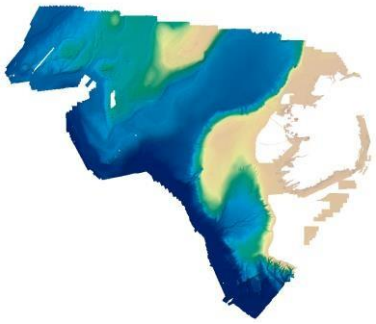
Web Map Services

A Web Map Service (WMS) is a georeferenced map image served over the internet which allows a GIS user to add a map image to their GIS desktop.

The following links can be used to access INFOMAR web mapping services, you can use the REST service to open the data in most GIS desktop applications, the ArcGIS online link will open the data into a map in ArcGIS.com, ArcMap link will download a file to open the layer in ArcMap desktop application with appropriate layer symbology and Google Earth link will open the layer in Google Earth.

For further information on adding and viewing INFOMAR WMS on your GIS desktop, please check out our "how to …" user manuals for ArcGIS and the open GIS software QGIS.

Please note: that some datasets are scale dependant and will not be visible until you zoom in, and for ArcMap and Google Earth you will need to have these applications installed before the layer can be opened in them.

<table>
<tr><th colspan="2">WMS Image</th><th colspan="2">Data</th></tr>
<tr><td colspan="2"> 
https://maps.marine.ie/arcgis/services/Infomar/All_Bathymetry/ImageServer/WMSServer</td><td colspan="2">Service Name: All_Bathymetry
Image Service showing bathymetry or water depth by colour scale.

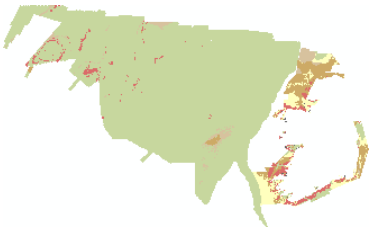
Offshore West Colour scale bathymetry – 100m resolution grids

Inshore Colour scale bathymetry (Coastal areas and Celtic Shelf) – 5m resolution grids</td></tr>
<tr><td>REST</td><td>ArcGIS Online</td><td>ArcMap</td><td>Google Earth</td></tr>
<tr><td colspan="2"> 
https://maps.marine.ie/arcgis/services/Infomar/All_Surveys_shft/ImageServer/WMSServer</td><td colspan="2">Service Name: All_Surveys_shft
Image service displaying bathymetry or water depth as gridded elevation values.

Offshore West bathymetry- 100m resolution grids

Inshore Colour scale bathymetry (Coastal areas and Celtic Shelf) – 5m resolution grids</td></tr>
<tr><td>REST</td><td>ArcGIS Online</td><td>ArcMap</td><td>Google Earth</td></tr>
</table>

INFOMAR Map Image Services



Vector service showing broad scale classification of seabed into various sediment types such as rock, sand, mud etc.

https://maps.marine.ie/arcgis/services/Infomar/INFOMAR_Seabed_Substrate/MapServer/WmsServer?

REST	ArcGIS Online	ArcMap	Google Earth

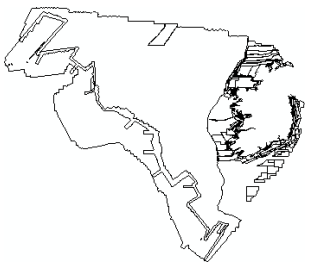
Service Name: All_Backscatter
Image service displaying greyscale images of backscatter data, this gives an indication of seabed hardness.

Offshore backscatter (In deep waters to West of Ireland) – 40m resolution grids

Inshore Backscatter (Coastal areas and Celtic Shelf) – 10m resolution grids

https://maps.marine.ie/arcgis/services/Infomar/All_Backscatter/ImageServer/WMSServer

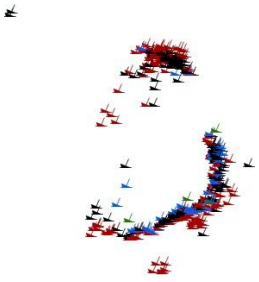
REST	ArcGIS Online	ArcMap	Google Earth



Vector Service showing INFOMAR survey area boundaries with links to survey reports

https://maps.marine.ie/arcgis/services/Infomar/SurveyCoverage/MapServer/WmsServer?

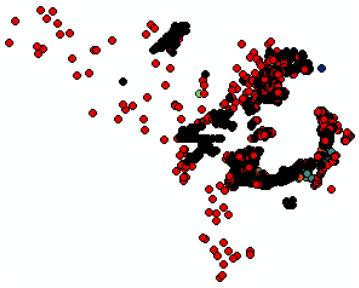
REST	ArcGIS Online	ArcMap	Google Earth



Vector service showing shipwrecks locations associated information on identified wrecks

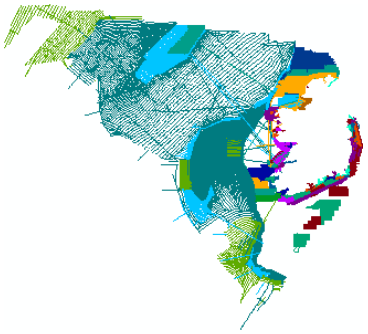
https://maps.marine.ie/arcgis/services/Infomar/Shipwrecks/MapServer/WmsServer?

REST	ArcGIS Online	ArcMap	Google Earth

	Vector service showing sediment sample locations with description of samples and images where available

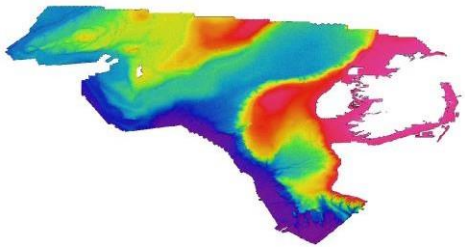
https://maps.marine.ie/arcgis/services/Infomar/SedimentSamples/MapServer/WmsServer?

REST	ArcGIS Online	ArcMap	Google Earth

	Vector Service showing INFOMAR survey tracklines and associated information

https://maps.marine.ie/arcgis/services/Infomar/Tracklines/MapServer/WmsServer?

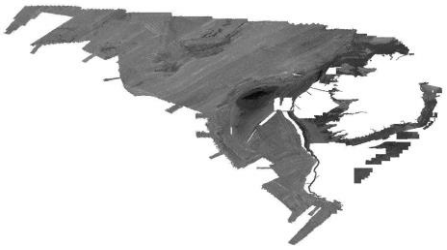
REST	ArcGIS Online	ArcMap	Google Earth

WMS Image	Data
	**Bathymetry & LiDAR 10m resolution (res)** **Bathymetry & LiDAR 111m resolution** **Shaded Relief Bathymetry & LiDAR 10m res** **Shaded Relief Bathymetry & LiDAR 111m res**

https://secure.dccae.gov.ie/arcgis/services/INFOMAR/Bathymetry_Lidar/MapServer/WmsServer?

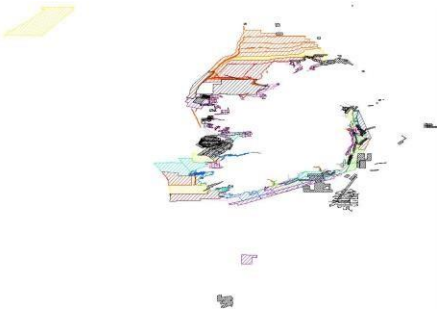
INFOMAR

INFOMAR Map Image Services



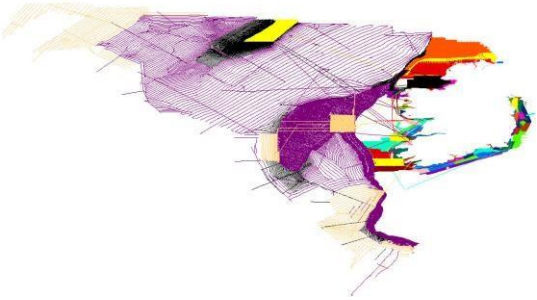
Backscatter Inshore10m resolution
Backscatter Offshore 40m resolution

https://secure.dccae.gov.ie/arcgis/services/INFOMAR/IE_GSI_MCU_Backscatter_WGS84/MapServer/WMSServer?



Survey Coverage for INFOMAR / INSS / LiDAR

https://secure.dccae.gov.ie/arcgis/services/INFOMAR/Survey_Coverage/MapServer/WmsServer?

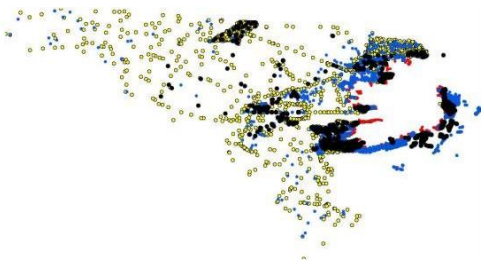


Survey Tracklines

https://secure.dccae.gov.ie/arcgis/services/INFOMAR/Survey_Tracklines/MapServer/WmsServer?

Shipwrecks

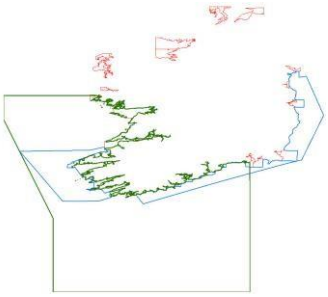
https://secure.dccae.gov.ie/arcgis/services/INFOMAR/Shipwrecks/MapServer/WmsServer?



Samples, Particle Size Analysis, Sound Velocity Profiles

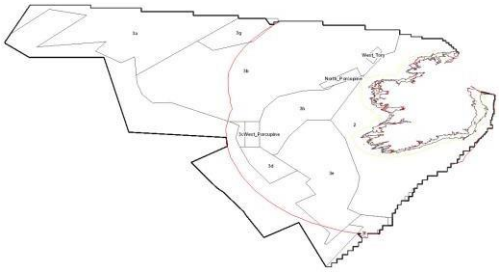
https://secure.dccae.gov.ie/arcgis/services/INFOMAR/Samples_SVPs/MapServer/WmsServer?

INFOMAR Map Image Services



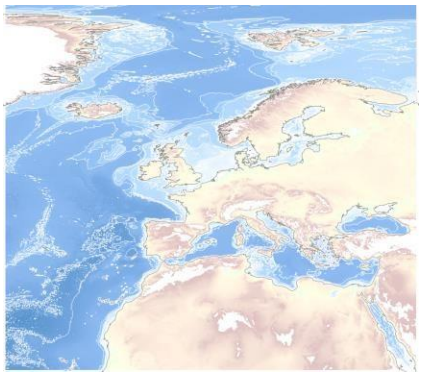
Priority Areas and Bays

https://secure.dccae.gov.ie/arcgis/services/INFOMAR/Priority_Areas_Bays/MapServer/WmsServer?



Maritime Boundaries

https://secure.dccae.gov.ie/arcgis/services/INFOMAR/Maritime_Boundaries/MapServer/WmsServer?



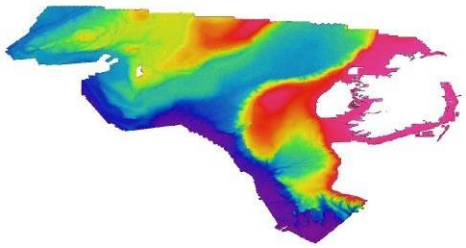
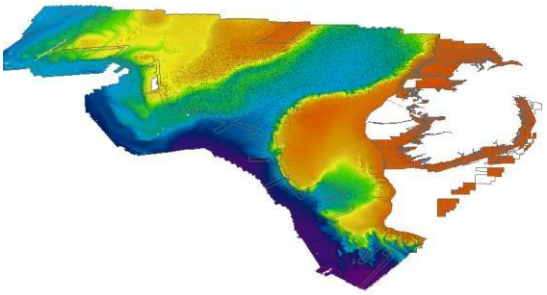
EMODNET Bathymetry
European Bathymetry Data 230m resolution

https://ows.emodnet-bathymetry.eu/wms

ArcGIS REST Services

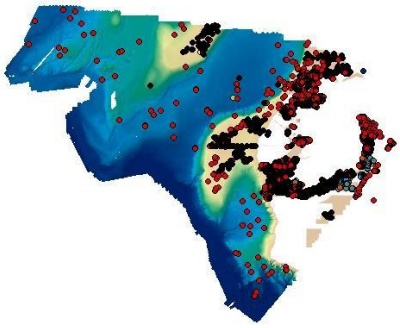
Similar to a WMS, ArcGIS REST Services are map images but can be used only in ArcGIS software. To add an ArcGIS REST service:

1. Open ArcCatalog
2. Go to GIS Servers
3. Add ArcGIS Server
4. Paste one of the below Server URLs in the URL box.

REST Image	Data
	**All GSI Datasets:** **INFOMAR, EMODNET, Bedrock, Geological Heritage, Geotechnical, Geothermal, Groundwater, Landslides, Minerals, Quaternary, Tellus**
https://secure.dccae.gov.ie/arcgis/rest/services	
	**Bathymetry, Backscatter, Samples, Shipwrecks, Seabed Classification, Survey Coverage, Survey Tracklines**
https://secure.dccae.gov.ie/arcgis/services/INFOMAR/Backscatter_10m/MapServer/WmsServer?	
	**Ireland's Marine Atlas** **Administrative Units, Energy Resources, Environmental Monitoring, Fisheries, Geology, Habitats & Biotopes, Hydrography, INFOMAR, KISORCA, Landcover, Meteorological Features, Ocean Features, Protected Sites, Reporting Units, Sea Regions, Species, Transport Networks**
https://atlas.marine.ie/arcgis/rest/services	

INFOMAR

INFOMAR Map Image Services



INFOMAR and INSS survey Datasets:

Bathymetry, Backscatter, Samples, Shipwrecks, Seabed Classification, Survey Coverage, Survey Tracklines

http://maps.marine.ie/arcgis/services