CARGO VESSEL DENSITY FROM AIS [CIMA FOUNDATION, 2015]
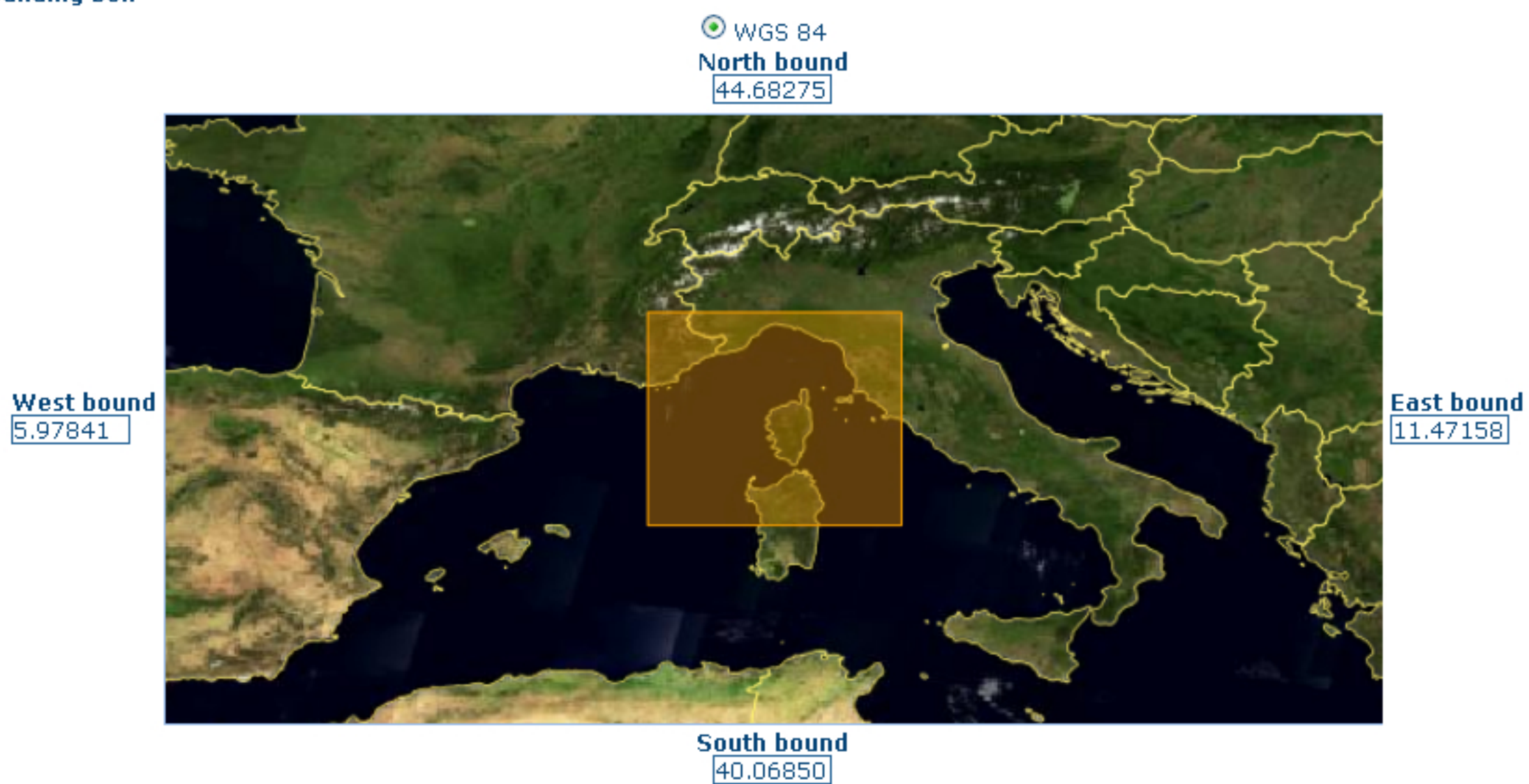

Identification info

Title	cargo vessel density from AIS [CIMA Foundation, 2015]
Date	2015-02-16T09:00:00
Date type	**Publication**: Date identifies when the resource was issued
Presentation form	**Digital map**: Map represented in raster or vector form
Abstract	Density of cargo vessel transits, expressed in kilometres per squared kilometre, within the spatial reference EPSG: 3035 at a 10km spatial resolution and including the INSPIRE compliant cell identifier. Transit distance was calculated from the CIMA Foundation's AIS dynamic point data which was recorded from an antennae located at 44.30°N and 8.45°E between May 2013 and October 2014. After an initial preparation, cleaning and filtering procedure a GIS platform was used to create line transits from the positional points for each unique vessel for each day. The length of the cargo vessel transits were then summed within each grid cell for total and monthly composites covering the North West Mediterranean Sea.
	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

⊙ WGS 84

North bound
44.68275

West bound
5.97841

East bound
11.47158

South bound
40.06850

Reference System Information

Code	EPSG:3035

Metadata

File identifier	354cc51f-ed41-4c58-bca8-98c9cb25d3a5
Metadata language	English
Character set	**UTF8**: 8-bit variable size UCS Transfer Format, based on ISO/IEC 10646
Date stamp	2015-03-22T17:59:02
Metadata standard name	ISO 19115:2003/19139
Metadata standard version	1.0

Contact

Organisation name	CIMA Foundation	Voice	0039019230271
Position name	BIO	Facsimile	003901923027240
Role	**Point of contact**: Party who can be contacted for acquiring knowledge about or acquisition of the resource	Delivery point	Via Magliotto 2
		City	Savona
		Administrative area	Savona
		Postal code	17100
		Country	Italy
		Electronic mail address	gis@cimafoundation.org