

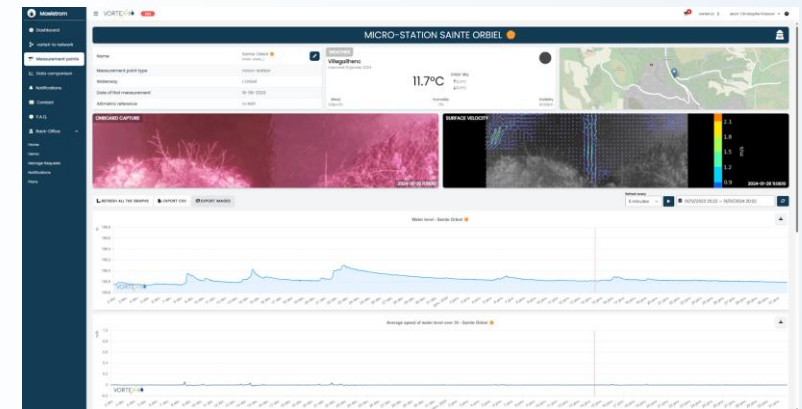
EO services contributing to SDGs

Hydrological micro-station

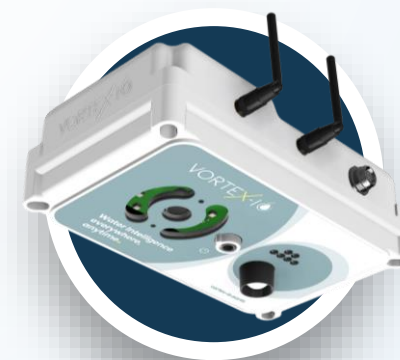


- User: Local authorities, water agencies and first aid
- Challenge/Needs: To protect citizen from watercourse flood events through Europe. To prevent from floods, to monitor water parameters and to support decision-making.
- Initiative: Real-time watercourses monitoring anywhere
- Results: vortex.io has created the micro-station, an autonomous, compact and non-invasive device to measure water parameters. It provides in real-time water height, water velocity along with contextual images. The micro-station automatically communicates its measurements at close and regular intervals via the Maelstrom platform, accessible online or via API. Already hundreds of micro-stations are deployed and 1000 new ones will be installed in 2024.
- Service Provider: vortex.io

Target 13.1: Strengthen resilience and adaptive capacity to climate-related hazards and natural disasters in all countries.



Maelstrom time series visualisation



vortex.io micro-station