HATCH: Hadriaticum DATA HUB

Data management, protocols harmonization, preparations of guidelines: cross-border tools for maritime spatial planning decision-makers

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2014-2020 Interreg V-A Italy - Croatia CBC Programme

Cluster 4: Marine monitoring as a tool in Maritime Spatial Planning (MSP)

Specific objective of the Cluster 4: To improve the environmental quality conditions of the sea and coastal area by use of sustainable and innovative technologies and approaches

566621 TOTAL BUDGET
6 Partners
From 06/2022 to 06/2023

PROJECT PARTNERS

UNIVERSITÀ DEGLI STUDI DI UDINE
hic sunt futura
CORILA
REGIONE MARCHE
Istarsko veleučilište
Università Istriana di scienze applicate
BLUE WORLD INSTITUTE

EXTERNAL EXPERTS

CNR IRBIM
UNIVERSITÀ POLITECNICA DELLE MARCHE
OGS Istituto Nazionale di Oceanografia e di Geofisica Sperimentale
CNR ISMAR
IUAV

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WHAT

HATCH in the MSP

MSP aims to **preserve and protect** the marine environment at the same time to **integrate** the protection of vulnerable areas with their economic and/or recreational use.

HATCH intends to participate in the dissemination of the MSP methodology with respect to the Adriatic Sea.

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HOW

HATCH in the MSP

HATCH aims is **offering tools** to rationalize the use of resources, protecting fragile areas, planning the use of marine space to support economic growth, but also to safeguard the environment and its habitats, responds to an ever-increasing felt need.

First of all to answer to the Programme specific objective:

"Improve the environmental quality conditions of the sea and coastal area by use of sustainable and innovative technologies and approaches"

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HOW

Structure of the project

HATCH data set	HATCH for policy	HATCH best practices
1. Data collection from our std projects capitalization and more 2. Data analysis/ harmonization 3. Data preparation and HATCH Data Hub feeding	1. Preparation of protocols for data management and geoplatform use 2. Involvement of technical and admin and policy-maker person (exploitation plan)	1. Survey about case-study(s) and good practice(s) 2. Involvement of the local communities

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Methodology

Project objectives

Capitalization and harmonization: harmonization of data from these previous standard projects to exchange and exploit the results (Best Practices and Monitoring protocols)

Tool for planning: preparation of an on line geodatabase to support public administrators (and other relevant stakeholders) in taking decisions related to Maritime Spatial Planning in the Adriatic Sea

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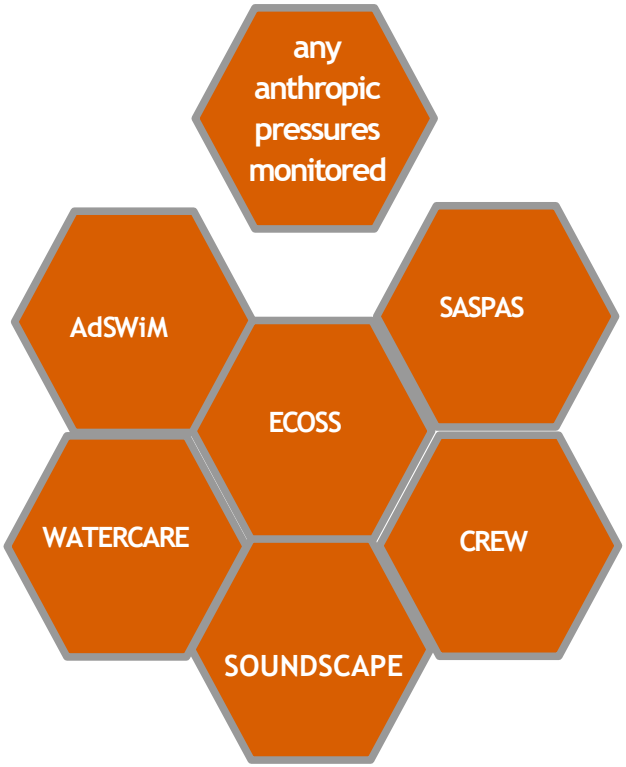
CAPITALIZATION: use data on chemicals, microbiological, pollutants, nutrients, macrophyte distribution and noise effect on the wildlife from the past Interreg IT-HR Standard projects.



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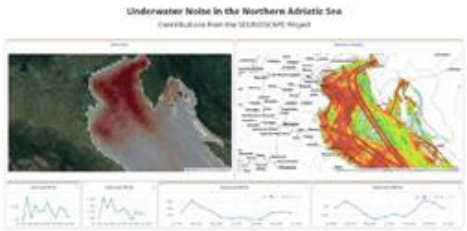
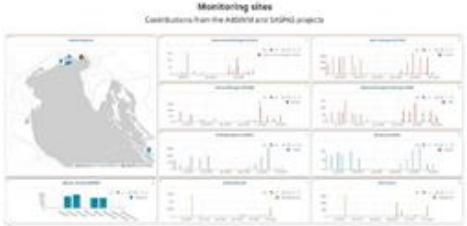
Decision makers
Management Questions

Drivers
Sustainable Blue Economy
Preserve core Ecosystem Services

HATCH Harmonised Geodatabase





Information resources:
- Geospatial Explicit Elements
- Pressure Layers
- Monitoring datasets
- Other datasets from the IT-HR projects
- MSP data
- Data from external resource (eg. EMODnet data)

Functionalities:
- Interactive mapping
- Multi-temporal visualization
- Interactive dashboards
- Interoperable standards

Copernicus
Climate Change Service

SID IL PORTALE DEL MARE

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Hadriaticum data hub displaying the harmonized data and easily available

The main challenges that emerged:

- Heterogeneity of goals and objectives between projects, and with the MSP topic.
- Heterogeneity of spatial and temporal scales.
- Heterogeneity of spatial representations, data models and data formats.

- ➢ It is evident whether the monitoring was organized in the MSP vision or not.
- ➢ "spotted" data of monitoring adds information and are valorised.

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Stakeholder engagment

The exploitation plan is under preparation.
We now need to detail who are the ***stakeholders*** to share with them the outputs we collected in our pilot sites, meanwhile showing the performed methodological efforts;
these could be ***accepted / rejected / redesigned*** in relation to the end users we are addressing and/or to the peculiarities of other marine areas

but

it is a way to start the ***discussions*** and some ***reasoning***.
Initially it has been intended for policy makers;
NGOs, general public and an approach «citizen science» are now under consideration.

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Evolution

All the collected inputs (through the past projects and the stakeholders' engagement) will be the basis for the development of proper ideas for the next Programming period.

The platform is available to be fed with data transborder!

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HATCH and the GreenDeal

HATCH is in line with the objectives of the European GreenDeal, in particular with the new **2030 Biodiversity Strategy**.

The projects Interreg IT-HR investigated different «kind» of pollution in Adriatic Sea for restoring marine ecosystems and reducing pollution.

Togheter to integrate and organize crossborder intervention for further improve the quality of the Adriatic Sea.

Way of working

Continuity over time

Knowledge, Awareness, Management

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HATCH in EUSAIR

Pillar 1 BLUE GROWTH will focus on three topics:
Topic 1 – Blue technologies
Topic 2 – Fisheries and aquaculture
Topic 3 – Maritime and marine governance and services

Blue Growth
EUSAIR

Pillar 3 ENVIRONMENTAL QUALITY among others two topics are identified as pivotal :
Topic 1 – The marine environment
Topic 2 – Transnational terrestrial habitats and biodiversity

Environmental Quality
EUSAIR

Pillar 4 SUSTAINABLE TOURISM will focus on two topics:
Topic 1 – Diversified tourism offer (products and services)
Topic 2 – Sustainable and responsible tourism management (innovation and quality)

Sustainable Tourism
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Thank you for your attention!

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