



Strengthening Coastal Inundation Resilience



UK Hydrographic
Office

ADMIRALTY Marine Innovation Programme – Coastal Inundation

ABOUT THE ONLINE CHALLENGE

Coastal inundation is a form of flooding around coastal regions resulted from storm surges and waves. Coastal inundation floods infrastructure and buildings, and endangers peoples' safety.

At the UK Hydrographic Office, we hold a wealth of marine geospatial data that can help meet these challenges, with bathymetry, seabed geology, tidal data, weather information for potential sites across the UK, and other worldwide open source data in earthquake, monsoon and mangroves.

We invite capable individuals and companies to take part in this challenge by submitting a geographic information system (GIS) prototype solution that utilises and proves how relevant datasets can support the prediction of coastal inundation, which will help disaster relief agencies and other stakeholders identify vulnerable areas and mitigate the associated risks.

OBJECTIVE

Participants will get the chance to develop these solutions using ADMIRALTY data sets, with winners receiving an opportunity to launch their products into some of the world's fastest growing marine sectors.

The UKHO will also demonstrate the winners' solution as a proof-of-concept to attract more data partners for collaboration, which will further enhance the effectiveness and marketability of the proposed solution.



ATTRACTIONS AND REWARDS

- Participants will have the opportunity to work closely with the UKHO to develop a new solution for coastal inundation resilience sector
- To develop their product concepts, participants will be given access to a world-leading marine geospatial data, as well as wide-ranging expertise from the UKHO
- The winner will receive around £75,000 worth of prizes, including hands-on support and marine geospatial data from the UKHO to develop an alpha product to test in the market

JUDGING CRITERIA

Participants will be required to submit their solutions and the winner will be announced based on the following criteria:

- Which datasets will be used and how will they optimise the proposed solution?
- Number of potential clients that can use the solution and the revenue opportunity.
- Feasibility of the solution and ability to deliver, including team makeup, skills and size.
- Attractiveness of commercialisation plan (including speed to market).

TIMELINE

