

UNMANAGED BEACHES FROM A CLIMATE AND LAND-MARINE POINT OF VIEW

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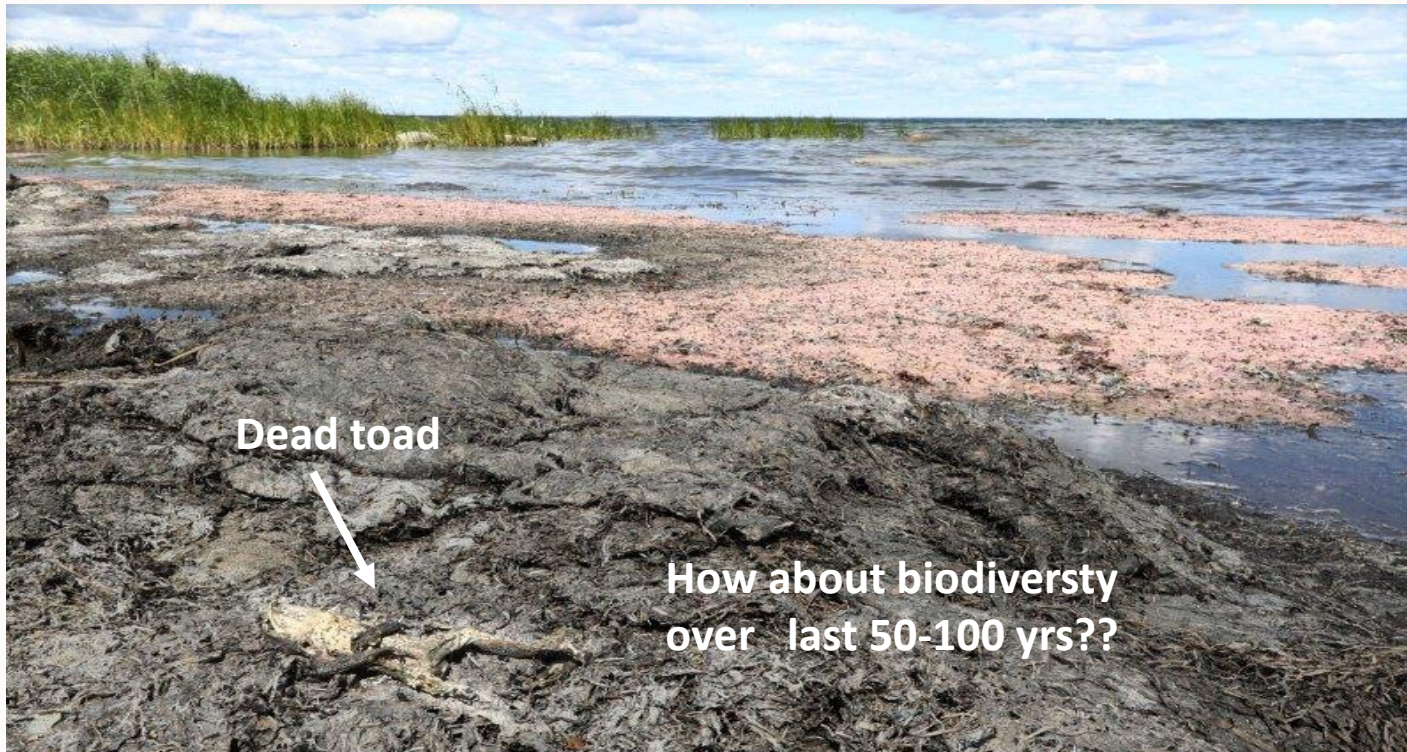
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Photo: Varvara Sachpazidou

Beach Wrack, Killing ??? What is natural?!

– Different zones?



“Water Mirrors” for how long?
Lots of stinking holes!



Semi-managed beaches and coast lines. Methane!



Coast Line Changes – Different zones to be mapped



Species	Abundance
<i>Atriplex littoralis</i>	3
<i>Chenopodium album</i>	3
<i>Alnus glutinosa</i>	2
<i>Lamium purpureum</i>	2
<i>Phragmites australis</i>	2
<i>Quercus robur</i>	2
<i>Achillea millefolium</i>	1
<i>Calystegia sepium</i>	1
<i>Galeopsis tetrahit</i>	1
<i>Rumex crispus</i>	1
<i>Rumex maritimus</i>	1
<i>Scorzoneroide autumnalis</i>	1
<i>Salix caprea</i>	1
<i>Salix repens</i>	1
<i>Spargularia marina</i>	1
<i>Tripleurospermum maritimum</i>	1
<i>Urtica dioica</i>	1



Sampling Algae Methodology



Composition at Different Depth and Distance to Shore Line



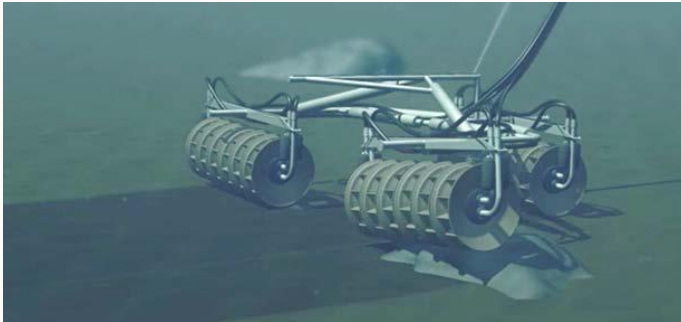
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Unmanaged coast areas – How much in the Baltic Sea Region?

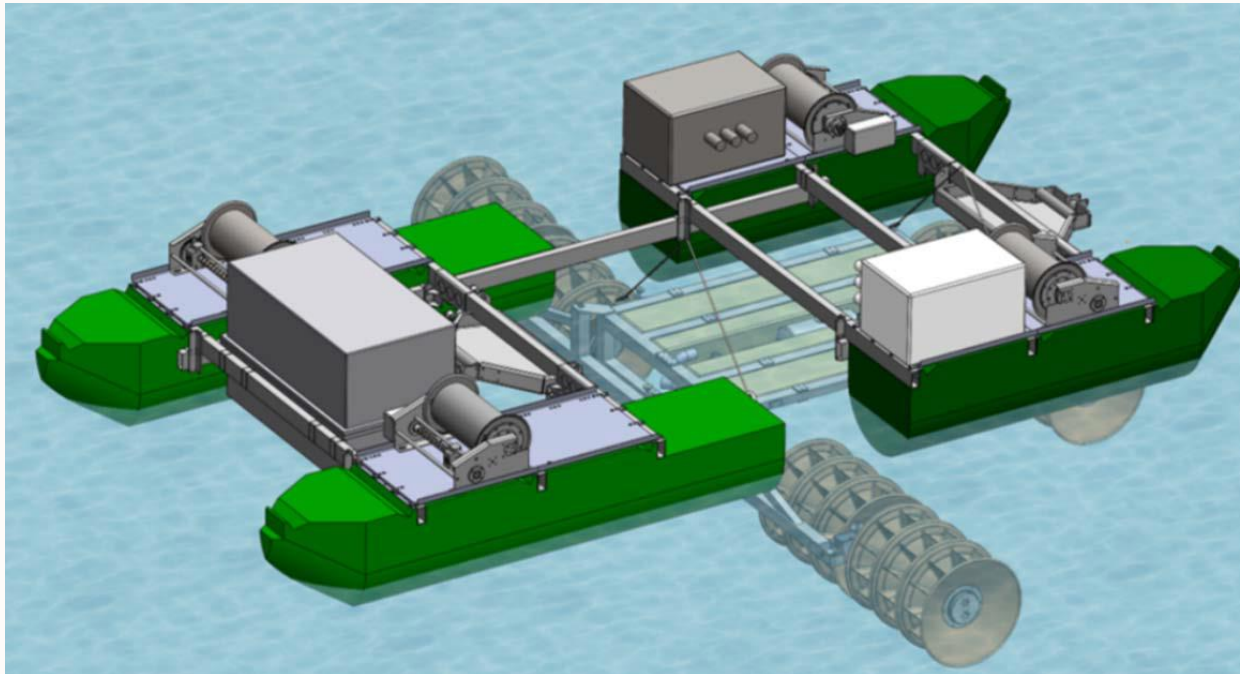


Development of "the Robot" for Sediment Dredging



Ulf Rickardsson team

Kalmarproduktutveckling



**Environmentally
friendly dredging**

Off-Shore Harvesting – eelgrass planting and measures

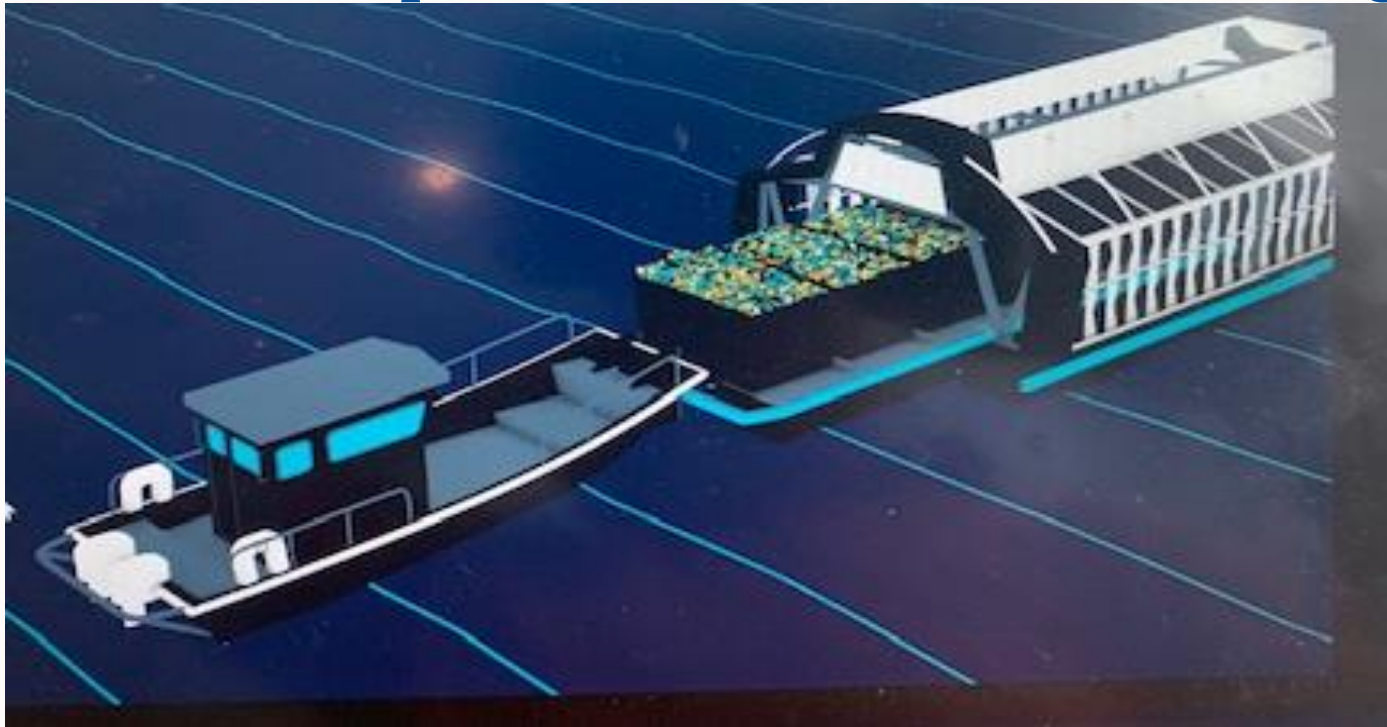


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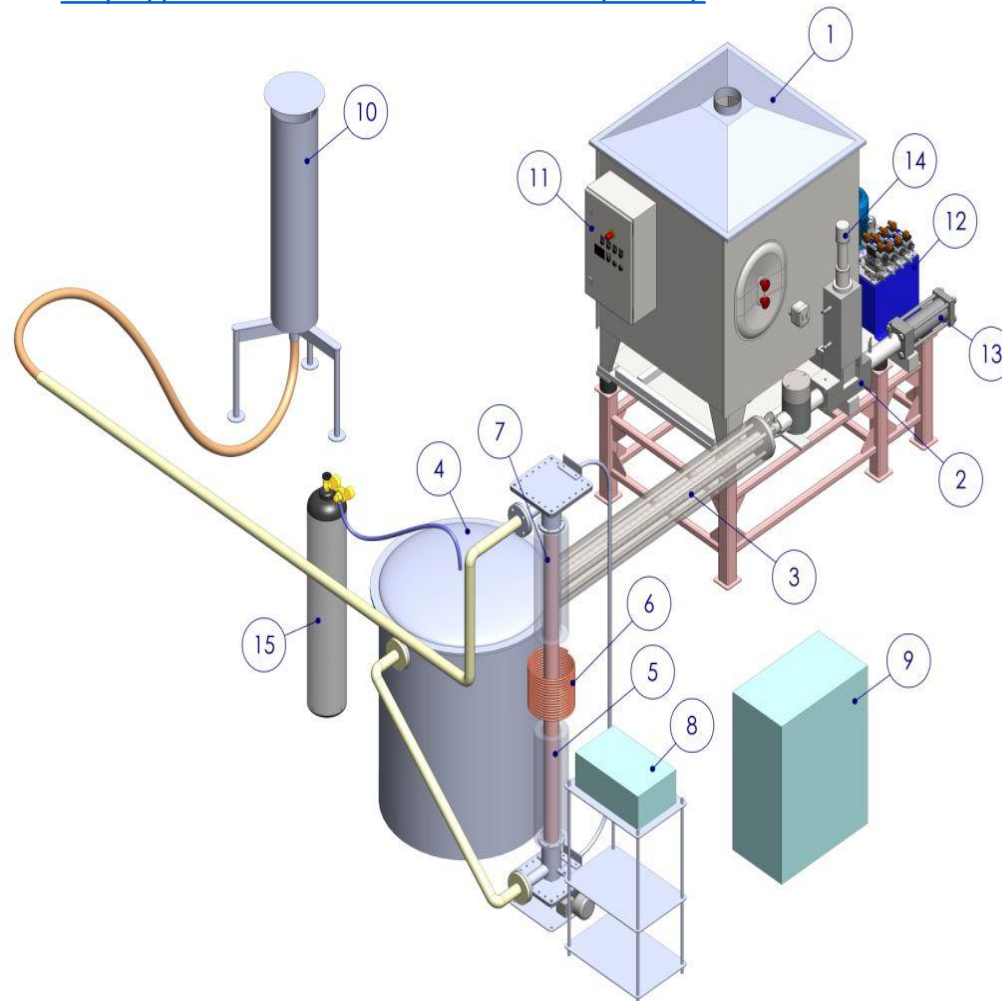
Off Shore Harvesting Plastics (OceanCleanUp)

How about plastic and Beach wrack/Algae?



<https://www.beachwrack-contr.eu/alrea/>

Experimental gasification plant



- | | |
|-----------------------------------|-------------------------------|
| 1. Feedstock bunker | 9. Inductive heater power box |
| 2. Hydrolic press feeder | 10. Flare |
| 3. Heated extruder | 11. Control cabinet |
| 4. Gas and char accumulation tank | 12. Hydrostation |
| 5. Secondary gas cracking | 13. Hydrocylinder |
| 6. External inductive heater | 14. Prior hydropresser box |
| 7. Gas cooler | 15. Nitrogen balloon |
| 8. Inductive heater resonator | |

*The Gasification reactor is located at
University of Latvia*

Thank you for your attention!



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