

EO services contributing to SDGs

Historical flood monitoring

spottitt

13 CLIMATE ACTION



- User: International, national, regional and local government bodies and agencies, NGO's and specific industries.
- Challenge/Needs: Analysis of historical flooding events using existing SAR imagery in support of parametric insurance models, flood modelling, flood mitigation investment etc. Get an accurate digital understanding of the scale of a flood incident.
- Initiative: Developed with UK Space Agency funding as part of a project to develop a parametric insurance product for the government of Bangladesh. 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 predominantly derived from Sentinel-1 SAR imagery but we have experience with commercial imagery from providers such as Iceye and Telespazio
- 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 Bangladesh 2017

EARSC

European Association
of Remote Sensing
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