

CEOS Recovery Observatory
Semestrial Report Q4/2015-Q1/2016

Recovery Observatory – report of the Recovery Observatory Oversight Team (ROOT)		
March 2016	Catherine Proy, Steven Hosford, ROOT Chair (CNES)	Collaborating organizations: ASI, CNES, DLR, ESA, JAXA, NASA, USGS, UNOSAT, UNDP, GFDRR, EC
<p>Achievements:</p> <ul style="list-style-type: none"> • New members joined in fall 2015: USGS and EC • IT infrastructure updated fall 2015 with new data formats – RO is ready to be triggered if required • Formal triggering procedure approved by 2015 Plenary November 2015 • Agreement in Washington at working session (held Dec 10th in Washington, DC) to explore possible “demonstrator” that would showcase EO-based products and demonstrate savings or improved results from satellites <ul style="list-style-type: none"> ○ Several possible pilot locations discussed, including Malawi, Mozambique, India, Vanuatu, Dominica, Niger, and others ○ WB/GFDRR sent project level documents for analysis of potential EO-contribution ○ Short list of India, Mozambique and Malawi established • Discussion with GFDRR led to selection of Malawi as first possible demonstrator • Discussions engaged with local and DC-based Bank personnel to confirm Malawi government interest • Malawi collaboration to begin in March – possible pre-cursor to RO triggering, or limited to demonstrator; review in June/September 2016 		
<p>Activities and Status:</p> <ul style="list-style-type: none"> • Recovery Observatory ready for triggering since 1 January, 2015 • Collaboration attempted on Cyclone Pam (Vanuatu, March/April 2015 – see Lessons Learned Report), highlighting contradictions between Rapid Assessment and Recovery support; • Working session held with DRM stakeholders (GFDRR, WB, UNDP) in Washington December 2015; • CNES-commissioned study on RO product definition and image requirements presented to DRM stakeholders (not finalized); • Demonstration to begin March 2016 (Malawi); • Triggering of the RO after a major event or as follow-on to demonstration work in Malawi (in 2016); • Evaluation at RO + 6 months; 		

<ul style="list-style-type: none"> Lessons learned and sustainability strategy after evaluation of 1st RO 		
Data accessed this Q (#images /satellite) No new data accessed or programmed; Kal-Haiti data set uploaded to demonstration version of RO for data sampling; data will be used in Malawi (both archived imagery and new acquisitions) – will be reported next semester	Total data accessed to date (#images /satellite) N/A	
Products: Sample products planned for March 2016	User DoDMA/Government of Malawi	User or practitioner endorsement N/A
Dissemination: will contribute to CEOS session at UR May 2016		
List objective milestones and state progress to date (%) Cooperation on support to recovery efforts – planned and begun 30% New collaboration begun early 2016 after December working session in DC Establishment of RO IT infrastructure – 80% for v2 (including new data format work; sample database established for Haiti)		
Issues identified and risk management approach <ul style="list-style-type: none"> Value adding contributions will be critical and will require some funding still to be identified either from stakeholders, satellite agencies or other supporters of RO. ROOT secretariat has begun informal discussions with potential contributors. Further discussions necessary. Data licensing harmonization remains an issue but not a showstopper. Malawi collaboration relies on strong end user input, which is critical to success. 		