









From a small world on a large planet ...





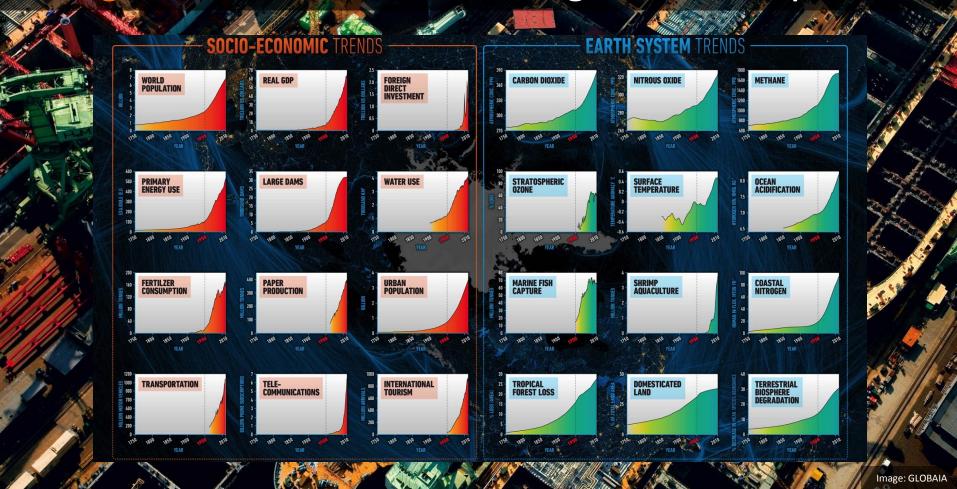


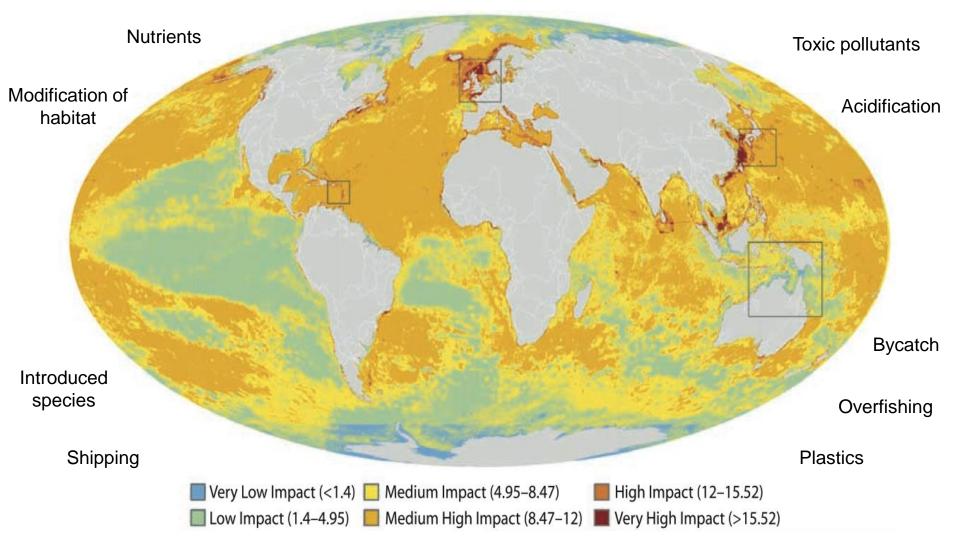
Living Planet Report - The trajectory for the future decline of vertebrate wildlife populations is 67% by 2020





The great acceleration and the global food system











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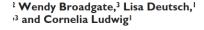






Dating the Anthropocene: To an empirical global history of transformation of the terrest

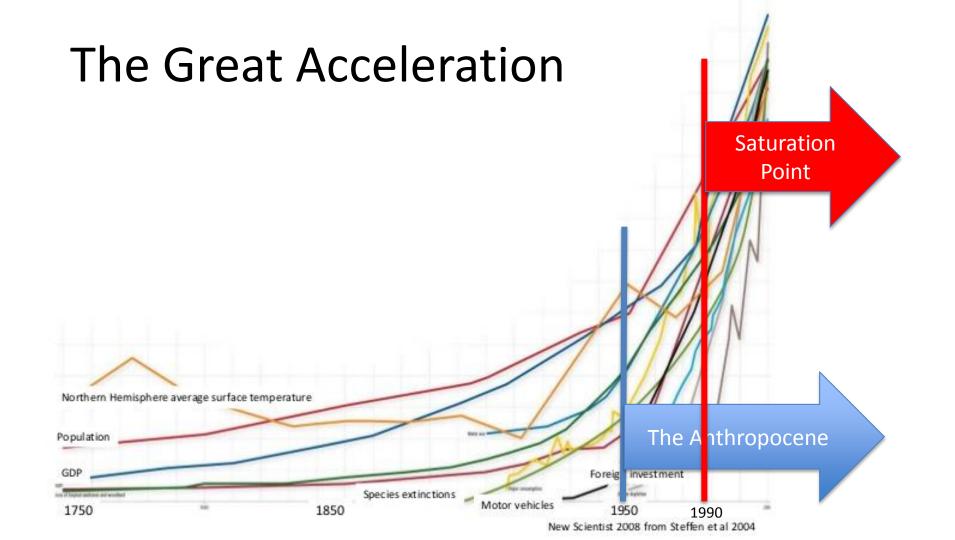
Erle C. Ellis 1* Dorian Q. Fuller 2 • Jed O. Kaplan 3 • Wayne G. Lutters 4



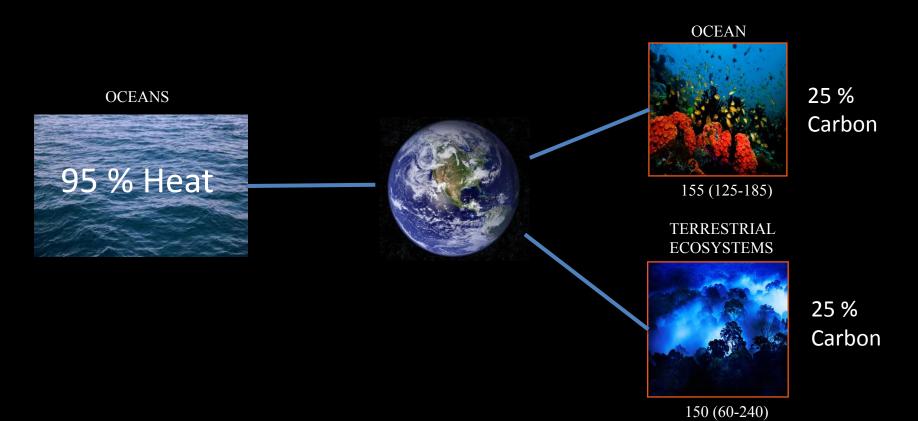
e Anthropocene biosphere

k Williams, ¹ Jan Zalasiewicz, ¹ PK Haff, ² istian Schwägerl, ³ Anthony D Barnosky^{4,5,6}

and Erle C Ellis7



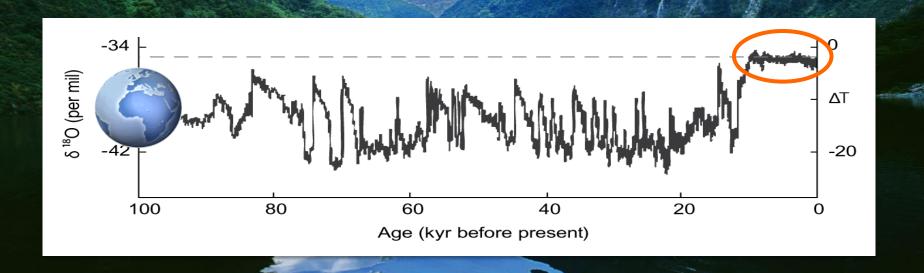
Earth Resilience Critical for Humanity's Future Are we Tipping from Friend to Foe?





The Holocene - Humankinds 10 000 years of grace

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





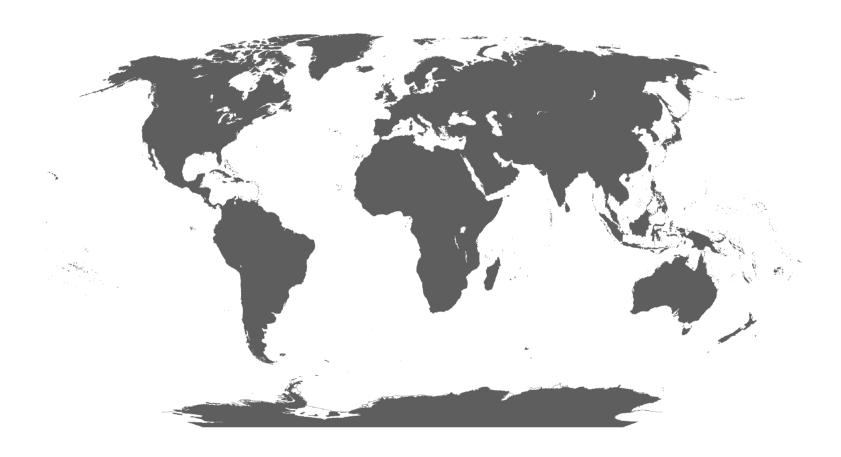
Earth System tipping points



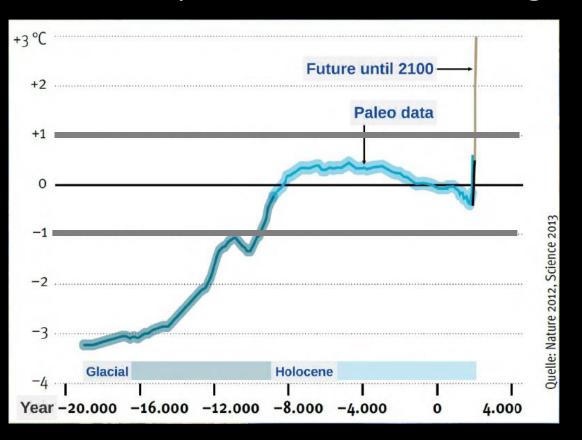




Global Tipping Points



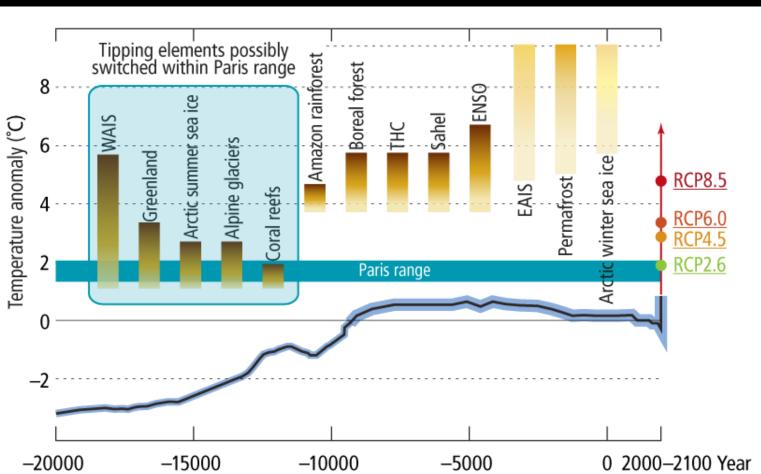
Global Temperature Since last Ice Age



Adapted by Stefan Rahmstorf

Tipping Points & the Paris Agreement

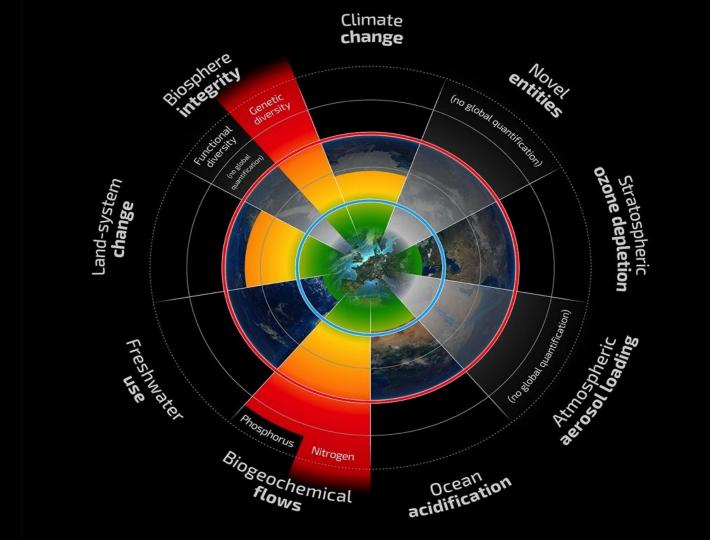
Sources: Adapted from Schellnhuber et al. (2016). Nature Climate Change

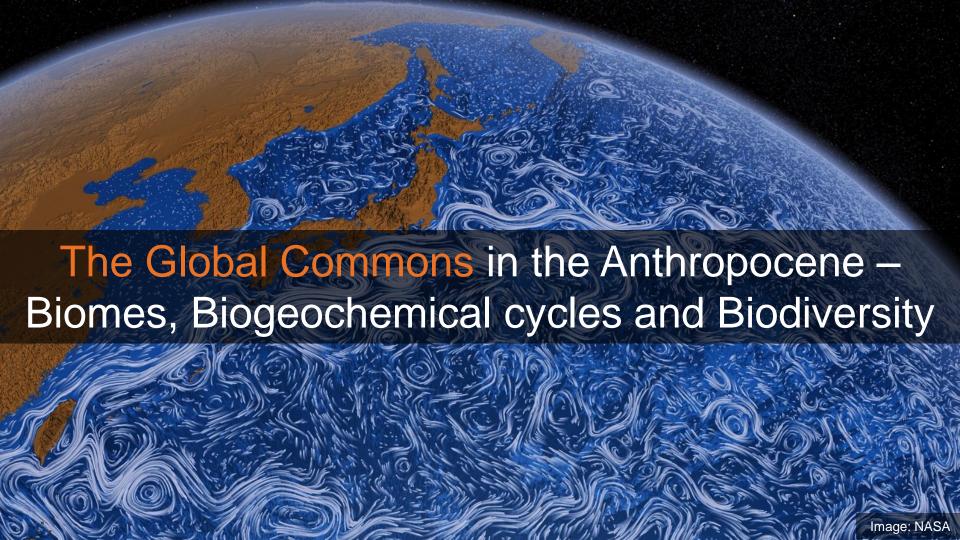




Anthropocene Holocene Tipping Points **Planetary Boundaries**







PRINCIPLES FOR GLOBAL COMMONS IN THE ANTHROPOCENE



Principle 1: The inclusivity principle

The Global Commons are not external to human activity; they are internal to development at all scales and need to be treated inclusively









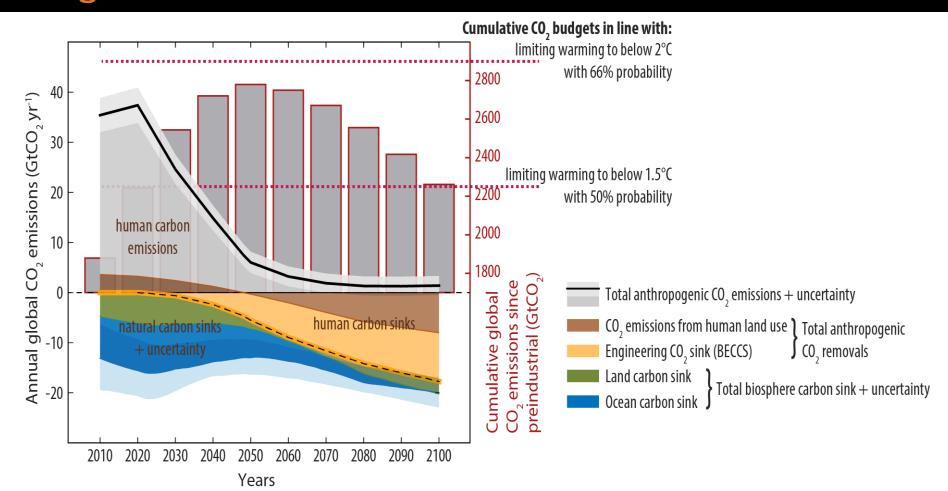
CLIMATE POLICY

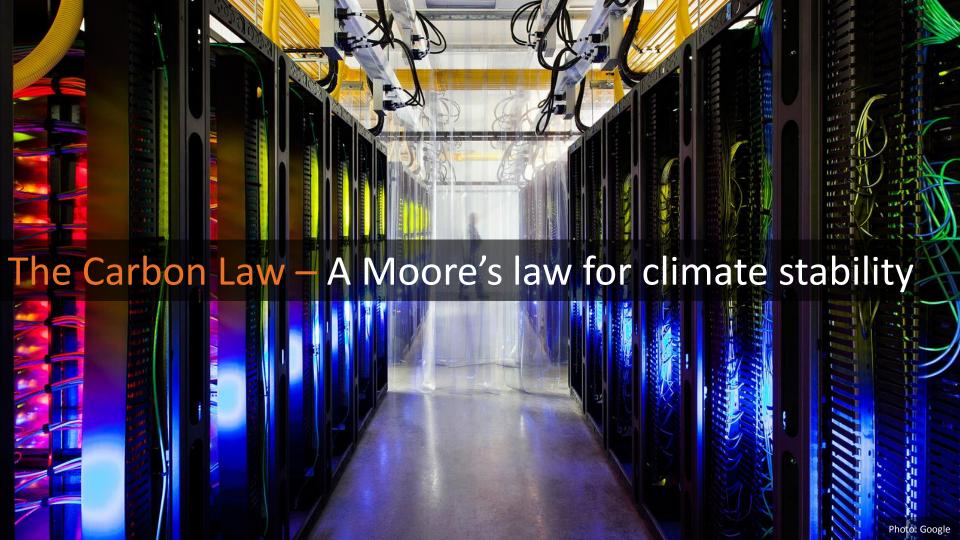
A roadmap for rapid decarbonization

Emissions inevitably approach zero with a "carbon law"

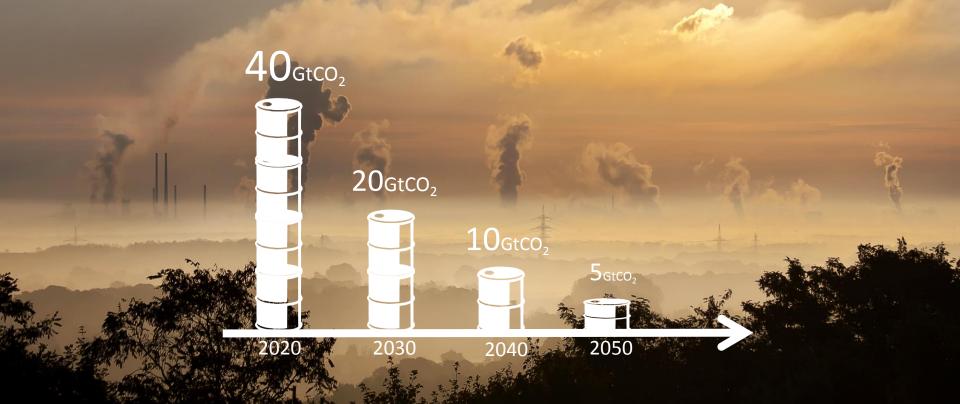
By Johan Rockström, 1 Owen Gaffney, 12 Joeri Rogelj, 34 Malte Meinshausen, 5,6 Nebojsa Nakicenovic, 4 Hans Joachim Schellnhuber 1,5 pose framing the decarbonization challenge in terms of a global decadal roadmap based on a simple heuristic—a "carbon law"—of halving gross anthropogenic carbon-dioxide (CO₂) emissions every decade. Comple-

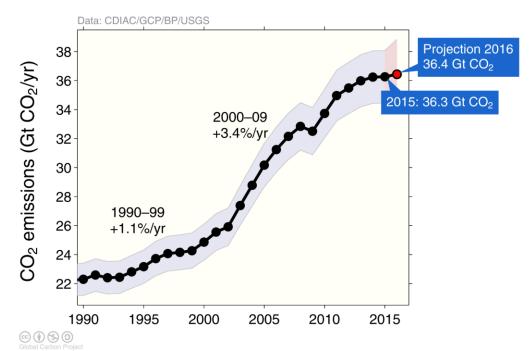
A global transformation – to a safe climate future





A Global Carbon Law Halving Emissions Every Decade

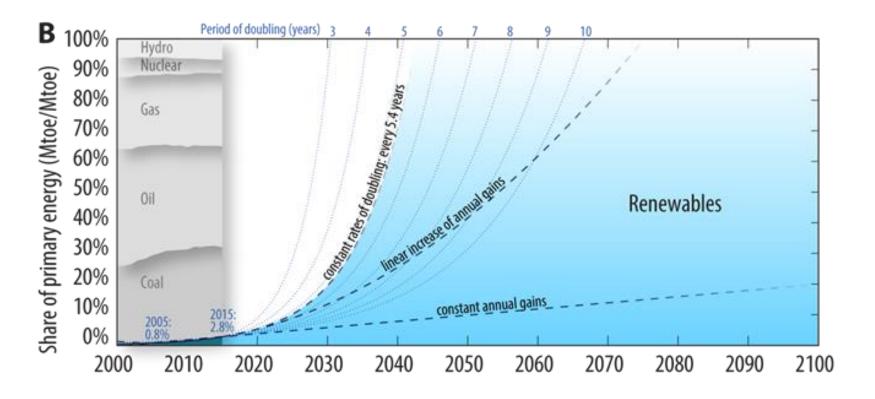






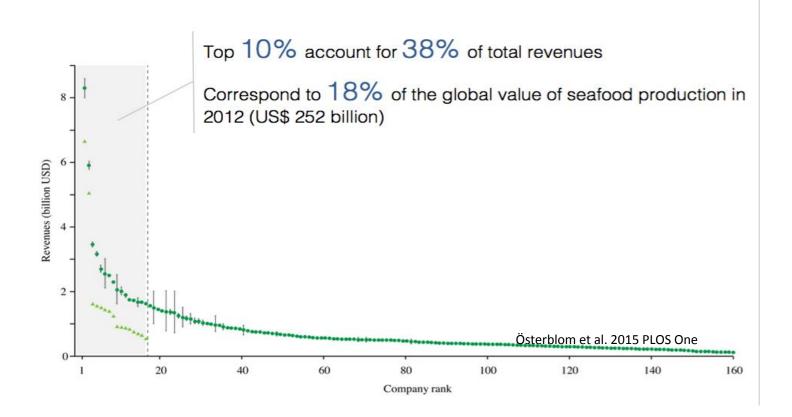
2016 Global Carbon Project

Where Exponential trajectories on Renewable Energy will take us

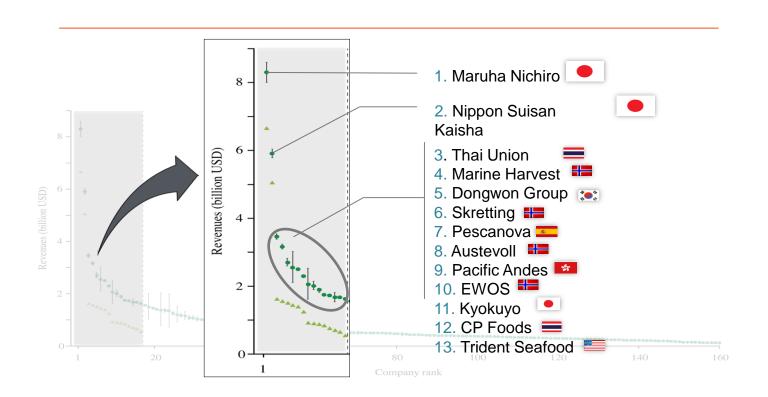


(Rockström et al., 2017 in review)

Concentration in the seafood industry



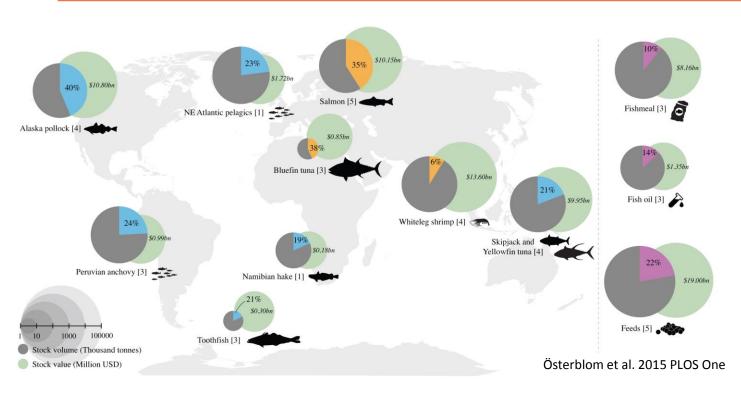
Who are the "keystone" actors?



How much do they produce?

Catch 11-16% of global marine catch

Control 19-40% of several of the world's largest or most valuable capture fisheries



The Soneva Dialogue

Transformative Risks and Opportunities for the Global Seafood Industry

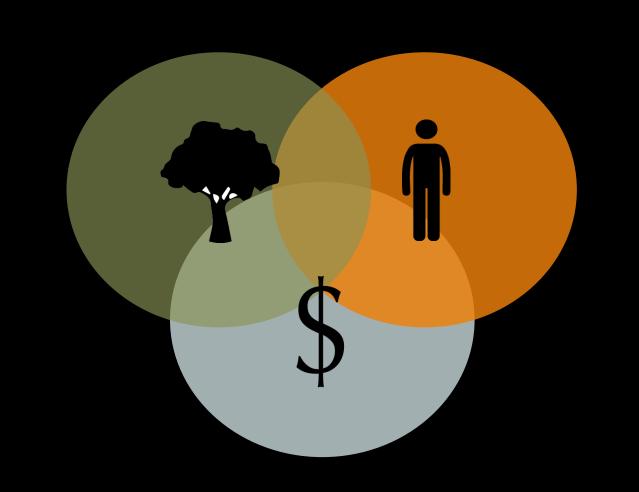


A Stockholm Resilience Centre event supported by Forum for the Future and hosted by the Soneva Foundation.

> 11 - 13th November 2016, Soneva Fushi, Maldives

forum for the **future**





SUSTAINABLE GALS DEVELOPMENT GALS





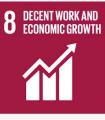






















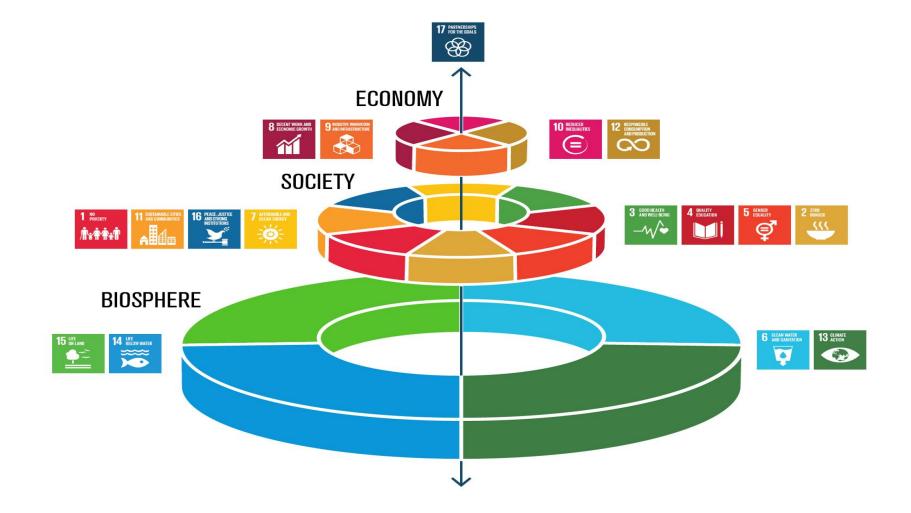


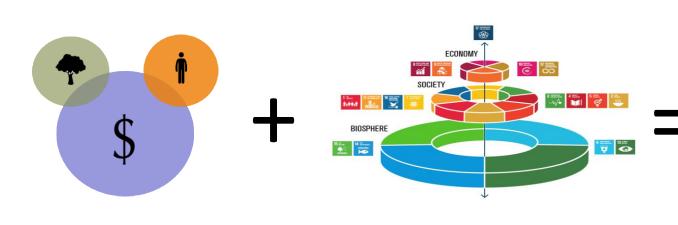












Reconnecting World Development with Global

Commons

The World In 2050

