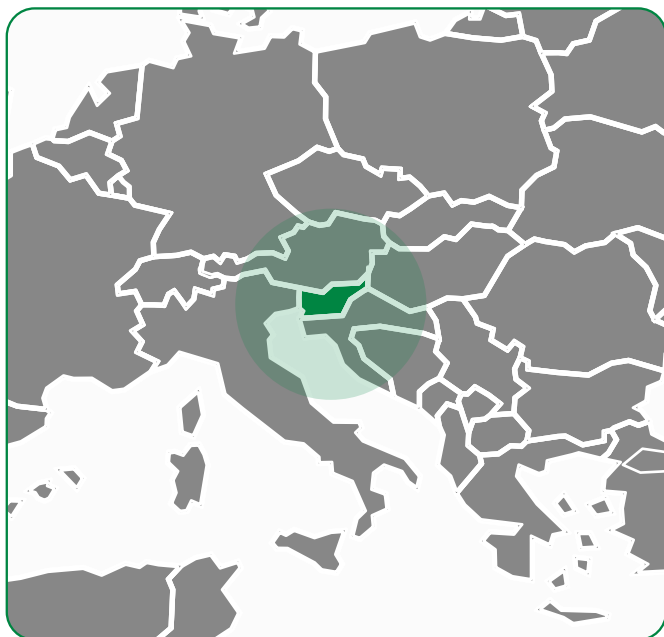


INSURANCE AND RISK MONITORING IN SLOVENIA

What it is about

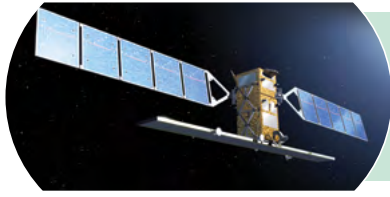
Sentinel data is being used by insurance companies to conduct better risk assessments. In the wake of natural disasters, the data also allows for rapid mapping of impacted areas and helps in determining future exposure to similar events. In this case, Flycom Technologies, a Slovenian remote sensing company helped Zavarovalnica Triglav, the largest insurance company in Slovenia to understand the impact of severe flooding of the Krka river in 2017. As a result of the catastrophic flooding,

nearly 6,000 households across Slovenia lost electricity, 600 buildings were badly damaged and close to 700 roads were made impassable. Thanks to the use of Sentinel data, the affected area could be mapped quickly and remotely, allowing Zavarovalnica Triglav to deeper understand the risk of catastrophic flooding in the future. Since then, both companies have increasingly adopted Sentinel data in their daily operations, ultimately leading to it becoming a go-to source of rich and useful data.



What we found

- Sentinel data can be used as part of a Geographic Information System (GIS) to combine geospatial information and business intelligence to produce valuable insights for insurance industry stakeholders.
- Insurance companies can save on costs through the use of Sentinel data as the need for in-person surveys can be greatly reduced. It can sometimes be dangerous, or even impossible for surveyors to visit certain regions. The remotely sensed data can therefore help ensure risk assessments and exposure surveys can continue safely.
- In the aftermath of disasters, insurance customers can have their claims dealt with swiftly and fairly. Also, when purchasing premiums, these customers can have their individual situational risk assessed in a more complete and objective manner thanks to the transparent and unbiased nature of Sentinel data.



The Satellite Data

Copernicus Sentinel-1 provides free-of-charge frequent, all-weather, day-and-night C-band radar images. **Copernicus Sentinel-2** provides free-of-charge frequent wide-swath, high-resolution multispectral imagery with 13 spectral bands over Slovenia.



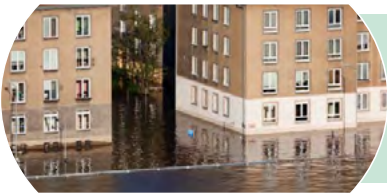
The Service Provider

Flycom Technologies, a Slovenian company who specialise in remote sensing based preventative and predictive maintenance services leverages Copernicus Sentinel-1 and Sentinel-2 data to help clients map risk potential across large geographic regions.



The Primary User

Zavarovalnica Triglav, the largest insurance company in Slovenia use Sentinel-derived mapping to understand the impact of natural disasters and assess exposure to future risks.



Secondary Benefits

Insurance customers and claimants benefit from the swift, fair and unbiased processing of claims through the use of objective EO data and GIS applications.



End User Beneficiary

Citizens and society benefit from fair and efficient insurance services that protect customers in the wake of natural disasters and help restoration/rebuilding of affected areas.

About the project

Through a series of case studies, EARSC aims to gather quantitative evidence that the usage of Copernicus Sentinel data provides an effective and convenient support to various market applications. These studies are undertaken in the frame of the project "Assessing the detailed economic

benefits derived from Copernicus Earth Observation data within selected value chains: a bottom-up study survey", under an assignment from the European Space Agency.

