Coastal Atlas Flanders/Belgium: moving from a classical static to an interactive data driven atlas.

Kathy Belpaeme - Coordination centre on Integrated Coastal Zone Management

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Content

• What has been developed?
  – The Coastal Atlas Flanders/Belgium
  – Going surfing: www.kustatlas.be

• The process and framework
• Future plans/perspective
• Some thoughts
The real thing…

…a desktop book
  – Little text
  – Lot’s of maps
  – Lot’s of pictures
  – Timeless information
Why this atlas?
Because of the European ICZM recommendations (413/2002/EC)
...every member state needs to draw up a national coast inventory...

Not a dusty report, but a communication tool!
Target audience

• For everybody who is interested in the coast… (local governments, nature guides, stakeholders…)

• A balance between scientific correct data and information, also attractive to a broader public…
Now in your bookshop...

- Altas was presented in October 2004.
- 300 Dutch copies sold in a few months (€ 46,25)
Go surfing:
WWW.KUSTATLAS.BE

target audience?
The website:

• The same ‘look and feel’ of the book. Keep it simple
• available in 4 languages <-> the book: 2 languages
The website:

• The same ‘look and feel’
• Available in 4 languages
• Same structure of the book

12 themes:

Spatial setting
Physical environment
Spatial structure
Use of the sea
Environment and nature
Tourism and recreation
Industry and business
Fishery and agriculture
Culture and heritage
Living by the sea
Coastal defense
Integrated coastal zone management
Link with coastal indicators and data

- Tourism at the coast and in the hinterland
- 10 coastal municipalities / 13 seaside resorts
- Coastal tourism
  - Accommodation types
  - Beach tourism
  - Day tourism
  - Tourism in the hinterland

Tourism and recreation

Tourism at the coast and in the hinterland

/ 10 COASTAL MUNICIPALITIES / 13 SEASIDE RESORTS

/ COASTAL TOURISM

accommodation types » beach tourism » day tourism » tourism in the hinterland

Indicators for tourism and recreation:

- Demand for road travel on the Coast
- Pressure for coastal and marine recreation
- Area of land and sea protected by statutory designations
- Loss of cultural distinctiveness
- Significance of tourism
- Sustainable Tourism
- Bathing water quality
- Amount of marine and coastal litter
First phase:
- Do-It-Yourself maps
  - Selected category
- PDF’s of all the maps and graphs

Second phase:
- GIS- Layers available for arc view
- Data in Excel files
- Interactive Google earth layers
The coastal atlas presents:

- Maps
- Information about the maps
- Links to back ground information
- Links to sustainability indicators

- Google Earth
- Used as background
- Zooming
- Including data
- Information storage
Technology used

- The whole website was set up in PHP/HTML.
- The structure, navigation, style, content was made “google-friendly”
- Interactive maps: flash application
- All downloads: pdf/xls/gis format

Design and web development by “Five to nine” (www.fivetonine.be)
Software needed

1. **Browsers**
   website is made according to the current webstandards and is therefor easy to consult with modern browsers (Internet Explorer 6, Netscape 6.2 and higher, Firefox, Safari 1.2, e.a.) that support these standards. The site can also be looked at with an older browser, although the result may then not be perfect.

2. **Plug-ins**
   - Flash version 6: in order to look at interactive maps Flash player 6 is needed (free download possible).
   - Adobe Acrobat Version 5 (free download)
• All data is public accessible;
• All maps are available form public authorities;
• For indicators data: specific restrictions can occur (e.g. wind speed data);
Data accessibility

• Elements with respect to content (illustrations, pictures, maps, texts...) of this atlas can be used subject to prior written permission of the Coordination Center.

• The pictures are subject to copyright.

• Very little service elements at present (indicators?)
Shout it out...spread the news
WWW.KUSTATLAS.BE

> 2000 visitors a month
Process/organisation

- the Atlas is an initiative of the Coordination center ICZM (partnership)
- initial work financed through an Objective 2 project (EU). Lack of money for upgrade.
- website hosted by VLIZ
- institutional support: ad-hoc task-force for coastal atlas and website. All partners of the Coordination Center involved.
- Legislative base: ICZM. Maritime Policy?
Legislative base


Claude Willaert, 2008
European context


=> Need to link up with working group on the European Coastal Atlas.
Towards implementation of the European Maritim Strategy: “...much information is available about Europe's Oceans and about maritime activities, but there is a lack of published material bringing it all together in a form that would allow the general public, those interested in the sea, and young people at school to get to know the maritime world.”
The international context

International Coastal Atlas Network (ICAN)
The future plans…(1)

Collaboration with **planners** and **scientists**. Include much more GIS based maps.

Based on **analysis** of current use and **wishes** of the end users and clients.
The future plans...(2)

Link the maps to the sustainability indicators for the coast.

- 21 measurements to measure the state of the coast...
  - Social aspects
    - Employment
    - Population structure
  - Economical aspects
    - Economical structure
    - Goods in harbor
  - Ecological aspect
    - Fish stocks within safe limits
    - Nature protected area’s
Indicators

• Goal

  – Using data, measurements and indicators as a communication tool
  – Distribute the indicators to a broad interested public
  – Stimulate them as management support system
  – Not an evaluation of the coast and the coastal policies
• **Second houses**
  – 2003 -> 2006: + 2.3% of 6000 more places to live
  – Number of second houses decreases: 35.53% nr 35.13%
De verouderingsgraad in de kustregio, 2006

1996 -> 121 <60 tov 100 <20
2006 -> 156 <60 tov 100 <20
2015... 200 < 60 tov 100 <20

Bron: SVR, Bevolkingskubussen
The future plans...(3)

• Move towards a Coastal Explorer
• Develop tools, service elements
Google ocean?
Some thoughts

• Define your target audience
• Think carefully about the aim of your atlas
• Stimulating the integration thought in your atlas: cut across borders!
• What do your end-users want? Build in users feedback.
• Interoperability: to what degree and how? Collaboration with Dorset Coastal Explorer
Users

• Who uses the atlas? How do they use it?
  ⇒ Analyse the use of the current atlas
• End-user consultation: what do they want to see?
  ⇒ Involve planners and end-users throughout the whole process
Thanks

- Flanders Marine Institute

- YOU for your attention
Thank you!