



Committee on Earth Observation Satellites

GEO-DARMA Update and Status

WG Disasters 14

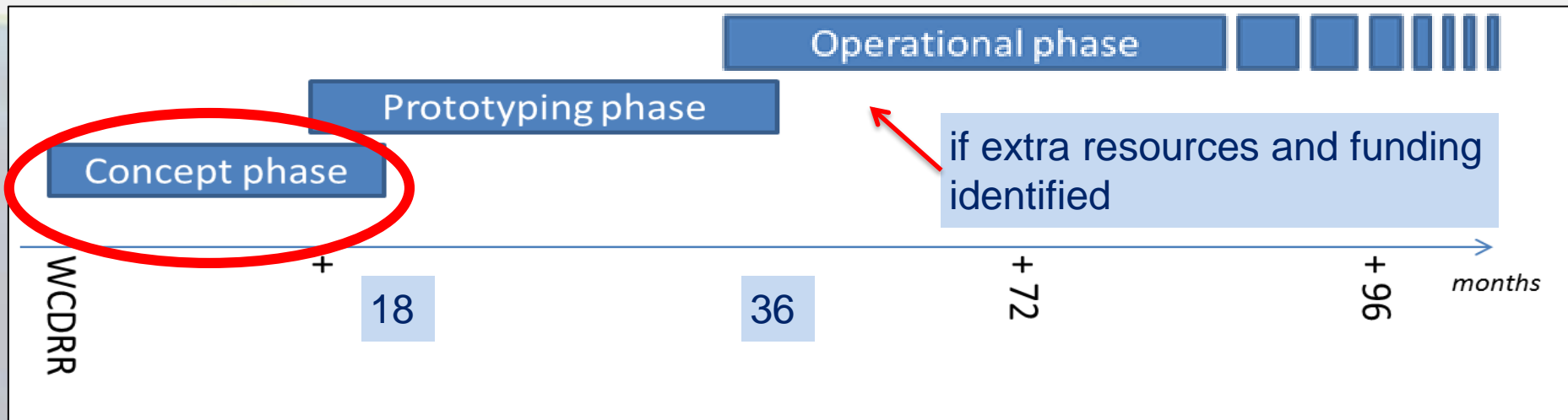
2 September, 2020 –
Teleconference

Ivan Petiteville, Chair, GEO-DARMA SC
Andrew Eddy, Secretary, GEO-DARMA SC





- **Concept phase completed for all regions.**
- **Prototyping phase underway:**
 - 1 project approved (Asia – GD-1 SERVIR Mekong)
 - Several projects under development/in consolidation in Asia, Africa and Latin America/Caribbean.
- **Iterative process: new projects welcome anytime within identified DRR priorities from concept phase.**





- Regional assessments provide consensus on regional priorities
- Regional DRR priorities serve as filter for project selection, along with other criteria (ease of implementation, resources, impact/benefits, scalability, etc)
- New projects reviewed by SC for coherence with regional assessments. SC recommends projects for implementation.



- **For each project, champion presents:**
 - Alignment with regional priorities as identified in regional assessments
 - Ease of implementation
 - Ability of CEOS and other data providers to meet needs
 - Resourcing (finance, in-kind contribution, maturity of project development)
 - Benefits (cost benefits, societal benefits,...



GEO-DARMA presented to Programme Board review team and GEO-Sec on 24 August:

- **Review Team congratulated GEO-DARMA on strong relationships with regional institutions.**
- **Projects have been slow to start due to funding problems and now COVID.**
- **Prospects for better results in 2021 in Africa (PRIDE) and Asia (UNGGIM).**
- **Recommends selecting priorities and pushing for faster implementation for those projects.**



- **GD-1 SERVIR Mekong:** RSAT-2 data request submitted, but events of interest had no archived data. New request being formulated. Possible issue with RSAT data policy.
- **ESCAP: UNGGIM** new project proposal (tied to SDG monitoring and developing standard data collection practices integrating statistics and geospatial data) still on-going. ESCAP now heavily involved in Talanoa Outcome Statement Process (strong linkages to GEO). GEO set up a Pacific Engagement Advisory Group, and ESCAP will work with AOGEO, Geoscience Australia and Secretariat of Pacific Community (SPC) in this regard. ESCAP-led GEO-DARMA initiatives likely to be rolled into that effort.
- **PRIDE (RCMRD, Africa):** proposal recirculated to identify funding partners; strong interest from University of Bonn and University of Bochum. Funding proposal under development.
- **LAC:** Agreement in principle to work with UNDRR Americas, CDEMA, CEPREDENAC and Andean Community on Regional Assessment for Latin America/Caribbean but COVID has created funding gap.

- **ESCAP designated Secretariat of the UN-GGIM-AP since Nov. 2018.**
- **ESCAP is working on integrating geospatial information with statistics and other ground data for resilience building and sustainable development.**
- **ESCAP received fund from China and Russian Federation on developing common data format for integrated geospatial information and land account and SDG monitoring.**
- **Interest at ESCAP to develop partnership with GEO-DARMA for spatial component.**



- **GEO-DARMA Steering Committee Renewal:**
 - ✓ Ronald Jackson of CDEMA, John Kiema of RCMRD and Joe Leitmann of GFDRR all left in 2020. Need to seek new members, possibly from other organisations, to broaden GEO-DARMA reach and support new proposal development
- **Funding crunch:**
 - ✓ Funding already a challenge with regional institutions expected to fund value adding for satellite-derived products
 - ✓ COVID has created project delays and in some cases (e.g. CEPREDENAC) caused funding to be re-allocated to COVID-related projects, creating shortfalls
- **Next steps:**
 - ✓ GEO Programme review team recommendations to be implemented: push to start PRIDE and UNGGIM projects in early 2021
 - ✓ Renewal of SC to be used as opportunity to identify new champions for GEO-DARMA funding



Thank you!

ivan.petiteville@esa.int

andrew.eddy@athenaglobal.com





Projects	Champion	Status
<i>Asia</i>		
GD1. Developing Collaborative Mechanism and Tool for Near-real time Flood Monitoring in Southeast Asia (The Mekong Flood Project)	ADPC ²	Approved. RSAT-2 data request could not be fulfilled. New request being formulated.
Integrating the Sustainable Development Goals into local action in support of the implementation of the 2030 Agenda in Asia and Pacific (monitoring suburban areas)	ESCAP ² and UN-Habitat ²	<i>Satellite imagery no longer considered necessary.</i>
Coastal erosion mapping in Kiribati and other island states	ESCAP, Ministry of Fisheries and Marine Resources (Kiribati) ²	<i>Project not currently funded – to be re-assessed in 2021</i>
SDG monitoring with geospatial indicators – common platform	ESCAP-UNGGIM ²	<i>Possible role of GD being examined.</i>



Projects	Champion	Status
<i>Africa</i>		
PRIDE (Program for disaster Risk Informed Decision-making, Engagement and Communication)	RCMRD [?]	<i>Seeking partners and 100k budget. Renewed interest through DLR and German universities</i>
<i>Latin America/Caribbean</i>	[?]	
Geospatial Component of the Regional Information System (RMEGIR) – PLAT_CEPREDENAC	CEPREDENAC [?]	<i>Defining potential GD role for risk monitoring of seven central American cities; interest in high-res DEM (Guatemala City). Project funding suspended due to COVID.</i>
Caribbean Risk Information System (CRIS)	CDEMA [?]	<i>Project seeking funding. Clear role for GD data.</i>