**Satellite-based EO for DRM**

**Lessons Learned from the CEOS Pilots**

**(“the glossy”)**

Draft as of 7 March, 2016

**Scope:** results and outcomes of the five pilots (four themes and RO); recommendations going forward.

**Audience:** DRM stakeholders and practitioners, development actors, EO partners.

**Schedule:** development spring and summer 2016; could be presented at the Plenary in November 2016 (electronic or final printed? 4 month delay for production).

**Proposed Table of Contents** (estimated total length about 22 pages + references, credits):

**Foreword** – (joint message from CSA (DG Space utilization) and ESA (publication sponsor)) 1 page

**1.** **Introduction** – (S. Chalifoux et I. Petiteville) about 3 pages

About CEOS (1 page)

A - Historical progression of CEOS disaster activities  *… before the WG …*

B - CEOS Working Group on Disasters  *… the WG and its pilot activities…*

C – Contributors, acknowledgements

**2. The CEOS Thematic Pilots** (joint text by thematic pilot leads, 2 pages per pilot, 3 pilots, about 6 pages): Context, Objectives, Outcomes and Results (Pilot Leaders): why were they needed, what was done, what was achieved (high-level)

**3. The Recovery Observatory:** why a different approach? Why recovery? What has been achieved (RO leads, about 2 pages)

**4. A User Perspective** (2 page, illustrated success stories, one or two each from each of the pilots (3 + RO), describing in a user’s words the usefulness of the EO-based outcomes achieved in their own operational context, including user quotes, about 10 pages). Some suggestions:

Volcano Pilot: testimonial of a national volcano observatory - evaluation of Latin American arc monitoring to compare arc-wide approach with volcano by volcano ad hoc approach – testimony from local volcano observatories

Flood Pilot: perspective of Namibia Department of Hydrology - integration of satellite data to existing flood risk management approach has changed warning and response to disasters in Namibia; integrated satellite-based approach in Bandung has led to multi-hazard analysis and improved flood forecasting; other?

Seismic Pilot: from a science user – explain how development of cloud-based exploitation platform allowed new seismic applications impossible without big data approach

Recovery Observatory: Government of Malawi/GFDRR presenting how satellite-based monitoring of recovery saves resources and provides better product for long-term recovery monitoring

**5. Emerging challenges, conclusion and perspectives** (S. Chalifoux & I. Petiteville) (where are w eheaded, how can things link together, new projects with elements of existing initiatives e.g. GEO-DARMA) about 2 pages