

Shifting baselines revisited

Exploring pre-industrial climate and human impacts on marine ecosystems

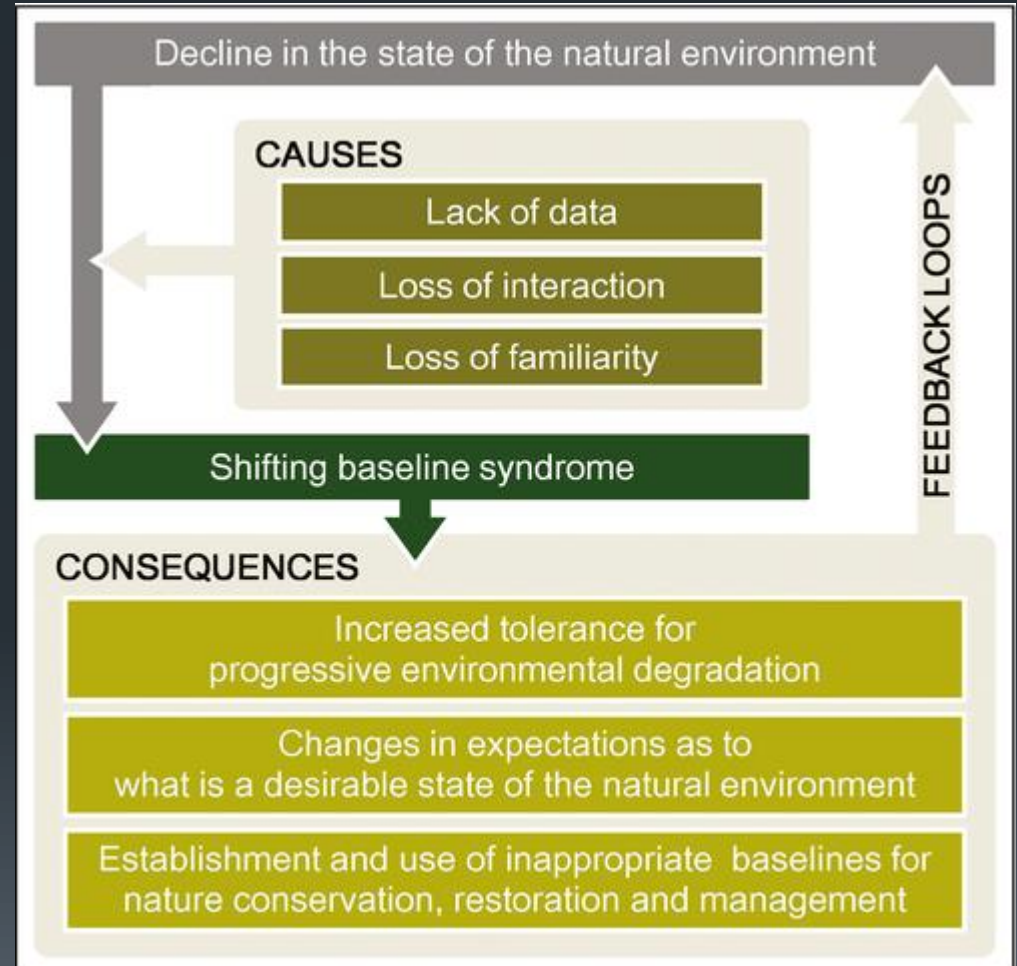
Konstantina Agiadi

University of Vienna

What was the pristine state of the Oceans?



McClenachan 2009



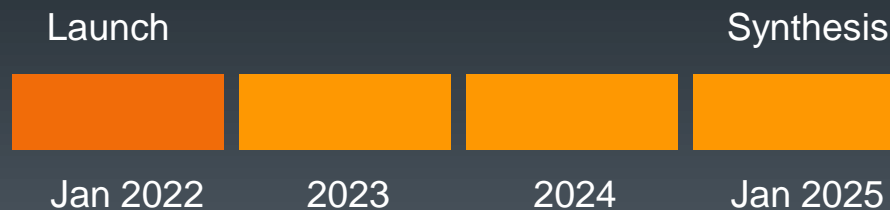
Soga & Gaston 2018



DISENTANGLING CLIMATE AND PRE-INDUSTRIAL
HUMAN IMPACTS ON MARINE ECOSYSTEMS



- 1) How did climate and humans affect marine ecosystems in the pre-industrial Holocene and in the Pleistocene?
- 2) When did humans start having a significant impact on the marine environment?
- 3) How can data from different sources be used to model marine ecosystems and how can this knowledge help to inform and assess environmental conservation targets?



Find us on <https://pastglobalchanges.org/science/wg/q-mare/intro>
and on twitter @Q_MAREwg

Watch out for our planned activities and public resources

- Online montly Seminar Series launched in May 2022
- Autumn 2023 – Stakeholder engagement meeting with educators and industry representatives to:
 - 1) channel knowledge on past marine ecosystems to public education,
 - 2) inform policy on the impacts of human activities on marine ecosystems before the industrial revolution and under different climatic extremes, and
 - 3) explore links to the tourism industry