Eutrophication as an opportunity for multispecies water justice



The Mar Menor case

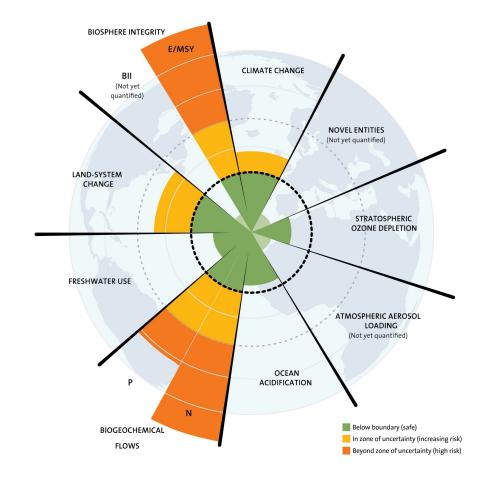
BASQUE CENTRE FOR CLIMATE CHANGE Klima Aldaketa Ikergai Sustainability, that's it!

Violeta Cabello, Paula Zuluaga, Marcela Brugnach

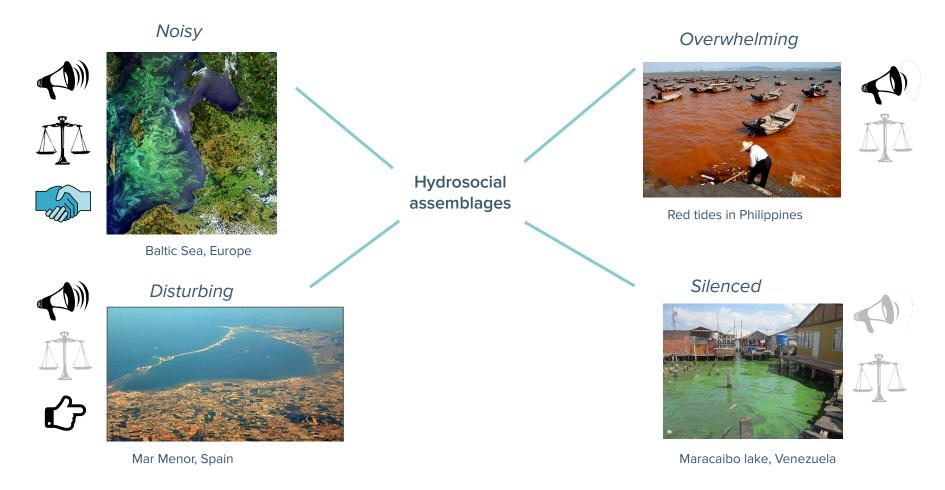


Eutrophication as a hydrosocial problem

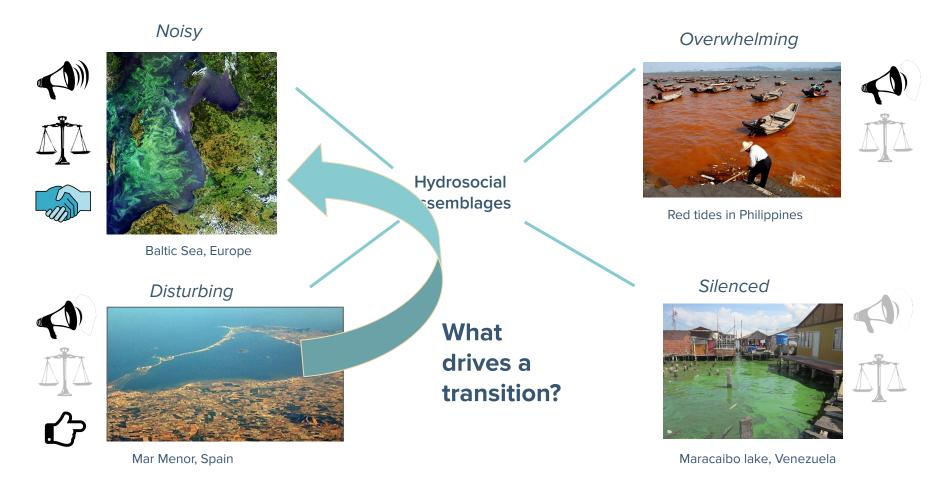
- Land-sea continuum?
- Local struggles
- Scientific controversies
- Local-global industrial networks
- Lack of effective public action



Levain, A., Barthélémy, C., Bourblanc, M., Douguet, J. M., Euzen, A., & Souchon, Y. 2020. Environment and Society: Advances in Research, 11(1), 115.



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The Mar Menor

135 km2, watershed 1270 km2

Sub-desert Mediterranean context (300 ppm)

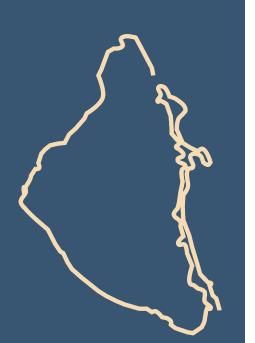
Biodiversity & tourist hotspot





Intensive export-oriented agriculture
Intensive urban development
Open mining, now abandoned
Floods

Scientificpolitical controversies



change

Current agriculture

What's origin of the nutrients?

Previous agriculture & other sources

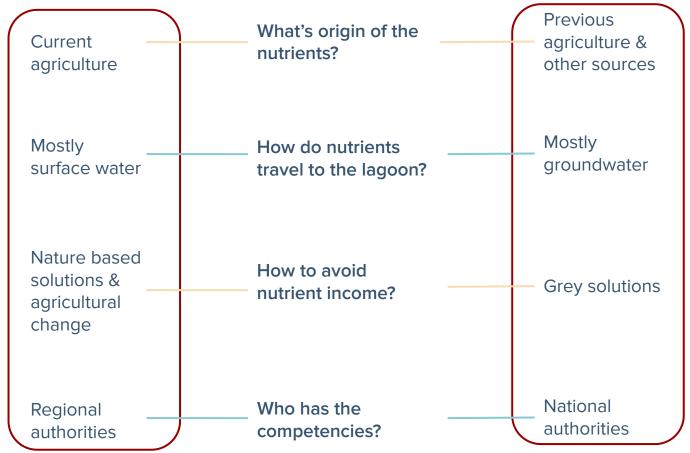
Mostly _____ How do nutrients ____ Mostly groundwater

Nature based solutions & How to avoid agricultural Grey solutions

Regional Who has the National authorities

Social conflict over the role of agriculture





The dilemma of non-point source pollution





Eutrophication is an underexplored wicked issue

The Mar Menor is a living-lab of transition between hydrosocial assemblages

Loss of aquatic animals may act as trigger for multispecies justice

Thanks!

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