

COURSE ON SUSTAINABLE DEVELOPMENT INDICATORS IN COASTAL AREAS

Schedule*:

- [09:00 – 10:30] Part I – Introduction and Methodologies
[10:30 – 11:00] coffee break
[11:00 – 12:30] Part I – Introduction and Methodologies (cont.)
[12:30 – 14:00] lunch
[14:00 – 15:30] Part II- A GIS-Based Set of Indicators for the Environmental Monitoring of the Coastal Zone of Andalucía
[15:30 – 16:00] coffee break
[16:00 – 18:00] Part III- Making the Coast Visible: the development and implementation of a Europe-wide set of sustainability indicators

* schedule subject to amendment.

Course Content:

Part I – Introduction and Methodologies

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1. History of sustainability indicators and main concepts: parameters (raw data), indicators, indices and headline indicators
2. Methods for developing sustainable development indicators
 - 2.1 Conceptual frameworks for the design of indicators
 - 2.2 Criteria for indicator selection and development
 - 2.3 Aggregation methods
 - 2.4 Advantages and drawbacks
3. The current use of indicators: local, regional, national and global scales
 - 3.1 The national and international experience
 - 3.2 The interrelations between indicators and other environmental assessment and management tools
4. Future developments

Part II- A GIS-Based Set of Indicators for the Environmental Monitoring of the Coastal Zone of Andalucía

Fatima Navas

Coastal Management and Information Systems Research Group
University of Seville, Spain

1. Introduction to the Integrated Coastal Zone Management in Europe. Andalucía as a showcase study Region
2. Presentation of the Coastal Environments of Andalucía

3. Presentation of the Existing GIS-Based Coastal Management Tool for Andalucía
4. Environmental Monitoring of the Coastal Zone of Andalucía Based on Indicators:
 - 4.1 Objectives
 - 4.2 Design and Elaboration of Indicators
 - 4.3 Presentation of resulting Indicators
5. Conclusions

Part III- Making the Coast Visible: the development and implementation of a Europe-wide set of sustainability indicators

Clive Gilbert

COASTLINK, Technical Director, Model d'évaluation du niveau de développement durable des zones côtières européennes, Member, EU Working Group on Indicators and Data, coastlink@skynet.be

1. The Demonstration Programme and the EU ICZM Recommendation (2002)
2. EU ICZM Expert Group - two questions:
 - . • How can Member States measure the extent to which ICZM is being implemented?
 - . • How can Member States tell whether they are moving further towards or away from a more sustainable coast, and at what pace?
3. Working Group on Indicators and Data - two answers:
 - . • The 'progress' indicator (2003)
 - . • Set of sustainable development indicators (2004)
4. The progress indicator – test by course participants
5. The sustainable development indicators
 - . • choice of goals, indicators and measurements
 - . • questions of scaling and comparability – can the same indicator be used at local, regional, national and European levels?
 - . • calculating the indicators – the evidence so far
6. Converting data into information
 - . • indicator fact sheets
 - . • indicators, politics and ICZM
7. Next steps – an invitation to participate