

Conferenza

LE AREE COSTIERE E LA SFIDA DEI CAMBIAMENTI CLIMATICI

PORTI VERDI, AREE URBANE, GESTIONE E ADATTAMENTO DEI LITORALI PER UNA CRESCITA BLU SOSTENIBILE

**Coastal adaptation plans according to the
ICZM Protocol for the Mediterranean**

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26/10/2021

Sala Reclaim Expo

ECOMONDO Edition 2021 (26-29 settembre) Rimini Fiere

<https://www.ecomondo.com>

Introducing PAP/RAC of UNEP MAP



· UNEP/MAP and the Regional Activity Centres

SOED, 2020

Priority Actions Programme
Regional Activity Centre

Established in 1977, as one of 7
Regional Activity Centres of the
Mediterranean Action Plan (MAP)

MAP is one of 18 regional seas of
UNEP

Today's key mission of PAP/RAC is
assistance to countries to
implement the ICZM Protocol

Barcelona Convention - for the Protection of the Mediterranean Sea Against Pollution

Legal instruments	Albania	Algeria	Bosnia and Herzegovina	Croatia	Cyprus	European Union	Egypt	France	Greece	Israel	Italy	Lebanon	Libya	Malta	Monaco	Montenegro	Morocco	Slovenia	Spain	Syrian Arab Republic	Tunisia	Turkey
Barcelona Convention and Amendments	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Dumping Protocol and Amendments	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Emergency Protocol	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Prevention and Emergency Protocol	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
LBS Protocol and Amendments	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
SPA Protocol	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
SPA and Biodiversity Protocol	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Offshore Protocol	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Hazardous Wastes Protocol	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
ICZM Protocol	■	■	■	■	■	■	■	■	■	■	?	■	■	■	■	■	■	■	■	■	■	■

No instrument of ratification, adhesion, approval or accession deposited.

 Instrument of ratification, adhesion, approval or accession deposited but Protocol has not yet entered into force.

 Instrument of ratification, adhesion approval or accession deposited and Convention or Protocol entered into force.

Ratification of Barcelona Convention and Protocols by the individual Contracting Parties, December 2019

ICZM Protocol

Key facts:

- unique legal instrument internationally
- first, and a model for other regional seas
- ratified by 11 Mediterranean countries and the EU

Article 5. Objectives of ICZM

- preserve coastal zones for the benefit of future generations
- ensure that the environment and landscapes are in harmony with economic, social and cultural development
- preserve integrity of coastal ecosystems and landscapes
- prevent and/or reduce the effects of natural hazards
- achieve coherence between public and private initiatives, and all decisions at the national, regional and local levels



Article 8. Protection and sustainable use of the CZ

- 100m coastal setback – zone where construction is not allowed
- avoid linear coastal development including creation of new transport infrastructure
- preserve coastal ecosystems and landscapes

ICZM Protocol

Article 18: NATIONAL COASTAL STRATEGIES, PLANS AND PROGRAMMES

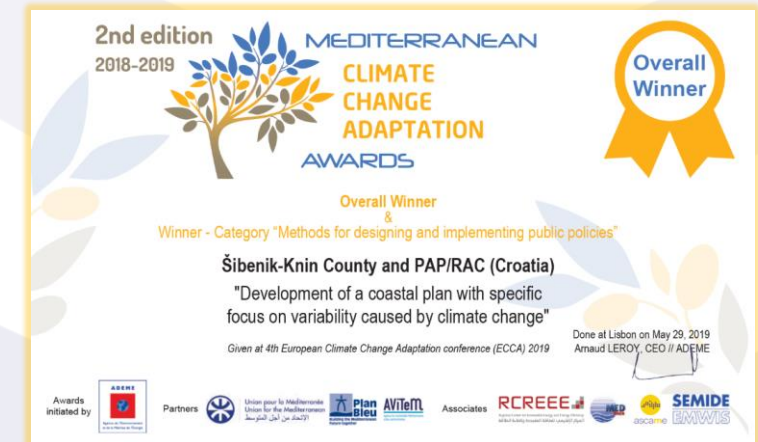
.. Each Party shall further strengthen or formulate a **national strategy for integrated coastal zone management** and **coastal implementation plans and programmes** ... which may be self-standing or integrated in other plans and programmes, shall specify the orientations of the national strategy and implement it at an appropriate territorial level ...

CAMPs implemented since 1989

1993 1999 2003 2007 2013 2021



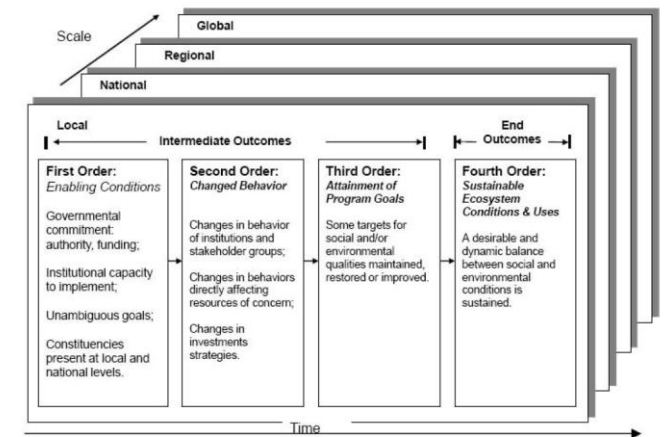
- First Coastal Plan according the ICZM Protocol developed 2014-2015 and **adopted in 2016**.



- **Mediterranean Climate Change Adaptation Award**, received at ECCA Lisbon 2019, in competition of 28 projects from 9 countries
- Since than 3 more plans have been finalized and adopted in Croatia, and 8 more have been launched this year around Mediterranean.

Key ingredients for success

- First and the most important factor of success is – **ACTUAL IMPLEMENTATION OF THE PLAN!**
- The most important objective to achieve during the plan preparation –
- **TO CREATE FAVOURABLE ENVIRONMENT FOR THE IMPLEMENTATION OF THE PLAN**
- Identifying key actors for implementation and involve them from the very beginning
- Creating ownership
 - Defining clear, precise goals and secure their wide adoption
 - Securing quality through integrated approach
 - Securing resources
- Embedding the plan into the **governance system**



Source: Olsen 2003

OUTPUTS

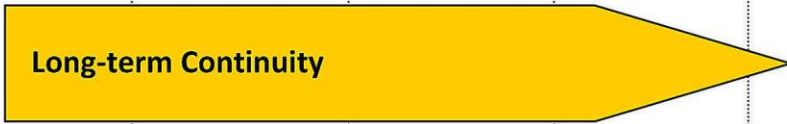
Fourth Order

Achieving Sustainability through Integration

Mediterranean Action Plan
Barcelona Convention



Sustainable ICZM



Long-term Continuity

Third Order
Achieving Results

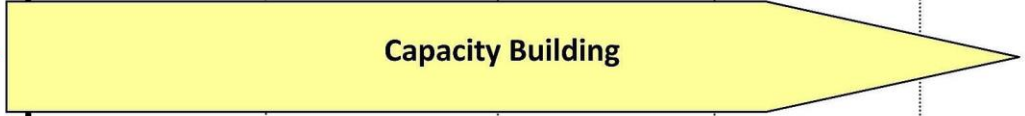


Action Plan & Investment Portfolio

Second Order
Achieving Changes in Behaviour

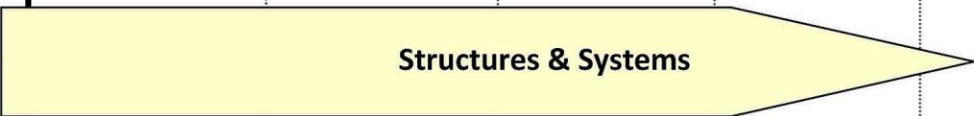


Pilot Actions & Awareness Raising



Capacity Building

First Order
Creating an Enabling Framework



Structures & Systems

PLAN OUTPUTS OVER TIME

SUSTAINABILITY
Sustainable coastal and marine resource management
High-level policies and institutional structures

FROM PUSH TO PULL
From short-term plan preparation to long-term planning processes
Embedding results
From outputs to outcomes

APPLICATION
Plans completed,
Plans formally adopted
Plans reviewed

TESTING & DELIVERY
Pilot Actions
Plan delivery programmes
Geographic scale
Plans delivered

CAPACITY
planning Issues identified
Training
Information & Research
Awareness

GOVERNANCE
Legal, institutional, policy and governance structures
Stakeholder Groups

Source: PAP/RAC, B. Shipman, adapted from S. Olsen

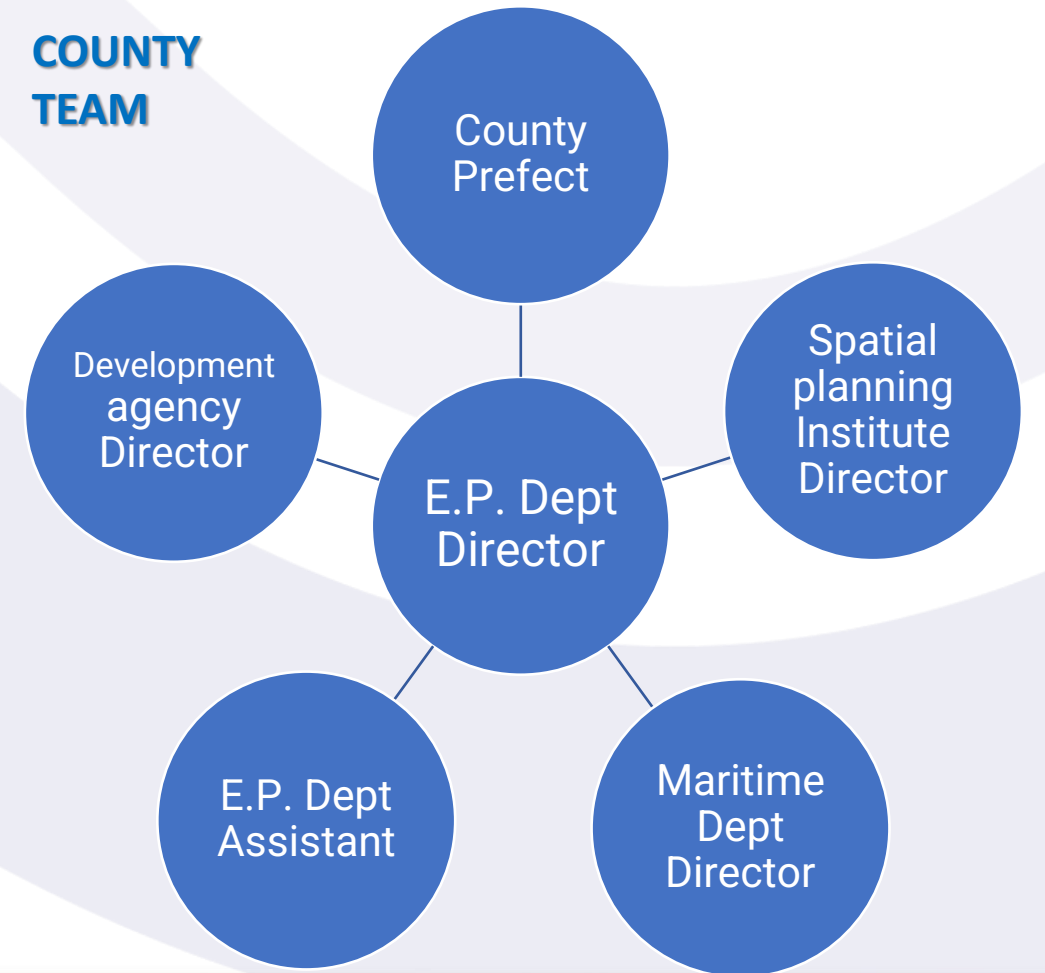
Key ingredients for success

- Embedding the plan into the governance system
Ingredients of the governance are **institutions**, legal and regulatory instruments, as well as enforcement mechanisms; scientific expertise and technological tools and methods, information/education, consultation and participation process.

STEERING COMMITTEE MEMBERS:

- Director of Coastal and marine Dept (MoE)
- Director of the Dept for climate (MoE)
- Director of the Dept for spatial planning, (MCSP)
- Croatian Waters, Director of the planning Dept.
 - Prefect of the ŠK County
 - Director of the Dept for EP and municipal aff.
 - Director of the Dept for maritime affairs, transport, insular and regional development
 - Regional Development Agency
 - Mayors of 3 cities
 - NGO Island's assembly

COUNTY TEAM



MEASURES: MANAGEMENT - GOVERNANCE

NATIONAL COMMITTEE FOR INTEGRATED COASTAL AND MARINE MANAGEMENT



COUNTY COMMITTEE FOR INTEGRATED COASTAL AND MARINE MANAGEMENT:

COORDINATOR: COUNTY PREFECT

SECRETARY: ADMINISTRATIVE DEPARTMENT FOR ENVIRONMENTAL PROTECTION AND MUNICIPAL AFFAIRS

MEMBERS:

ADMINISTRATIVE DEPARTMENT FOR MARITIME AFFAIRS, TRANSPORT, INSULAR AND REGIONAL DEVELOPMENT

ADMINISTRATIVE DEPARTMENT FOR ECONOMY

INSTITUTE FOR SPATIAL DEVELOPMENT

REGIONAL DEVELOPMENT AGENCY

PUBLIC INSTITUTION "NATURE"

PORT AUTHORITY

INSTITUTE FOR PUBLIC HEALTH

COUNTY PROTECTION AND RESCUE OFFICE OF THE NATIONAL PROTECTION AND RESCUE DIRECTORATE

FIREFIGHTING ASSOCIATION

"WATER SUPPLY AND WASTE WATER SERVICE, ŠIBENIK"

"CROATIAN WATERS"

ADVISORY BOARD FOR INTEGRATED COASTAL AND MARINE MANAGEMENT



ADMINISTRATIVE COMMITTEE : CITIES AND MUNICIPALITIES



Key ingredients for success

Creating favourable environment for the implementation of the plan:

- Embedding the plan into the governance system

Ingredients of the governance are institutions, **legal and regulatory instruments**, as well as enforcement mechanisms; scientific expertise and technological tools and methods, information/education, consultation and participation process.

ICZM Protocol, Article 18

.. coastal implementation plans and programmes ... which may be self-standing or integrated in other plans and programmes, ...

The spatial plan of the SKC

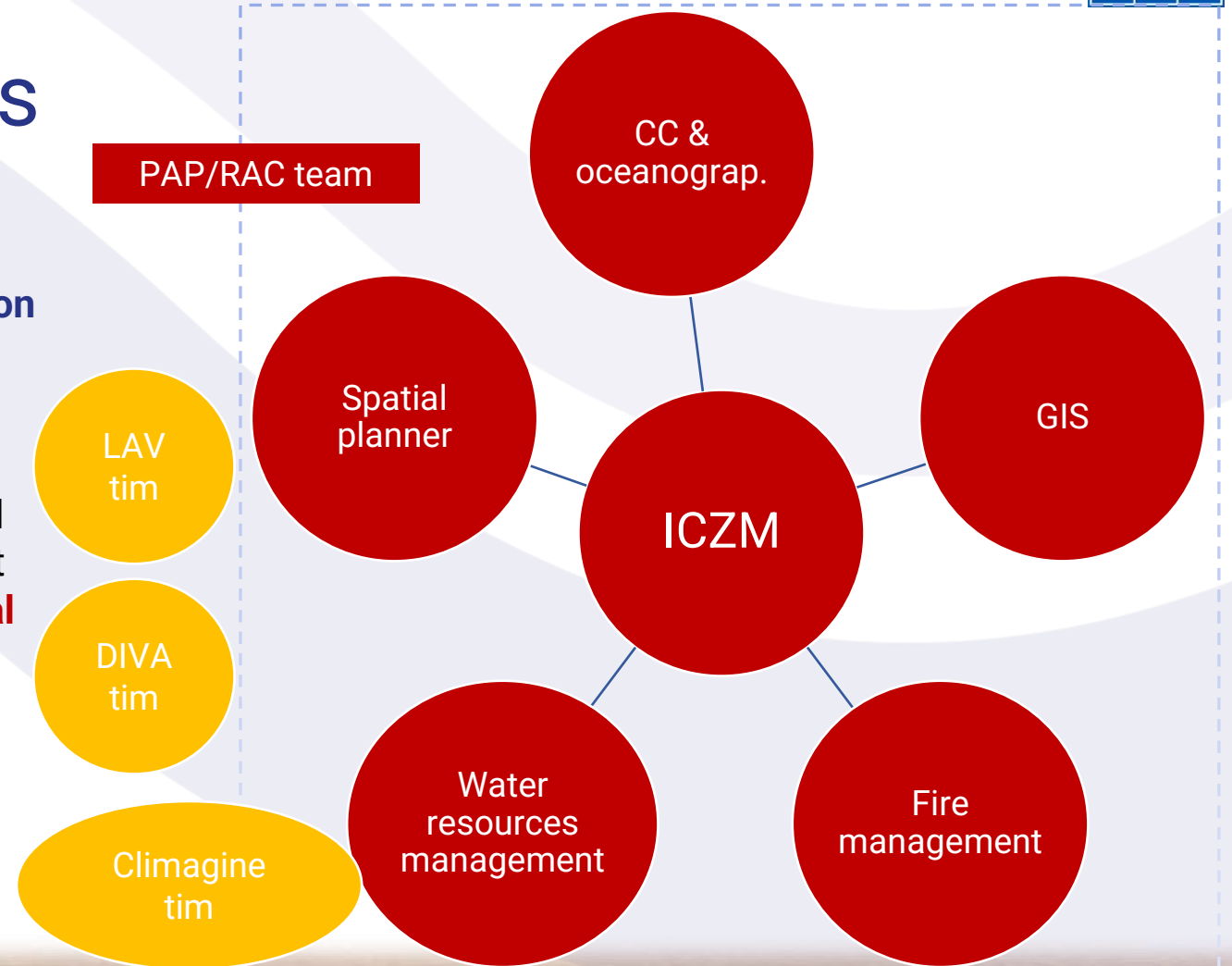
recognizes coastal zone and islands as the area of special values and features, and as such it proposes as mandatory continuous monitoring and proposing measures for its improvement.

Key ingredients for success

Creating favourable environment for the implementation of the plan:

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The Team



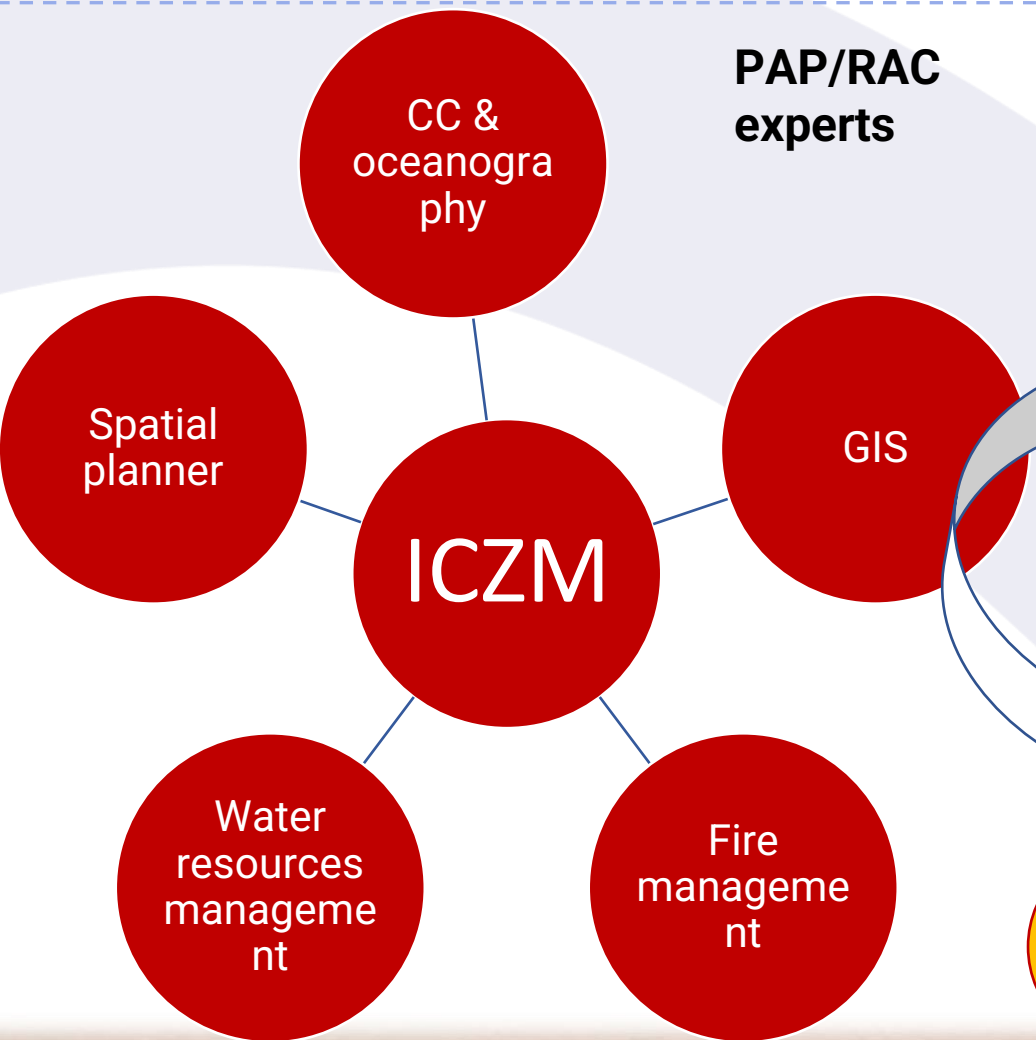
Mediterranean
Action Plan
Barcelona
Convention



Plan Bleu
Climagine

PAP/RAC
experts

County
team



Socio
logist

DIVA
team

LAV
team

Developm
ent
agency
Director

County
Prefect

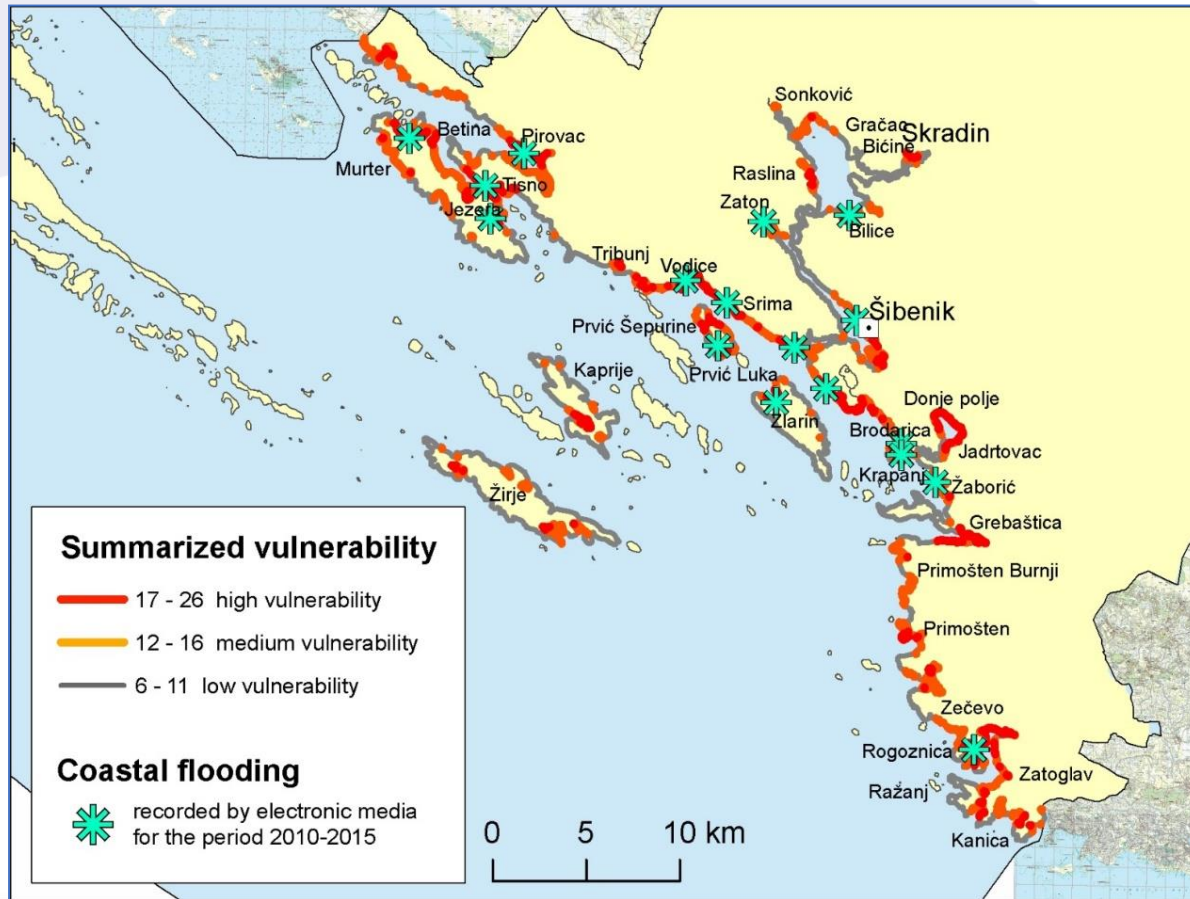
Enviro.
Prot. Dpt
Director

Spatial
planning
institute
Director

Env. Prot.
Dpt
Assistant

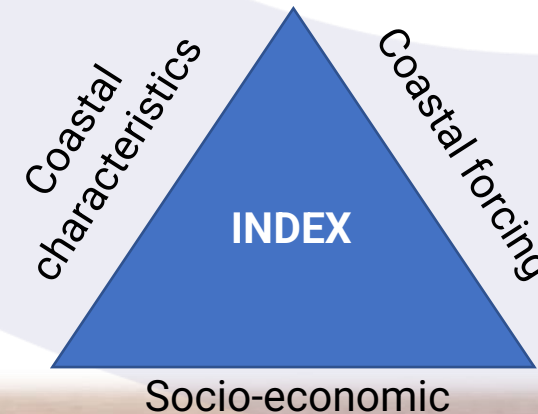
Maritime
Dpt.
Director

Cumulative vulnerability



Sum of subindexes	Cumm. vulnerability	Length (%)
17-26	high	79,68 km (17 %)
12-16	medium	134,55 km (28 %)
6-11	low	264,62 km (55 %)
Total (mainland, estuary, inhabited isl.)		478,85 km

Selected method: Vulnerability index, developed by S. McLaughlin, J.A.G. Cooper, 2010

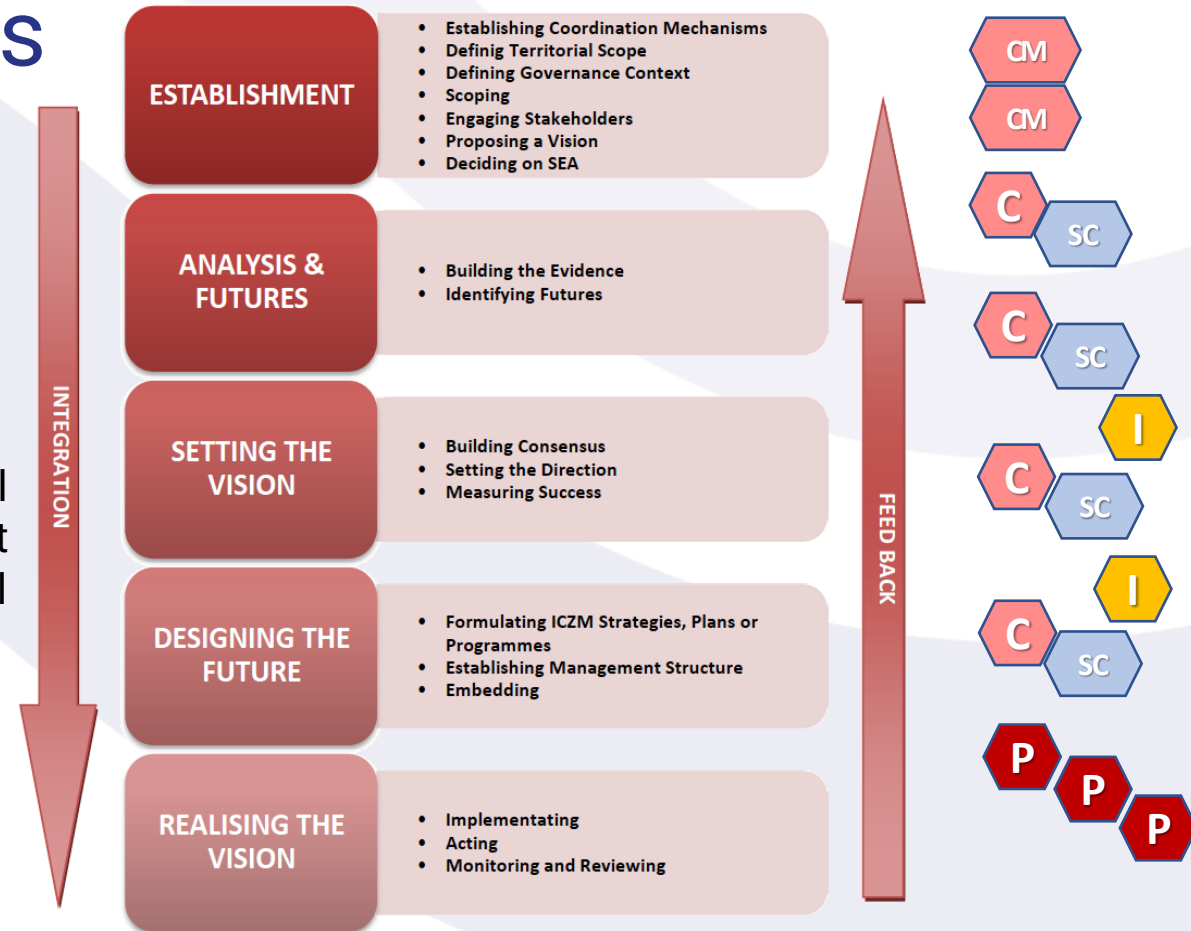


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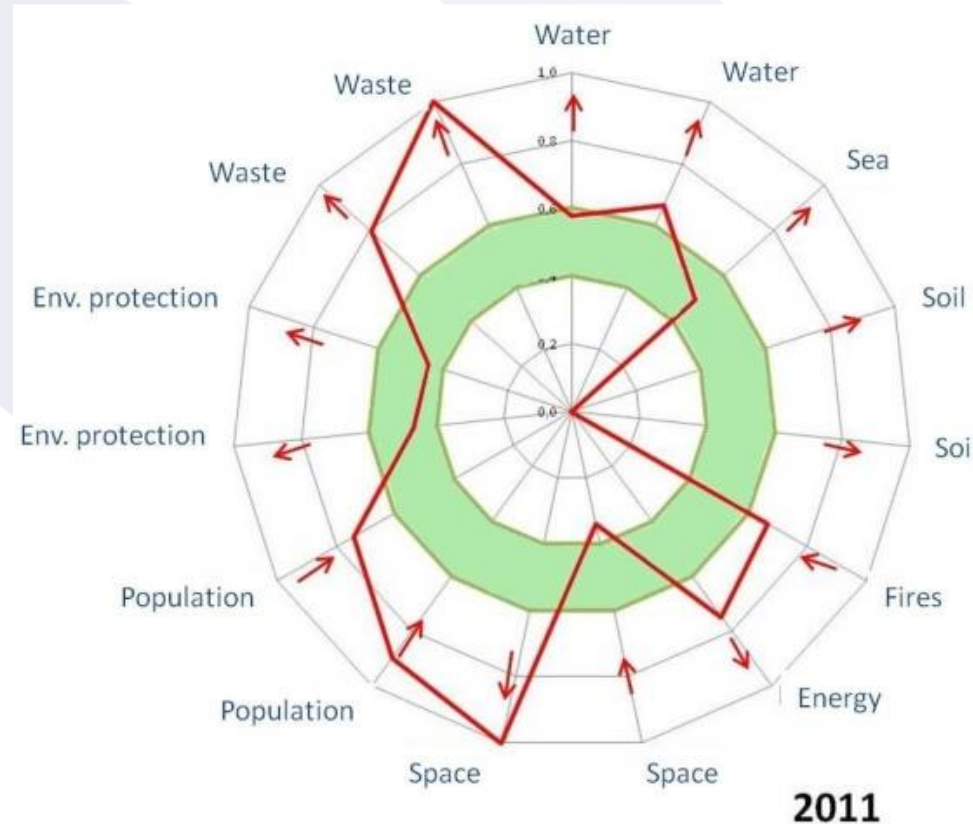


	Climagine		Coordination meeting
	Interview		Steering committee
	Presentation		

Climagine – participative process

Translating global into local

- ESTABLISHMENT**
 - Inception Report
 - Stakeholder Analysis
 - Scoping Report
- ANALYSIS & FUTURES**
 - Communication Strategy
 - Diagnostic Analysis
 - Vulnerability Assessment
- SETTING THE VISION**
 - Agreed vision
 - Future scenarios
- DESIGNING THE FUTURE**
 - Maps collection
 - Plan
 - Summary for PM
- REALISING THE VISION**
 - Action plan
 - Thematic guidelines



Governance is made of **relations** among institutions, **processes** and **customs** which define how the power is implemented, **ways** of taking decisions on subjects of public as well as private interest, and the **ways** how citizens and other actors give their votes.

<http://iog.ca/blog/defining-governance>

COMBINING EXPERT AND LOCAL KNOWLEDGE IS THE KEY FOR SUCCESS!

ICZM PROCESS for...

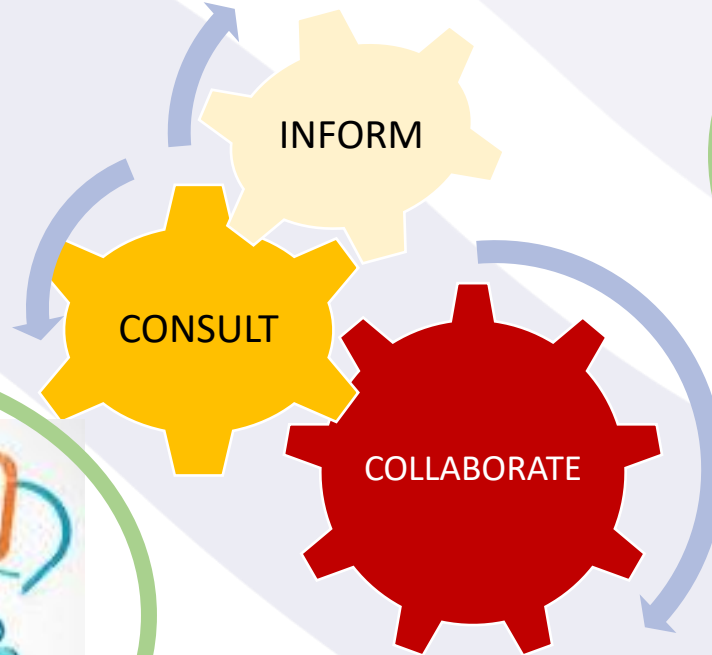
BUILDING COASTAL GOVERNANCE



Coastal authorities



Coastal plan experts

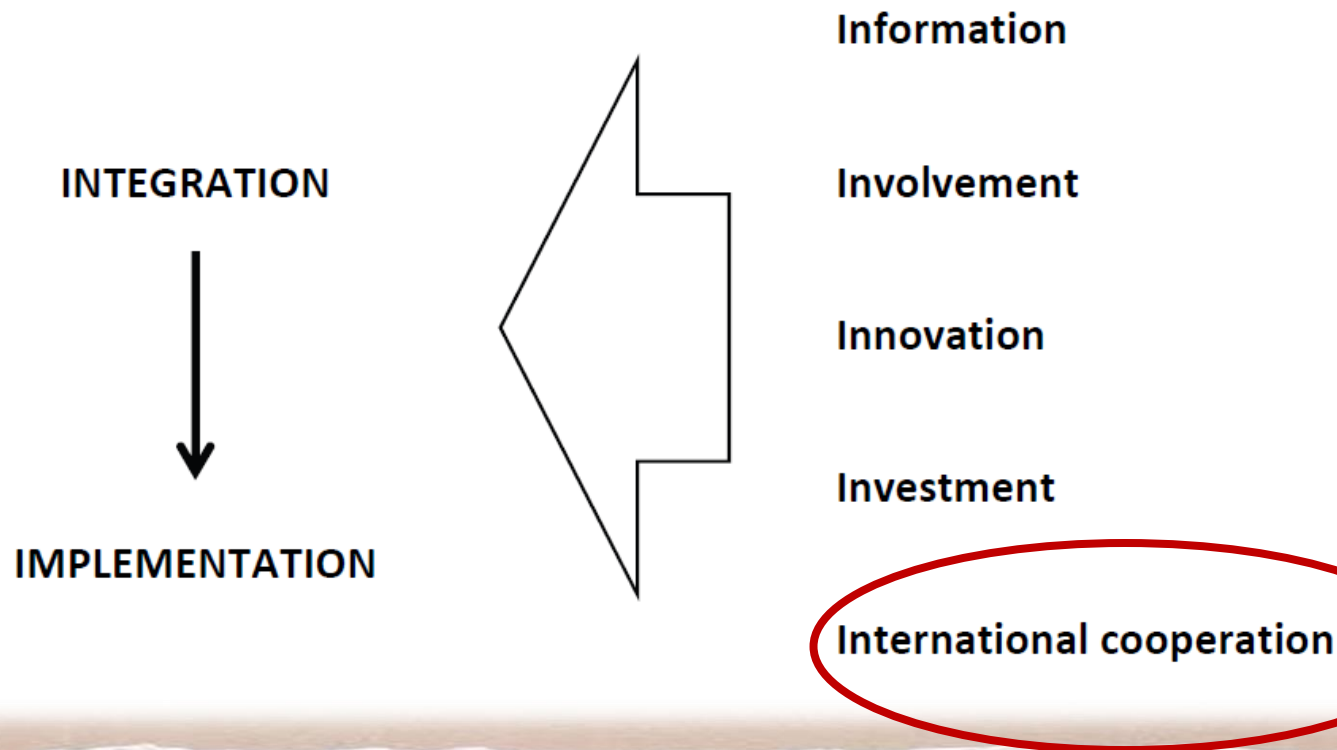


- interested
- trustfull
- aware
- educated
- motivated

= COMMITMENT & ENGAGEMENT

Governance for coastal sustainability

The seven I's



Governance is a task that exceeds the management structures of a country and requires **wide social partnership** to be successful!

PAP/RAC, 2020. Governance handbook

Usefull resources:

www.adriadapt.eu

1. očuvanje posidonije za zaštitu od udara valova i za borbu protiv klimatskih promjena
2. orijentacija prema toploljubnim vrstama u akvakulturi
3. umjetni grebeni za zaštitu od valova i unapređenje staništa
4. prostor za organizirano povlačenje

5. obalni odmak od minimalno 100m - zona sigurnosti i važan resurs
6. očuvanje močvara za sigurnost naselja
7. alternativna plaža umjesto nasipanja
8. zaštitna učca (kontaktna zona, visoka razina raznolikosti)

9. podizanje i proširenje obale
10. gradnja i učvršćivanje pješčanih dina
11. dohrana isključivo pažljivo odabranim materijalom
12. sustavi praćenja, prognoziranja i ranog upozoravanja

13. pera, valobrani, lukobrani
14. ušteda i recikliranje vode
15. protupožarni koridori, putovi i prosjeci
16. jačanje ekološke poljoprivrede i stočarstva uz korištenje prilagođenih poljoprivrednih kultura

17. očuvanje kulturne i prirodne baštine suhih travnjaka
18. pojačan nadzor štetnika (poput potkornjaka)
19. renaturalizacija vodotoka
20. zone retencije i akumulacije
21. sustav za rano upozoravanje i upravljanje krizama

22. ekološki koridori i pošumljavanje
23. granice kompaktnog naselja
24. zaštitna staništa i monitoring ugroženih vrsta
25. pojačana briga o stablima (arborikultura)



AdriAdapt

a Resilience information platform for
Adriatic cities and towns

 [Check out our videos](#)

[Integrated Adaptation
Planning Tool](#)



[Guidelines and
Handbooks](#)



[Adaptation Options](#)

[Case Studies](#)

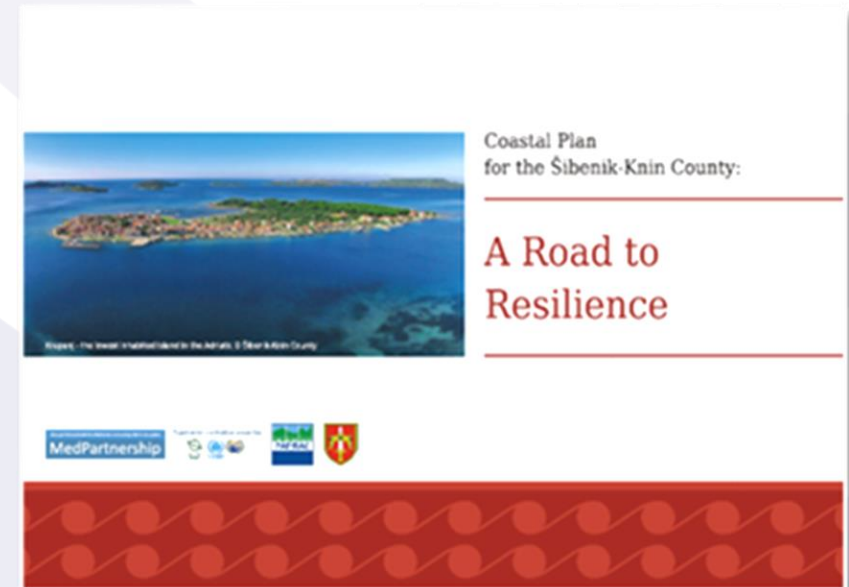
[Climate Information](#)

Usefull resources:

- www.adriadapt.eu
- www.paprac.org
- www.iczplatform.org

- PAP/RAC, 2021 Handbook on coastal resilience for the Adriatic
- PAP/RAC, 2021. Guidelines for mainstreaming of climate change adaptation into coastal management along Adriatic
- PAP/RAC, 2015. An Integrative Methodological Framework (MF) for coastal, river basin and aquifer management. Towards converging managment approaches for Mediterranean coastal zones.

Summary for decision makers



GRAZIE PER L'ATTENZIONE

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