ICEYE Flood News Bulletin 20.9.2024

Flood images and information on ICEYE's response and analysis - Sept 20, 2024

For all ICEYE information and previous media updates on Storm Boris, see our Live Reporting Page

As heavy flooding devastates Central and Eastern Europe following torrential rains from Storm Boris, all ICEYE radar satellites have been tasked to monitor the natural catastrophe's impacts in the area since the weekend. Our flood monitoring team continues to collaborate with governmental agencies across Europe, analyzing and processing satellite data to provide near real-time flood extent and depth information.

As of September 20, we have delivered six flood analysis reports for Poland and three for Austria. Based on our latest data release for Poland and Austria on the Esri ArcGIS platform, we estimate that over 20,000 buildings in the South of Poland and at least 5,000 buildings in Austria may be impacted by the flooding.

ICEYE's cloud-penetrating SAR satellites continue capturing imagery of other impacted regions across Central and Eastern Europe. Boris has shifted out of the region, bringing an end to the rainfall in Austria, Czech Republic, and Poland. ICEYE continues to monitor Boris, as the heavy rainfall risk has shifted into parts of Italy this week. Our team is fully activated for this event, ensuring timely data to support ongoing response efforts.

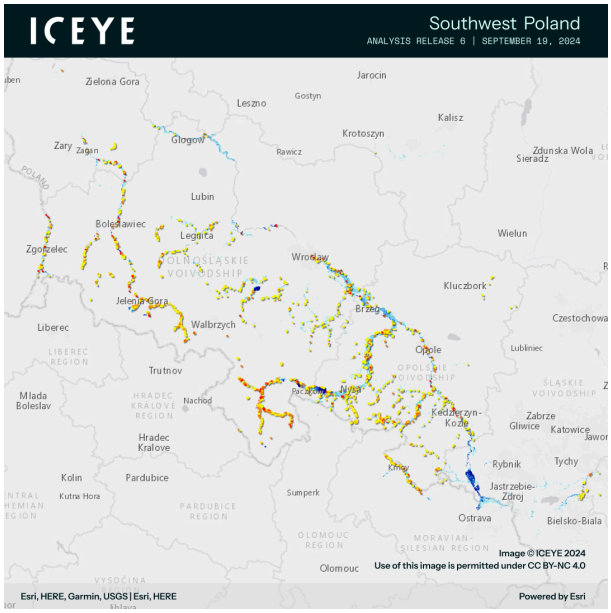
ICEYE's Flood Insights combines ICEYE's world-leading SAR satellite imagery with an abundance of third-party data, algorithms and machine learning, supported by a team of experts from the fields of meteorology, hydrology, and advanced geospatial analytics.

Download links for the images and animation for media use:

- Poland: mapped flood extent
- Poland: Wrocław Metropolitan Area
- Poland: Lewin Brzeski
- Poland: Kłodzko County
- Poland: Ołdrzychowice Kłodzkie
- Poland: Southern Poland
- Poland–Czech Republic Border
- Austria-Czech Republic-Slovakia Border
- Austria-Hungary-Slovakia Border
- Austria: Marchegg
- Austria: Lower Austria
- All Polish visuals in the Polish language [zip]

Key to the image colors: Red - High. Orange - Medium. Yellow - Low.
Colors indicate the total number of buildings affected by flood water depth category

ICEYE



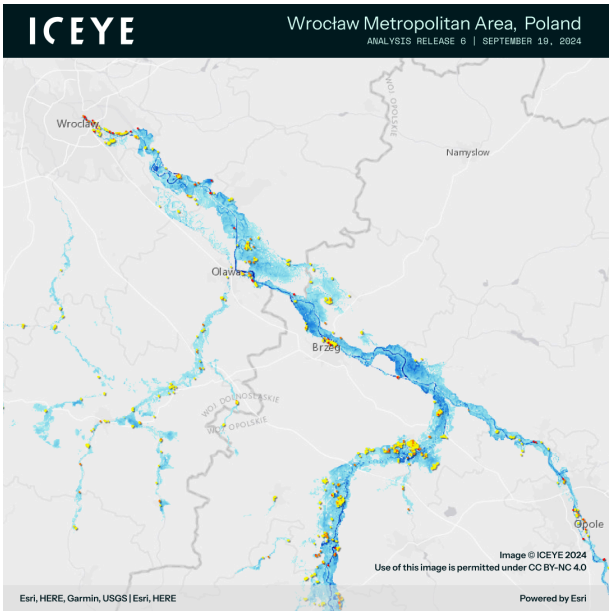
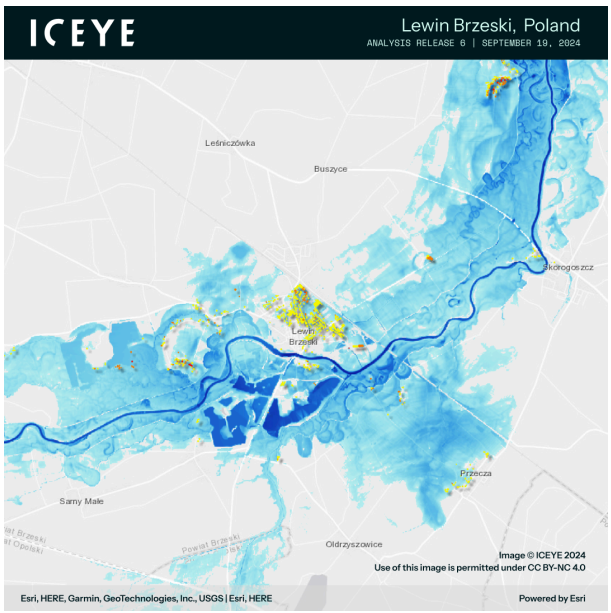


Image (left): Flood extent in Southwest Poland, based on the sixth release of ICEYE's flood analysis from September 19, 2024, opened in Esri ArcGIS. **Image (right)**: Flood extent and depth in the Wrocław metropolitan area, Poland, based on the sixth release of ICEYE's flood analysis from September 19, 2024, opened in Esri ArcGIS.



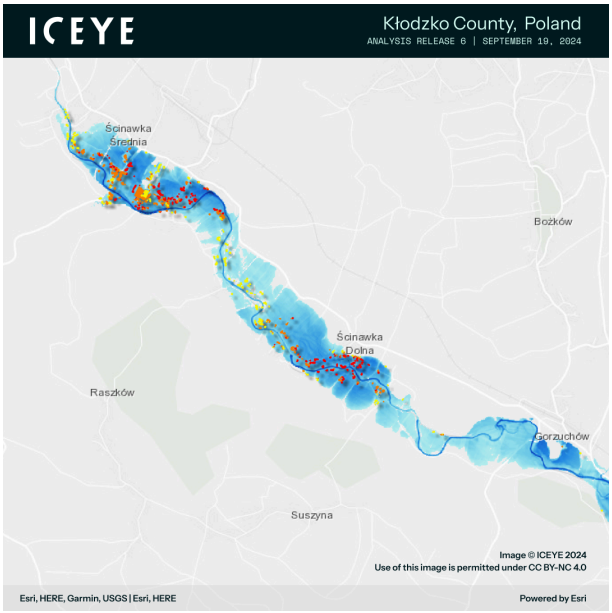


Image (left): Flood extent in Lewin Brzeski, Poland, based on the sixth release of ICEYE's flood analysis from September 19, 2024, opened in Esri ArcGIS. **Image (right)**: Flood extent and depth in Kłodzko County, Poland, based on the sixth release of ICEYE's flood analysis from September 19, 2024, opened in Esri ArcGIS.

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ICEYE

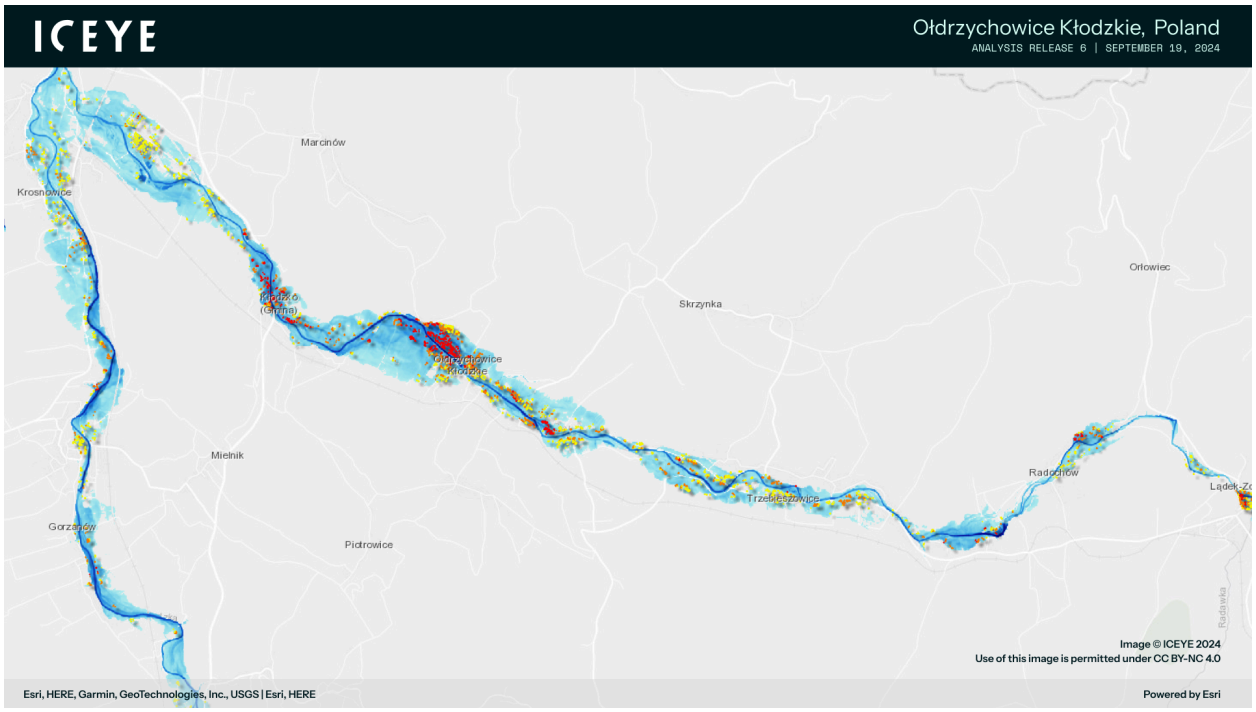

Image: Flood extent and depth along the Biała Lądecka River and Nysa Kłodzka River, Poland, based on the sixth release of ICEYE's flood analysis from September 19, 2024, opened in Esri ArcGIS.

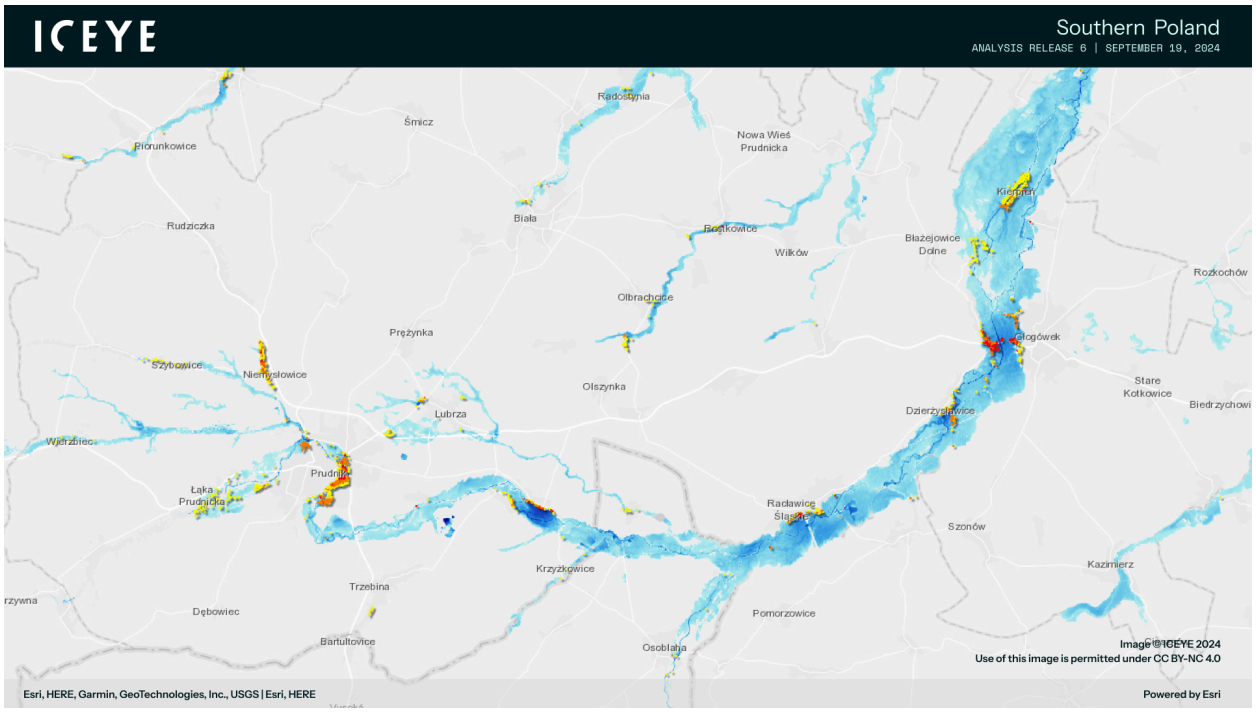

Image: Flood extent and depth along the Osobłoga River in Southern Poland, based on the sixth release of ICEYE's flood analysis from September 19, 2024, opened in Esri ArcGIS.

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ICEYE

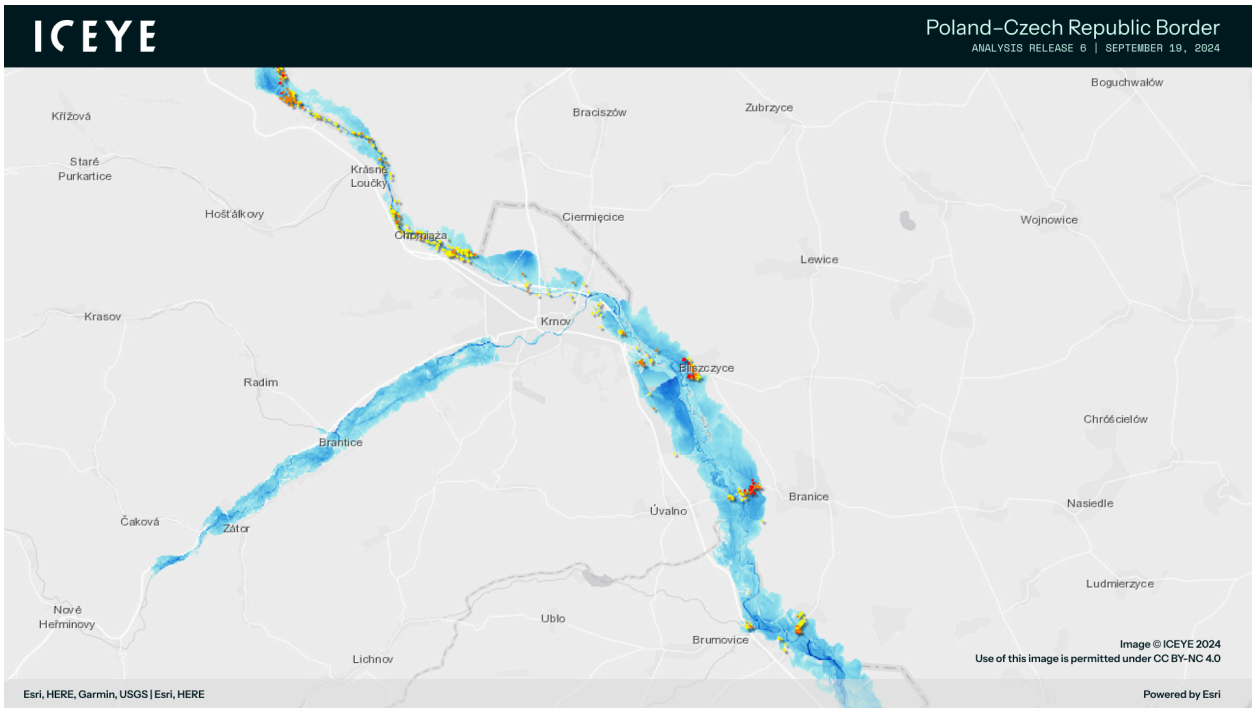

Image: Flood extent and depth along the Poland-Czech Republic border, based on the sixth release of ICEYE's flood analysis from September 19, 2024, opened in Esri ArcGIS.

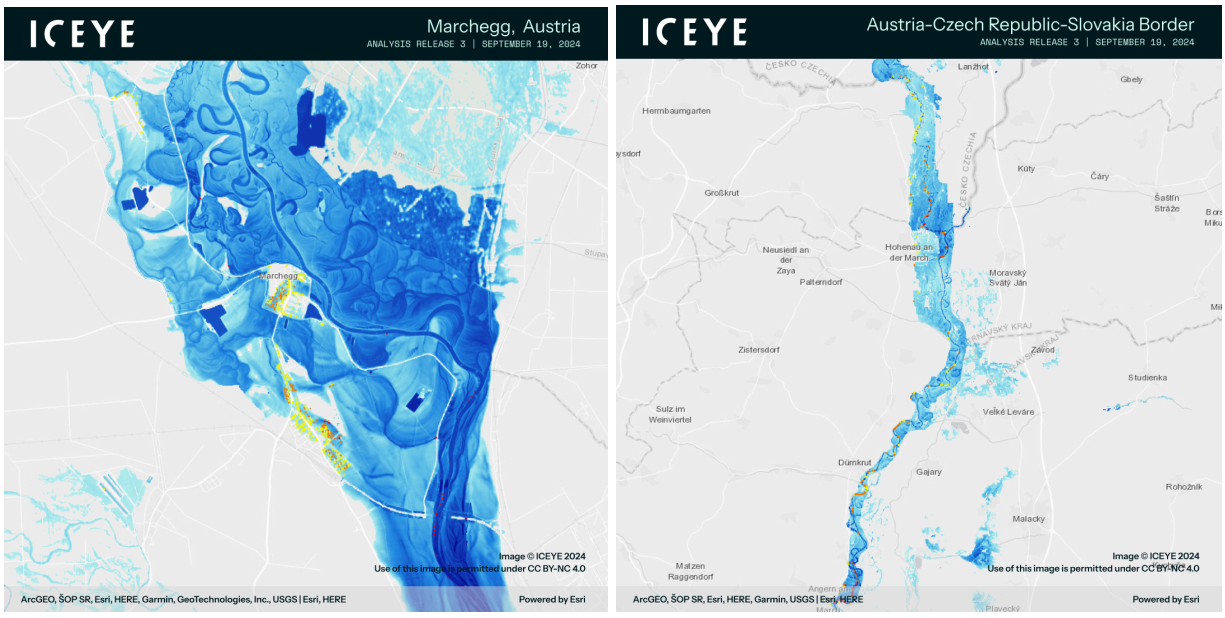

Image (left): Flood extent in Marchegg, Austria, based on the third release of ICEYE's flood analysis from September 19, 2024, opened in Esri ArcGIS. **Image (right)**: Flood extent and depth along the Austria-Czech Republic-Slovakia border, based on the third release of ICEYE's flood analysis from September 19, 2024, opened in Esri ArcGIS.

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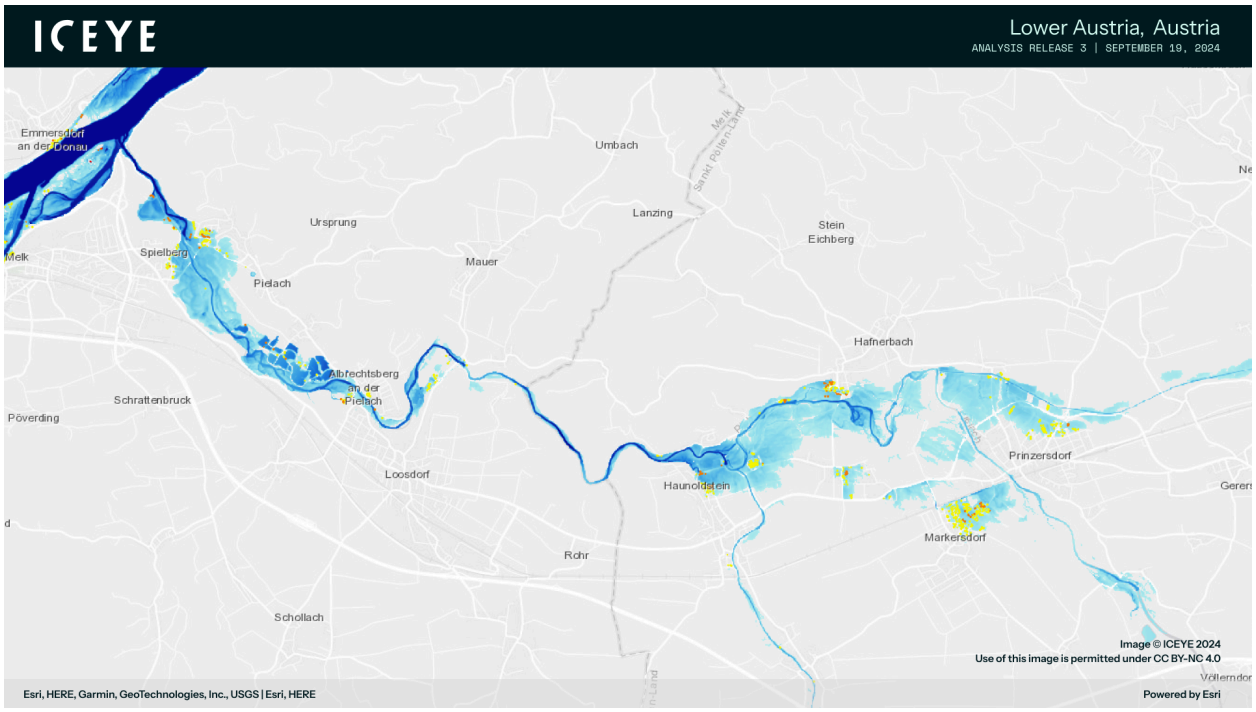

Image: Flood extent and depth in Lower Austria, based on the sixth release of ICEYE's flood analysis from September 19, 2024, opened in Esri ArcGIS.

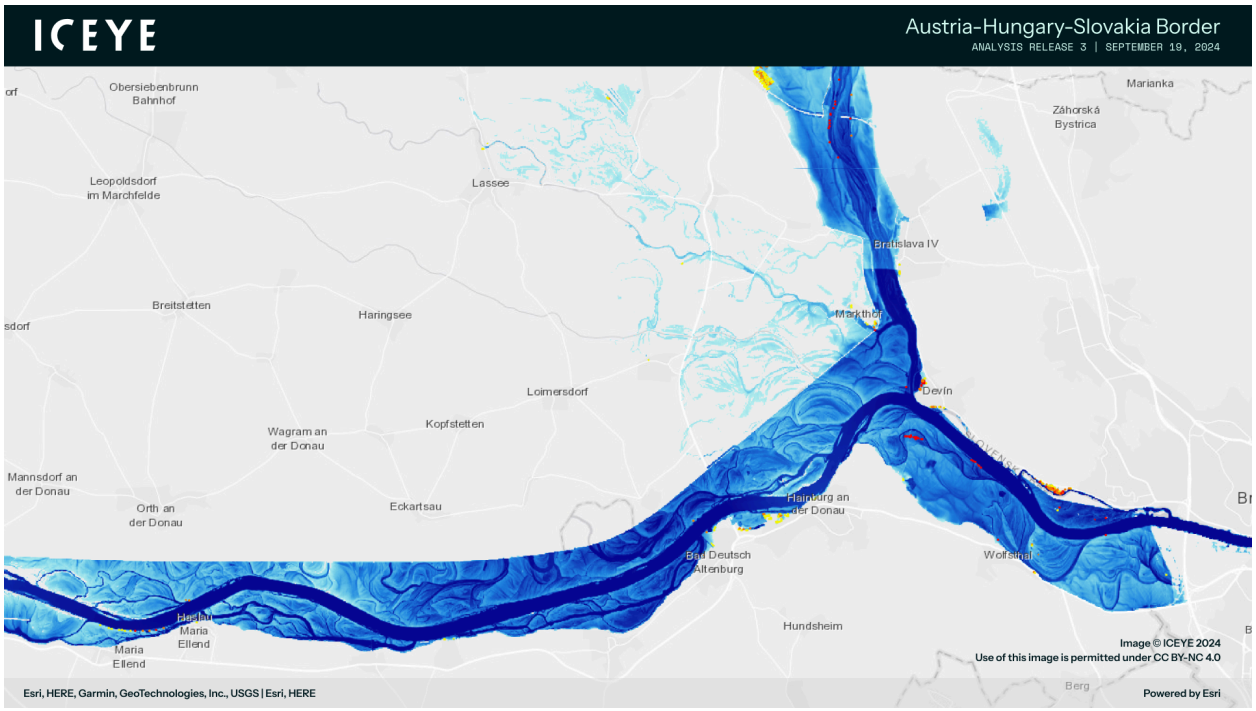

Image: Flood extent and depth next and along the Austria-Hungary-Slovakia border, based on the sixth release of ICEYE's flood analysis from September 19, 2024, opened in Esri ArcGIS.

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Previous ICEYE Flood News Bulletins on Storm Boris with additional imagery:
ICEYE Flood News Bulletin, Sept 19, 2024 (English)
ICEYE Flood News Bulletin, Sept 18, 2024 (English)
ICEYE Flood News Bulletin, Sept 17, 2024 (English)
ICEYE Flood News Bulletin, Sept 16, 2024 (English)
ICEYE Flood News Bulletin, Sept 16, 2024 (Polish)

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About ICEYE
ICEYE delivers unparalleled persistent monitoring capabilities to detect and respond to changes in any location on Earth, faster and more accurately than ever before.

Owning the world's largest synthetic aperture radar (SAR) satellite constellation, ICEYE provides objective, near real-time insights, ensuring that customers have unmatched access to actionable data, day or night, even in challenging environmental conditions. As a trusted partner to governments and commercial industries, ICEYE delivers intelligence in sectors such as insurance, natural catastrophe response and recovery, security, maritime monitoring, and finance, enabling decision-making that contributes to community resilience and sustainable development.

ICEYE operates internationally with offices in Finland, Poland, Spain, the UK, and the US. We have more than 700 employees, inspired by the shared vision of improving life on Earth by becoming the global source of truth in Earth Observation.

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Visit www.iceye.com and follow us on LinkedIn at ICEYE Global and ICEYE Polska,and X for the latest updates and insights.

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