Adaptation in coastal areas – what can EU policies do?

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The questions

1. Which are the most important aspects of climate change in coastal areas?

2. How can current and envisioned European coastal policies deal with key vulnerabilities and adaptation needs?

3. Can the EU adaptation strategy be integrated in European coastal legislation and policies in such a way that its objectives are fulfilled?
The research leading to these results has received funding from the European Community’s Seventh Framework Programme under Grant Agreement No. 308337 (Project BASE)
<table>
<thead>
<tr>
<th></th>
<th>Erosion</th>
<th>Extreme weather/storm surges</th>
<th>Sea level rise</th>
<th>Species/habitat change</th>
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</thead>
<tbody>
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<td>Exploitation of living resources</td>
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<td>Extraction</td>
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<td>Use of space and physical modification</td>
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<td>Socio-cultural services</td>
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<td>Protection of biodiversity</td>
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The policy arena

Coastal waters

Off-shore

Integrated Maritime Policy and Blue Growth

Catchments

Urban wastewater

Bathing Water

IED

Nitrates

CAP

RDI-policy

Motorways of the sea

Regional Development

Ports policy

Tourism

Habitats/Birds

MSFD

CFP

Marine fuels

RES

Framework directive for maritime spatial planning and integrated coastal management

WFD

IES

Nitrates

RDI-policy

Regional Development

Ports policy

Tourism

Urban wastewater

Bathing Water

IED

Nitrates

CAP

RDI-policy

Motorways of the sea

Regional Development

Ports policy

Tourism

Integra ted Maritime Policy and Blue Growth

Off-shore

Coastal waters
A big mess or organised integration?
What is integration?

Inclusion: Is it on the radar?

Consistency: Are tensions recognised?

Weighting: Is it given a role?

Reporting: Does anybody care?
<table>
<thead>
<tr>
<th>Policy area</th>
<th>Findings</th>
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</thead>
<tbody>
<tr>
<td>General coastal resources and development of</td>
<td>Inclusion achieved, consistency, weighting and reporting noted when funds are being distributed</td>
</tr>
<tr>
<td>coastal activities</td>
<td></td>
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<tr>
<td>Protection of biodiversity and ecosystems</td>
<td>Inclusion achieved and reporting developed by modifying generic requirements</td>
</tr>
<tr>
<td>Prevention of pollution and the protection and</td>
<td>Inclusion achieved, except for those focusing purely on emissions, consistency, weighing and reporting in noted in planning</td>
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<tr>
<td>management of waters</td>
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<tr>
<td>Transport and tourism</td>
<td>Inclusion recently achieved, consistency, weighting and reporting yet to emerge</td>
</tr>
<tr>
<td>Procedures for environmental protection and</td>
<td>Generic implicit inclusion, recent explicit references, expected to help with consistency and weighting</td>
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<td>planning and international conventions</td>
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What is there to learn?

• Issues of consistency and weighing are often neglected at the policy level→ can Marine Spatial Planning and Integrated Coastal Management solve it through a planning obligation?

• Why does adaptation integration seem to succeed where environmental policy integration has largely failed?

• What kind of cases and experiments are useful for achieving genuine integration of adaptation into coastal policies?
Steer safely in policy waters - Thank you!