

# e-DRIFT

## DISASTER RISK FINANCING AND TRANSFER

### THE PROJECT

**e-Drift** project aims to create a strong network between providers of value-added services utilizing EO data, In-Sector service providers for the insurance market and reinsurance companies with the final purpose to create new or improved products and solutions for the Insurance sector. The e-Drift project consortium includes leading companies in the EO value adding, and leading actors in the insurance market.

### THE PARTNERS

- **CIMA Research Foundation** - lead company and responsible of the design of the Virtual Platform which will enable an easy and timely access to the value added services: the main deliverable of the project.
- **LIST** - responsible of the flood area detection algorithms.
- **DLR** - responsible of the population characterization layers.
- **Deltares** - responsible for the integration of EO data into hydrologic/hydraulic model results.
- **Swiss Re** - major reinsurance company and in sector provider.
- **RMS** - in sector provider and world leading company in cat modelling for insurance market.



**The World Bank** will be guiding the user needs assessment for institutional clients that would like to manage their sovereign risk. This development is directly connected with a client platform providing parametric insurance against flood in South East Asia developed with the support of the World Bank.

The **SEADRIF** platform will integrate services from eDrift into its web client to trigger insurance payments in case of flooding in Laos, Cambodia and Myanmar.



# THEFEATURES

The Virtual Platform will enable an easy and timely access to various services and products guaranteeing high computing capability and direct access to the EO datasets of the Sentinel constellation. Services will cover several key areas of interest of the insurance market and of Countries that would like to transfer their sovereign risk.

The e-Drift Virtual Platform will be released as a PAAS, so that can be embedded in the IT systems of the In-Sector Providers, and as a SAAS, so that can be used by In-Sector Providers by a unique and KISS End User Interface.

The virtual platform is heavily based on already existent platforms and SW that have been developed and tested throughout the years the key ones being: WASDI providing middleware and backend services, RASOR providing libraries for the impact computations, ESA Urban TEP and ESA GPOD providing computing services and products.



**Parametric  
Insurance**



**Event  
Monitoring**



**Rapid Impact  
Evaluation**



**Risk  
Assessment**



**Exposure Layer  
Validation**

# THEOUTPUTS

**Products**

**Services**

**Database**



[info@cimafoundation.org](mailto:info@cimafoundation.org)  
[www.cimafoundation.org](http://www.cimafoundation.org)