

Land & Sea Interactions in Spatial Planning

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**Maritime Spatial Planning Conference
Addressing Land-Sea Interactions
St Julian's, Malta – 15 & 16 June 2017**



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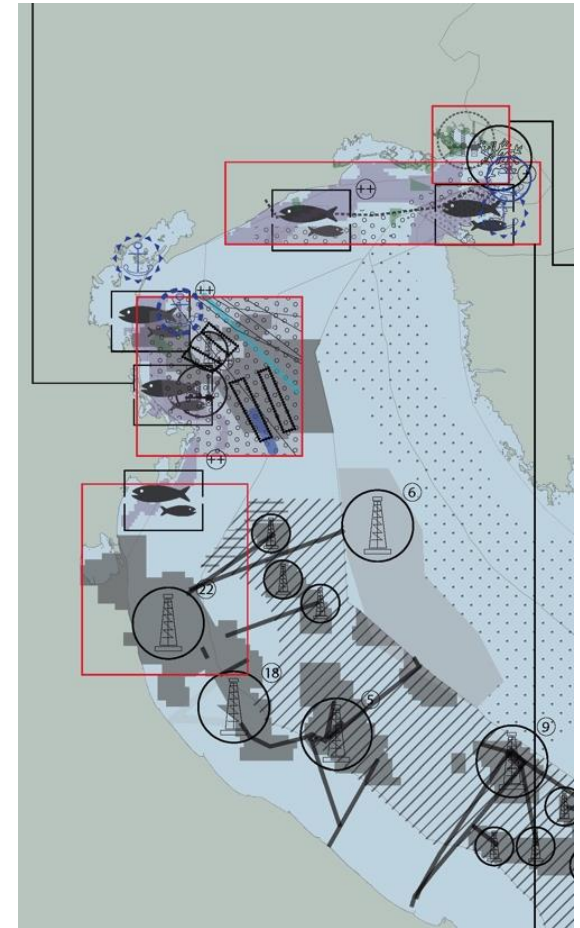
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Topics

- 1) Territorial & Spatial Planning:
elements for land sea interaction
(LSI)?
- 2) Planning “cultures” and scales: LSI
in different planning tools and
planning level (→ *Transect
Planning Approach*)
- 3) Suggestions and indications
accordingly the planner’s
perspective (*from a southern
Europe view*)



LSI on Energy issues
Source: Adriplan (2015)



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Planning “cultures” at the very base

Northern Europe/Southern Europe

Davies et al. 1989*		Common law England		Napoleonic codes DK, DE, FR, NL	
Newman, Thornley 1996	Nordic DK, FI, SE	British IE, UK	Germanic AT, DE	Napoleonic BE, FR, IT, LU, NL, PT, ES	East European
CEC 1997**	Comprehensive integrated AT, DK, FI, DE, NL, SE	Land use regulation IE, UK (and BE)		Regional economic FR, PT (and DE)	Urbanism GR, IT, ES (and PT)
Farinós Dasi 2007***	Comprehensive integrated AT, DK, FI, NL, SE, DE (and BE, FR, IE LU, UK) BG, EE, HU, LV, LT PL, RO, SL, SV	Land use regulation BE, IE, LU, UK (and PT, ES) CY, CZ, MT		Regional economic FR, DE, PT, (and IE, SE, UK) HU, LV, LT, SK	Urbanism GR, IT, ES CY, MT

Source: Nadin, Cullingworth (2000)



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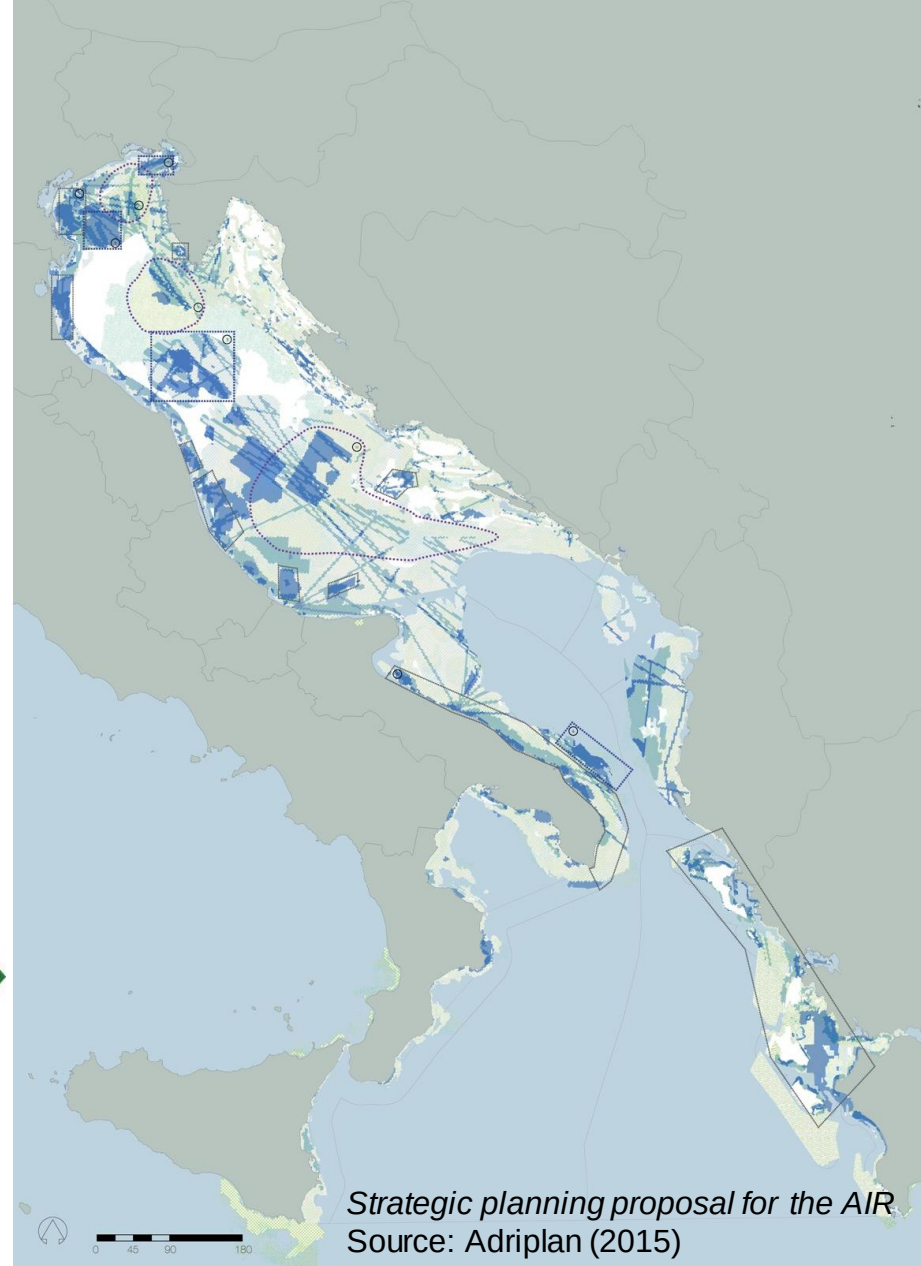
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Scale matters!

LSI in different planning tools and planning level

Which is the proper buffer for LSI?

Size and Scale Matter



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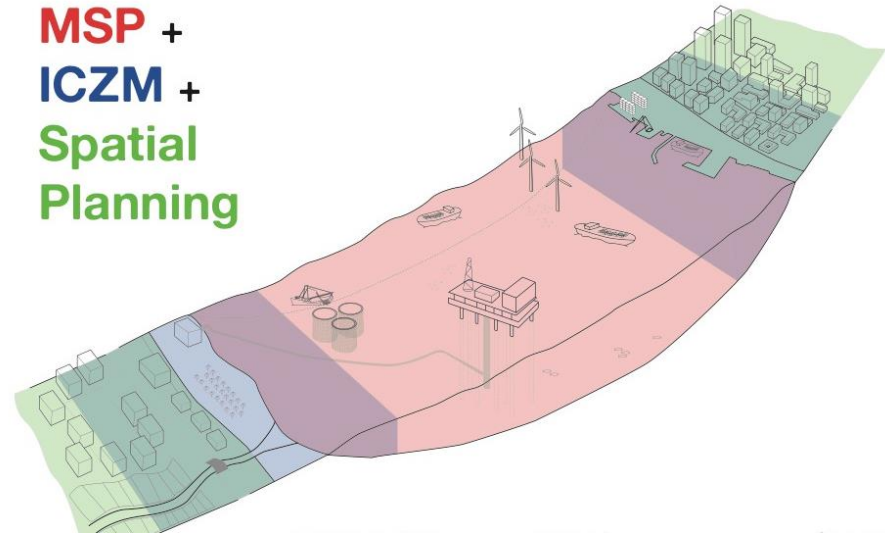


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Transect planning approach (TPA)

- 1) Derives from the environmental & sustainable planning approach;
- 2) Supports spatial interaction in the *hot spots* issues of LS interface and related planning realms;
- 3) In the public participatory process can favour comprehension of local interactions in terms of uses, impacts, synergies ... in the different plans;

**MSP +
ICZM +
Spatial
Planning**



- Pointing out **spatial interaction**
- Linking *actions portfolios* included in different planning tools/realms
- Usable despite the “borders” of competences and jurisdictions



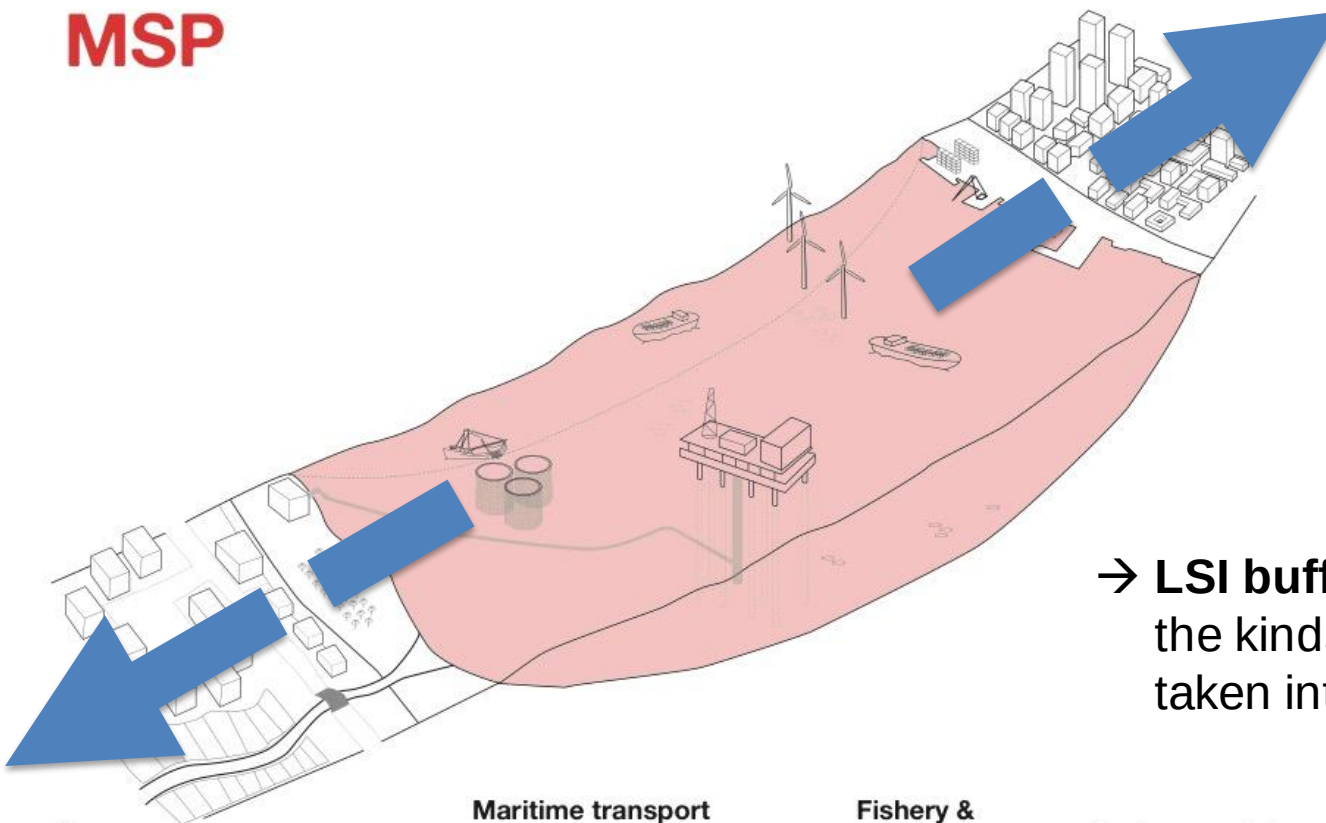
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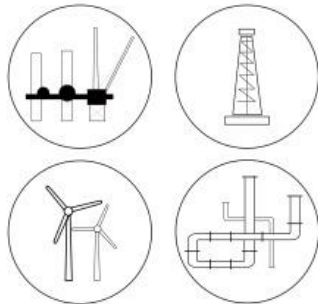


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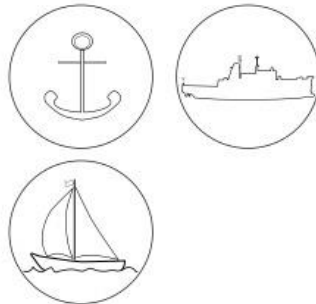


→ **LSI buffer** can vary accordingly
the kinds of interactions/uses
taken into consideration

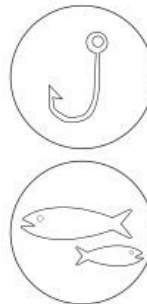
Energy



Maritime transport & tourism



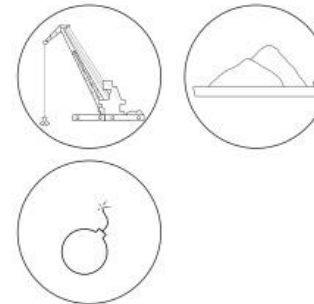
Fishery & aquaculture



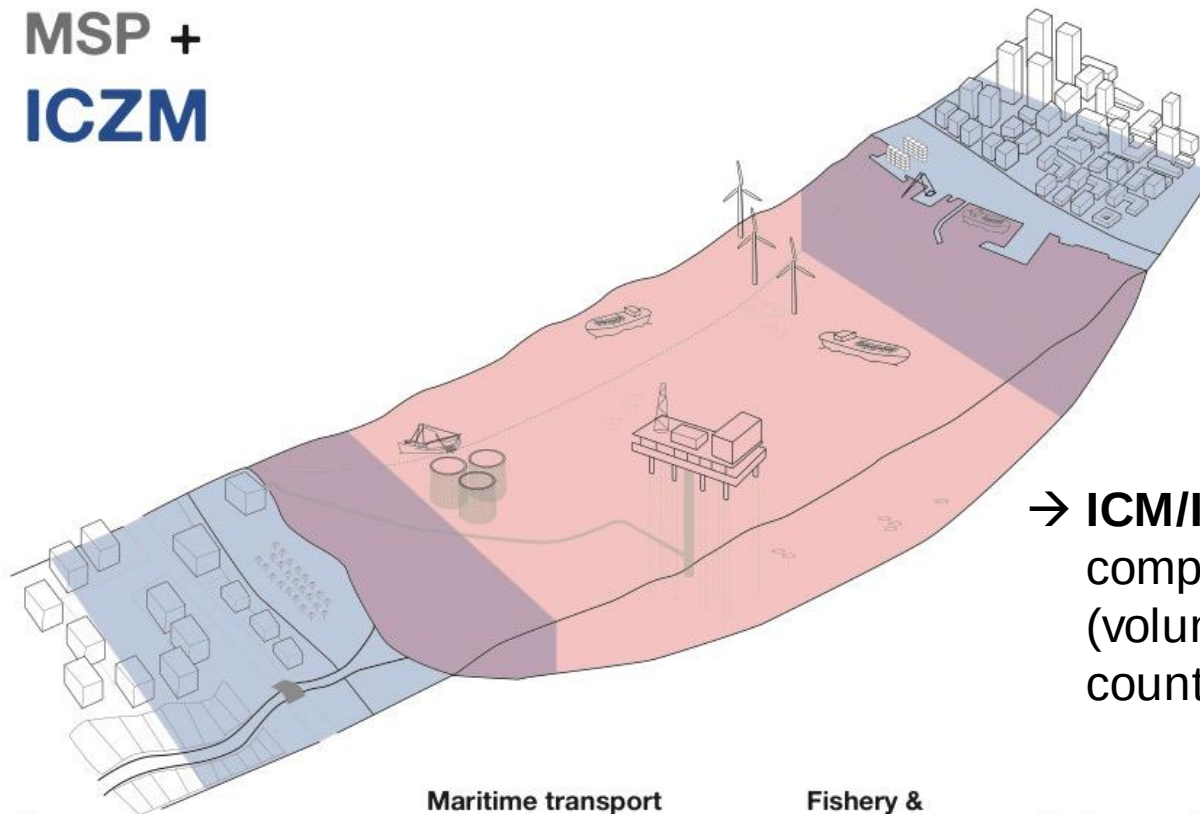
Environmental



Sand extraction & Coastal defence

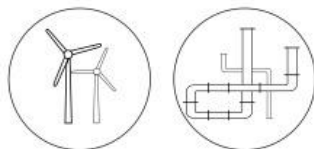


MSP + ICZM

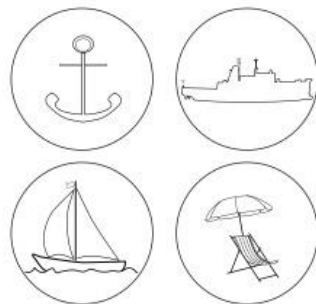


→ **ICM/ICZM** plans are not compulsory everywhere (voluntary based in different EU countries)

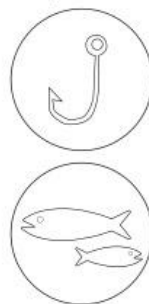
Energy



Maritime transport & tourism



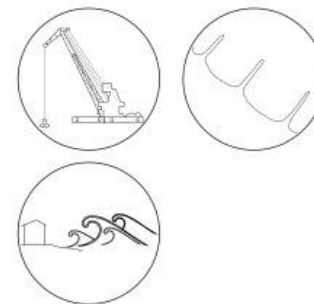
Fishery & aquaculture



Environmental



Coastal defence



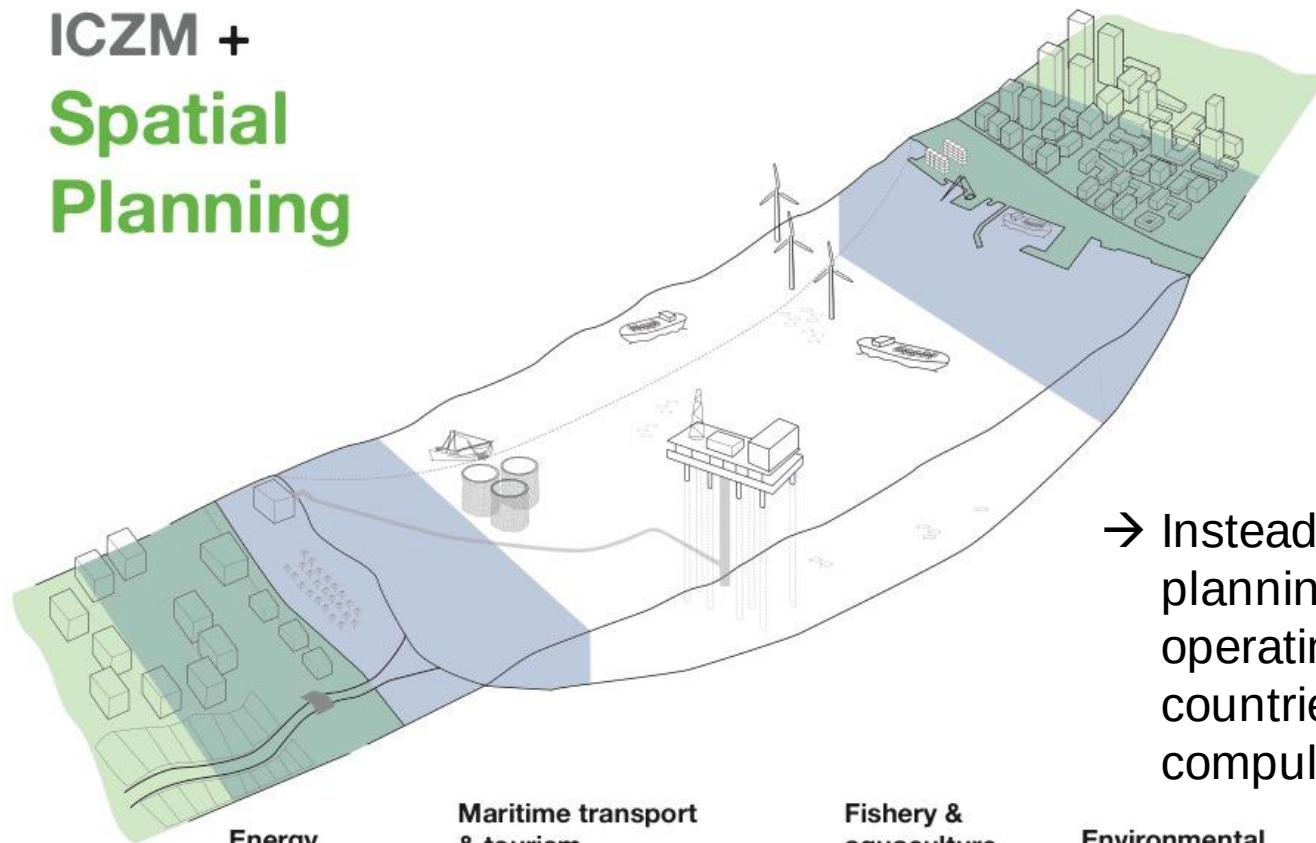
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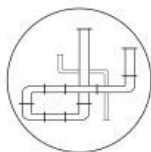
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ICZM + Spatial Planning



→ Instead a kind of coastal planning (mainly regional) is operating in all Mediterranean countries: linking MSP to local compulsory planning

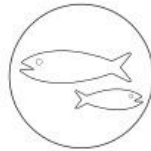
Energy



**Maritime transport
& tourism**



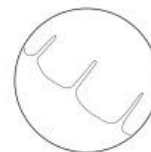
**Fishery &
aquaculture**



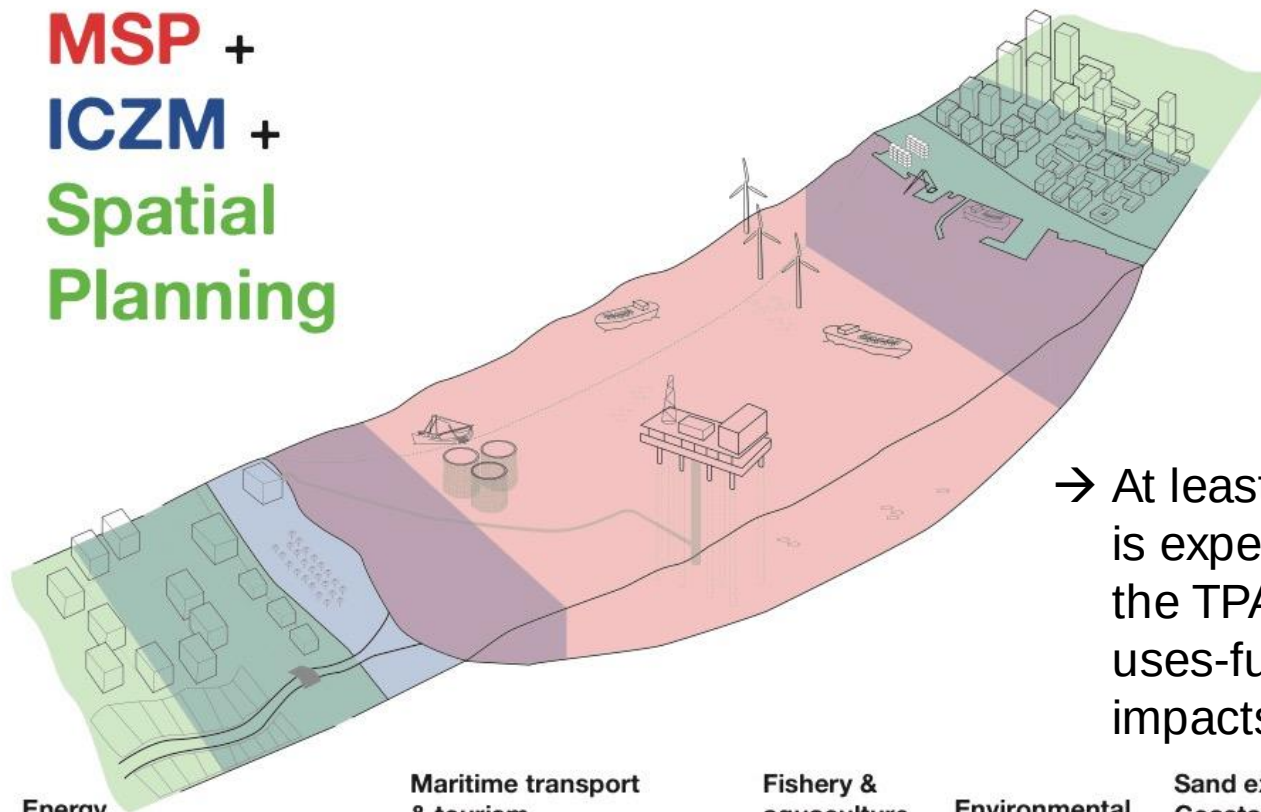
Environmental



Coastal defence

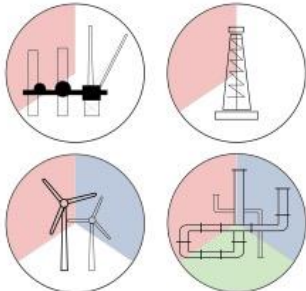


MSP + ICZM + Spatial Planning

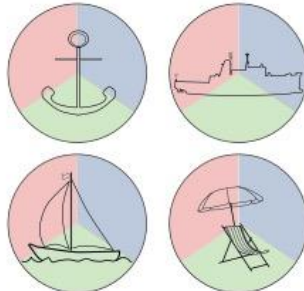


→ At least a three level interaction is expected in LSI accordingly the TPA for proper managing of uses-functions/environmental impacts

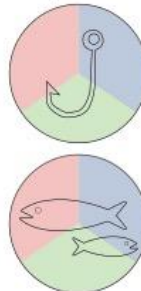
Energy



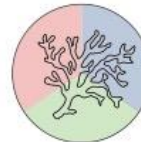
Maritime transport & tourism



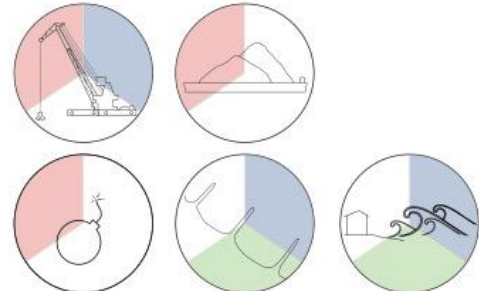
Fishery & aquaculture



Environmental



Sand extraction & Coastal defence



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Relation and issues on the interaction land sea between different country



Looking LSI in Adriatic Ionian Region

- 1) *Complex* for geopolitical reasons
- 2) *Different* for planning “cultures” approach
- 3) *Heterogeneous* in terms of local legislation framework

→ Area of experimentation of **Adriplan, Supreme and Co-Evolve**

- Specific analysis of local planning systems required
- Evidence of interactions (natural, human made) LS
- Despite legal framework (“not my duty” tendency of public planning officers)



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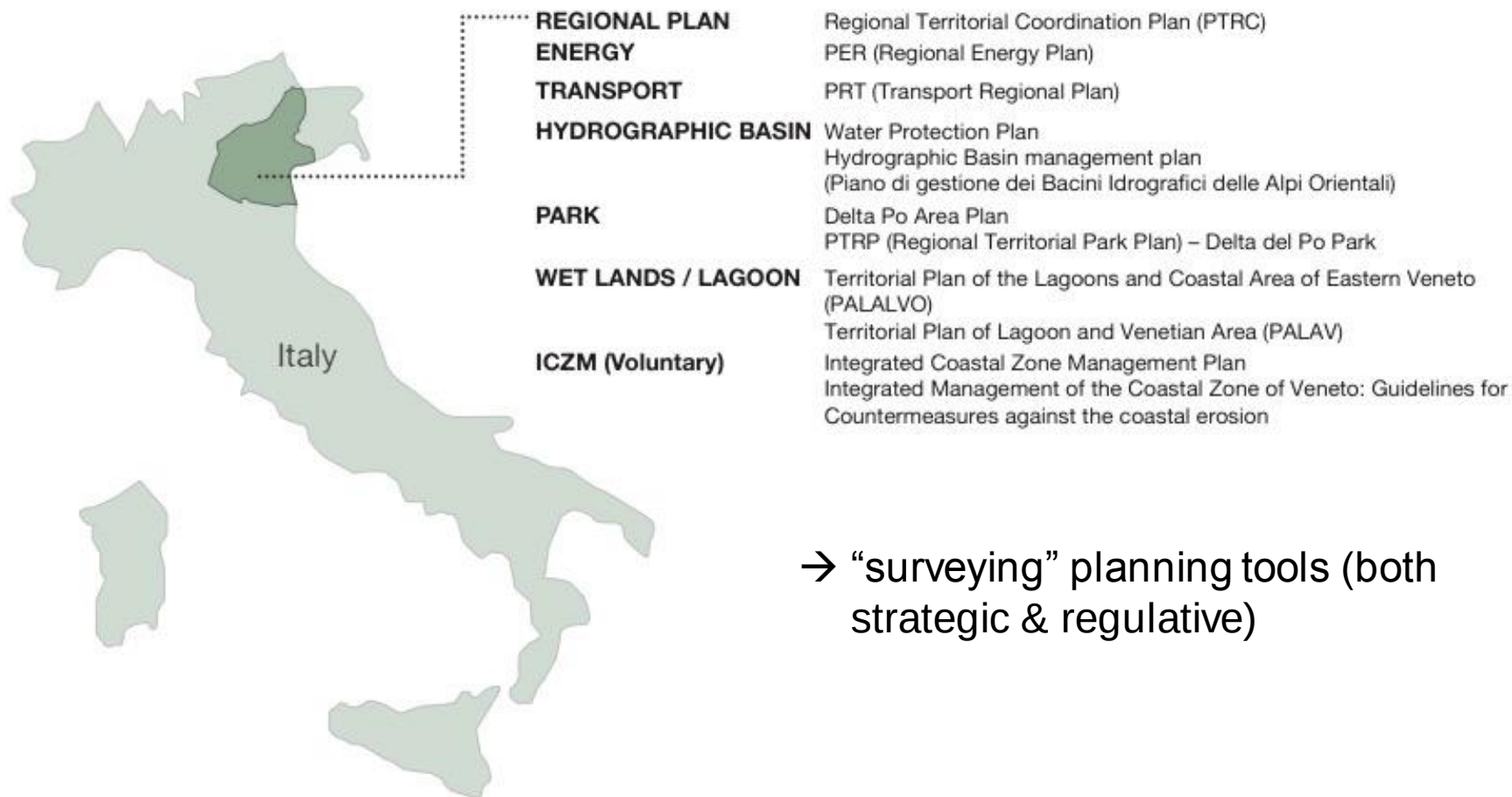
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REGIONAL LEVEL · VENETO REGION



→ “surveying” planning tools (both strategic & regulative)



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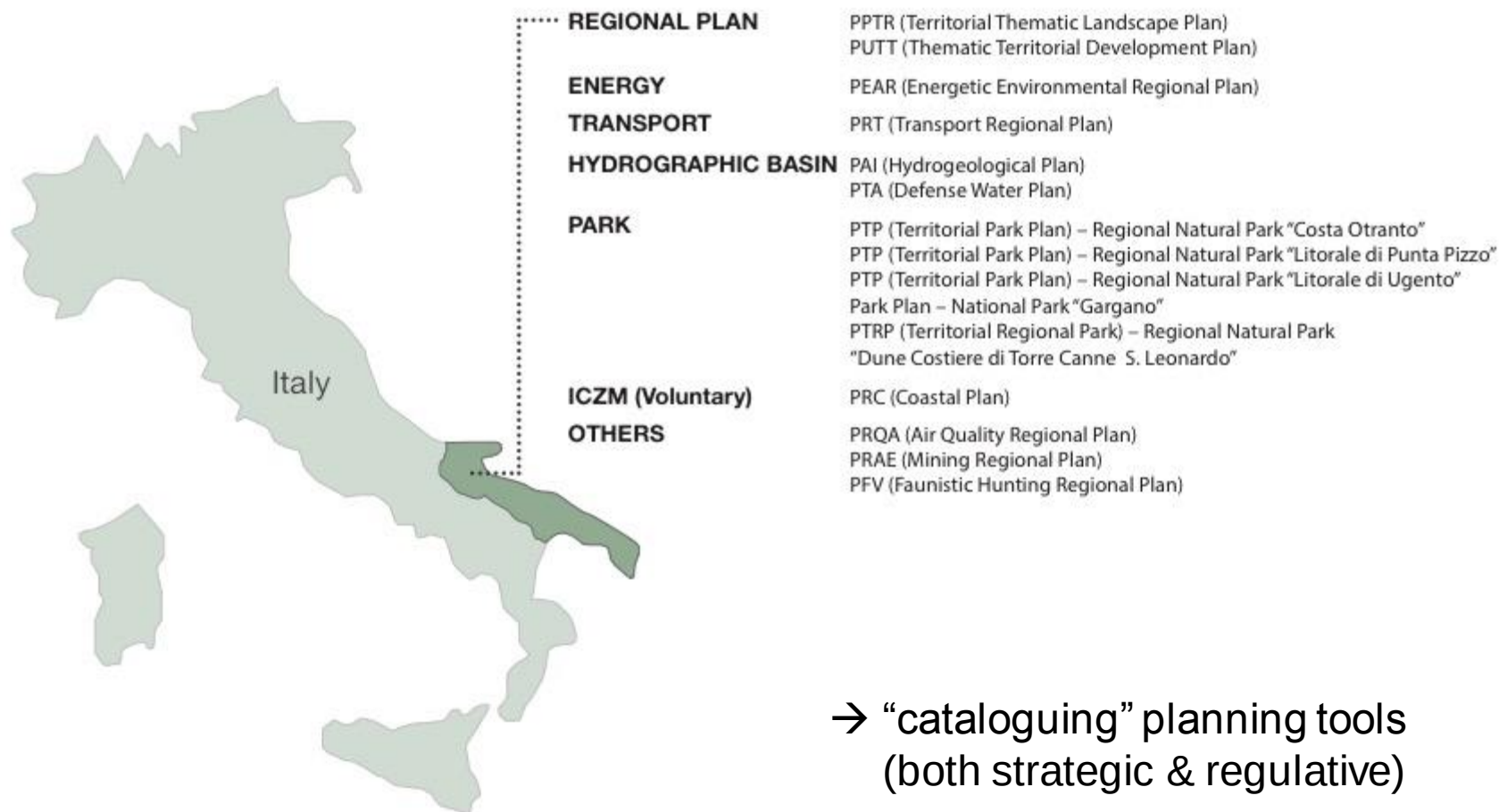
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REGIONAL LEVEL · APULIA REGION



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REGIONAL LEVEL · GREECE



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LOCAL PLANNING · ITALIAN MUNICIPALITIES vs GREEK MUNICIPALITIES



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BEST PRACTICES ON Land-Sea Interaction



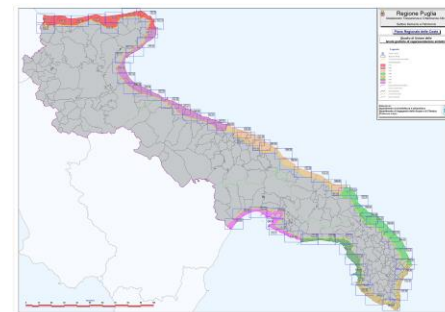
Overcoming
administrative
Borders to
provide LSI in
local planning
tools

NORWAY Inter-municipal coastal zone planning

In Norway municipalities have had the authority to allocate and designate areas for aquaculture and other activities through municipal coastal zone planning for 25 years

Municipal authority is restricted by national sector agencies for environment, fisheries, navigation.

Municipal planning extends one nautical mile from the baseline into the sea.



PUGLIA · ITALY Piano Regionale delle Coste (PRC) Regional Coastal Plan

Municipalities, through the Piani Comunali delle Coste (PCC) Municipal Coastal Plans

Aim: Avoid further threats to the coast in terms of vulnerability through planning bonds
Define and localize the priority actions in cost-benefit terms (VAS, SIC)

The actions are pursued keeping in mind the entire Physiographic Unit of the coast (without just considering the only administrative limits of the competent authority)



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Suggestions and indications: planner's perspective

- 1) A proper consideration of LSI in MSP require a deep understanding of planning framework. In heterogeneous contexts this requires a proper efforts in the initial assessment before any MSP initiative;
- 2) A matter of competences of planning teams involved in MSP: planning skills to coordinate planning actions appears fundamental;
- 3) Guarantee LSI in planning through the definition of a specific planning portfolio & transect approach integration uses/functions both natural & human made



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Suggestions and indications: planner's perspective

- 4) No way waiting for a proper legal/planning framework → need to proceed to design interaction with existing planning tools;
- 5) Linking MSP with existing planning
- 6) Despite the buffer of LSI has not been agreed it may vary accordingly the specific interactions to be taken into considerations;
- 7) TPA approach can solve specific hotspot or interactions that could requires specific attentions far from the coastline (eg: logistics, energy infrastructures & pipelines ... etc)



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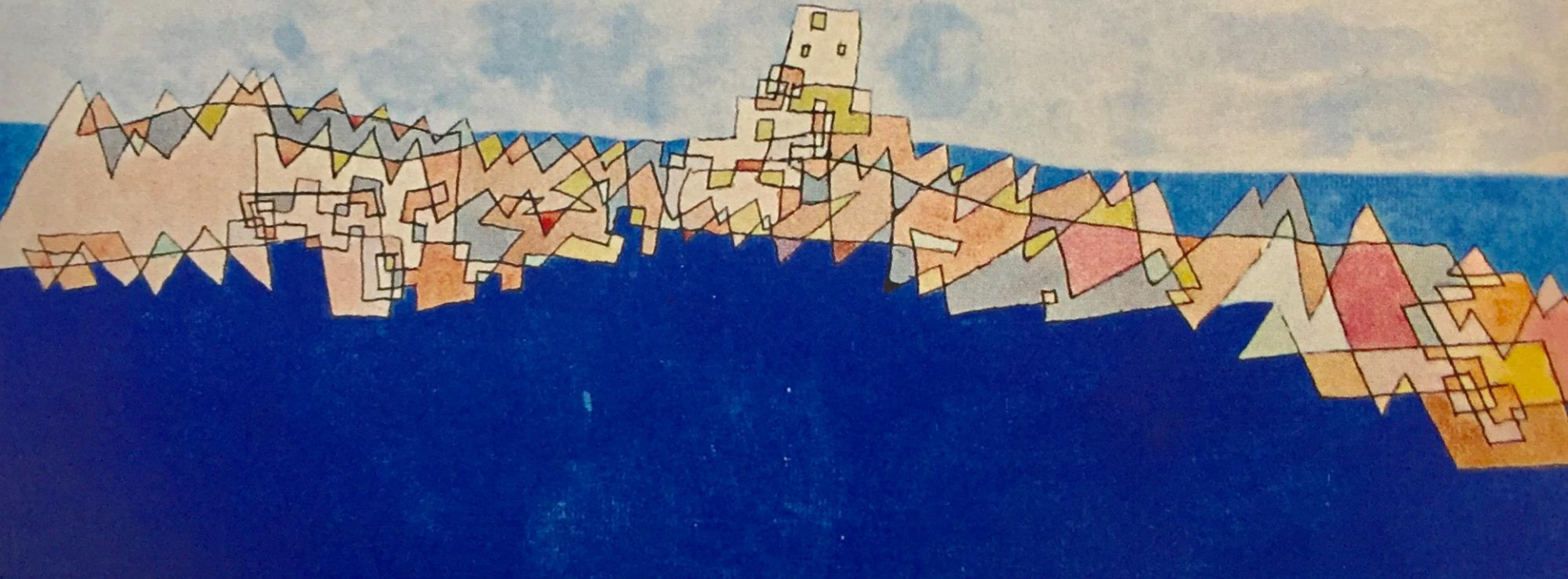
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LSI as main interface to reconnect planning realms



Paul Klee (1926), *Coastline*

Thank you



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