

# Webinarserie

**kl. 11.00-11.45**

Lær mer om blågrønne  
og naturbaserte løsninger

# NATURBASERT SONE



Webinarserie åpen for alle:

- Inviterte foredragsholdere fra forskning og forvaltning m.fl.
- Vanligvis ca. en gang i måneden,  
**torsdager kl.11.00-11:45**
- Info, påmelding, presentasjoner og opptak: [www.niva.no/nbs](http://www.niva.no/nbs)
- Forslag til tema eller andre innspill: [nbs@niva.no](mailto:nbs@niva.no)

# Velkommen til Naturbasert Sone!



Foto: Ingvild Skumlien Furuseth

**NIVA**

# LIFE COAST ADAPT

## LESSONS LEARNED FROM IMPLEMENTING NATURE-BASED SOLUTIONS TO PROTECT COASTAL VALUES

Susann Milenkovski, Environmental strategist, Region Skåne

Helena Björn, Environmental strategist, Lomma



# PURPOSE

- Show how nature-based climate adaptation measures can be implemented
- Test if nature-based solutions can function as coastal protection and promote ecological and social coastal values
- Cooperation between stakeholders -  
Provide knowledge for decision makers

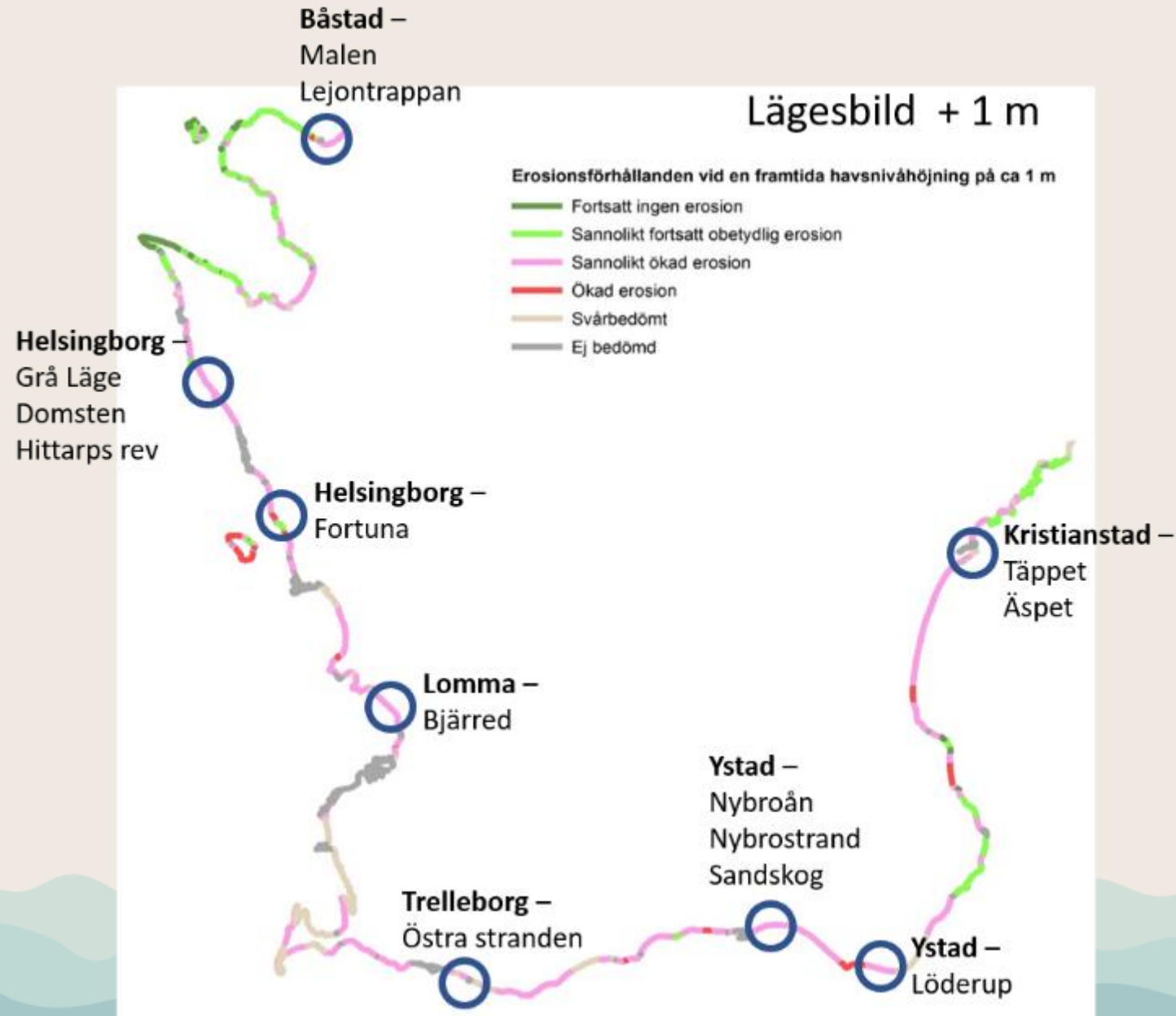


# PROJECT MANAGEMENT

- 2018 - 2023
- Budget - 45 MSEK (EU-LIFE, HaV)
- 6 coastal municipalities
- 14 locations

Project group – 7 stakeholders

Region Skåne  
Helsingborg municipality  
Lomma municipality  
Ystad municipality  
Lund university  
County Administrative Board  
Skåne Association of Local authorities



# Protection of coastal values.

During the five project years, various nature-based solutions have been tested and developed along the coast of Skåne. This has shown why they should be the preferred choice in many locations.



1 Planting of eelgrass



2 Removal of invasive plants



3 Removal of hard structures



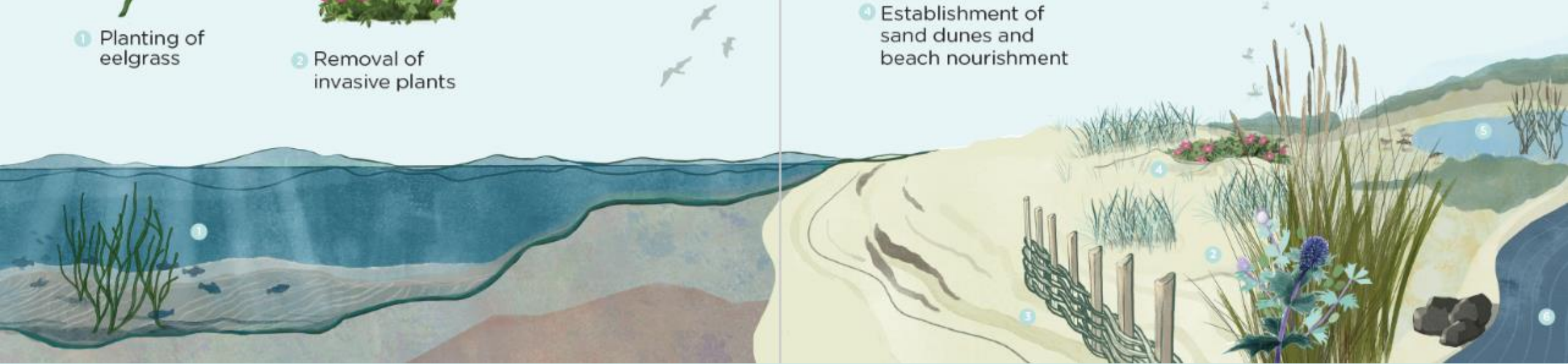
4 Establishment of sand dunes and beach nourishment



5 Creation of a coastal wetland

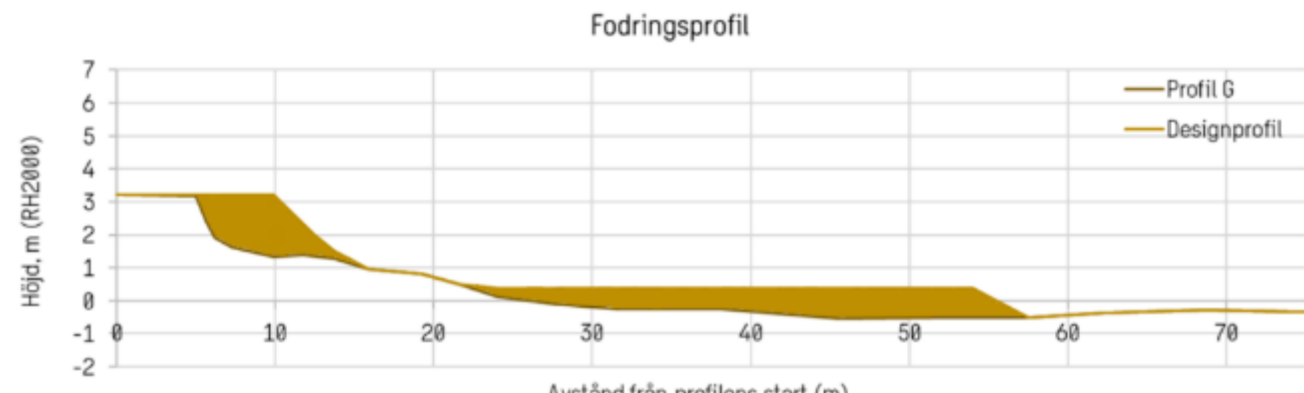


6 Restoration of a coastal stream





**PREPARATIONS** to obtain legal permits, calculate and procure measures as well as optimise locations







**CREATION OF A NEW DYNAMIC** in the physical environment by removal of hard structures and invasive species



Ystad, removing aspen



Bjärred, Lomma,



Fortuna, Helsingborg





**CREATION OF A NEW DYNAMIC** in the physical environment by removal of hard structures and invasive species





**RESTORATION** of coastal values by beach nourishment, planting/ grafting and facilitating dune formation



Bjärred, Lomma (after)



Ystad, 2020, beach nourishment



Ystad, dune formation



# RESTORATION of coastal values by new wetlands and river restoration



New wetland in Bjärred, Lomma



River restoration, Nybråån, Ystad



Planting in Helsingborg



# MONITORING and EVALUATION of the dynamic coastline



Fortuna Helsingborg, Restored after Malik

- Keep up maintenance of the measures
- Keep learning
- Share your knowledge internally and externally



# FLEXIBLE, AGILE, ADAPTIVE and TRANSFORMATIVE

## IT HAPPENS!!

- Permits are delayed or complicated
- No sand or material
- Eelgrass appeared
- Storm damage



## DEAL WITH IT!!

- Reduce the action and make a legal notification instead
- Call someone, discuss, is someone dredging, can we use that?
- Wonderful! Change you location or design! Work with the eelgrass.
- Can we move sand/material to restore the measure? OK



# NEW POSSIBILITIES AND FURTHER CHALLENGES

- Community engagement will be strong and active
- Public awareness a key factor
- Public procurement
- Policy and Regulatory support
- Get legal permit for a longer period of maintenance
- Sand sustainability





# MALIK AND BABET AS SUCCESSFUL STRESSTESTS



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Bjærred restored after Malik



# MALIK AND BABET AS SUCCESSFUL STRESSTESTS



YSTAD, before Babet



YSTAD, after Babet



# MALIK AND BABET AS SUCCESSFUL STRESSTESTS

FOR FORTU FORTU FORTUNA, restored after Malik



# MOST IMPORTANT PROJECT GAIN!

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# Takk for i dag!

Velkommen til neste  
#naturbasertsone

27. februar 2025

«Klimatilpasning med  
skog i skredutsatt  
terreng»

Amanda Johansen Di Biagio (NGI)

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