



Identification info

Title shipping routes based on shipping density [CIMA Foundation, 2015]
Date 2015-02-16T08:00:00
Date type **Publication:** Date identifies when the resource was issued
Presentation form **Digital map:** Map represented in raster or vector form
Abstract The main shipping routes located in the pelagos sanctuary. The routes were primarily identified using a 1km spatial resolution shipping density grid combined with admiralty charts and other maps. The shipping density was calculated from the AIS dynamic point data which was recorded from an antenna located at 4430°N and 8.45°E between May 2013 and October 2014. Areas of localized high shipping density relative to the surrounding sea that displayed a distinct linear distribution were considered as shipping routes. They were found by displaying the total shipping density under natural junks divisions overlaid the current knowledge of shipping routes covering the North West Mediterranean Sea. The shipping lane shapefile was created in a GIS platform, additional information was sourced from AIS data and geometric processing on a routes destination and length with a spatial reference EPSG: 3035.
 The data is part of the Pelagos Convention No. 01/2014 project to provide a description of the vessel traffic in order to address the impact to cetacean species as part of the Pelagos Sanctuary MPA regulations.
Status **Completed:** Production of the data has been completed
Maintenance and update frequency **Not planned:** There are no plans to update the data
Descriptive keywords BIO , environmental impact assessment , marine environment , Pelagos Sanctuary , shipping , marine transportation , Automatic Identification System (AIS) , transport networks .
Use constraints **Other restrictions:** Limitation not listed
Spatial representation type **Grid:** Grid data is used to represent geographic data

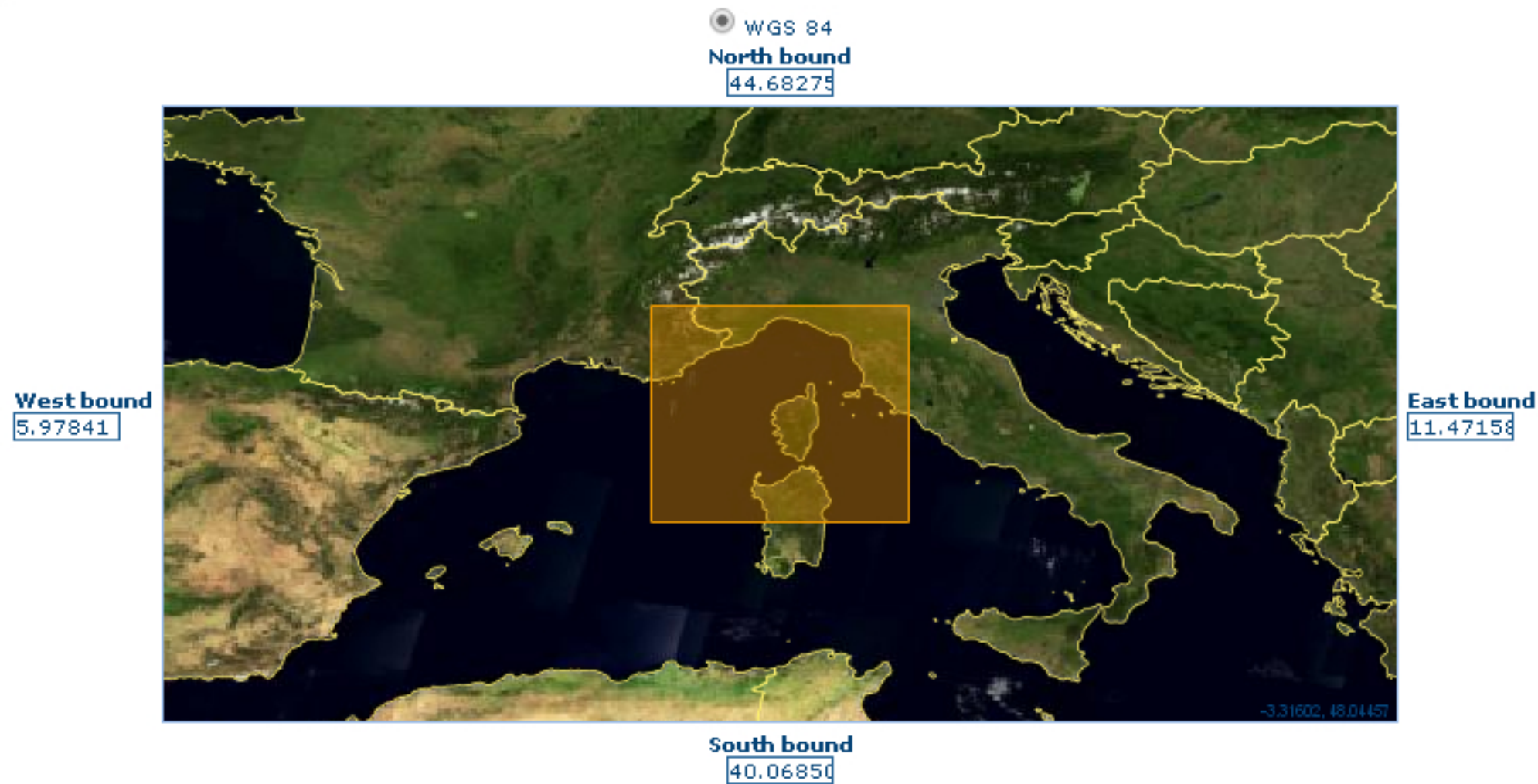
Equivalent scale

Denominator 1000000

Language English
Character set **UTF8:** 8-bit variable size UCS Transfer Format, based on ISO/IEC 10646
Topic category code Transportation

Extent

Geographic bounding box



Reference System Information

Code EPSG:3035

Metadata

File identifier e2b6a167-7b30-4f4d-acef-3b71a858b4bf
Metadata language English
Character set **UTF8:** 8-bit variable size UCS Transfer Format, based on ISO/IEC 10646
Date stamp 2015-03-22T23:00:28
Metadata standard name ISO 19115:2003/19139
Metadata standard version 1.0

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