

Evaluation of pilot success/results – Sustainability strategy

Background presentation for WG Disasters#5, Bonn

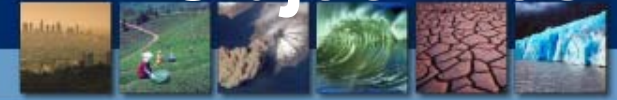


Stephane Chalifoux, WGD Chair
Ivan Petiteville, GEO-DARMA lead
Andrew Eddy, WGD Secretary





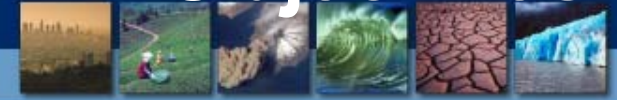
Objective/Deliverable	Projected Completion Date	Background Information
<p>DIS-10: Implementation of Data Acquisition Plan in support to DRM pilots, data coordination for GNSL supersites</p>	<p>Q4 - 2016</p>	<p>A strategic data acquisition plan in response to the floods, seismic hazards, and volcanoes pilots' EO requirements was endorsed at SIT-29. This plan will be updated to reflect the landslides pilot endorsed at the 29th CEOS Plenary Meeting.</p> <p>Potential proposals for new GSNL activities (i.e. new permanent & event Supersites) aiming at expanding the objectives of the current pilots will be assessed by the Data Coordination Team and the various pilot teams in due time. The assessment will be done following the procedures endorsed by CEOS.</p> <p>The status of implementation of the plan, and of the pilots and supersites being supported, will be reported at SIT-31 and at the 30th CEOS Plenary Meeting.</p>



Objective/Deliverable	Projected Completion Date	Background Information
<p>DIS-12: Report on survey of donors for post-2016 operation of a Recovery Observatory</p>	<p>Q4 – 2017</p>	<p>WGDisasters will develop a survey of potential institutional donors to study the possible inclusion of additional hazards and the sustainability of Recovery Observatory activities for 2016 onwards. The survey will commence after the triggering of the Recovery Observatory.</p> <p>The findings of this survey will be presented in a lessons learnt report to Plenary to enable timely consideration by CEOS Agencies.</p>



Objective/Deliverable	Projected Completion Date	Background Information
<p>DIS-13: Report on follow-on actions to DRM Pilots</p>	<p>Q4 – 2017</p>	<p>The DRM Pilots are expected to provide important insights into where, and how, Earth observations from space can support the Disaster Risk Reduction community. A report will be prepared to summarise the learnings from these pilots, and to recommend pathways forward. In particular the report will focus on the elements necessary to the sustainability of operational solutions beyond 2017.</p>



Objective/Deliverable	Projected Completion Date	Background Information
<p>DIS-15: Support for GEO-DARMA identification of major hazards and DRR issues for each selected region</p>	<p>Q4 – 2017</p>	<p>During this period GEO-DARMA will seek independent identification of disaster risk management priorities at regional level (e.g. most prevalent hazards and most severe impact; hurdles in implementing effective DRR and resilience measures in the region) by authoritative Regional Institutions, in line with the priorities from the <i>Sendai Framework for Disaster Risk Reduction 2015-2030</i>.</p> <p>The accomplishment of the task will require the active support of major stakeholders in the field of disaster risk management at global, regional and national level on order to implement a series of pilot projects.</p>



Flood, Seismic Hazards, and Volcano Pilots approved by SIT April 2014 and run to end 2017

Recovery Observatory formally approved by plenary November 2015 and is expected to be triggered in 2016, to run for 3 to 5 years (2018-2020), with after 6 months (end 2016/early 2017)

Landslide pilot planning begun 2015; approval at plenary 2016; may run to end 2019

Some activities may continue, or be linked to new initiatives (e.g. GEO-DARMA, while others will cease

Vision for sustainability to be put forward early 2017 (SIT) for approval at 2017 Plenary



Both measurable and qualitative evaluation of pilots:

- **Evaluation against pilot objectives (incl. deliverables & milestones)**
 - Monitoring by Pilot Leads and regular reporting to WG in “semestrial report” and WG meetings and telcons: formal review of reporting should be instituted
- **Own qualitative judgment by thematic team and feedback from intermediate and end users – end user questionnaire to be developed for each thematic team, on basis of Volcano Pilot questionnaire**



- **Data use (volume and quality of images and products)**
- **User uptake (number of users and volume of products generated and used effectively)**
- **User engagement (actual use of products, willingness to contribute to sustainability strategy)**
- **Outside interest (willingness of stakeholders to finance activities)**
- **Objective accomplishments (changes to decision-making processes, effective DRM strategies influenced)**
- **Ease of implementation (does the path to sustainability come naturally? Is there a clear vision for how to transition from demonstration to viable on-going work?)**



Selection of significant results by Thematic team

- Publication on web site. Each pilot lead to provide ½ page general public summary and then a link to more detailed information.
- Current target is 4 or 5 web stories a year (could do more).
- Publication of articles in specialized scientific journals.
- Presentations at international meetings
- Glossy ‘pilot report’ highlighting pilot results to be published in late 2016, as a preparation of the pilot successor strategy for 2017.



Foreword

1. Introduction – (S. Chalifoux et I. Petiteville) about 3 pages
2. The CEOS Thematic Pilots (joint text by thematic pilot leads, 2 pages per pilot, 3 pilots, about 6 pages):
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).
5. Emerging challenges, conclusion and perspectives (S. Chalifoux & I. Petiteville) (where are we headed, how can things link together, new projects with elements of existing initiatives e.g. GEO-DARMA) about 2 pages



1 April – Table of Contents approved

1 June – 1st draft intro and description pieces

1 July – 1st draft stories and pictures

30 September – finished draft for production

1 February – release (presentation at SIT-32 in April)

Is this reasonable???



- **Several Pilot activities foreseen to end 2017**
- **Success does not necessarily imply sustainability: successful activities need to find ‘operational home’ outside pilots**
- **Successful activities might also be extended still as prototyping activities but in different frameworks such as GEO-DARMA**
- **Non-successful activities should be flagged and abandoned**
- **Formal report to be made to Plenary 2017, including web updates on status and successes of each pilot, and formal recommendations of WG Disasters on next steps (or not) for each pilot. Final report must be a complement to the Glossy Handbook), with CEOS Chair and members as audience (no formal print version). Summary results, lessons learned and recommended path forward.**