Visions for nature and nature’s contributions to people for the 21st century

Carolyn Lundquist
IPBES Expert Group on Scenarios and Models

#NatureFutures

www.ipbes.net
Scenarios can help us explore societal-ecosystem interactions.
IPCC Shared Socio-economic Pathways: Global BES assessment

**SSP1: Sustainability**
- Global cooperation
- Rapid technology development
- Strong environmental policy
- Low population growth
- Low inequality
- Focus on renewables and efficiency
- Dietary shifts
- Forest protection

**SSP2: Middle of the Road**
- Markets first
- Clash of civilisations

**SSP3: Regional rivalry**
- Competition among regions
- Low technology development
- Environment and social goals not a priority
- Focus on domestic resources
- High population growth
- Slow economic growth in developing countries

**SSP4: Inequality**
- Inequality across and within regions
- Low technology development
- Environment priority for those that can afford
- Limited trade

**SSP5: Fossil fuel-led development**
- Rapid growth, free trade
- High technology development
- Environment and social goals not a priority: adaptive, technology-fix
- Focus on economic growth

Challenge to mitigation

Challenge to adaptation

O’Neill et al. 2017 Climate Change
Why do we need new scenarios?

Scenarios are available, and useful tools for policy support, but:

• Most global scenarios are limited to assessing the impact of drivers on Biodiversity and Ecosystem Services
• Most global scenarios are developed for other purposes, e.g. climate change and its impacts
• Most global scenarios lack a participatory approach.

IPBES Expert Group tasked with catalyzing next generation of biodiversity scenarios

https://www.ipbes.net/deliverables/3c-scenarios-and-modelling
“Visioning Nature Futures” Workshop
4-8 Sep 2017, Auckland, New Zealand

• 75 participants, 31 countries
• Scientists and social scientists, governments, industry, local communities, indigenous peoples, IGOs, NGOs

• Development of seven positive nature futures, including one ocean vision

Lundquist and 74 co-authors. 2017. Visions for nature and nature’s contributions to people for the 21st century. NIWA Science and Technology Report No. 83. [https://www.niwa.co.nz/naturefutures]
Mapping visions across dimensions and drivers

IPBES Nature Futures Framework

Nature for Nature
Intrinsic value of nature
Space allocated for nature

Emerging perspectives on human relationships with nature

Nature as Culture
Living in harmony
People one with nature

Nature for Society
Nature’s benefits to people
Ecosystem services

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Relation between visions and perspectives

Lundquist et al. (Submitted). A pluralistic Nature Futures Framework for policy and action. Science (Policy Forum)
From the Nature Futures Framework to Scenarios

Lundquist et al. (Submitted). A pluralistic Nature Futures Framework for policy and action. Science (Policy Forum)
Thanks to everyone who attended the Visioning Global Ocean Futures workshop (Saturday)!

For more information, find me at Poster 148