



Committee on Earth Observation Satellites

Generic Recovery Observatory (G-RO) – Concept Overview and Next Steps

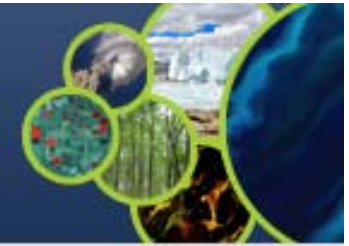
Presentation to WGD #10
Naples, September 5th, 2018

Helene de Boissezon, CNES
Andrew Eddy, RO Secretary
Agwilh Collet, CNES





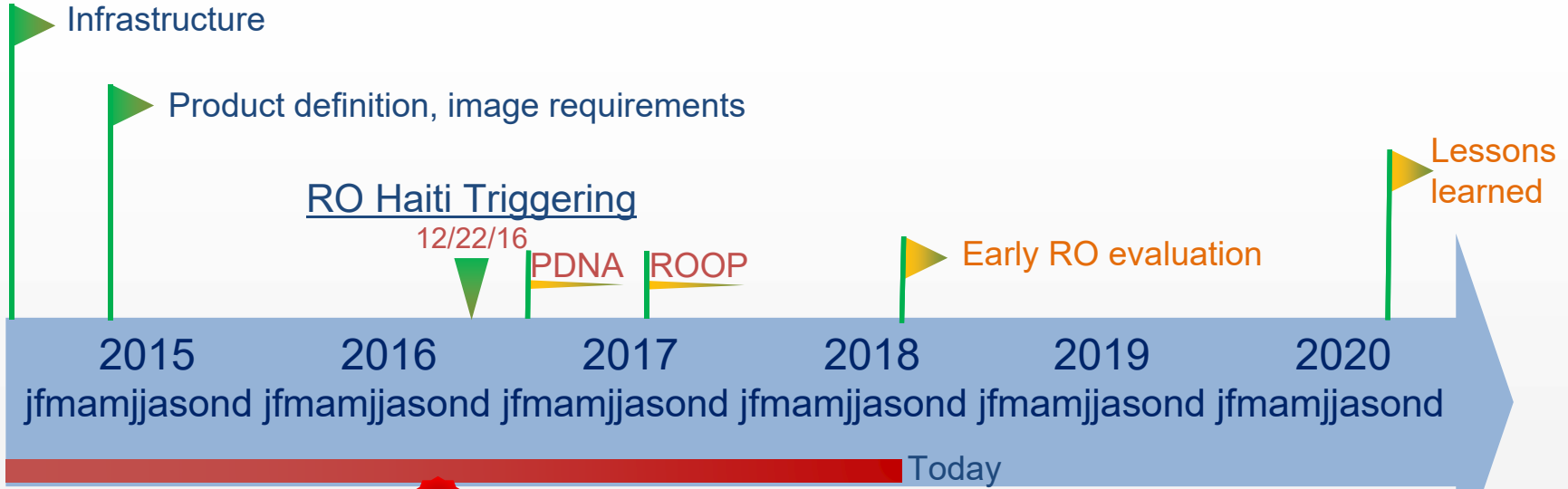
Background



- CEOS RO experience includes two small demonstrators (Malawi and Nepal) and one fully developed RO (Haiti – 4 years); CEOS has collaborated with WB/GFDRR and UNDP since 2015 on the RO concept
- UNOSAT developing specific Recovery products and training for UN
- Copernicus EMS Risk and Recovery mapping service
- Strong interest within international stakeholder community (GFDRR, IFRC, UN) for increased use of satellite data during early Recovery



Haiti RO and G-RO Timeline



Hurricane Matthew in Haïti
10/04/16

Malawi, Nepal Demonstrators

Missions to Haiti (2 to 3 per year)

External Missions



Technical Review
5-8 Dec

1st
31 Jan – 3 Feb

1st User Workshop
29 May – 2 June

2nd User Workshop
8 – 11 May

Generic RO discussion
WB + UNDP DC + NYC (date TBC) 3



- Develop a Generic, replicable Recovery Observatory that could be triggered by international aid and development organizations in support of major recovery efforts ~ two to six (nb TBD) times a year
 - Ensure quick and easy access to EO data and specific, pre-conceived recovery products for a limited time (from end of Charter activation to six months after event)
 - Provide support to Post Disaster Needs Assessment process and early recovery planning
 - Ensure ad hoc Capacity Building towards local users



Issues



- Number of activations /effort
- Duration of each RO activation (up to six months?
Until Recovery Plan is adopted by national government?)
- Data access/cost
- Funding for activations
- Value adding
- End user involvement (international stakeholders vs national government)
- Management/leadership
- Link to Charter and Copernicus



G-RO ad hoc Group



- Discussed at UR2018 in Mexico – under development now
- Aims to work within recovery community to define a sustainable vision for increased use of satellite EO in support of recovery.
- First telcon planned for September; first meeting planned for late October
- First order of business – draft a White Paper documenting existing experience using EO for recovery

Generic RO ad hoc group (under constitution)

- GFDRR/WB: Joe Leitmann, Mare Lo, Hemang Karelia
- CEOS WGD RO leader : H el ene de Boissezon (CNES), Andrew Eddy (CEOS WGD, RO Sec)
- WB: Roland Bradshaw, Claudia Soto, Sergio Dell'Anna
- UE/CE: Ricardo Zapata-Marti, Fran oise Villette, Peter Spruyt, Pierre Norzeron
- UNDP: Chiara Mellucci, Krishna Vatsa, Martine Therer
- UNOSAT: Einar Bjorgo, Luca Dell' Oro, Samir Belabbes
- IRCRC : TBD
- CEOS WGD Leader: Simona Zoffoli (ASI)
- CEOS WGD Data Coordination Team: Jens Danzeglocke (DLR)



White Paper overview



Preface (author to be confirmed)

Introduction (recovery and need for recovery support)

The concept of a Recovery Observatory

**The CEOS Hurricane Matthew Recovery Observatory
in Haiti**

Other recovery experiences

Lessons learned and challenges

Possible concepts for a generic RO – an outline

Conclusion (next steps and process to move forward)

A photograph of a sunset over a tropical landscape. The sun is low on the horizon, partially obscured by large, dark, dramatic clouds. The sky is filled with warm, golden light. In the foreground, there are dark silhouettes of palm trees and other tropical vegetation. The background shows rolling hills and a distant town or village.

Mèsi!
Thank you!
Merci!