



RAPID ANALYSIS AND SPATIALISATION OF RISK

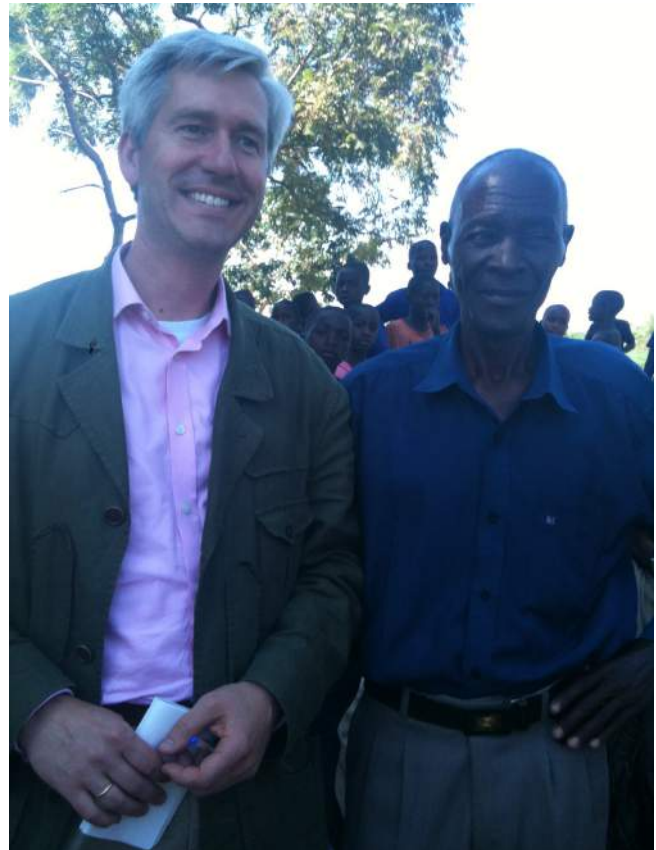


RASOR BEGINS PLANNING FOR APPLICATIONS IN MALAWI

The RASOR project began its first new application outside the FP7 Project by responding to a request for quote on flood modeling in Malawi. The project aims to bring RASOR flood risk management support to the regions along the western shore of Lake Malawi. Eventually, the project hopes to provide multi-hazard risk assessment both in the lakeshore regions and throughout Malawi.

RASOR Project Manager Andrew Eddy joined a team from the World Bank to explore user needs with local district managers in Karonga, Salima and Mangochi, and the team, also visited sites flooded during the catastrophic events of early 2015. The mission was an opportunity to discuss user requirements for comprehensive risk assessment at the local, regional and national level, and the results will be included in future planning for RASOR work in Malawi. RASOR's comprehensive disaster risk management services are currently being developed in five areas within the context of the EU funded FP7 Project. Work in Malawi is the first example of RASOR being applied outside the project, in this case for flooding, in a project sponsored by the GFDRR. The project was made possible through the provision of the TanDEM-x Digital Elevation model by Airbus Defence and Space, a key partner in RASOR Phase 2 Operational

Service Provision. Ultimately, the RASOR Consortium aims to offer free disaster risk management services to the global DRM community using the open access RASOR platform.



RASOR Project Manager Andrew Eddy meets with local officials in a village near Karonga, Malawi



RASOR USER WORKSHOP A CLEAR SUCCESS

The RASOR project hosted its first user workshop on 8 and 9 June, 2015. Some 20 users from a wide range of backgrounds joined members of the RASOR Consortium in exercises to demonstrate the risk assessment capabilities of the RASOR platform. Users came from national civil protection agencies (such as those of Jamaica, Italy and Greece), from specialized institutes such as PusAir, the Indonesian flood research institute, from international organisations such as the World Bank, the Caribbean Institute for Meteorology and Hydrology (CIMH), and UNOSAT, from NGOs such as Map Action, or from future value-adding partners such as the Global Earthquake Model or ITHACA.

The organizations represented came from the Caribbean, Southeast Asia and Europe. After a half day introduction to the platform, the users were given concrete assignments over Haiti

and Indonesia, where data from the case study areas were used to examine past events and simulate new scenarios to support risk reduction measures.

The 'alpha' version of the platform has been made available for users to continue trying out the tool.

Interested users should contact lauro.rossi@cimafoundation.org to obtain a user name and password for alpha testing access. The operational version of the platform will be released to the public in early 2016.



User Workshop break-out working session

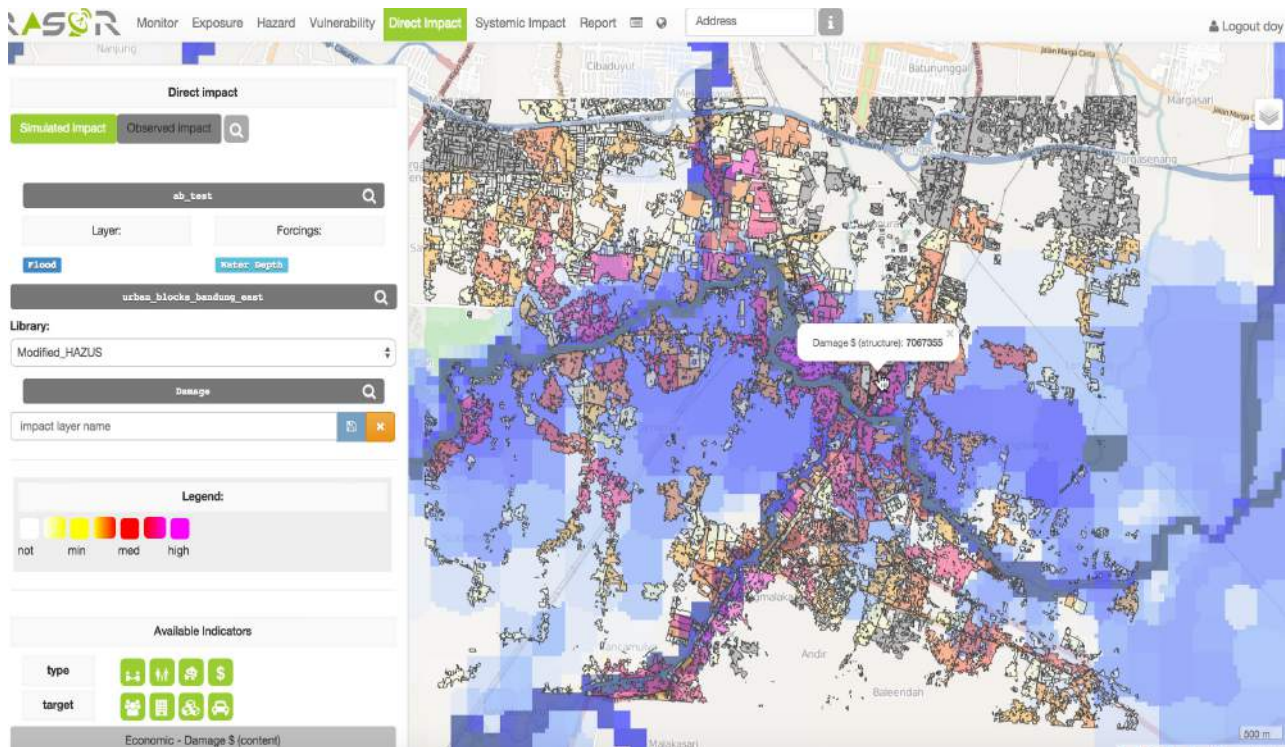
RASOR PLATFORM

The RASOR Platform offers a single work environment that generates new risk information across hazards, across data types (satellite EO, in-situ), across user communities (global, local, climate, civil protection, insurance, etc.) and across the world.

RASOR platform aims at performing multi-hazard risk analysis for the full cycle of disaster management: the tool allows users to model multi-hazard risk both before and during an event. Managers can use actual

scenarios when determining new mitigation or prevention measures, and integrate new, real-time data into their operational system during disaster response.

A scenario-driven query system simulates future scenarios based on existing or assumed conditions and compares them with historical scenarios. Initially available over five case study areas, RASOR will ultimately offer global services to support in-depth risk assessment and full-cycle risk management.



Beginning in 2016, RASOR will offer commercial services to tailor the tool to specific geographic area; once RASOR has been customised for use in a given country or area, its use is free of charge for most users. Unlike many disaster support tools RASOR was developed using a multi-hazard approach. This is critical because the same risk managers often consider floods and fires, landslides and earthquakes over a given geographic area. The availability of a single tool that can serve as a platform to address multiple hazards is a significant advantage. It is also important that the tool is standardised to consider different areas without the need for heavy tailoring. This allows international organisations such as the World Bank, the UN or the European Commission to provide support to countries unable to address risk due to capacity or development challenges. All these goals are reached through an innovative web platform that represents the main deliverable of the project.

The Alpha version of the RASOR Platform is finally ready and has been at the centre of the User Workshop that took place in Savona. The platform is organized to allow the user to perform direct impact computations on readily available data, but also allows the production of information for all terms of risk equations:

- Guided Exposure Characterization
- Vulnerability assessment and vulnerability library management
- Multi-Hazard Modelling
- Multi-Hazard impact analysis

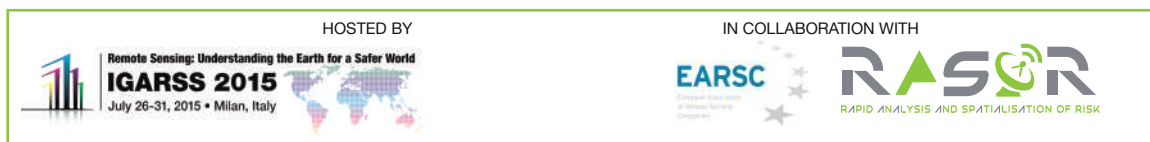
A demo site is now available for the core users for further analysis and validation.

The Validation of the Beta version of the platform will take place from November 2015 to February 2016.

For further information on the platform please visit the dedicated page in the razor web site (www.rasor-project.eu)



THE SME WORKSHOP



The RASOR project organized a workshop in July 2015 to introduce Small Medium Enterprises in the Remote Sensing business to the opportunities offered by the RASOR Platform. The one-day event, organized together with EARSC, and hosted by IGARSS at the IGARSS 2015 General Assembly in Milan, was held on 30 July, 2015. The purpose of the workshop is to develop partnerships in the development and application of the RASOR platform.

The RASOR Consortium is an open partnership of concerned organizations,

working together to improve risk management through an open source, freely available tool. The open RASOR Platform offers a framework for RASOR partners to offer add-on products and provide targeted value-added services. Following this philosophy, the Consortium is inviting other interested organizations to become RASOR Associates in order to forge new alliances in the application of innovative technologies to DRM, thus increasing the availability of data and tools to manage risk.

www.rasor-project.eu



FUNDERS



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PARTNERS

