

ICEYE

Flood Insights

Get reliable insights for flood extent and depth within hours of a given flood peak

Closing the information gap for the insurance sector

ICEYE's Flood Insights Product is the world's first consistent, near real-time source for flood observation data. Our data layers are used across a wide spectrum of operational and financial use cases, including but not limited to rapid situational awareness, sizing event losses, communicating with affected policyholders, allocating resources for event response, claims triage and processing and supporting risk-transfer of flood exposures.

Owning the world's largest Synthetic Aperture Radar (SAR) constellation, we empower the re/insurance industry to make better and timelier operational and financial decisions about managing and responding to natural catastrophe events. ICEYE's satellites can see the world under any conditions, including through darkness, clouds, volcanic ash and smoke.



Improve Policyholder Safety



Accelerate Claims Processing



Size Losses More Timely and Accurately

Multi-sourced flood analysis using observational space-based, aerial-based, and ground-based data

Providing the flood extent and depth at the individual building level

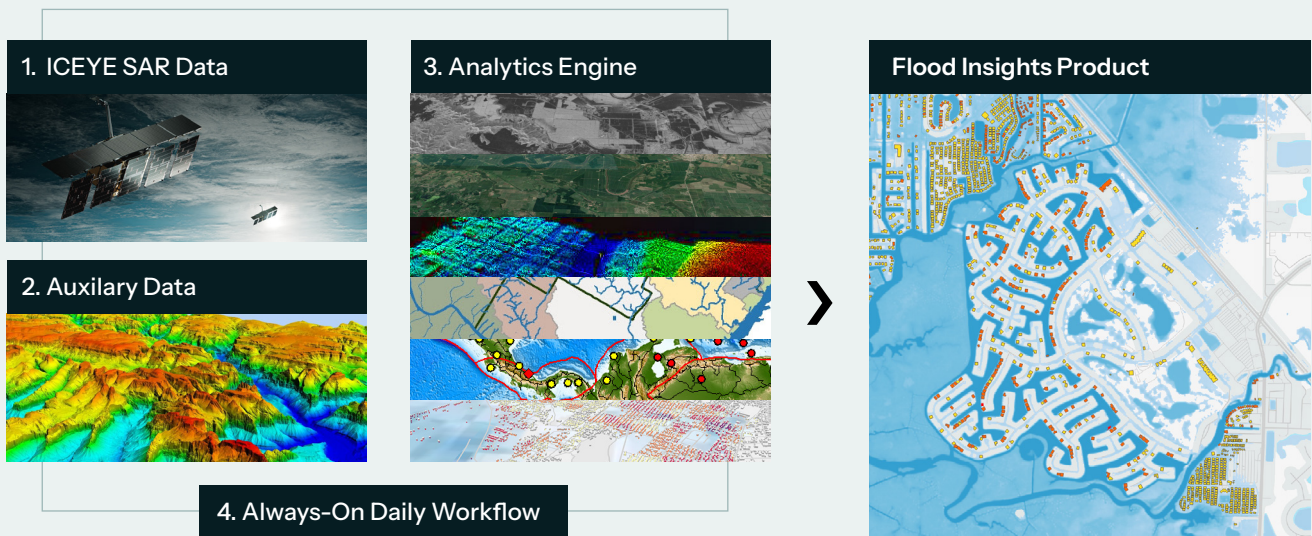
High	628
Medium	1,089
Low	383

Enabling portfolio-level impact analysis in near real-time

Charlotte Park, FL, US
HURRICANE HELENE, OCTOBER 2024

Benefit from reliable, accurate, and timely flood impact insights

The Flood Insights Product combines ICEYE's SAR satellite imagery with an abundance of third-party data, algorithms and machine learning, supported by a team of experts from the fields of meteorology and advanced geospatial analytics. Depending on the individual needs of each customer organization, we provide an actionable output of flood depth and extent data that can seamlessly flow into the claims and GIS systems that insurance companies and public sector organizations use today.



Obtain a new level of situational awareness

Access to comprehensive flood extent and building-level flood depth data is essential for verifying claims of damage, allocating resources for recovery, planning logistics to access affected areas, and speeding up the recovery process.

Our Flood Insights product includes ICEYE's flood monitoring service to inform customers what events ICEYE is expecting, observing, or analyzing, and also data layers and summary reports about flood events we analyze.



Transform your policyholder communication by shifting from a reactive process to a proactive approach



Accelerate claims processing and deploy field resources more efficiently



Support the validation of losses and provide early provisional payment to impacted customers



Underwrite and price more accurately in the context of flood risk/exposure, and further refine event underwriting rules