



Rijkswaterstaat
Ministerie van Infrastructuur en Milieu

Dynamic Coastal Zone Management: a “sandy” approach of ICZM

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- What is Dynamic Coastal Zone Management?
- Experiences so far
- What do we do now?
- Guideline for Dynamic Coastal Zone Management
- Long term perspective??



Dynamic Coastal Zone Management looks like....





What is Dynamic Coastal Zone Management?

- Dynamic Coastal Zone Management = Management aimed at energizing the coastal strip to connect the wet and the dry part of the coastal zone.
- 3 main goals:

1. Dynamic Coastal Zone Management is essential for restoration and enhancement of a resilient coast (Third National Policy document on the coast, 2000)
2. Ecological goals and contribution to the objectives of Natura 2000
3. Contribution to sustainable safety: follow the Sea Level Rise



Experiences so far

- From 1990 new and stronger Coastal Management Policy is in force
- Due to maintenance of the coastline and sufficient sediment volume in the coastal foundation, dynamic coastal zone management is possible.
- Also our Deltaprogramm recommends broad coastal area's with possibilities for natural dynamics, recreation and other functions.
- One of the main task for Nature2000 area's is protection and enlargement of young dunes, white dunes and gray dunes.



Experiences so far

- Due to maintenance of the coastline (1990), more drifting of sand is allowed by waterboards and nature organisations.
- Effects are clearly visible: enlargement of the young dunes and white dunes



Experiences so far

- But still lots of discussions:
 1. Definition?
 2. Goals of dynamic coastal zone management?
 3. How to deal with it? How to implement it into the area?
 4. How to monitor?
 5. How to align with other interests?
 6. How to explain to e.g. citizens?





Experiences so far

- Rijkswaterstaat and the Foundation for Applied Water Research (STOWA) developed a vision for dynamic coastal zone management with 6 recommendations:





What do we do now?

6 recommendations:

1. Develop a guidance for definitions and use of dynamic coastal zone management
2. Try to implement DCZM in plans for N2000
3. Tips and tricks for communication
4. Take care of good monitoring
5. Tune different research programs, especially for the long term
6. Research and development of local problems





Guidance for dynamic coastal zone management

- Guidance for making fundamental and transparent decisions
- Describes different types of dynamics and its conditions for different interests
- Offers a road map for implementation





1. You cannot implement DCZM by yourself
2. You have to align with other interests
3. You have to take into account conditions for all different interests in the area...

to make it work!!





And what about the future? The long term perspective

- 2012: more research and make an inventory of all DCZM area's in the Netherlands
- 2012: DCZM in the Deltaprogram



Can DCZM be used in the long term perspective?





YES, WE CAN!

...as a means to reinforce sandy floodsystems

...as a means to develop new habitattypes or areas

...

...as a means to follow Sea Level Rise

...



Thank you for your attention!

For more information on
Dynamic Coastal Zone Management go to
www.dynamischkustbeheer.nl