

A Web GIS Portal for Integrated Coastal Information: The Marine Irish Digital Atlas (MIDA)

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The Marine Irish Digital Atlas is an interactive Internet resource providing access to comprehensive coastal and marine information and geospatial data in Ireland.

The open source program MapServer provides the web GIS functionality for the atlas, while the layer and information management is implemented using a PostgreSQL database.

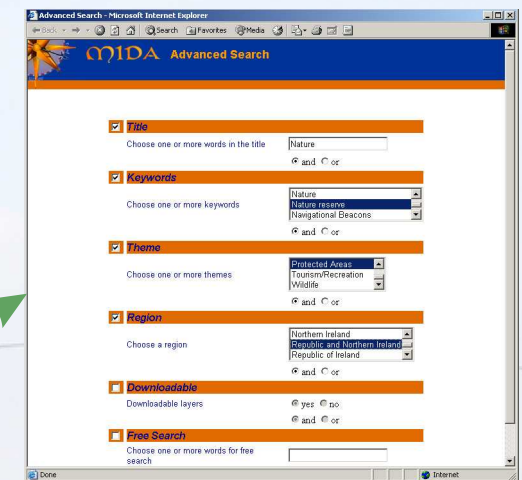
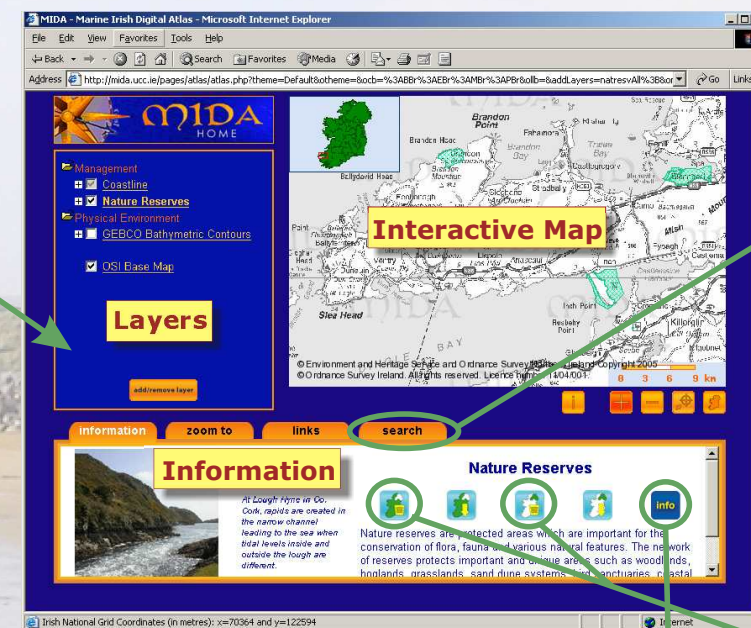
Layers Prepared for Display in MIDA

This table lists those geospatial layers which have been collected thus far or are currently being prepared for presentation in the MIDA. The data owner is also listed as well as the layers' status with respect to display in the atlas. If you would like further information regarding any of these layers, please do not hesitate to [contact us](#). Note that the layers are listed according to the four main MIDA categories.

This list shows work done to date. Efforts are being made to acquire an exhaustive list of other data layers for display in the MIDA. If you have any data that you wish to advertise via the atlas, please look at our [contribute](#) page.

Name	Description	Owner	Status
Management			
Access Points	Jetties, slipways and other access points to and from the sea	Marine Institute	Agreement Pending
AONB	Areas of Outstanding Natural Beauty	Environment and Heritage Service (N)	view
ASSI	Areas of Special Scientific Interest	Environment and Heritage Service (N)	view
Biosphere Reserves	UNESCO sites to promote solutions to reconciling conservation of biodiversity with sustainable use.	CMRC	view
Border	Border of the Rep. of Ireland	EPA, OSI	view
Coastline	Coastline of Ireland	OSI, GSI/HIS	view

The data and information are organized into four all-encompassing categories: management, physical environment, biological environment and socio-economic activity. Over 70 data layers have been collected so far from over 30 organisations, including government departments, research centres, NGOs and consultants.

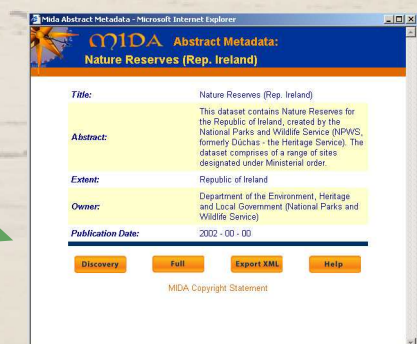


The MIDA was designed with coastal managers and planners in mind. An easily accessible, searchable metadata catalogue within the atlas allows users to find data of interest.



The MIDA Information Resource provides overviews of coastal and marine issues in Ireland using multimedia pages, as well as links to relevant organisations, documents and additional data sources.

MIDA is an indispensable resource for all those involved in integrated coastal management in Ireland as well as a key source of coastal and marine information for the general public.



Comprehensive metadata are provided for each available dataset. Metadata is stored in XML format and meets ISO 19115 standards, which facilitate metadata sharing across networks.