis and forecasting of hazards**  
Develop hazard monitoring and early warning services

- Are the right parameters being monitored?
- Is there a sound scientific basis for making forecasts?
- Can accurate and timely warnings be generated?

**Preparedness and response capabilities**  
Build national and community response capabilities

- Are response plans up to date and tested?
- Are local capacities and knowledge made use of?
- Are people prepared and ready to react to warnings?

**Warning dissemination and communication**  
Communicate risk information and early warnings

- Do warnings reach all of those at risk?
- Are the risks and warnings understood?
- Is the warning information clear and usable?



# GEO as a supporting implementing partner

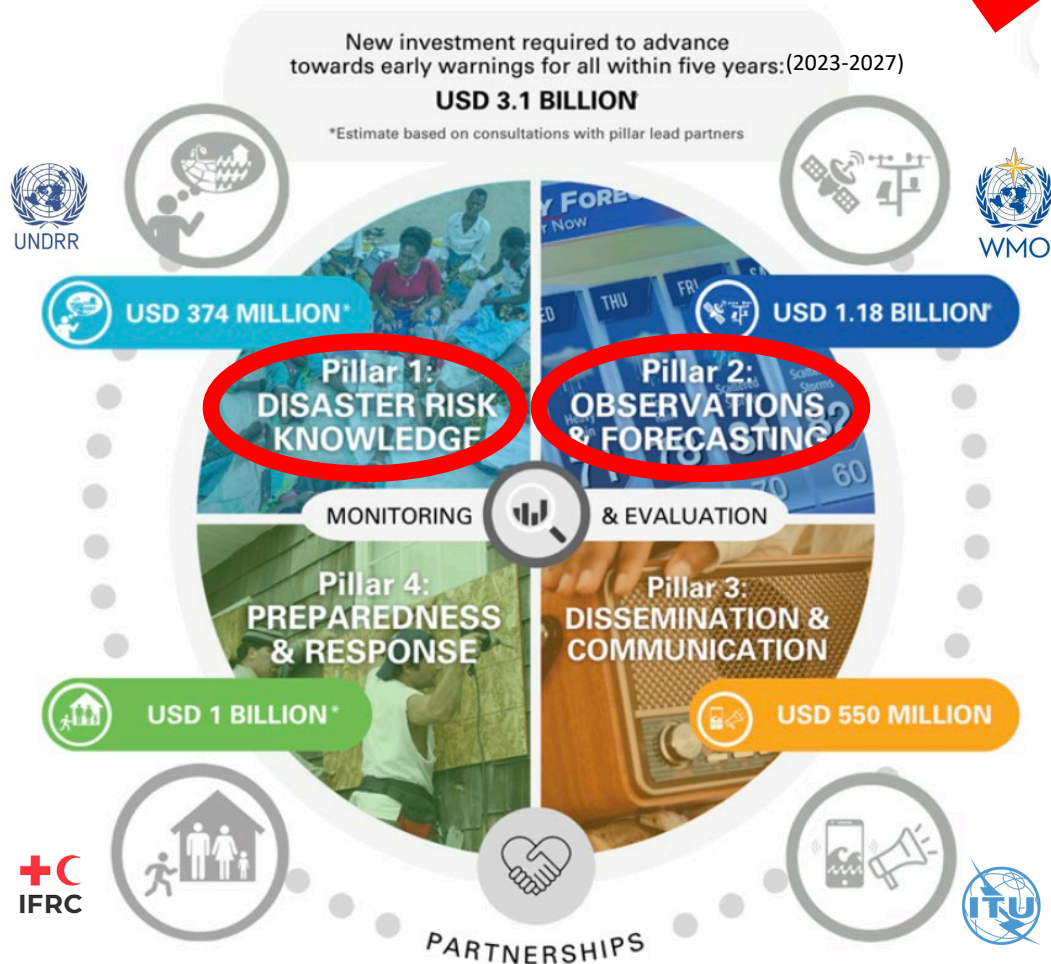
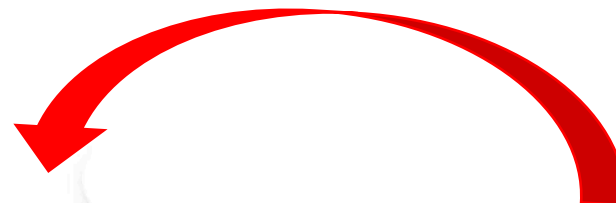


Figure 1: Budget overview for the four Pillars of the Early Warnings for All Initiative



## GEO GROUP ON EARTH OBSERVATIONS

in collaboration with the 4 leads and other implementing partners such as:



and

Joint Office

for Climate and Health

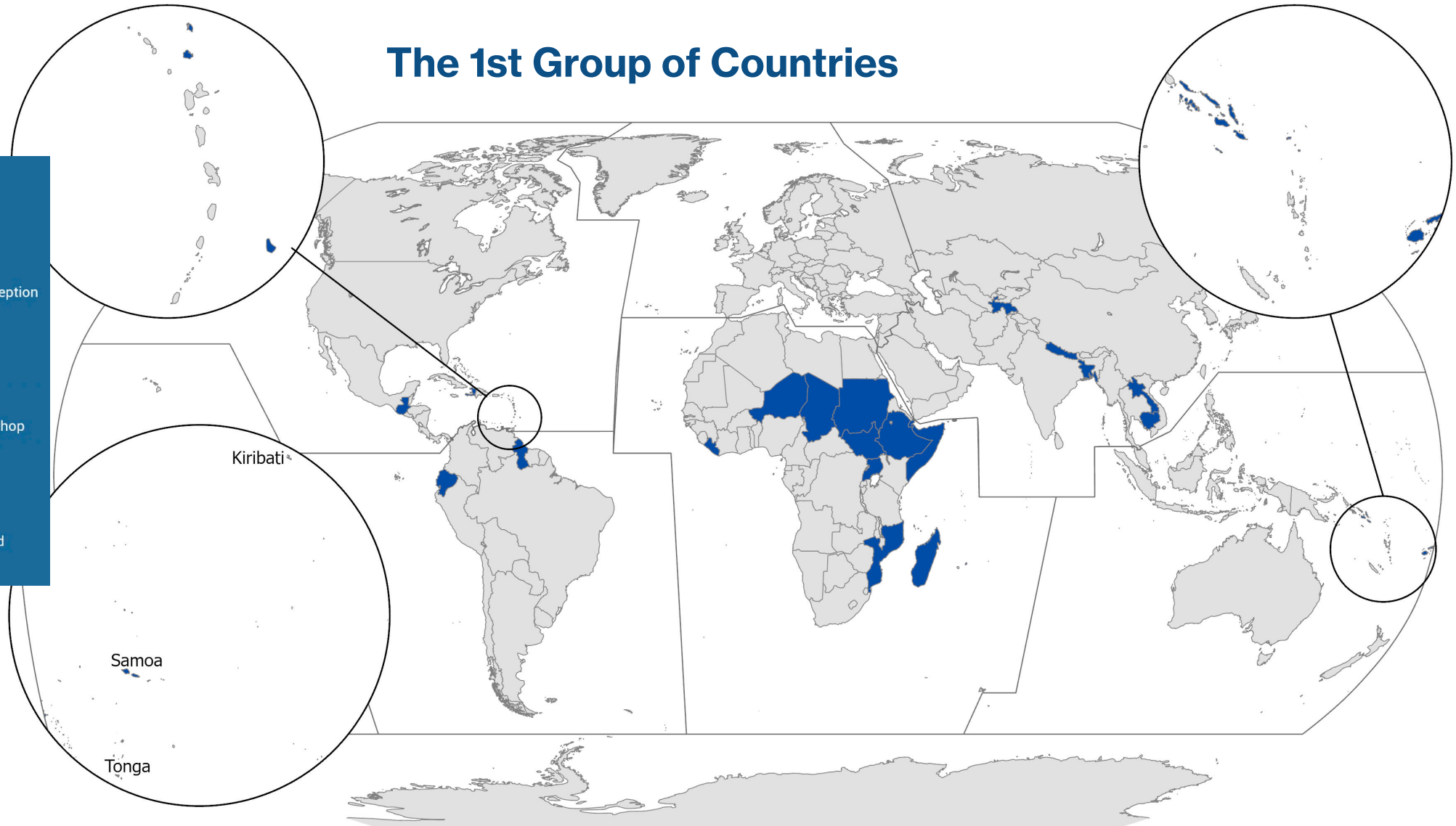
Heat Resilience Service (post-2025)



# The 1st Group of Countries

**EW4All Country Rollout:  
Forthcoming Workshops**

- 29 – 30 AUG Tajikistan National Workshop
- 30 AUG – 01 SEPT Ethiopia Launch of EW4All and Inception Workshop of W@H
- 14 – 15 SEPT Madagascar National Workshop
- 21 SEPT Laos National Workshop
- 21 – 22 SEPT Nepal National Workshop
- 28 – 29 SEPT Antigua & Barbuda National Workshop  
*(tentative)*
- 04 OCT Cambodia National Workshop
- 11 – 12 OCT Barbados National Workshop  
*(tentative)*
- 11 – 12 OCT South Sudan Launch of EW4All and Inception Workshop of W@H  
*(tentative)*

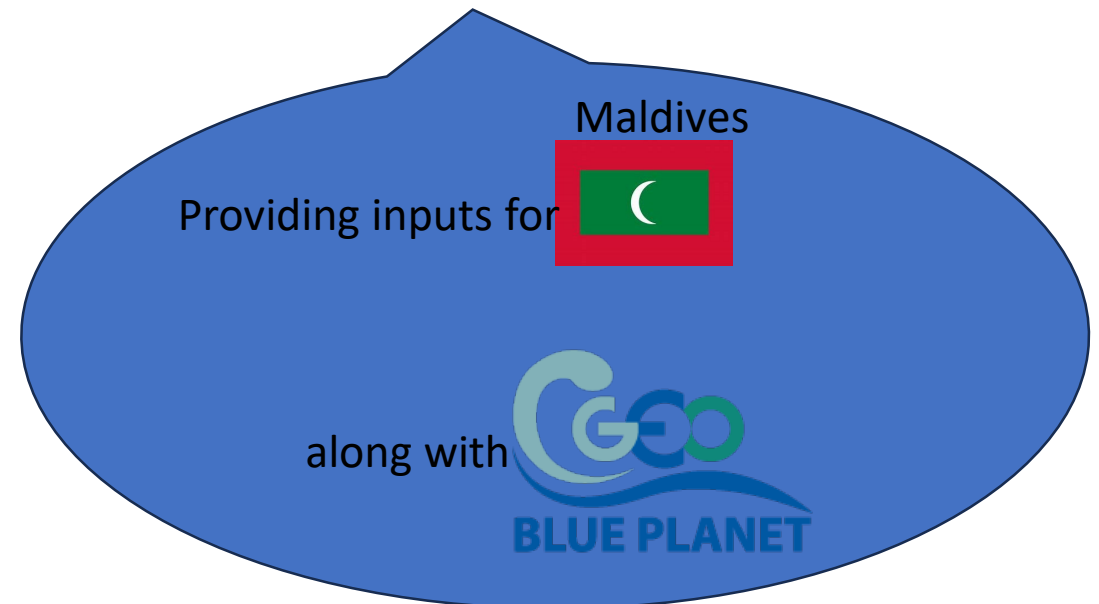


Africa  
Asia  
South America  
Central America & Caribbean  
South-West Pacific

<b>RAI(13)</b>	Chad	Comoros	Djibouti	Ethiopia	Liberia	Madagascar	Mauritius	Mozambique	Niger	Somalia	South Sudan	Sudan	Uganda
<b>RAII(6)</b>	Bangladesh	Cambodia	Lao People's Democratic Republic	Maldives	Nepal	Tajikistan							
<b>RAIII(2)</b>	Ecuador	Guyana											
<b>RAIV(4)</b>	Antigua Barbuda	Barbados	Haiti	Guatemala									
<b>RAV(5)</b>	Fiji	Kiribati	Samoa	Solomon Islands	Tonga								

# Connecting GEO efforts to the EW4ALL Initiative

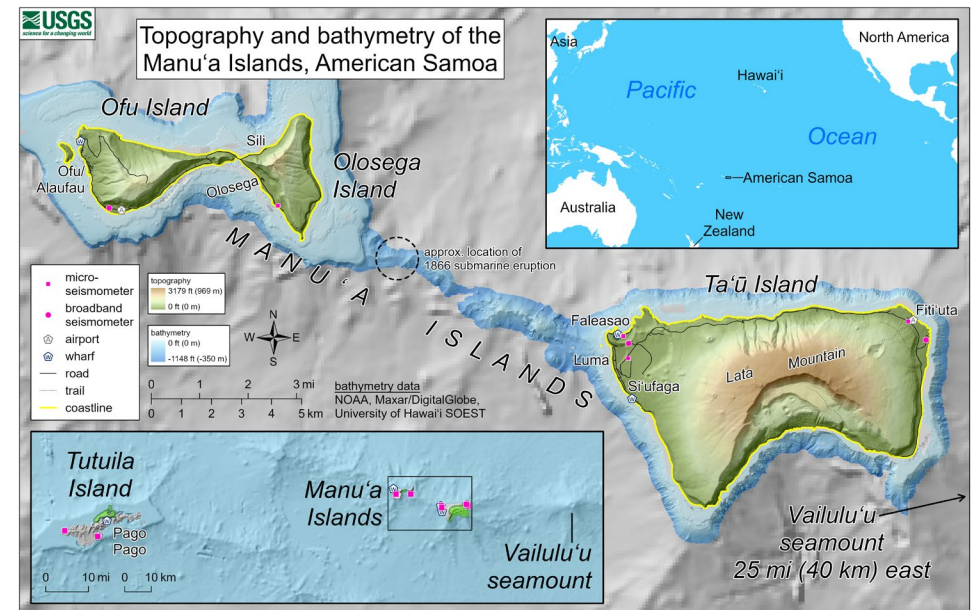
-   , especially in Pillar 2
- Global Heat Resilience Service and Ecosystem Atlas
- National GEO
- Data WG
- Indigenous GEO





# CEOS potential contribution

- Inventory of data and products available to monitor specific hazards and exposure/vulnerabilities
- Improved access to satellite data and products for all Earth System components  
*---i.e. Bathymetry and topography of SIDS (proxies)*





# PILLAR 1 STRUCTURE



## Disaster risk knowledge

Systematically collect data and undertake risk assessments

- Are the hazards and the vulnerabilities well known by the communities?
- What are the patterns and trends in these factors?
- Are risk maps and data widely available?





# Pillar 1: The Seven Risk Knowledge Outcome Themes



Production of Risk Knowledge **1**



Open Access to Risk Knowledge **2**



Use of RK for EWS **3**



Monitoring of effectiveness of EWS **4**



Strengthened collaboration for RK **5**



Inclusivity and Indigenous & local knowledge **6**



Innovation for Risk Knowledge **7**



co-leading with



also supported by



# UNFCCC TEC-GEO collaboration: A knowledge product on innovation for risk knowledge

- Assessing gaps in available risk knowledge in developing countries, especially in SIDS and LDCs with regards to the early warning systems
- Possible sources of info: GCF, AF, CREWS etc.
- Aiming to provide guidance/insights on how gaps could be overcome through utilizing existing and emerging technologies, tools and innovation
- Proposal to be discussed at TEC meeting (19-22 September) for formal approval
- Hoping to leverage GEO WGs

## Supporting the Early Warnings for All through innovation and transformational technologies: Knowledge product on innovation for risk knowledge

### Background note

#### I. Introduction

**DRAFT**

#### A. Background

1. As per activity A.3.1 of the TEC rolling workplan for 2023-2027<sup>1</sup>, the TEC plans to engage in work on emerging and transformational adaptation technologies by identifying and analysing emerging and transformational technologies for adaptation (e.g. early warning systems and disaster risk management), including the role of finance and the private sector in supporting their deployment. The TEC is to engage with potential partners in 2023 to identify areas for collaboration on the topic of emerging and transformational adaptation technologies that contribute to reducing vulnerabilities and strengthening resilience. A related knowledge product is expected to be published in 2024.

2. At TEC 26<sup>2</sup>, the TEC considered several presentations containing potential focus areas for future work of the TEC on emerging and transformational adaptation technologies, including outcomes of a deep-dive session on early warning systems at the 2023 GSTIC conference, organized by the TEC in collaboration with the UNFCCC children and youth constituency. The TEC agreed to continue its work on emerging and transformational adaptation technologies with a focus on early warning systems, taking into account insights from the work of relevant actors under and outside of the UNFCCC on multi-hazard early warning systems (MHEWS), i.e. the Early Warnings for All Initiative<sup>3</sup> (#EW4ALL) launched by the UN Secretary General at COP27, and potential linkages with other activities of the TEC including the work on water-food-energy systems, digitalization, and oceans. A TEC activity group has been tasked with pursuing this work.

3. Subsequently, the TEC, through the UNFCCC secretariat, has joined the #EW4ALL as an implementing partner to pursue synergies and collaboration in the implementation of this activity of its workplan, while contributing to the overall work of the #EW4ALL and its partners, as appropriate. In particular, the TEC has embarked on a collaborative partnership with the Group on Earth Observation (GEO) for the development of the abovementioned knowledge product, with a focus on innovation for risk knowledge. GEO is a co-lead of activities on innovation for risk knowledge under one of the four #EW4ALL groups: Pillar 1 on Disaster Risk Knowledge and Management.

4. Other envisaged activities under #EW4ALL related to innovation for risk knowledge throughout 2023-2024, to which the TEC may contribute as appropriate, are: a) a global workshop on how to bring risk knowledge innovation to resource-constrained contexts; b) partnerships with private sector, academia and other technology actors to introduce and apply innovative technologies for risk knowledge (e.g. GIS, remote-sensing, drone data collection, etc.), and c) country-based

<sup>1</sup> Available at: <https://unfccc.int/tc/tec/workplan>

<sup>2</sup> Meeting documents and report available at: <https://unfccc.int/tc/tec/meetings.html>

<sup>3</sup> More information available at: <https://public.wms.int/en/earlywarningsforall>



Thank you