

Rainfall Explorer - Using satellite data to complement flood risk analysis for project due diligence

Tuesday, February 9th 2021 / 09:30-11:00 EST - Join [here](#)

Satellite Earth Observation (EO) technology has major potential to inform and facilitate international development work in a globally consistent manner. Since 2008, the European Space Agency has worked closely together with the International Financing Institutions (IFIs) to harness the benefits of EO in their operations. E04SD – Earth Observation for Sustainable Development – is a ESA initiative which aims to achieve a step increase in the uptake of satellite-based environmental information in the IFIs regional and global programs. E04SD aims to increase the uptake of EO-based information in both corporate tools and processes, and investment projects.

This webinar, organized by the E04SD Climate Resilience Cluster and the World Bank Group, will introduce a rainfall satellite dataset and access via a new interactive web-based tool, the Rainfall Explorer. The Rainfall Explorer, provides easy access to near-real time satellite information on global rainfall events. Users can assess if a region is flood prone and the size and type of rainfall event that typically results in flooding. Coupling this information with datasets on communities, physical assets and environmental systems, users can evaluate if flooding is likely to pose risks to projects or if projects will exacerbate existing flood risks and associated impacts.

Key Learning Outcomes:

- Learn about satellite data, sources, methods for access, and limitations EO-driven services add value throughout the project cycle
- Introduction to the Rainfall Explorer and its role in complementing WBG project due diligence
- Become familiarized with key concepts (e.g. return level and return period)
- Learn, through two case studies, how the Rainfall Explorer tool affords high resolution flood risk analysis

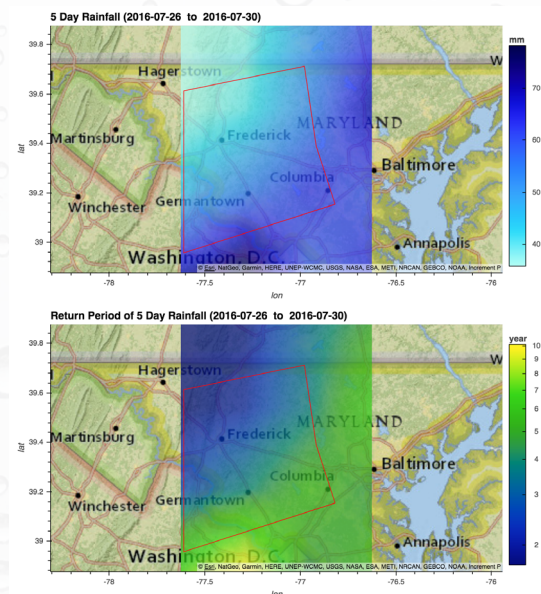


Image: Rainfall Explorer tool outputs, Telespazio Vega

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