

EO services contributing to SDGs

Near real time flood monitoring

spottitt

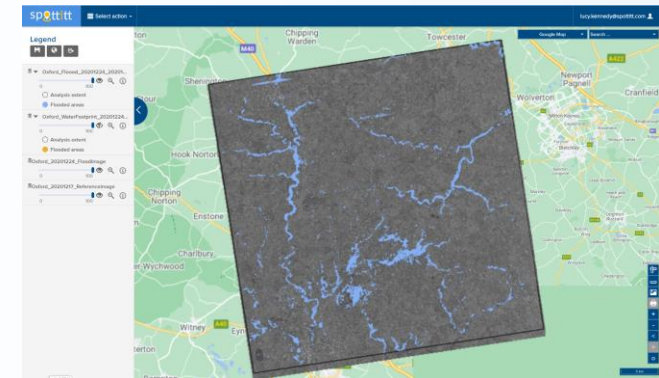
13 CLIMATE ACTION



- User: International, national, regional and local government bodies and agencies, NGO's and specific industries.
- Challenge/Needs: No fuss, remote tasking of SAR satellites to capture flood imagery and online delivery of flood extent and depth analytics with 2 hours of receipt of imagery from provider. Get an accurate digital understanding of the scale of a flood incident.
- Initiative: Developed with the support of Innovate UK funding and the UK's Environment Agency. Single image water extent and the more accurate double image flood extent analysis provided globally. Analysis accuracy can be further increased via the use of higher resolution digital elevation data.
- Results: Commercially available service derived from 1m and 3m SAR imagery.
- Service Provider: Spottitt Ltd.

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

- identifying and monitoring climate hazards



Flood extent Oxford. Flooding Dec 2020

EARSC

European Association
of Remote Sensing
Companies

<https://spottitt.com/2020/09/09/eyes-in-the-sky-for-the-uk-environment-agency/>