





## Deliverable: Strategic paper

*“Promoting Space Data for Disaster Risk Management”*

## Way forward

- *Increase data access, use and utility*

## Workplan implementation

- *Supports outcomes of WG Pilot and demonstration projects;*
- *Aligns with GEO, Sendai and SDGs*

## Implications and Value

- *Facilitates engagement with users and decision makers;*
- *Guides data policy/business evolution;*
- *Informs gap-filling observations and background missions; data and information systems design; analysis ready data*

## Content

- Introduction and background
- Stakeholder and Partner Engagement
- Open and Free Data Access
- Licensed and Commercial Data Access
- Applications, Services and Exploitation Platforms
- Earth Observation Gaps in Disaster Risk Management
- Findings and conclusions



## Based on successful national pilot

- *Haiti Recovery Observatory Pilot*
- Stakeholder feedback & lessons captured

## Deliverable: Implementation plan

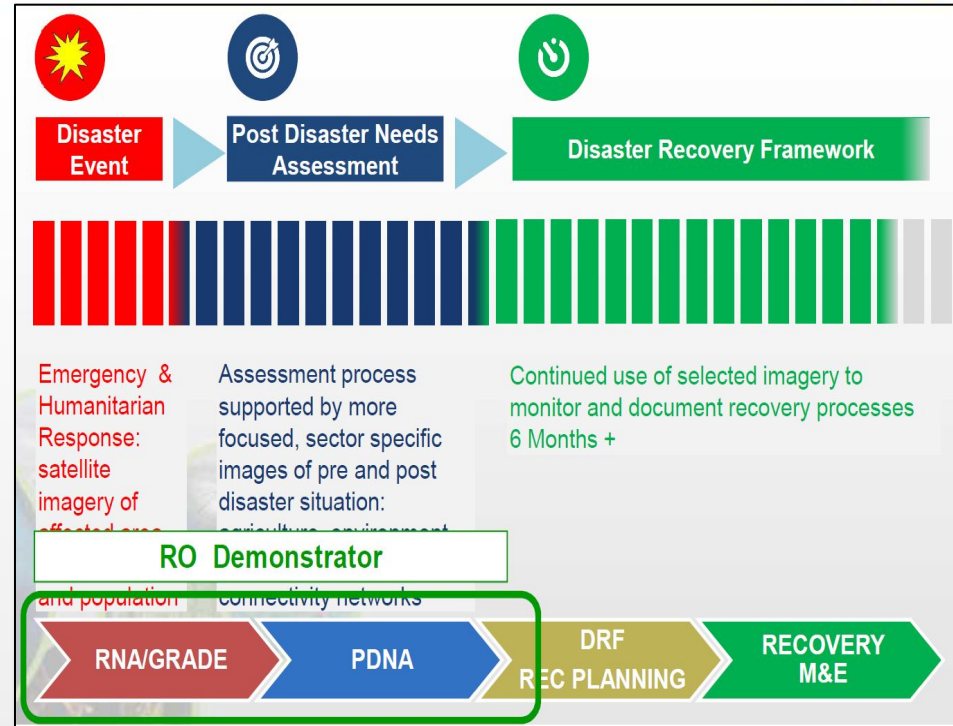
- *Generic Recovery Observatory*

## Way forward and Workplan

- *Demonstrate reproducibility and global extension for disaster recovery*

## Implications and Value

- *Increased access to data for communities and areas highly impacted (data plan)*
- *Timely data use to inform early action and intervention, guide humanitarian relief, disaster assistance and reconstruction for early and sustained recover;*
- *Support capacity and resilience development*
- *Continuity and full complementarity with the International Charter and other services dedicated to emergency response and disaster risk management*





## Deliverable: Implementation plan

- *Geostationary/Low Earth Orbit/ Synthetic Aperture Radar Flood Risk Pilot*

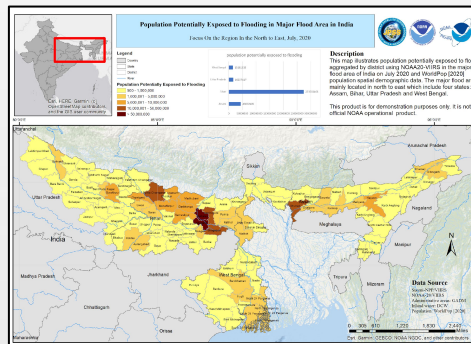
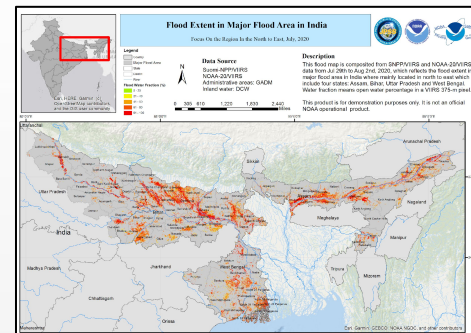
## Way forward and Workplan

- *Collaborative project with regional case studies*
- *Examine the feasibility of sharing and integrating optical, SAR and geostationary methodologies (CEOS, CGMS, and other private sector)*
- *Assess new tools to inform flood risk mapping and disaster risk management*

## Implications and Value

- *Capture best practices for sharing data; combining information products from multiple sources (data plan)*
- *Engage national and regional stakeholders*
- *Partner with WGISS & SEO for interoperability, Coastal/Water, WGCapD; leverage GEO activities, and Int'l Charter methodologies and agreements*

*Pilot Regions: India, US/Canada, Argentina/Paraguay/Bolivia, Balkans, Myanmar...*



*Example India case study : Flood composites and impacted population estimates from NOAA VIIRS, India. Flood Pilot will integrate additional satellite sources, including SAR, to improve representativeness and accuracy*



Committee on Earth Observation Satellites

# Questions / Discussion

David Green, NASA, WGDisasters Chair

CEOS SIT Technical Workshop 2020

Session 3.3 Agenda Item #3

Virtual Meeting

7-11 and 14-18 September 2020

