

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

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Content

- What has been developed?
 - The Coastal Atlas Flanders/Belgium
 - Going surfing: <u>www.kustatlas.be</u>
- The process and framework
- Future plans/perspective
- Some thoughts

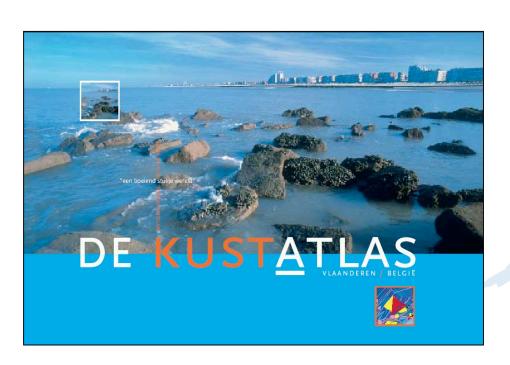


The real thing...

- ...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,



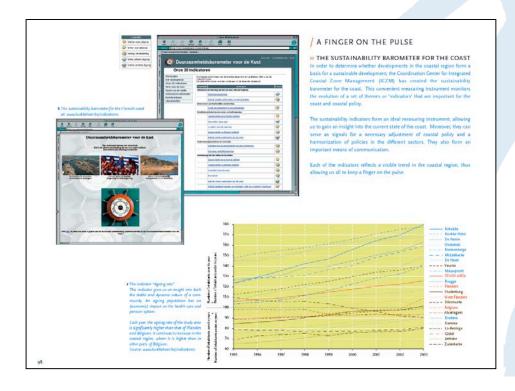


• A balance between scientific correct data and information, also attractive to a broader public...



Now in your bookshop...

- Altas was presented in October 2004.
- 300 Dutch copies sold in a few months
 (€ 46,25)





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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



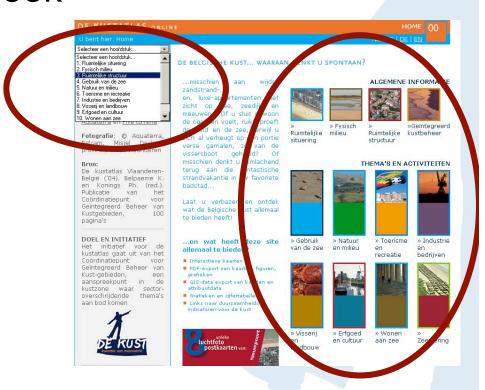


The website:

- The same 'look and feel'
- Available in 4 languages
- Same structure of the book

12 themes:

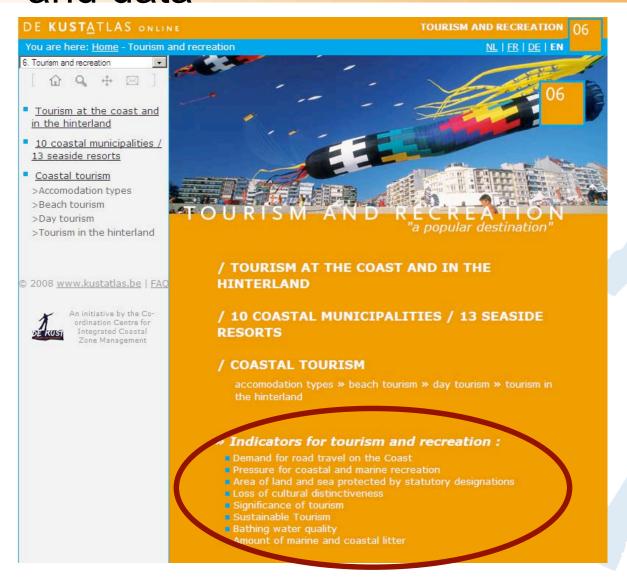
Spatial setting
Physical environment
Spatial structure
Use of the sea
Environment and nature
Tourism and recreation
Industry and business
Fishery and agriculture
Culture and heritage
Living by the sea
Coastal defense
Integrated coastal zone
management





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Link with coastal indicators and data







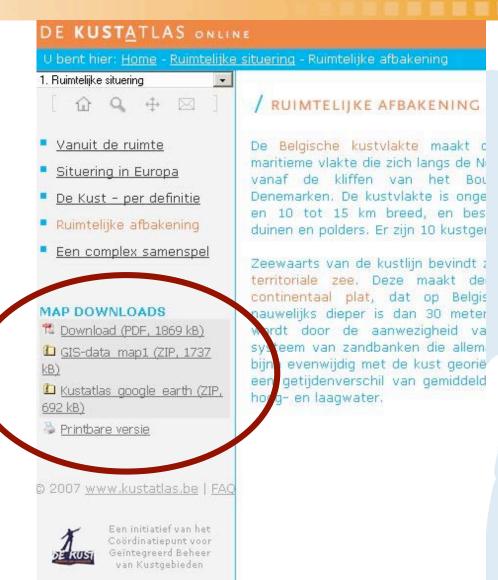
The coastal atlas: Interactive

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

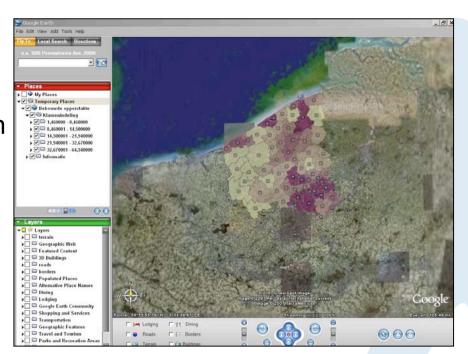




Coastal atlas & Google Earth

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, allthough 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)

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Data/cartographic information

- 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?)



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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

 ICZM Recommendation and Communication (2007).

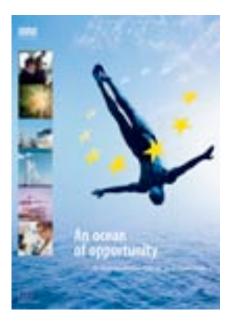


Claude Willaert, 2008



European context

- Communication "An integrated Maritime Policy for the European Union" – 2007.
- => Need to link up with working group on the European Coastal Atlas.





The European context

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 <u>planners</u> and <u>scientists</u>. Include much more GIS based maps.

Based on <u>analysis</u> of current use and <u>wishes</u> 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

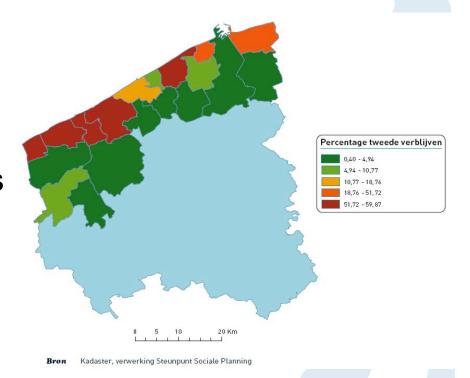
- Using data, measurements and indicators as a communication tool
- Distribute the indicators to a broad interested public
- Stimulate them as management support system
- Not an evaluation of the coast and the coastal policies

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Enforcement of social and cultural aspects

Second houses

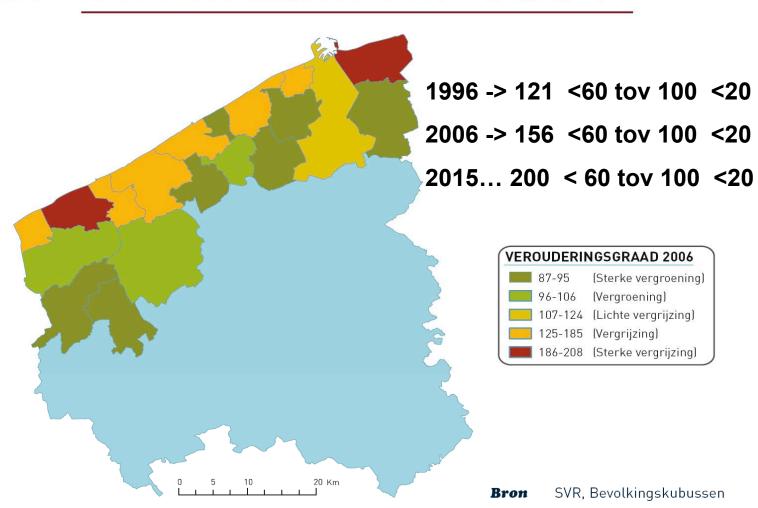
- 2003 -> 2006: + 2.3% of6000 more places to live
- Number of second houses decreases : 35,53% nr 35,13%



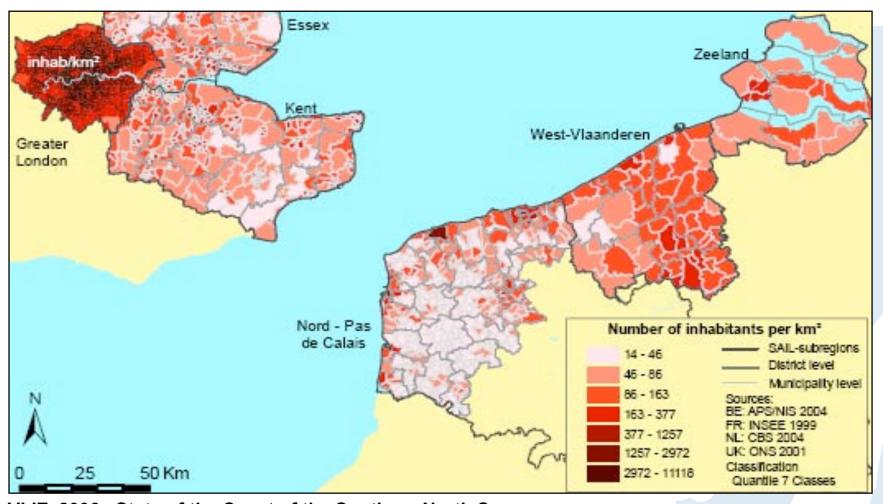
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Age structure of people who are living at the coast

Kaart 1 De verouderingsgraad in de kustregio, 2006





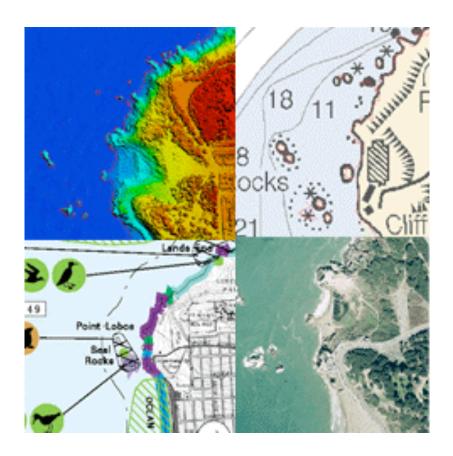


VLIZ, 2006. State of the Coast of the Southern North Sea.



The future plans...(3)

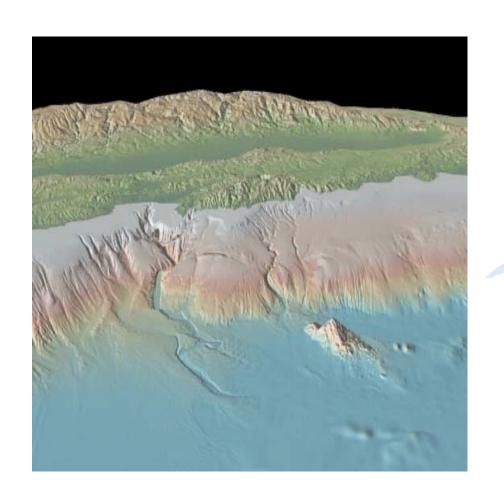
- Move towards a Coastal Explorer
- Develop tools, service elements





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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!

