

Marine Mapping

Marine Protected Areas

JNCC MPA Mapper

Summary

The JNCC MPA Mapper is an interactive map hosted on the JNCC website. The application includes spatial data relating to Marine Protected Areas (MPAs) in UK Waters. Boundaries of all UK MPAs can be displayed on the map, along with data supporting the protected features in offshore sites. Users can turn layers on and off, zoom and pan to explore the UK's MPA network and the evidence underpinning JNCC's advice.

Work Involved

JNCC have developed the following features of the MPA Mapper: when clicking on an MPA or feature on the map a pop-up with additional information appears; a gazetteer search that allows users to search for and zoom to specific MPAs; a filter function which highlights MPAs designated for selected features; and the publication of many of the layers as Web Map Services, so the layers can be imported into desktop GIS systems.

In undertaking this work, JNCC have developed extensive skills in communicating spatial information on MPAs, and their features in a way that is understandable to a range of audiences; and disseminating spatial data to stakeholders as Web Map Services (WMS).

Key Outcome

The MPA Mapper allows JNCC to disseminate spatial data underpinning our advice in a visual way that users can interact with. This increases the transparency of JNCC's advice on offshore MPAs and features, as well as providing a tool for others to learn more about the UK MPA network.

Future Work

Maintaining the current layers on the JNCC MPA Mapper and updating them as new data becomes available. Making certain protected feature data downloadable as part of offshore MPA data download packages.

Identified research priorities

JNCC are working with data owners to ensure we are able to publish as much information on offshore habitats and species onto the MPA Mapper as possible.

Further information

JNCC's MPA Mapper is available to view at www.jncc.defra.gov.uk/page-5201



Country: UK

Main Driver: Communicating MPA Information

Period of work: 2014 - Present

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Partnership: exeGesIS Spatial Data Management Ltd



MPA mapper pop-up information box (Jan 2017) ©JNCC



MPA mapper Pobie Bank cSAC/SCI (Jan 2017) ©JNCC



MPA mapper filter function (Jan 2017) ©JNCC

Key words: Marine Protected Areas, webGIS, Web Map Services