

# Indicators to measure progress in the implementation of ICZM and ICARM

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- Recognises that the cyclical ICZM process can be broken down into a series of discrete, ranked actions.
- The 26 actions, though not completely exhaustive, are comprehensive enough to measure progress.
- A straightforward, step-wise methodology passing from situation with no ICZM to one where the technique is being implemented fully.
- Grouped into a series of 5 discrete, ordered and continuous phases.
- Requires (initially) only a binary response.

**A. Pickaver et al. *An indicator set to measure the progress in the implementation of ICZM in Europe. Ocean & Coastal Management* Vol. 47 449-462 2004**

- Phase I: Non-integrated (often sectoral) coastal management is taking place which can lay the basis for the introduction of ICZM. It contains 5 discrete actions.
- Phase II: A framework for ICZM exists. It contains 6 discrete actions.
- Phase III: Vertical and horizontal integration of administrative and planning bodies exists within an ICZM programme. It contains 10 discrete actions.
- Phase IV: An efficient, participatory, integrative planning exists. It contains 3 discrete actions.
- Phase V: There is full implementation of ICZM. It contains 2 discrete actions.

# The Progress Indicator Set (part)

Phase	Action	Description	National		Regional		Local	
			1995	2000	1995	2000	1995	2000
<b>I . Laying the basis for ICZM</b>	1	Aspects of coastal management are taking place.	Yes	Yes	Yes	Yes	Yes	Yes
<b>II: A framework for ICZM exists</b>	7	Ad hoc demonstration projects are being carried out that contain recognisable elements of ICZM.	No	Yes	No	Yes	No	Yes
<b>III: Vertical and horizontal integration exists between coastal planning and management agencies. Most of the time, decision-making includes relevant stakeholders and coastal communities.</b>	18	Adequate mechanisms are in place to allow the general public to take a participative and inclusive (as opposed to consultative) role in ICZM decisions.	No	No	No	No	No	Yes
<b>IV: Efficient, adaptive, participatory, integrative planning and management is in place</b>	22	A long-term financial commitment is in place for the implementation of ICZM.	No	No	No	No	No	Yes
<b>V: Full implementation of ICZM</b>	25	All of the above actions have been implemented with problem areas given special attention.	No	No	No	No	No	No



# German federal response (unofficial)

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Action	National		Regional		Local		Action	National		Regional		Local	
	1995	2005	1995	2005	1995	2005		1995	2005	1995	2005	1995	2005
1	No	No	No	Yes	No	No	15	No	No	No	No	No	No
2	Yes	Yes	Yes	Yes	Yes	Yes	16	No	No	No	No	No	No
3	Yes	Yes	Yes	Yes	Yes	Yes	17	No	No	No	No	No	No
4	Yes	Yes	Yes	Yes	Yes	Yes	18	No	No	No	No	No	No
5	Yes	Yes	Yes	Yes	Yes	Yes	19	No	No	No	No	No	No
6	No	No	No	No	No	No	20	No	No	No	No	No	No
7	No	No	No	No	Yes	No	21	No	No	No	No	No	No
8	No	No	No	No	No	No	22	No	No	No	No	No	No
9	No	No	No	No	No	No	23	No	No	No	No	No	No
10	No	No	No	No	No	No	24	No	No	No	No	No	No
11	No	No	No	No	No	No	25	No	No	No	No	No	No
12	No	No	No	No	No	No	26	No	No	No	No	No	No
13	No	No	No	No	No	No							
14	No	No	No	No	No	No							



# Composite response

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Action	National		Regional		Local	
	1995	2005	1995	2005	1995	2005
1	Yes	Yes	Yes	Yes	Yes	Yes
2	No	Yes	No	Yes	No	Yes
3	No	Yes	Yes	Yes	Yes	Yes
4	No	Yes	Yes	Yes	Yes	Yes
5	No	No	No	No	No	No
6	No	No	No	No	No	No
7	No	Yes	No	Yes	No	Yes
8	No	Yes	Yes	Yes	Yes	Yes
9	No	No	No	No	No	No
10	No	No	No	No	No	No
11	No	Yes	Yes	Yes	Yes	Yes
12	No	Yes	No	Yes	Yes	Yes
13	No	Yes	No	No	No	No
14	No	No	No	Yes	No	Yes

Action	National		Regional		Local	
	1995	2005	1995	2005	1995	2005
15	No	No	No	Yes	No	Yes
16	No	Yes	No	No	No	No
17	No	No	No	Yes	No	Yes
18	No	No	No	No	No	Yes
19	No	No	No	Yes	No	Yes
20	No	No	No	No	No	No
21	No	No	No	No	No	No
22	No	No	No	No	No	Yes
23	No	No	No	No	No	No
24	No	No	No	No	No	No
25	No	No	No	No	No	No
26	No	No	No	No	No	No

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- The EU ICZM Group of Experts has accepted the methodology and the Working Group on Indicators and Data has further recommended that Member States join with practitioner groups over the following year and organize national workshops (or regional workshops) to further test the progress indicator.
- The methodology has been published: A. Pickaver et al. *An indicator set to measure the progress in the implementation of ICZM in Europe*. *Ocean & Coastal Management* Vol. 47 449-462 2004

# S Olsen *Frameworks and Indicators for assessing progress in integrated coastal management initiatives.* Ocean & Coastal Management 2003; 46; 347-361.

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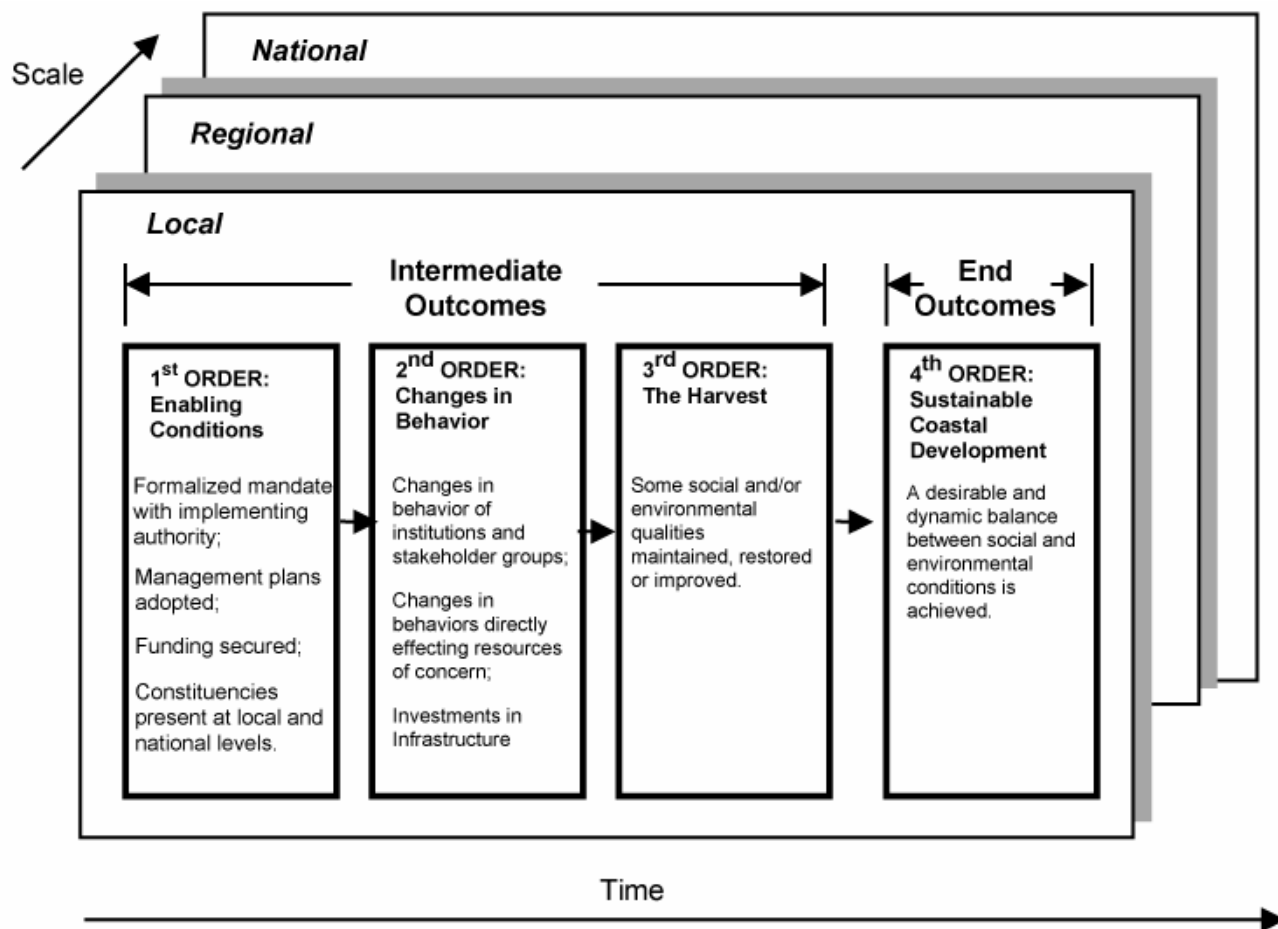


Fig. 1. The four orders of coastal governance outcomes.



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**I. 1<sup>st</sup> Order Outcomes: The Pre-conditions for Implementation of ICARM**

Focus	Marker	Y	N	Note
<b>A. Prioritisation of the goals and issues</b>	Have the issues been identified?			
	Have the issues been analysed?			
	Have the goals for the issues been set?			
<b>B. Political and legislative commitment</b>	Is there an executive mandate?			
	Is there support within the political structure at a national level?			
	Is there relevant legislation in place?			
<b>C. Stakeholder and Public involvement and support</b>	Does the public share the government vision?			
	Is there stakeholder support?			
	Is there public awareness?			
<b>D. The capacity to implement the programme</b>	Is there a strategy?			
	Have plans been drafted?			
	Have plans been adopted?			

## II. 2<sup>nd</sup> Order Outcomes: The Implementation of ICARM

Focus	Marker	Y	N	Notes
A. Prioritisation of the goals and issues	Have the issues and their significance changed			
	Have the goals been modified?			
	Has an evaluation been conducted?			
B. Political and legislative commitment	Has the mandate been put into operation?			
	Has support within the political structure at a national level been maintained?			
C. Stakeholder and Public involvement and support	Does the public continue to share the government vision?			
	Is there stakeholder support for program implementation?			
	Is there public awareness of implementation actions?			
D. The capacity to implement the programme	Has the strategy been implemented?			
	Have conflicts among user groups been reduced?			
	Have EIAs effectively influenced decision making on new forms of development?			

*Thank you*

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