

INDICATOR-BASED ICZM 'BEST-PRACTICE' EVALUATION TOOL

WP 6 TOOLS & SCIENCE-POLICY INTEGRATION
TASK 6.1 INDICATOR SET & EVALUATION TOOL

BONUS BALTCOAST DELIVERABLE NO 24

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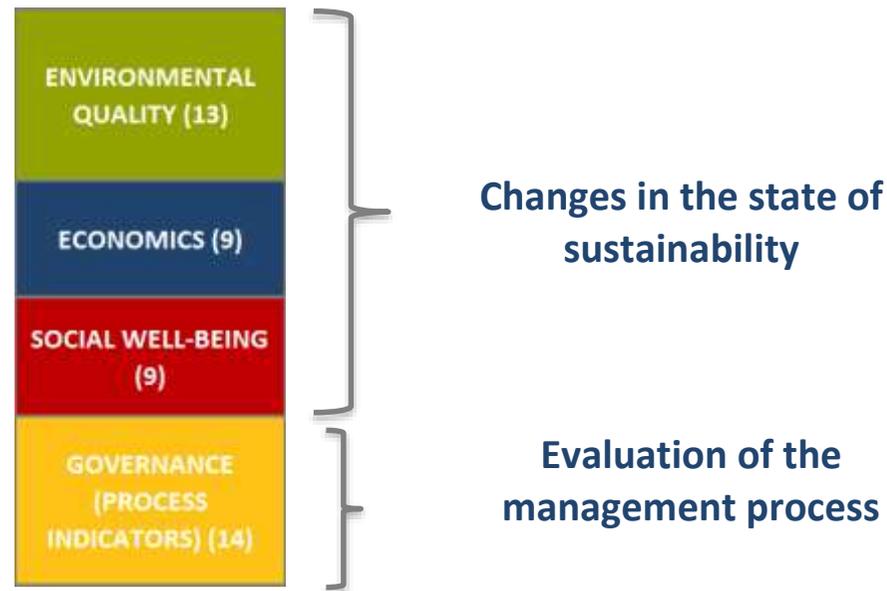
Report/dissemination: DE/PU

An aerial photograph of a coastal area, showing a large, dark rock formation protruding into the water. The water is a deep blue-green color, and the land is covered in green vegetation. The image is partially overlaid by a dark blue and green graphic element.

**A Systems Approach Framework
for Coastal Research and Management
in the Baltic**

What the Tool Can Do?

The tool developed within **BONUS project BaltCoast** is designed to measure sustainable development in coastal areas and to evaluate the success of different ICZM 'best-practice' examples applied throughout Europe. The spreadsheet tool, based on previous FP7 projects DEDUCE, SUSTAIN and Quality Coast, includes sets of well-established **45 indicators** that are grouped into **4 categories**:



This methodology can be a tool for the **improvement** of different ICZM projects or initiatives because it helps **to identify strengths and weaknesses** of ICZM initiatives and their **contribution to sustainable development**.

Needs and Requirements

Expertise, knowledge, statistical data

Expected Results

The new Indicator-based tool will be provided as generalized spreadsheet tool for Systems Approach Framework (SAF) evaluations.

Explanatory notes. Please follow the arrows:

➡ **Only one score can be given for each indicator.** Please read the brief description that is provided for each indicator carefully. Please choose the most suitable answer and indicate it by typing the corresponding number in the white field below (see example below). The total indicator score will be automatically calculated.

INDICATOR	DESCRIPTION	SCORING RANGES								INDICATOR SCORE
1. The best-practice effects financial policies and instruments to support economic stability and resilience	Please indicate on a scale from -3 to 3 and clarify with examples	No. strong negative effects -3	No. considerable negative effects -2	No. weak negative effects -1	No changes 0	Yes. weak positive effects 1	Yes. considerable positive effects 2	Yes. strong positive effects 3	No Data X	1.50
2. The best-practice increases economic diversification	Please indicate on a scale from -3 to 3 and clarify with examples	No. strong negative effects -3	No. considerable negative effects -2	No. weak negative effects -1	No changes 0	Yes. weak positive effects 1	Yes. considerable positive effects 2	Yes. strong positive effects 3	No Data X	
3. The best-practice ensures an acceptable employment and training opportunities for local residents	Please indicate on a scale from -3 to 3 and clarify with examples	No. strong negative effects -3	No. considerable negative effects -2	No. weak negative effects -1	No changes 0	Yes. weak positive effects 1	Yes. considerable positive effects 2	Yes. strong positive effects 3	No Data X	
4. The best-practice increases payments and investments in coastal management	Please indicate on a scale from -3 to 3 and clarify with examples	No. strong negative effects -3	No. considerable negative effects -2	No. weak negative effects -1	No changes 0	Yes. weak positive effects 1	Yes. considerable positive effects 2	Yes. strong positive effects 3	No Data X	

➡ **Environmental Quality, Economics, Social Well-Being** indicators needs to be scored on a scale from -3 to 3:



➡ **Governance (Process) Indicators** needs to be scored on scale from 0 to 4 (0 – No, not at all, 1 – Yes, slightly, 2 – Yes, moderately, 3 – Yes, 4 – Yes, fully, X – No data).

➡ In case **no data is available** to answer the indicator, please **insert 'X'** in the white cell below the 'No Data' field. If you choose 'No Data,' make sure that you do not have any additional numbers in the other white cells of the corresponding indicator.

➡ Please **give comments** for each answered indicator (data sources, identified problems, other additional comments). This serves as personal notes, as well as for later comparison.

➡ Please **fill in the time consumed** for your application in 'Final Assessment' sheet.

ENVIRONMENTAL QUALITY

INDICATOR	DESCRIPTION	SCORING RANGES							
1. The best-practice reduces waste, prevents air, water and soil pollution and stimulates material reuse and recycles	Please indicate on a scale from -3 to 3 and clarify with examples	No, strong negative effects	No, considerable negative effects	No, weak negative effects	No changes	Yes, weak positive effects	Yes, considerable positive effects	Yes, strong positive effects	No Data
		-3	-2	-1	0	1	2	3	X
2. The best-practice promotes flood prevention, protection and mitigation	Please indicate on a scale from -3 to 3 and clarify with examples	No, strong negative effects	No, considerable negative effects	No, weak negative effects	No changes	Yes, weak positive effects	Yes, considerable positive effects	Yes, strong positive effects	No Data
		-3	-2	-1	0	1	2	3	X
3. The best-practice improves the status of water (ecological and chemical)	Please indicate on a scale from -3 to 3 and clarify with examples	No, strong negative effects	No, considerable negative effects	No, weak negative effects	No changes	Yes, weak positive effects	Yes, considerable positive effects	Yes, strong positive effects	No Data
		-3	-2	-1	0	1	2	3	X
4. The best-practice supports policy and system to conserve key natural sites (including marine and nature scenic, cultural, and wild landscapes)	Please indicate on a scale from -3 to 3 and clarify with examples	No, strong negative effects	No, considerable negative effects	No, weak negative effects	No changes	Yes, weak positive effects	Yes, considerable positive effects	Yes, strong positive effects	No Data
		-3	-2	-1	0	1	2	3	X
5. The best-practice effects land use planning and management, supports environmentally friendly rural activities	Please indicate on a scale from -3 to 3 and clarify with examples	No, strong negative effects	No, considerable negative effects	No, weak negative effects	No changes	Yes, weak positive effects	Yes, considerable positive effects	Yes, strong positive effects	No Data
		-3	-2	-1	0	1	2	3	X

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INDICATOR	DESCRIPTION	SCORING RANGES							
6. The best-practice supports urban planning and effects urban development	Please indicate on a scale from -3 to 3 and clarify with examples	No, strong negative effects	No, considerable negative effects	No, weak negative effects	No changes	Yes, weak positive effects	Yes, considerable positive effects	Yes, strong positive effects	No Data
		-3	-2	-1	0	1	2	3	X
7. The best-practice supports natural habitats, biodiversity and their quality	Please indicate on a scale from -3 to 3 and clarify with examples	No, strong negative effects	No, considerable negative effects	No, weak negative effects	No changes	Yes, weak positive effects	Yes, considerable positive effects	Yes, strong positive effects	No Data
		-3	-2	-1	0	1	2	3	X
8. The best-practice improves sustainable management of coastal erosion	Please indicate on a scale from -3 to 3 and clarify with examples	No, strong negative effects	No, considerable negative effects	No, weak negative effects	No changes	Yes, weak positive effects	Yes, considerable positive effects	Yes, strong positive effects	No Data
		-3	-2	-1	0	1	2	3	X
9. The best-practice increases the resilience and reduces vulnerability to climate change impacts	Please indicate on a scale from -3 to 3 and clarify with examples	No, strong negative effects	No, considerable negative effects	No, weak negative effects	No changes	Yes, weak positive effects	Yes, considerable positive effects	Yes, strong positive effects	No Data
		-3	-2	-1	0	1	2	3	X
10. The best-practice increases energy efficiency	Please indicate on a scale from -3 to 3 and clarify with examples	No, strong negative effects	No, considerable negative effects	No, weak negative effects	No changes	Yes, weak positive effects	Yes, considerable positive effects	Yes, strong positive effects	No Data
		-3	-2	-1	0	1	2	3	X
11. The best-practice increases the use of low-impact transport and supports sustainable mobility in the destination (including public transport)	Please indicate on a scale from -3 to 3 and clarify with examples	No, strong negative effects	No, considerable negative effects	No, weak negative effects	No changes	Yes, weak positive effects	Yes, considerable positive effects	Yes, strong positive effects	No Data
		-3	-2	-1	0	1	2	3	X

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INDICATOR	DESCRIPTION	SCORING RANGES							
12. The best-practice contributes to increase environmental awareness of the population	Please indicate on a scale from -3 to 3 and clarify with examples	No, strong negative effects	No, considerable negative effects	No, weak negative effects	No changes	Yes, weak positive effects	Yes, considerable positive effects	Yes, strong positive effects	No Data
		-3	-2	-1	0	1	2	3	X
13. The best-practice promotes environmentally-friendly processes and products	Please indicate on a scale from -3 to 3 and clarify with examples	No, strong negative effects	No, considerable negative effects	No, weak negative effects	No changes	Yes, weak positive effects	Yes, considerable positive effects	Yes, strong positive effects	No Data
		-3	-2	-1	0	1	2	3	X
Number of indicators considered in the score calculation									13 out of 13

ECONOMICS

INDICATOR	DESCRIPTION	SCORING RANGES							
		No, strong negative effects	No, considerable negative effects	No, weak negative effects	No changes	Yes, weak positive effects	Yes, considerable positive effects	Yes, strong positive effects	No Data
1. The best-practice effects financial policies and instruments to support economic stability and resilience	Please indicate on a scale from -3 to 3 and clarify with examples	No, strong negative effects	No, considerable negative effects	No, weak negative effects	No changes	Yes, weak positive effects	Yes, considerable positive effects	Yes, strong positive effects	No Data
		-3	-2	-1	0	1	2	3	X
2. The best-practice increases economic diversification	Please indicate on a scale from -3 to 3 and clarify with examples	No, strong negative effects	No, considerable negative effects	No, weak negative effects	No changes	Yes, weak positive effects	Yes, considerable positive effects	Yes, strong positive effects	No Data
		-3	-2	-1	0	1	2	3	X
3. The best-practice ensures an acceptable employment and training opportunities for local residents	Please indicate on a scale from -3 to 3 and clarify with examples	No, strong negative effects	No, considerable negative effects	No, weak negative effects	No changes	Yes, weak positive effects	Yes, considerable positive effects	Yes, strong positive effects	No Data
		-3	-2	-1	0	1	2	3	X
4. The best-practice increases payments and investments in coastal management	Please indicate on a scale from -3 to 3 and clarify with examples	No, strong negative effects	No, considerable negative effects	No, weak negative effects	No changes	Yes, weak positive effects	Yes, considerable positive effects	Yes, strong positive effects	No Data
		-3	-2	-1	0	1	2	3	X
5. The best-practice promotes infrastructure development and increases environmental friendly transport	Please indicate on a scale from -3 to 3 and clarify with examples	No, strong negative effects	No, considerable negative effects	No, weak negative effects	No changes	Yes, weak positive effects	Yes, considerable positive effects	Yes, strong positive effects	No Data
		-3	-2	-1	0	1	2	3	X
6. The best-practice increases culturally and environmentally friendly, low-impact tourism	Please indicate on a scale from -3 to 3 and clarify with examples	No, strong negative effects	No, considerable negative effects	No, weak negative effects	No changes	Yes, weak positive effects	Yes, considerable positive effects	Yes, strong positive effects	No Data
		-3	-2	-1	0	1	2	3	X

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INDICATOR	DESCRIPTION	SCORING RANGES							
7. The best-practice increases investment in innovation for green economy	Please indicate on a scale from -3 to 3 and clarify with examples	No, strong negative effects	No, considerable negative effects	No, weak negative effects	No changes	Yes, weak positive effects	Yes, considerable positive effects	Yes, strong positive effects	No Data
		-3	-2	-1	0	1	2	3	X
8. The best-practice increases productivity and use of sustainable agriculture and fisheries	Please indicate on a scale from -3 to 3 and clarify with examples	No, strong negative effects	No, considerable negative effects	No, weak negative effects	No changes	Yes, weak positive effects	Yes, considerable positive effects	Yes, strong positive effects	No Data
		-3	-2	-1	0	1	2	3	X
9. The best-practice increases investments on climate change and flood risk management	Please indicate on a scale from -3 to 3 and clarify with examples	No, strong negative effects	No, considerable negative effects	No, weak negative effects	No changes	Yes, weak positive effects	Yes, considerable positive effects	Yes, strong positive effects	No Data
		-3	-2	-1	0	1	2	3	X
Number of indicators considered in the score calculation									9 out of 9

SOCIAL WELL-BEING

INDICATOR	DESCRIPTION	SCORING RANGES							
		No, strong negative effects	No, considerable negative effects	No, weak negative effects	No changes	Yes, weak positive effects	Yes, considerable positive effects	Yes, strong positive effects	No Data
1. The best-practice promotes social justice and equal opportunities for all members of society	Please indicate on a scale from -3 to 3 and clarify with examples	No, strong negative effects	No, considerable negative effects	No, weak negative effects	No changes	Yes, weak positive effects	Yes, considerable positive effects	Yes, strong positive effects	No Data
		-3	-2	-1	0	1	2	3	X
2. The best-practice improves quality of life (all people have a home and access to basic infrastructure and services)	Please indicate on a scale from -3 to 3 and clarify with examples	No, strong negative effects	No, considerable negative effects	No, weak negative effects	No changes	Yes, weak positive effects	Yes, considerable positive effects	Yes, strong positive effects	No Data
		-3	-2	-1	0	1	2	3	X
3. The best-practice provides educational opportunities, supports life-long learning and increases awareness about sustainability	Please indicate on a scale from -3 to 3 and clarify with examples	No, strong negative effects	No, considerable negative effects	No, weak negative effects	No changes	Yes, weak positive effects	Yes, considerable positive effects	Yes, strong positive effects	No Data
		-3	-2	-1	0	1	2	3	X
4. The best-practice protects, monitors, and safeguards local resident access to natural, historical, archaeological, religious, spiritual, and cultural sites	Please indicate on a scale from -3 to 3 and clarify with examples	No, strong negative effects	No, considerable negative effects	No, weak negative effects	No changes	Yes, weak positive effects	Yes, considerable positive effects	Yes, strong positive effects	No Data
		-3	-2	-1	0	1	2	3	X
5. The best-practice supports the conservation of cultural heritage (includes rural heritage)	Please indicate on a scale from -3 to 3 and clarify with examples	No, strong negative effects	No, considerable negative effects	No, weak negative effects	No changes	Yes, weak positive effects	Yes, considerable positive effects	Yes, strong positive effects	No Data
		-3	-2	-1	0	1	2	3	X

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INDICATOR	DESCRIPTION	SCORING RANGES							
6. The best-practice contributes to crime prevention and increase perception of safety among population	Please indicate on a scale from -3 to 3 and clarify with examples	No, strong negative effects	No, considerable negative effects	No, weak negative effects	No changes	Yes, weak positive effects	Yes, considerable positive effects	Yes, strong positive effects	No Data
		-3	-2	-1	0	1	2	3	X
7. The best-practice increases production of local and fair trade goods and services	Please indicate on a scale from -3 to 3 and clarify with examples	No, strong negative effects	No, considerable negative effects	No, weak negative effects	No changes	Yes, weak positive effects	Yes, considerable positive effects	Yes, strong positive effects	No Data
		-3	-2	-1	0	1	2	3	X
8. The best-practice promotes communication, cooperation between citizens and local authorities	Please indicate on a scale from -3 to 3 and clarify with examples	No, strong negative effects	No, considerable negative effects	No, weak negative effects	No changes	Yes, weak positive effects	Yes, considerable positive effects	Yes, strong positive effects	No Data
		-3	-2	-1	0	1	2	3	X
9. The best-practice reduces vulnerability of people to climate change and promotes comprehensive risk based assessment and prioritised action in area	Please indicate on a scale from -3 to 3 and clarify with examples	No, strong negative effects	No, considerable negative effects	No, weak negative effects	No changes	Yes, weak positive effects	Yes, considerable positive effects	Yes, strong positive effects	No Data
		-3	-2	-1	0	1	2	3	X
Number of indicators considered in the score calculation									9 out of 9

GOVERNANCE (PROCESS INDICATORS)

INDICATOR	DESCRIPTION	SCORING RANGES					
1. A management team with broad competences and sufficient representation was built to lead the planning process	Please indicate on a scale from 0 to 4 and clarify with examples	No, not at all	Yes, slightly	Yes, moderately	Yes	Yes, fully	No Data
		0	1	2	3	4	X
2. Human activities and associated stakeholder groups were determined	Please indicate on a scale from 0 to 4 and clarify with examples	No, not at all	Yes, slightly	Yes, moderately	Yes	Yes, fully	No Data
		0	1	2	3	4	X
3. The issue was chosen driven by ecological, social or economic needs and targets were set	Please indicate on a scale from 0 to 4 and clarify with examples	No, not at all	Yes, slightly	Yes, moderately	Yes	Yes, fully	No Data
		0	1	2	3	4	X
4. All possible measures were identified and compiled into alternative hypothetical scenarios	Please indicate on a scale from 0 to 4 and clarify with examples	No, not at all	Yes, slightly	Yes, moderately	Yes	Yes, fully	No Data
		0	1	2	3	4	X
5. A strategy was developed how to assess the effect and ESE (Economic, Social, Ecologic) consequences of different scenarios (e.g. modelling)	Please indicate on a scale from 0 to 4 and clarify with examples	No, not at all	Yes, slightly	Yes, moderately	Yes	Yes, fully	No Data
		0	1	2	3	4	X
6. Different alternative scenarios were simulated and results discussed with stakeholders	Please indicate on a scale from 0 to 4 and clarify with examples	No, not at all	Yes, slightly	Yes, moderately	Yes	Yes, fully	No Data
		0	1	2	3	4	X

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INDICATOR	DESCRIPTION	SCORING RANGES					
7. Assessments were made of impacts on different stakeholders	Please indicate on a scale from 0 to 4 and clarify with examples	No, not at all	Yes, slightly	Yes, moderately	Yes	Yes, fully	No Data
		0	1	2	3	4	X
8. Costs were calculated for different optional measures considered in the scenarios	Please indicate on a scale from 0 to 4 and clarify with examples	No, not at all	Yes, slightly	Yes, moderately	Yes	Yes, fully	No Data
		0	1	2	3	4	X
9. There was a strategy for the issues of missing data and uncertainty in implementation process	Please indicate on a scale from 0 to 4 and clarify with examples	No, not at all	Yes, slightly	Yes, moderately	Yes	Yes, fully	No Data
		0	1	2	3	4	X
10. The feasibility, costs end efficiency of scenarios were reviewed and evaluated	Please indicate on a scale from 0 to 4 and clarify with examples	No, not at all	Yes, slightly	Yes, moderately	Yes	Yes, fully	No Data
		0	1	2	3	4	X
11. The entire process was documented and publicly available	Please indicate on a scale from 0 to 4 and clarify with examples	No, not at all	Yes, slightly	Yes, moderately	Yes	Yes, fully	No Data
		0	1	2	3	4	X
12. The concept was implemented and accepted by the public	Please indicate on a scale from 0 to 4 and clarify with examples	No, not at all	Yes, slightly	Yes, moderately	Yes	Yes, fully	No Data
		0	1	2	3	4	X
13. Effects of implemented measure are monitored on regular basis with respect to identified targets	Please indicate on a scale from 0 to 4 and clarify with examples	No, not at all	Yes, slightly	Yes, moderately	Yes	Yes, fully	No Data
		0	1	2	3	4	X

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INDICATOR	DESCRIPTION	SCORING RANGES					
14. The success of measure was evaluated	Please indicate on a scale from 0 to 4 and clarify with examples	No, not at all	Yes, slightly	Yes, moderately	Yes	Yes, fully	No Data
		0	1	2	3	4	X
Number of indicators considered in the score calculation							14 out of 14