



NETWORKING AND COMPLEMENTARITIES FOR THE EMBEDDING OF EUSAIR

3rd Action Lab EUSAIR-ETC Managing Authorities

TOWARDS THE EMBEDMENT OF THE ADRIATIC-IONIAN PILLAR 3 FLAGSHIP
ICZM&MSP

Iztok Škerlič, Municipality of Izola
TSG3 supporting structure



MAIN CHALLENGES EU/WORLD



- Biodiversity loss: key threats for humanity
- Almost **half of global GDP** is linked to nature
- **Connections** between biodiversity loss, climate change and pandemics
- **Restoring biodiversity** core part of recovery
- NATURA 2000: protect 30% of land and in particular **the sea**

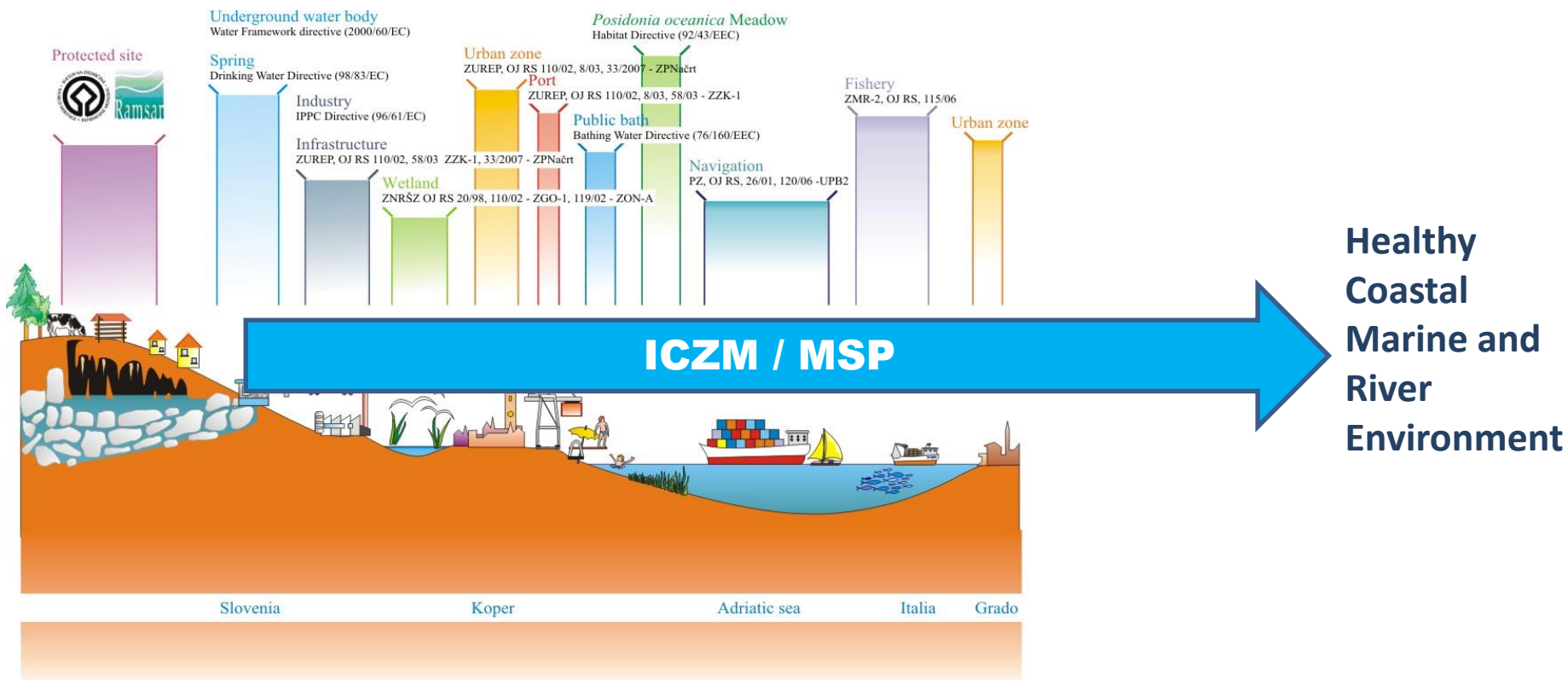
EU Biodiversity STR by 2030:

- at least 30% of the EU's land area and 30% of the EU's marine area should be **protected**;
- at least one third of protected areas - that is 10% of the EU's land area and 10% of the EU's marine area - should be **strictly protected**;
- **provisions on effective management and restoration.**



MAIN CHALLENGES EU/WORLD

EU Directive on MSP, July 2014: <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=uriserv:OJ.L .2014.257.01.0135.01.ENG>



Blue Corridors in EU Sustainable blue economy, **Council decision May 2021** - <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=COM:2021:240:FIN>

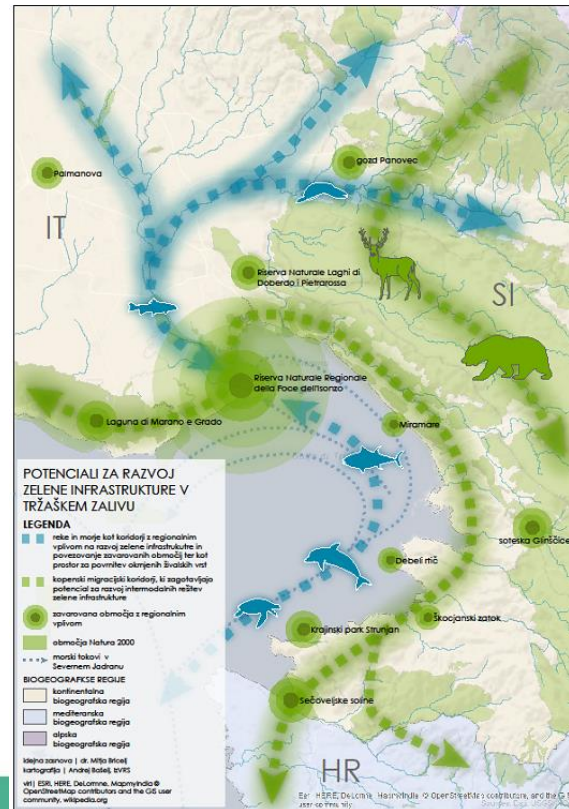
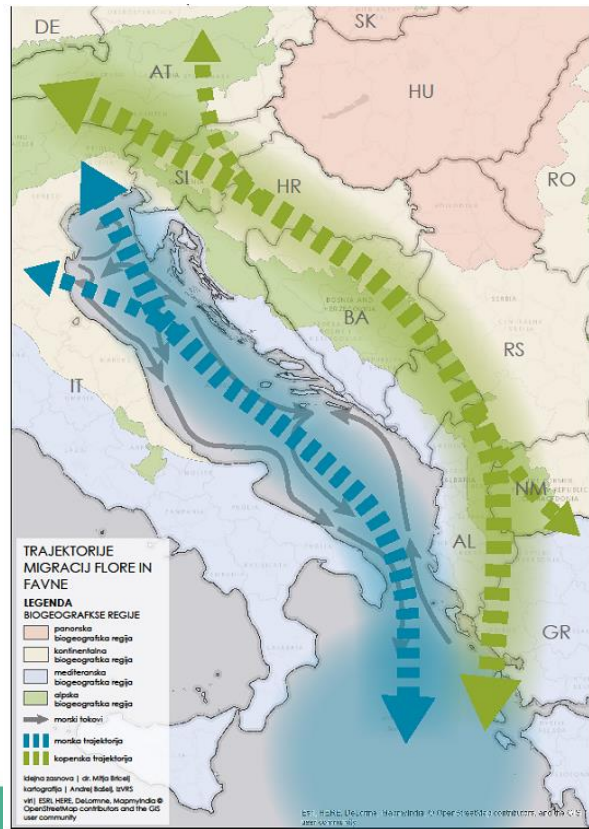


GREEN AND BLUE CORRIDORS IN MSP

Green and Blue Corridors are environmental spatial links of Green Infrastructure areas that maintain or improve biodiversity and/or the **supply of ecosystem services**.

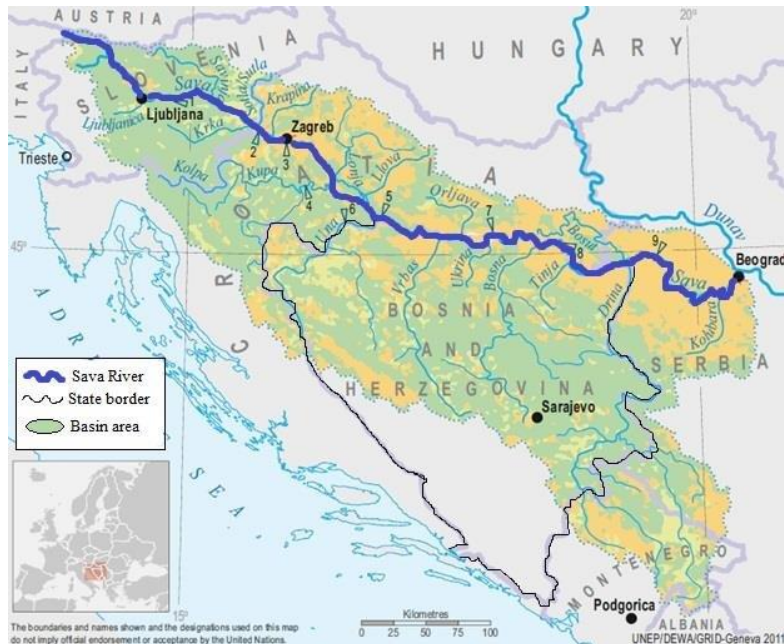
Features of Green and Blue Corridors:

- Their basic feature is **connectivity**.
- Green and Blue Corridors make part of the **green infrastructure network**.
- They are recognised on all three levels: micro, mezzo, macro.



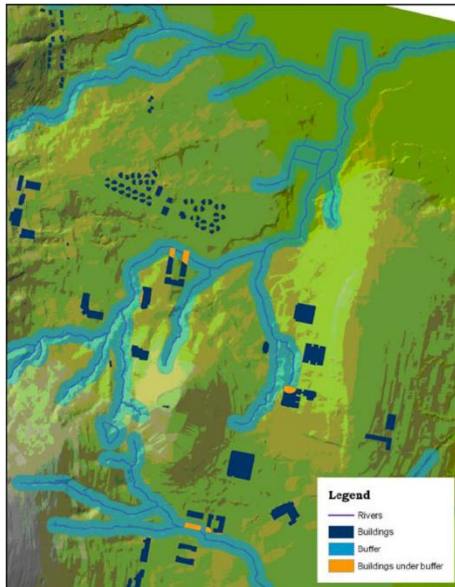
GREEN AND BLUE CORRIDORS IN MSP – INCLUDES THE RIVER BASIN MANAGEMENT

- **SAVA RIVER BASIN** - Protection of Biodiversity of the Sava River Basin Floodplains – flood forecast system
- **MURA-DRAVA** river System as part of European Green Belt
- „**MORE SPACE FOR WATER**“ - functioning of UNESCO in the field of water management



BUFFER ZONES ON RIVERS FOR SEAS Green Infrastrucure (GI)

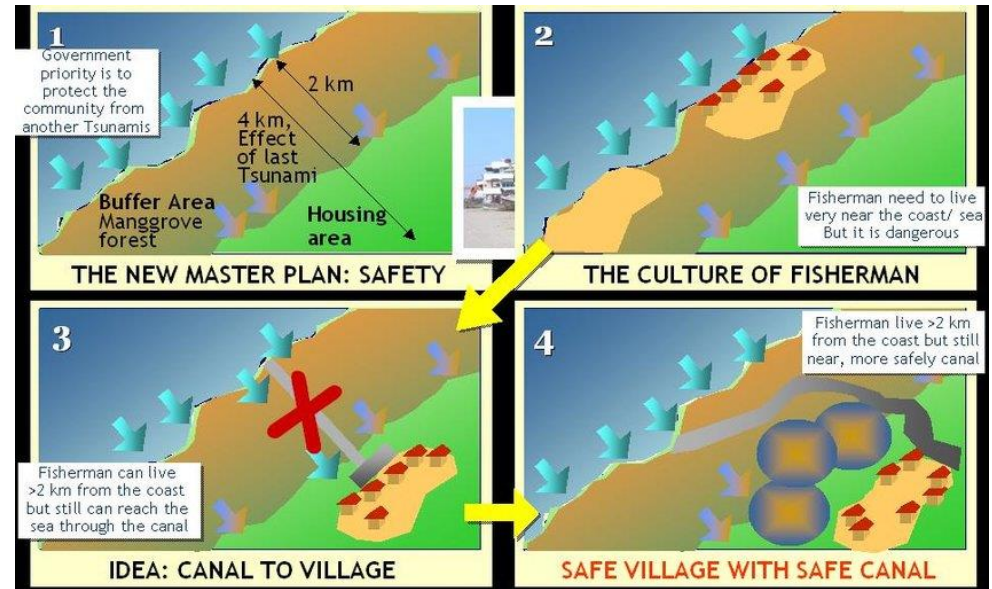
The GI concept offers a practical way for the EU Biodiversity Strategy (EBS) to take place, not only as a benefit for wildlife, but for human well-being as well. Together with other protocols, such as River Basin Management Plans (RBMPs), Integrated Coastal Zone Management Protocol (ICZM), Marine Spatial Planning (MSP)..., EBS offers a way of how to start achieving the natural recovery by 2030.



Buffer zone: rivers

Source: Cigden et al, 2006

,A Gis-Based Campus Information System:
Izmir Institute of Technology'



Buffer zone: seas

Source: Bergado et al, 2005

,Tsunami devastations and reconstruction with geosynthetics'



Handbook for green Infrastructure and spatial planning

- Preparation of the **Handbook** with the national Ministries, Municipalities, Institute for Water of the Republic of Slovenia, University of Ljubljana and **EUSAIR TSG3** that is available here: <https://www.adriatic-ionian.eu/event/6th-annual-eusair-forum/handbook-for-recognising-and-planning-green-infrastructure/>



6th Forum
of the EU Strategy for the Adriatic and Ionian Region
Along the coasts of the shared sea
Izola, 11–12 May 2021

Slovenian Presidency
20-21

Handbook for
Recognising and Planning
Green Infrastructure

Co-funded by
the European Union

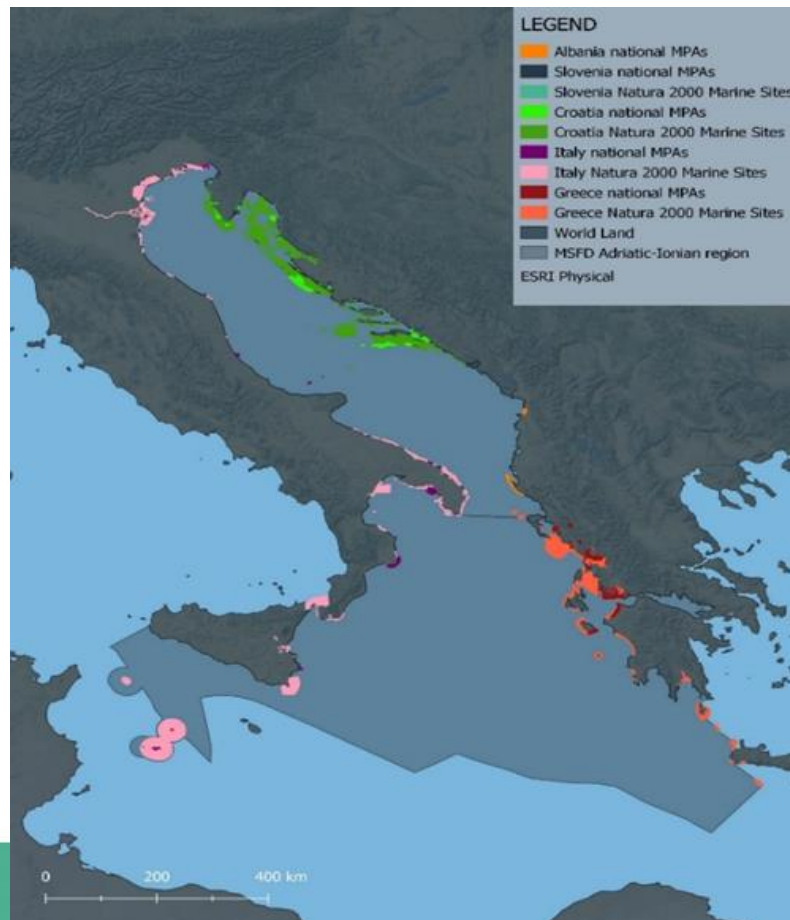


ICZM&MSP ROLE AND TARGETS IN THE NEW POLICY FRAMEWORK

Strictly protect a third of these areas

Covering areas of very high biodiversity value & important for mitigation and adaptation to climate change, including all primary and old growth forest

- TSG 3 FLAGHIPS: ICZM&MSP are THE ANSWER!!!



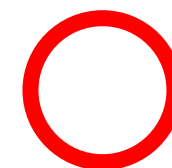
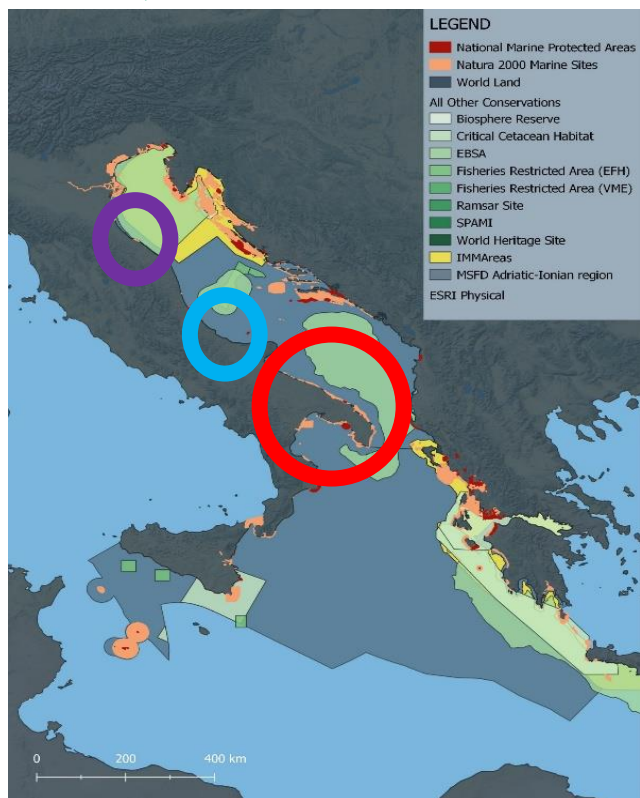
The Adriatic-Ionian region has the lowest proportion of protected seas of all regional seas in the Mediterranean region!

- only 3,57% „protected“ (EU 2030 target: 30 %)
- only 0,07% „strictly protected“ (EU target: 10%)



Analysis of Marine (water) Protected Areas in EUSAIR and Proposals for Corrective Measures (FP PLUS grant by EC)

Andrej Sovinc, PhD , Slovenia



Not conflicting with fishing



Some conflicts with fishing



Intensive fisheries

Map of the most valuable biodiversity areas (left) and map of intensity of fishing activities (yellow: low intensity fishing, red: high intensity fishing areas – right map)

<https://www.adriatic-ionian.eu/event/mediterranean-coast-and-macro-regional-strategies-week-2021-brings-new-dimension/presentations/> and

<https://www.adriatic-ionian.eu/library/> (BROCHURE AND PUBLICATIONS)



TSG 3 FLAGHIPS: ICZM&MSP are THE ANSWER!!!

ICZM&MSP – razvoj trajnostnega upravljanja obalnih in morskih območij
ICZM&MSP – sviluppo sostenibile delle zone costiere e marittime
ICZM&MSP – sustainable development of the coastal and maritime zones

Spodbujanje trajnostne rasti Jadransko-jonske regije z implementacijo ICZM – integralnega upravljanja obalnih območij ter MSP – pomorskega prostorskega načrtovanja kot prispevek k skupnemu regionalnemu načrtovanju ICZM po Barcelonski konvenciji. Koncept projekta je bil razvit v okviru stebra Kvaliteta okolja Strategije EU za Jadransko-jonsko Regijo (EUSAIR).

Incentivazione della crescita sostenibile della Regione adriatico-ionica attuando la GIZC – Gestione Integrata delle Zone Costiere e la PTM – Pianificazione Territoriale Marittima, contribuendo così alla pianificazione regionale congiunta della GIZC ai sensi della Convenzione di Barcellona. Il progetto è stato concepito e sviluppato nell'ambito del pilastro Qualità ambientale della Strategia UE per la Macroregione adriatico-ionica EUSAIR.

Fostering the sustainable growth of the Adriatic-Ionian Region by implementing ICZM – Integrated Coastal Zone Management and MSP – Maritime Spatial Planning, thereby contributing to the ICZM joint regional planning under the Barcelona Convention. The project was designed within the Environmental Quality pillar of the European Adriatic-Ionian Macro-Regional Strategy EUSAIR.

4
 identificirana 4 testna območja za izvedbo pregleda implementacije ICZM&MSP konceptov
 identificate 4 aree di prova per la revisione dell'implementazione dei concetti GIZC&PTM
 identified 4 pilot areas in order to carry out a review of the implementation of ICZM & MSP concepts

1 strategija upravljanja podvodne kulturne dediščine + 1 strategija di gestione del patrimonio culturale subacqueo + 1 underwater cultural heritage management strategy

1 skupna platforma s podatki izbranih območij in njihovem upravljanju + 1 piattaforma comune con dati relativi alle aree e alla gestione + 1 platform with data related to areas and management

1 usklajena povezava rečnega in morskega sistema upravljanja + 1 collegamento armonizzato del sistema di gestione fluviale e marittimo + 1 harmonized link between river and marine management systems

9
 sodelujočih držav + paesi partecipanti + participating countries

3
 3 različne prostorske lestvice za izvedbo pregleda implementacije ICZM&MSP konceptov
 3 diverse scale spaziali per eseguire la revisione dell'implementazione dei concetti GIZC&PTM
 3 different spatial scales to carry out the review of the implementation of ICZM & MSP concepts

3MPS – Monitoring in upravljanje zaščitenih morskih vrst
3MPS – Monitoraggio e gestione delle specie marine protette
3MPS – Monitoring and management of marine protected marine species

Projektni koncept je razvit v okviru stebra Kvaliteta okolja Strategije EU za Jadransko-jonsko Regijo (EUSAIR). Spodbuja bo varovanje sgođenih zaščitenih morskih vrst pred onesnaževanjem in ekonomični vpilivi človeka na območju jadransko-jonske regije.

Il progetto è stato concepito e sviluppato nell'ambito del pilastro Qualità ambientale della Strategia UE per la Macroregione adriatico-ionica EUSAIR, per promuovere la protezione delle specie marine a rischio di estinzione dall'inquinamento e dall'impatto delle attività umane.

The project concept was developed within the Environmental Quality pillar of the European Adriatic-Ionian Macro-Regional Strategy (EUSAIR). It will promote the protection of endangered protected marine species from pollution and the impact of human activities environment.

7
 sodelujočih držav + participating countries
 Creazione di una rete di monitoraggio delle aree marine protette
 Establishment of a Marine Protected Area Monitoring Network

4
 4 gošene morske vrste s izboljšanim življenjskim prostorom + specie marine a rischio di estinzione con habitat migliorato + endangered 4 marine species with improved habitat

4 referenčne vrste, ki se jih bodo vključile v projektno območje
 4 prime specie di riferimento che saranno prese in considerazione nel progetto stesso
 The first four reference species to be addressed by the project area:

- Črna riba (Black Shark) - *Galeorhinus galeus*
- Črna kornjača (Common Monk Seal) - *Monachus monachus*
- Črna kornjača (Mediterranean Monk Seal) - *Monachus monachus*
- Črna kornjača (Mediterranean Monk Seal) - *Monachus monachus*



2014-2020 EXAMPLES ICZM&MSP

HARMONISATION OF APPROACHES (UPGRADE OF NATIONAL MSP IN CBC&ESUAIR)

	ADRION	IT-SLO	IT-CRO	MED	LIFE
Governance of maritime space	SHAPE; ADRIPLAN,				
Joint Maritime Spatial Plans	ADRIPLAN				
Integrated policies aiming at limiting anthropogenic pressure	MyCoast	TRECORA LA	ML-REPAIR	COSTANCE	MarineClean

DEVELOPMENT OF COMMON DATA

	ADRION	IT-CRO	LIFE	MED	HORIZON
Collecting of data and big data support policy making	PORTODIMARE, GAF ADRIATIC			Medpan North	SUPREME
Monitoring (e.g. homogenous indicators; joint monitoring systems)	FP EUSAIR	AdriaMORE;	TARTALIFE	Coastga p	



2014-2020 EXAMPLES

ENVIRONMENTAL PROTECTION (CONFLICTING USES OF THE SEA)

	ADRION	IT-HR	HORISZON	MED
Development of Blue corridors	FP EUSAIR; HarmoNIA; MyCoast			
Identify areas to be protected (e.g. Transnational MPAs; feasibility study for CBC MPAs; joint management and governance plans for MPAs)	FP EUSAIR; FP PLUS; HarmoNIA			FISHMPABlue2; PHAROS4MPAS
Reduce maritime source of pressure to marine environment (e.g. community based initiatives; awareness raising; development and testing of innovative solutions to reduce pollution)	NetCet; DeFischGear; ARLEM; ARIEL		Ecosystem- Based Managem ent (EBM)	MEDSEALITTER; AMARE; POSBEMED; ACT4LITTER



GREEN AND SMART PORTS FLAGSHIP: POSSIBLE ACTIONS

HARMONISATION OF APPROACHES

- Need for additional tools to assist implementation of ICZM and MSP plans at all scales (macroregional, sub-regional, local)
- Use Blue-Green Corridor concept – **Ecosystem Approach with Connectivity**;
- multi-level governance best practices (bottom-up) to better influence decision at national and transnational level (EGTC)
- Implementation of Green infrastructure in line with the Handbook: <https://www.adriatic-ionian.eu/event/6th-annual-eusair-forum/handbook-for-recognising-and-planning-green-infrastructure/>

DEVELOPMENT OF COMMON DATA

- consolidate and extensively use the Geoportal of Adriatic-Ionian Region <https://www.portodimare.eu/>, recently developed under the PORTODIMARE project. Especially the long term maintenance.
- Tools to assess vulnerability and **carrying capacity of coastal** and marine ecosystems in a context of multiple sea uses
- Establishment of **ADRION Association of Marine protected areas** in order to promote the advantages of protection in terms of fishing and productivity



ICZM&MSP FLAGSHIP ACTIONS

Environmental protection

- **4 pilot cases in** Gulf of Trieste, Neum/Klek Bay, Jabuka Pit, Otranto channel to test approaches and tools. The areas were selected by the criteria of Importance of Biodiversity or because of Enhanced Human activities- **We have to Act NOW!**
- Enhance the protected areas in the Sea at transboundary level in order to reach the goal **of 30% of protection of the Sea**
- Substitute the GRAY infrastructure with the Green infrastructure with less impact on environment and emissions
- Prevention of Marine litter from Rivers and yachts



ICZM&MSP FLAGSHIP ACTIONS

Circular Economy

- Focus on communication to sector stakeholders: both private (industry) and public (administrations, policy makers, schools).
- **Develop communication tools/initiatives aiming at highlighting concrete benefits of MSP and ICZM for local communities (e.g. job creation, better quality of the environment, valorization of local UCH resources, etc.)**
- Ensure involvement of young generations in the discussion about MSP and in promotion of best practices.

Cross-theme

- **To provide in-depth analysis on ICZM and MSP needs and opportunities for specific CBC areas around the 4 pilot cases**
- To activate focused and long lasting dialogue with stakeholders in the area
- **co-existence and synergies of coastal and maritime uses**
- practical solutions to contribute to climate change mitigation and adaptation where the CBC approach is needed
- Organize discussion about specific **environmental monitoring** and investigation needs at regional and sub-regional level, having a transboundary component and agree on joint actions (e.g. joint monitoring programs for marine litter, coordinated studies on climate change adaptation, etc.).
- **Use Blue-Green Corridor concept** – Ecosystem Approach with Connectivity;



Promotion of sustainable growth of the AI region by implementing ICZM and MSP also to contribute CRF on ICZM of Barcelona convention and the monitoring and management of marine protected areas.

COUNTRY	CONCRETE ACTIONS, SPECIFIC OBJECTIVES AGREED AT TSG3 LEVEL BY COUNTRY
CROATIA	Monitoring, Spatial analysis, mapping, data collection Enhancing resilience of coastal settlements Identification of marine animals and protected marine areas
ITALIY	Capitalize on the Geoportal of Adriatic-Ionian Region Thematic Cluster n. 2 Coastal & Marine Environment management
MONTENEGRO	Establish monitoring, thresholds Preparation of the local ICZM and adaptation to climate change Plan in Boka Kotorska Bay Establishing database for monitoring and good practices
SLOVENIA	Eco – connectivity along the coast between Koper and Izola to Natura 2020 sites with ITA and CRO, green mobility infrastructure, piers, regulations Monitoring biodiversity, conservation measures,





THANK YOU FOR YOUR ATTENTION

JZP Izola

Javni zavod za spodbujanje podjetništva in razvojne projekte
Občine Izola -

Ente pubblico per la promozione dell'imprenditoria e
progetti di sviluppo del Comune d'Isola

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