



INTERIM MEETING

15-16 February, 2017

Rome, Italy

State of the art for WP2

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CNR
Consiglio Nazionale
delle Ricerche



ISMAR
Istituto di Scienze Marine

WP 2 - Data compilation and management for modelling

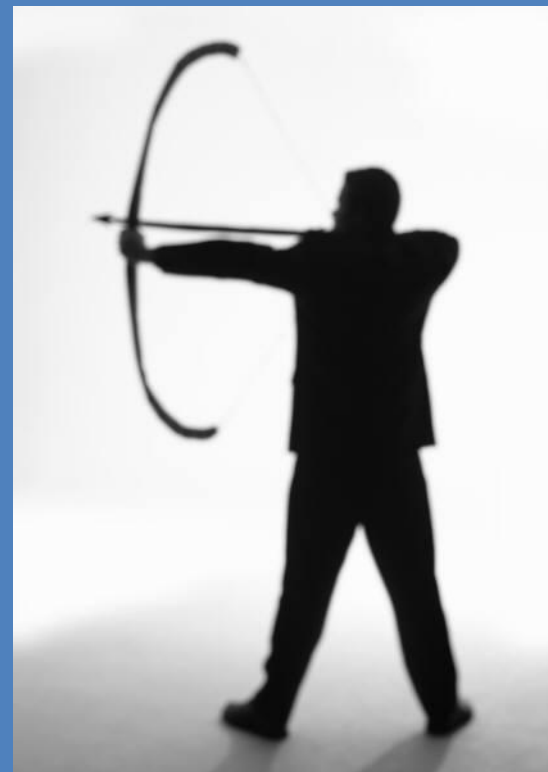
Lead: Giuseppe Scarcella (CNR)

Participants: CNR, Conisma, OGS, WWF, IOF, Nisea, Oceana

Duration: from month 1 to month 36

Objectives:

- Database that can store all the relevant georeferenced data for modelling in WP 3
- Acquire new information, if needed, for each investigated area in order to supplement the
- existing information to be used in a spatial-based approach to fishery management.
- Define and set up a database system to serve the needs of other WPs, specifically WP3.



BACKGROUND

This WP will set-up a robust and efficient information infrastructure that will support the spatial modelling experts working on case studies and the development of assessment tools.

Use of existing databases and portals (e.g. ADRIPLAN, MEDISEH, etc.,).

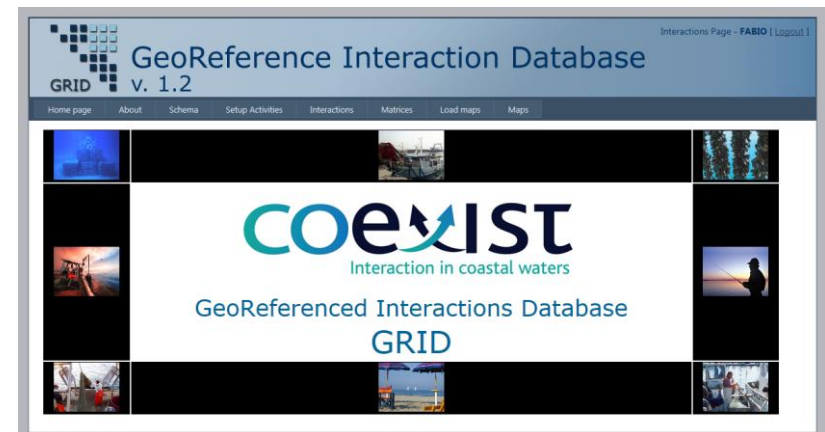
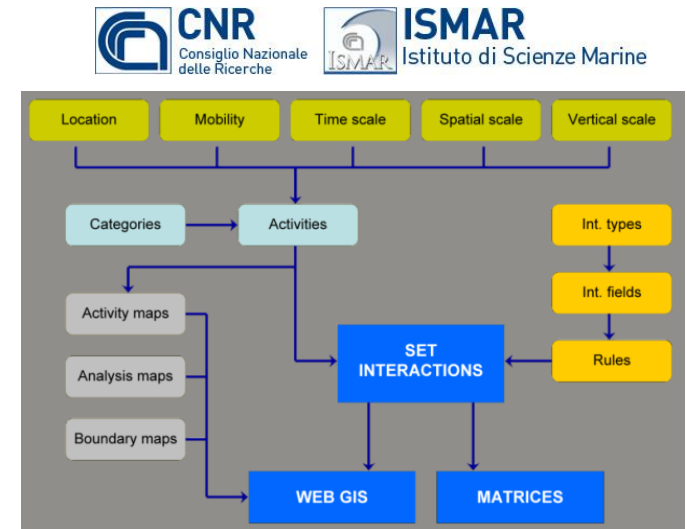
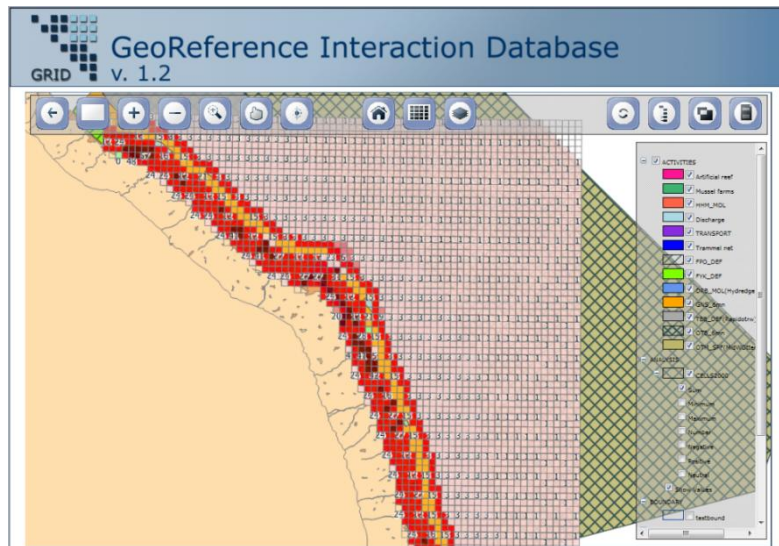


Georeferenced data:

- Maps of already established MMAs (including FRAs)
- Maps of persistent nurseries and spawning grounds.
- Maps of distribution of the fleets derived also from VMS (if available).
- Maps of protected and sensitive habitats.
- Oceanographic models depicting the circulation patterns of the waters will be included in the DB to be used in population connectivity analyses (OGS).

PROPOSED TOOL

GRID (GeoReference Interactions Database) is a web-based database and tool to analyse interactions (conflicts and synergies) that has a GIS application to analyse spatial distribution of current and future activities and interactions.





GeoReference Interaction Database

v. 1.2



1



2

1 Consiglio Nazionale delle Ricerche - Istituto di Scienze Marine

2 Thünen Institute of Sea Fisheries



Login

Case study: ADRIATIC SEA COAST

User Name:

Password:

☐ Save login data

Login

GRID (GeoReference Interactions Database) was developed in the framework of the EU project COEXIST (www.coexistproject.eu).

It's a **web-based flexible database connected with a number of tools to analyze interactions between coastal activities** (conflicts and synergies), it allows to fix and describe conflicts and synergies in a database, to calculate **conflict scores** and then to represent them on **matrices of interactions and maps**.

GRID has a **dedicated GIS application** to analyse spatial distribution of present and future activities (fisheries, aquaculture, other activities) and interactions (existing and potential synergies and conflicts).

A particular section of the database was created for some of the Case Studies considered in the framework of COEXIST project and, at present, access to GRID is restricted to the Case Studies staff.

Please contact the following persons to obtain more informations:
 Gianna Fabi (GRID developer group coordinator): g.fabi@ismar.cnr.it
 Roberto Gramolini: mail@kosmosambiente.it
 Fabio Grati: f.grati@ismar.cnr.it
 Torsten Schulze: torsten.schulze@ti.bund.de



INPUTED MAPS

Persistent areas of nurseries and spawning grounds

Source	Nursery areas		Spawning areas	
MEDISEH	Adriatic	SoS	Adriatic	SoS
	Arisfol	Arisfol	Arisfol	Arisfol
	Eledcirr	Eledcirr	Eledcirr	Eledcirr
	Galumel	Galumel	Galumel	Galumel
	Illecoi	Illecoi	Illecoi	Illecoi
	Merlmerl			
	Mullbar		Mullbar	Mullbar
	Nephnor	Nephnor	Nephnor	Nephnor
	Pageery		Pageery	Pageery
	Papelon		Papelon	Papelon
		Rajacla		Rajacla
			Aritant	Aritant
				Mullsur
	Sole		Sole	

INPUTED MAPS

- MMAs, NATURA 2000 from MEDISEH, COCONET, ADRIPLAN
- Maerl, Coral, SPAMI, Posidonia, Cymodocea, Zoostera from MEDISEH
- EFFORT distribution of OTB, PS and SSC from STOCKMED
- EFFORT distribution of trawlers (by month) from VMS data (only Italy)

MAPS TO BE INPUTED

- MMAs from Malta and other from SoS
- EFFORT distribution of trawlers (by month) from VMS (Malta and Croatia)