

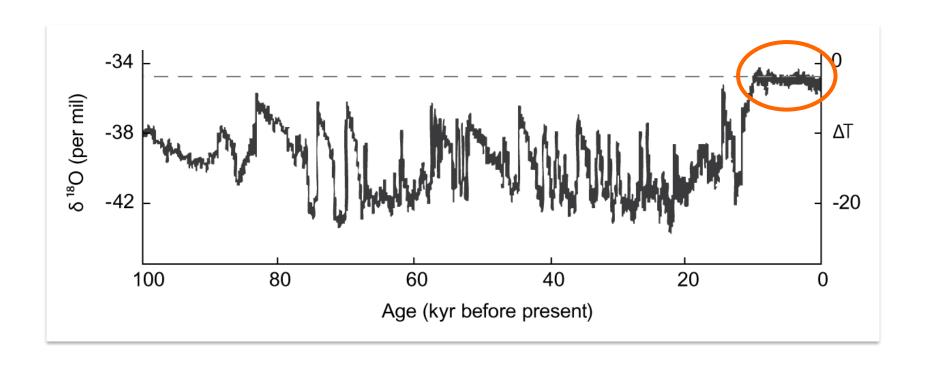
Resilience Thinking: the Need for New Perspectives

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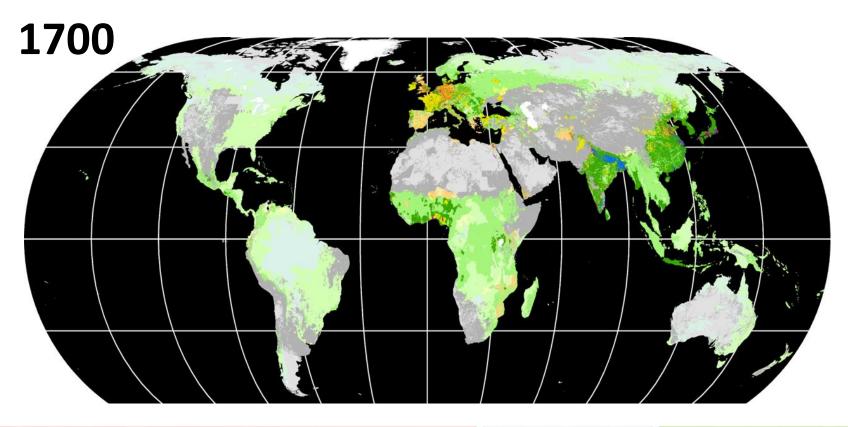
The Holocene - 10 000 years of grace

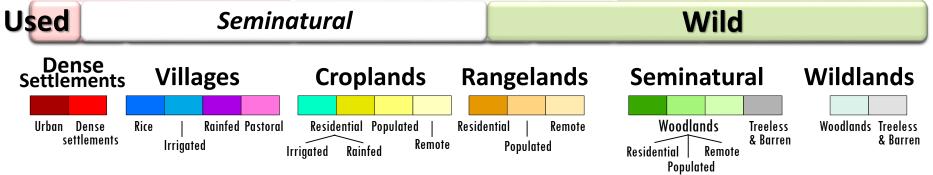
Stockholm Resilience Centre and Rockström and others, Ecology and Society 2009:14



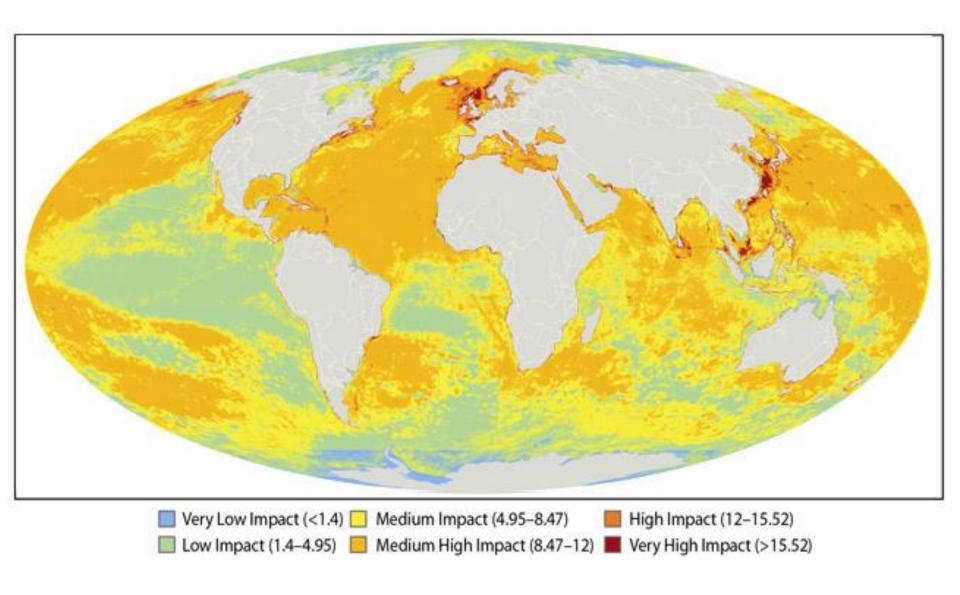


Scale – human dominated planet





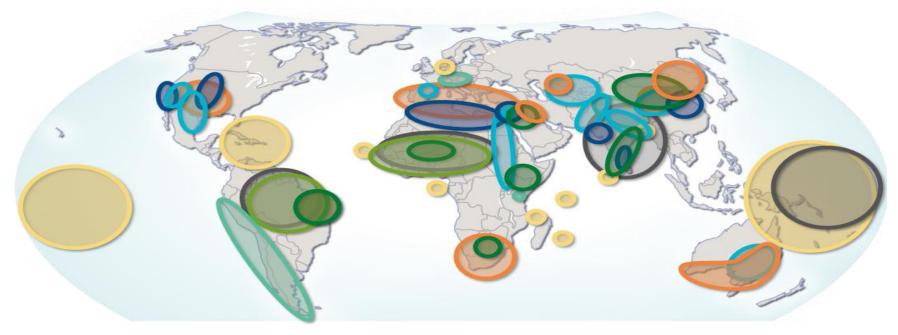
Spread – human dominated planet



Speed: The Great Acceleration



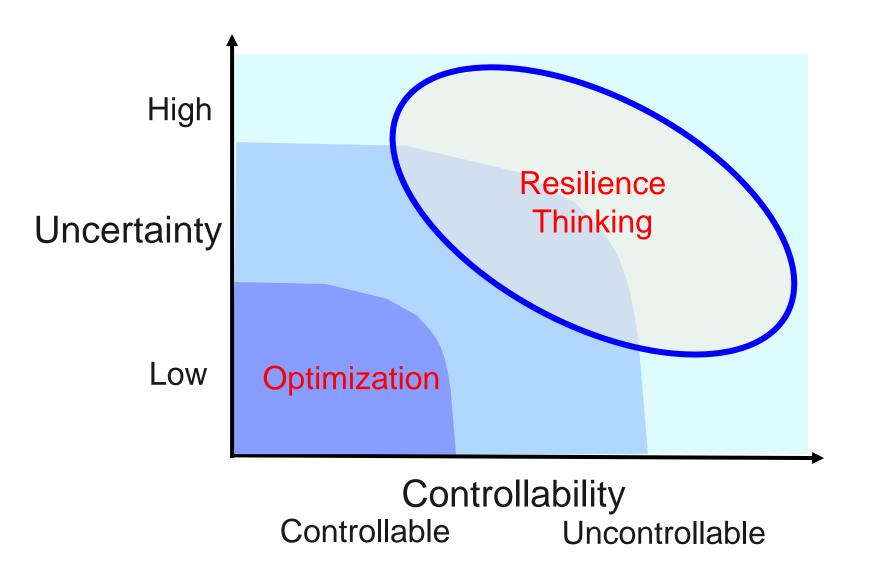
Connectivity: Water related Tipping Elements in the Earth system

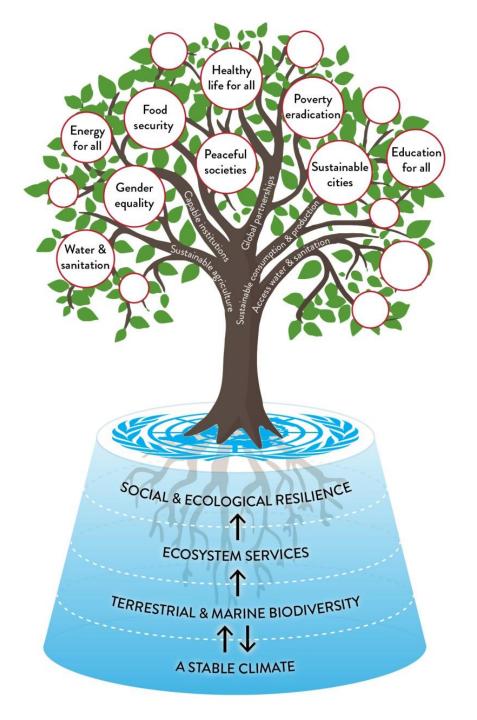


Water related possible tipping points

- Deforestation moisture feedback
- Land mismanagement (e.g. soil loss, land degradation)
- Salinisation
- Glacier melt
- 00000 Groundwater collapse
 - River basin closure/river depletion
- Regional processes
- Sea level rise and salt water intrusion
- Drastic rainfall regime change

Building Social-Ecological Water Resilience: for an uncertain and uncontrollable world





Natural Alternatives to Water storage



Thank you!



www.globalresiliencepartnership.org

The Global Resilience Partnership is an open alliance of public and private organisations working together to help millions of vulnerable people better adapt to shocks and stresses, and invest in a more resilient, prosperous and sustainable future.

The GRP Secretariat is hosted by the Stockholm Resilience Centre.