Indicator Application
Exercise

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Exercise: Sustainability Indicators Application

➢ 2 groups (group or individual work)

➢ 3 scenarios

➢ Time for application and group discussion: 60 min.

All you need to do…

▪ Download the indicator-based tool on BONUS project BaltCoast website:

> ▪ **Tools & Integration → Evaluation Tool →**
> **http://www.baltcoast.net/indicators.html**

▪ Apply indicator set on case study with hypothetical scenarios

▪ Discussion in groups

▪ Be creative!

▪ Presentation of results (8-10 min.)

Points for discussion:

➢ The most "sustainable" scenario

➢ Did indicators reflected measure?

➢ Suggestion for additional indicators

Environmental Quality
Indicators scoring: 7 ranges and 'No Data'

1. The best-practice reduces waste, prevents air, water and soil pollution and stimulates material reuse and recycles
2. The best-practice promotes flood prevention, protection and mitigation
3. The best-practice improves the status of water (ecological and chemical)
4. The best-practice supports policy and system to conserve key natural sites (including marine and nature scenic, cultural, and wild landscapes)
5. The best-practice effects land use planning and management, supports environmentally friendly rural activities
6. The best-practice supports urban planning and effects urban development
7. The best-practice supports natural habitats, biodiversity and their quality
8. The best-practice improves sustainable management of coastal erosion
9. The best-practice increases the resilience and reduces vulnerability to climate change impacts
10. The best-practice increases energy efficiency
11. The best-practice increases the use of low-impact transport and supports sustainable mobility in the destination (including public transport)
12. The best-practice contributes to increase environmental awareness of the population
13. The best-practice promotes environmentally-friendly processes and products

Social Well-Being
Indicators scoring: 7 ranges and 'No Data'

1. The best-practice promotes social justice and equal opportunities for all members of society
2. The best-practice improves quality of life (all people have a home and access to basic infrastructure and services)
3. The best-practice provides educational opportunities, supports life-long learning and increases awareness about sustainability
4. The best-practice protects, monitors, and safeguards local resident access to natural, historical, archaeological, religious, spiritual, and cultural sites
5. The best-practice supports the conservation of cultural heritage (includes rural heritage)
6. The best-practice contributes to crime prevention and increase perception of safety among population
7. The best-practice increases production of local and fair trade goods and services
8. The best-practice promotes communication, cooperation between citizens and local authorities
9. The best-practice reduces vulnerability of people to climate change and promotes comprehensive risk based assessment and prioritised action in area

Economics
Indicators scoring: 7 ranges and 'No Data'

1. The best-practice effects financial policies and instruments to support economic stability and resilience
2. The best-practice increases economic diversification
3. The best-practice ensures an acceptable employment and training opportunities for local residents
4. The best-practice increases payments and investments in coastal management
5. The best-practice promotes infrastructure development and increases environmental friendly transport
6. The best-practice increases culturally and environmentally friendly, low-impact tourism
7. The best-practice increases investment in innovation for green economy
8. The best-practice increases productivity and use of sustainable agriculture and fisheries
9. The best-practice increases investments on climate change and flood risk management

Governance (Process Indicators)
Indicators scoring: 5 ranges and 'No Data'

1. A management team with broad competences and sufficient representation was built to lead the planning process
2. Human activities and associated stakeholder groups were determined
3. The issue was chosen driven by ecological, social or economic needs and targets were set
4. All possible measures were identified and compiled into alternative hypothetical scenarios
5. A strategy was developed how to assess the effect and ESE (Economic, Social, Ecologic) consequences of different scenarios (e.g. modelling)
6. Different alternative scenarios were simulated and results discussed with stakeholders
7. Assessments were made of impacts on different stakeholders
8. Costs were calculated for different optional measures considered in the scenarios
9. There was a strategy for the issues of missing data and uncertainty in implementation process
10. The feasibility, costs end efficiency of scenarios were reviewed and evaluated
11. The entire process was documented and publicly available
12. The concept was implemented and accepted by the public
13. Effects of implemented measure are monitored on regular basis with respect to identified targets
14. The success of measure was evaluated

Thank You!

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COASTAL RESEARCH & MANAGEMENT