



Committee on Earth Observation Satellites

WGDisasters Telecon #27

RO Pilot and Demonstrator progress

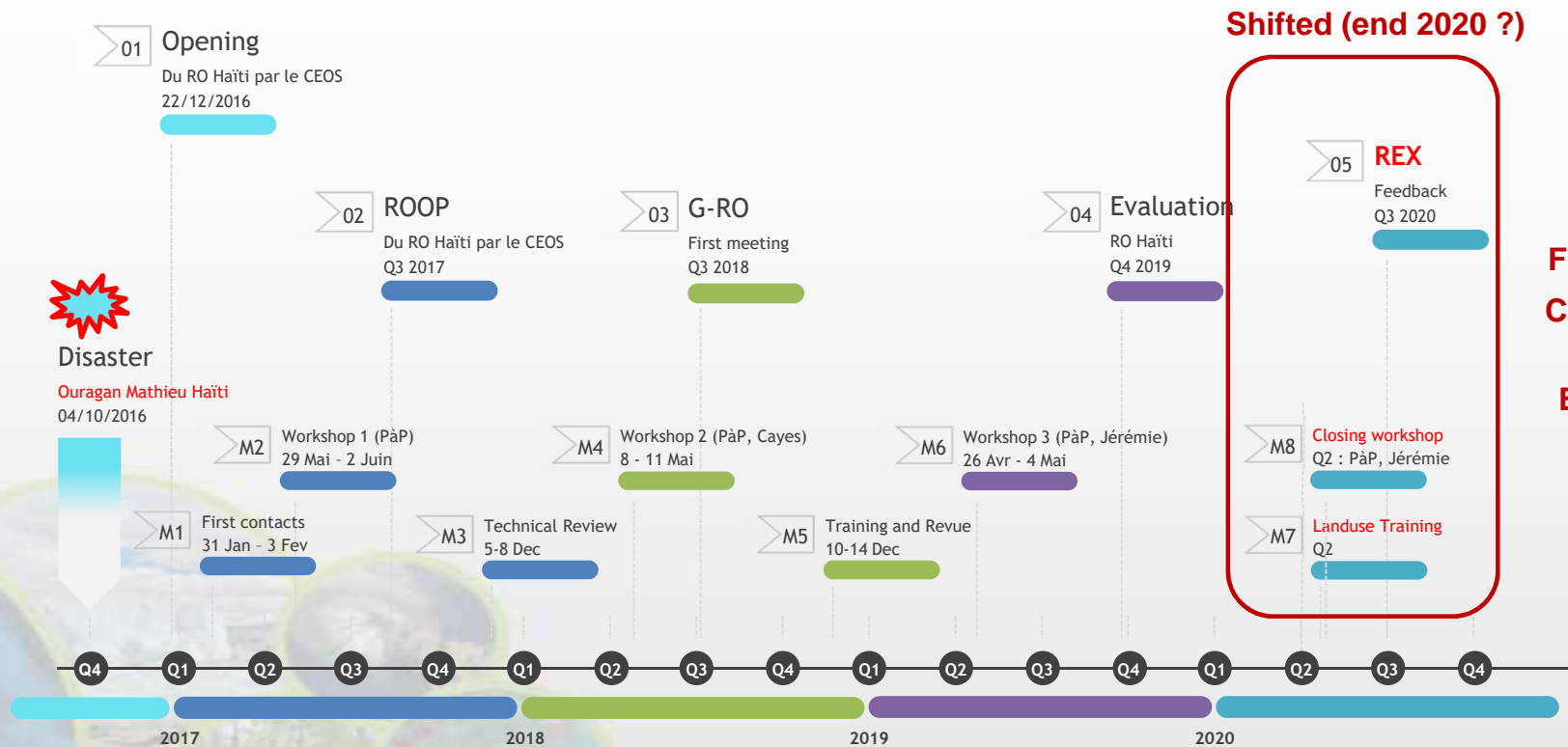
de Boissezon Helene

CNES

Location [Virtual]

07 July 2020





Shifted (end 2020 ?)

Final present.
CEOS plenary
Q4 2020 ?
Early 2021 ?

RO post Matthew
Definition and
Implementation

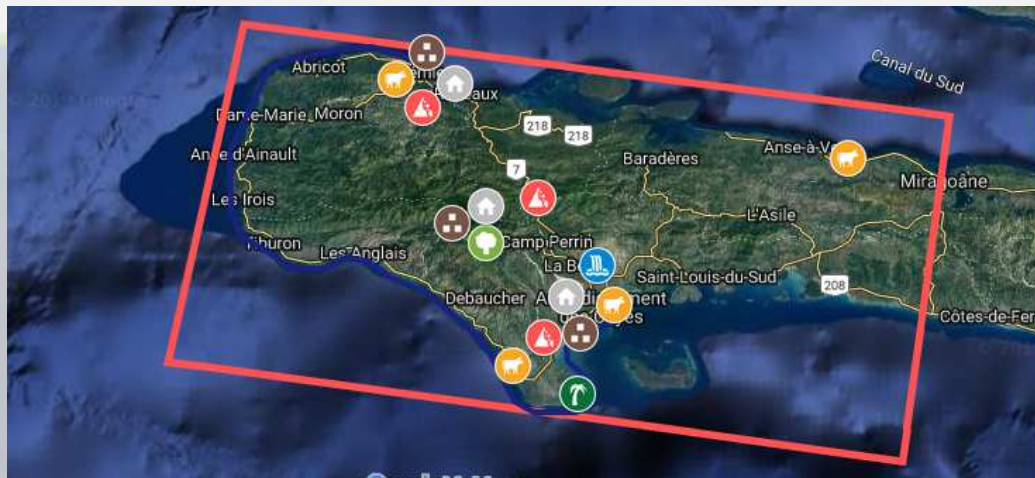
RO post Matthew
Commissioning

RO post Matthew Operations
Lessons learnt for G-RO

RO legs
G-RO
concept



- **Covid 19 impact** : Capacity Building session and Closure workshop postponed (end 20 ?)
- **CEMS Risk & Recovery Mapping** (EMSN063) on agriculture and Macaya park : results delivered – under review by Haitian partners for feedback to CEMS
- Links with **WB Haiti post Matthew projects on agriculture / capacity building**: (ongoing)
- Links with **IADB Haiti projects on environment**: Parc Macaya /Ground Movement (on going)
- Links with **UNEP / ONEV - Environmental Information System** : several layers related to RO
- Integration into the **Web server** of the last products



Capacity Building: training through WB project: OK
+ ASI/CIMA (TBD) + CNES/SERTIT (TBD)

Final workshop : end 20? in Haiti or virtual ?
High-level and decision makers outreach

Future (possible) actions initiated by RO Haiti :

- NASA Air Quality research project (Hawaii, Haiti) ?
- NOAA Vector borne diseases risk maps with Ministry of Health ?

CEOS RO Demonstrator

- Presentation of **RO Demonstrator** at **CEOS SIT #35 April 2020** – approved in principle - Implementation plan to be built (on going)
- **Case study of recent PDNAs / RPBA / GRADEs** and **survey of past rapid assessment leaders** : ongoing
- Meetings with :
 - EU / EC contact person at FPI/PDNA-RPBA (Claes.Andersson) and consultant team (Particip)
 - RO Demonstrator group mtg #6 (that replaces Generic RO ad hoc group : same persons)
 - World Bank D-RAS team and ESA representative at WB for EO4SD and EO Clinic
 - RO demonstrator group mtg #7 (June 17th)
- Demonstrator will be **triggered by PDNA planning teams** who will propose events for support : *process to be defined in the implementation plan*
- **Linkages with other programs and resources** initiated (ESA/EO Clinic, ESA/GDA) and on going (letters sent to the international Charter, Copernicus EMS – to be completed with info to Sentinel Asia, Foundations,)

- **CEOS WGD RO Demo** lead: H el ene de Boissezon (CNES), Andrew Eddy (RO Sec, Consultant to CNES)
- **WB:** Rashmin Gunasekera, Claudia Soto, Christoph Aubrecht (ESA liaison)
- **GFDRR:** Mare Lo, Elad Shenfeld
- **EU/EC:** Dominique Blariaux, Thomas Hockley, Peter Spruyt
- **UNDP:** Rita Missal
- **UNOSAT:** Samir Belabbes, Einar Bjorgo
- **NASA:** Jean-Paul Vernier

- **CEOS WGD Leader:** David Green / Dave Borges (NASA)
- **CEOS WGD Data Coordination Team:** Pierric Ferrier (CNES)

- **GEO Sec:** Steven Ramage (waiting for GEO Disaster focal point)

RO Demonstrator – Overview, Current actions and next steps



- **Contributions from stakeholders** (under discussion WB, UNDP, EU) and **CEOS partners** (data and value-adding resources: ASI, CNES, CSA/CCMEO, DLR, EC Copernicus, ESA,)
- **RO demonstrator activations** extend Charter / Copernicus observations to complete damage assessment and support Recovery planning (~ **3-6 months – range of disasters, geography, assessment types**)
- **1st RO demonstrator test late 2020/ early 2021** using ESA's EO Clinic ;
3 to 5 demonstrations over 2021-2023 (~ 3 years)
- **Report to CEOS Plenary** (2023) and to other partners - recommendations for sustainable on-going use of satellites for Recovery

Current tasks :

- **Survey recent PDNAs / RPBA's / GRADEs and interview of leaders**
- **RO Demonstrator Implementation Plan and Concept Paper**
- **Suggested changes to PDNA Guidelines**