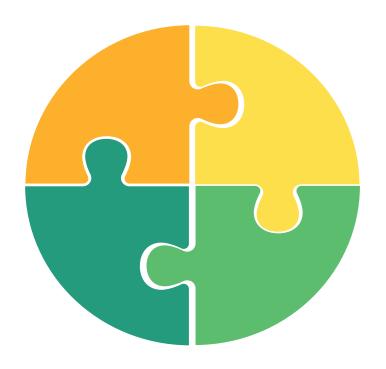


Putting the moana at the centre of decision-making

- Enhancing EBM practices: exploring structures that enable (or don't) different kinds of practices and policies to emerge
 - Operationalising EBM from theory into practice
 - Governance frameworks, policies, laws, practices across multiple scales
 - Worldviews, values and knowledges

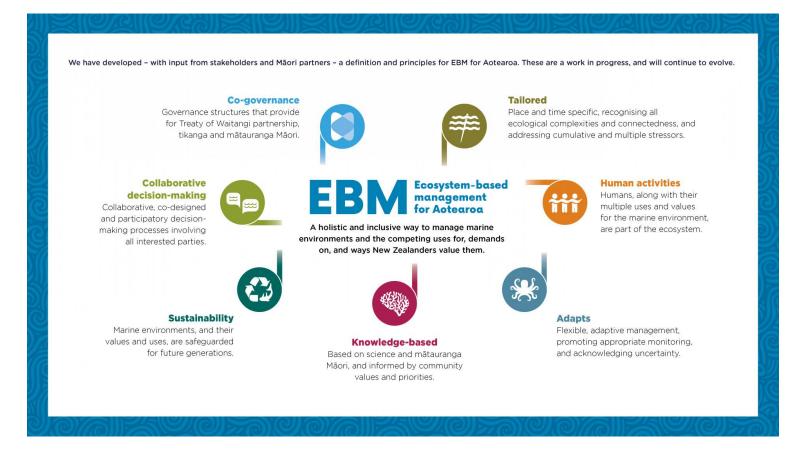


Putting the moana at the centre of decision-making

 Investigating practices to positively transform the marine environment, and people's relationship with it



Putting the moana at the centre of decision-making







Context

- Tensions and stressors afflicting our marine environment.
- Mounting momentum towards sustainability, sensitivity to nonfinancial factors, social licence to operate.
- Exploring a more holistic approach something that indigenous peoples have been doing for centuries.
- Traditional management concepts defined by tikanga Māori and guaranteed under Article II of Te Tiriti.
- The way forward lies in our whakapapa, governance and management practices.



Our Research

- Identify barriers to giving effect to Te Tiriti and tikanga Māori.
- Develop modern governance model options, based on tikanga Māori and Te Tiriti.
- 4 Phases
 - Develop a tikanga –based framework to guide our research
 - Investigate 5 Focus Areas
 - Design governance options
 - Develop transitional pathways

Our Team

- Beth Tupara-Katene Kairangahau matua
- Horiana Irwin-Easthope Kairangahau
- Te Puoho Katene Kairangahau
- Toni Love Kairangahau
- Nicki Douglas Kairangahau
- Josie Te Rata Kairangahau
- Moana Kennedy Kaiawhina



Success Factors

- Practical ways to give effect to Te Tiriti within the marine environment.
- Activities and outputs contribute to Māori participation in governance of the marine area.
- Tikanga Māori and mātauranga Māori acknowledged and recognised.
- The ability to disseminate research outputs to a wide audience, underpinned by tikanga-based communication methods.



Tangaroa Ararau

Ka hikimata te tapuae o Tangaroa, Ka whaimata te tapuae o Tangaroa. Tangaroa! Ka haruru!

The trails of Tangaroa rise and flow, the trails of Tangaroa resound!

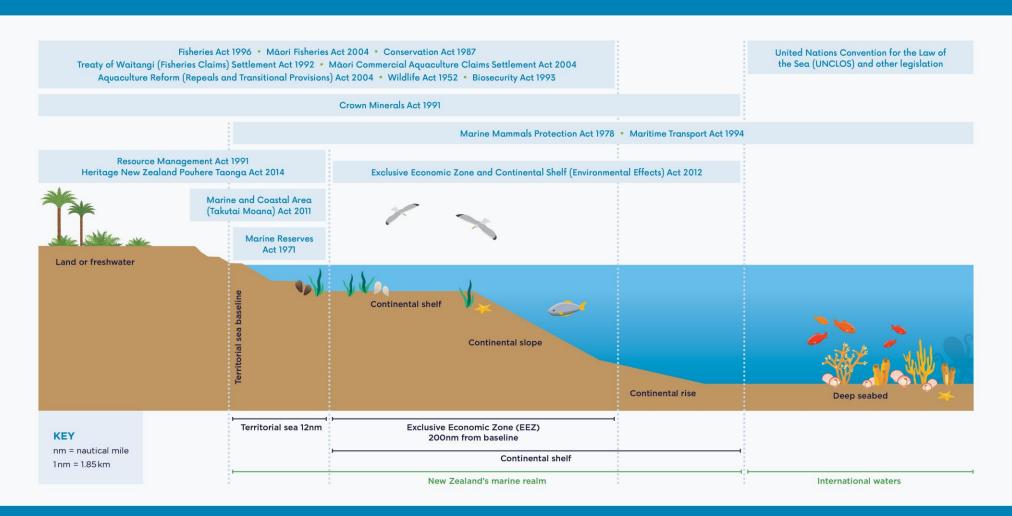




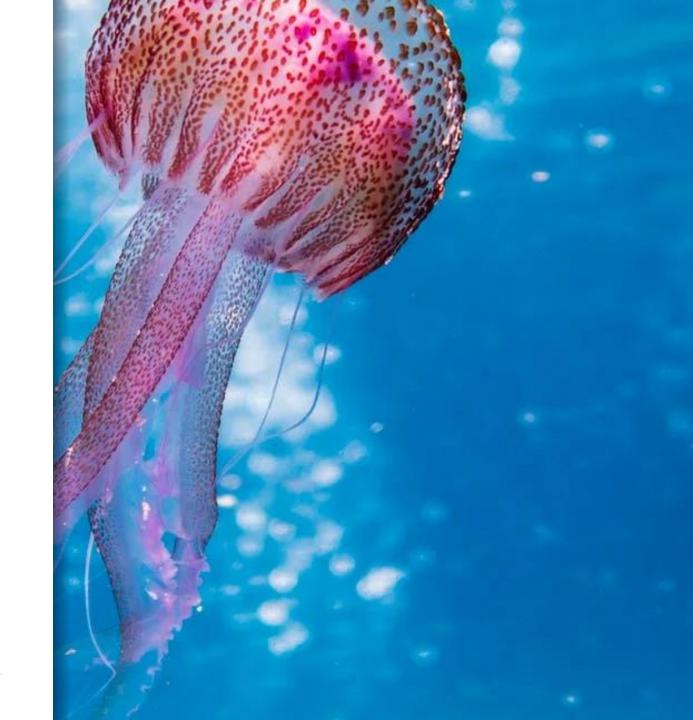
Designing marine law and policy for the health and resilience of ocean and coastal ecosystems Project 4.2 Law and Policy for EBM Dr Elizabeth Macpherson and Eric Jorgensen elizabeth.macpherson@canterbury.ac.nz

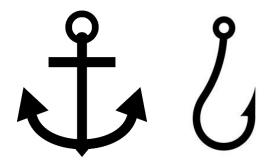
Aotearoa New Zealand's key marine legislation

This graphic shows key pieces of legislation for protecting the marine environment and managing its resources. It is not an exhaustive list of all national and international legislation in the marine space, nor does it depict the numerous rules and regulations in the legislation.



How can law and policy reflect the living and interconnected nature of ocean ecosystems?



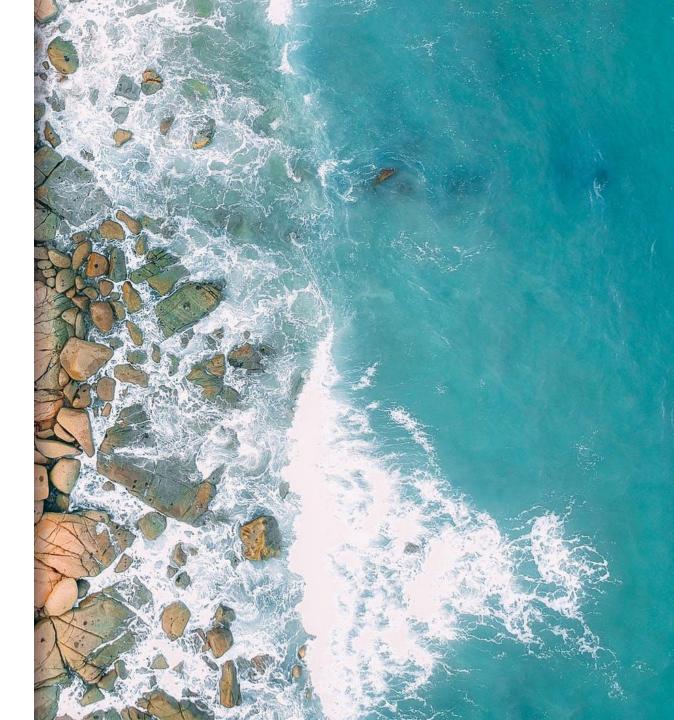


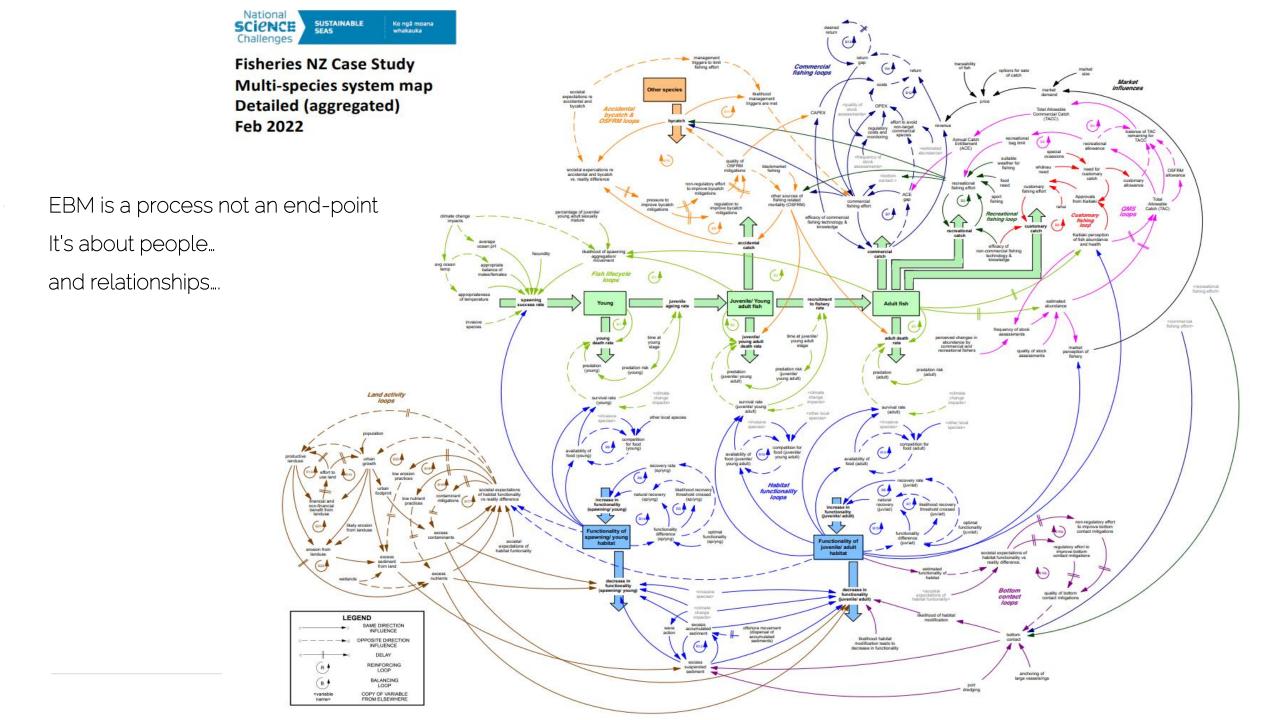
high-level norm-setting (anchors)

+

Consistent rule and institution-making (hooks)

Elizabeth Macpherson et al, "Hooks" and "Anchors" for Relational Ecosystem-Based Marine Management' (2021) 130 Marine Policy 104561, 3





What's next? Barriers and Opportunities for EBM in Aotearoa

Key Management Foci

Environmental Effects Coastal Area Rights Regional Planning Marine

Key Inputs

Existing law and policy

- Fisheries Act, RMA, Conservation Act, Takutai Moana Act, NZCPS, Te Mana o te Taiao,

Law reform and new research/reports

- NBA, Fisheries reform, MPA reform, PCE reports, PMCSA report, EDS reports

Case law developments

- | TT
- Northland regional planning appeals
- BOP MACA determinations

Co-development input

- Central Govt Agencies
- SIG Network
- Industry Groups

Case Studies

- FNZ (Multi-species complexes)
- Ngāti Whakahemo/Motunau Island
- Te Patuwai/Motiti

Other Sustainable Seas Projects

- Phase I and early Phase II outputs
- Theme 4 projects; Tangaroa Ararau, Enabling Kaitiakitanga and EBM & Understanding and communicating implications of scales for EBM

Research and Analysis Foci

Producing evidence-based findings and identifying opportunities for law and policy

Discuss and evaluate findings:

- 7 Principles of EBM (spirit)
- Hooks and Anchors
- Relationships between ocean, people and institutions
- Treaty rights and interests
- Scale challenges

subsequent research output focus

Just Transitions in EBM Design and Implementation



Eric Jorgensen



Liz Macpherson



Karen Fisher



Adrienne Paul



Judi Hewitt



Andrew Alison



Hamish Rennie



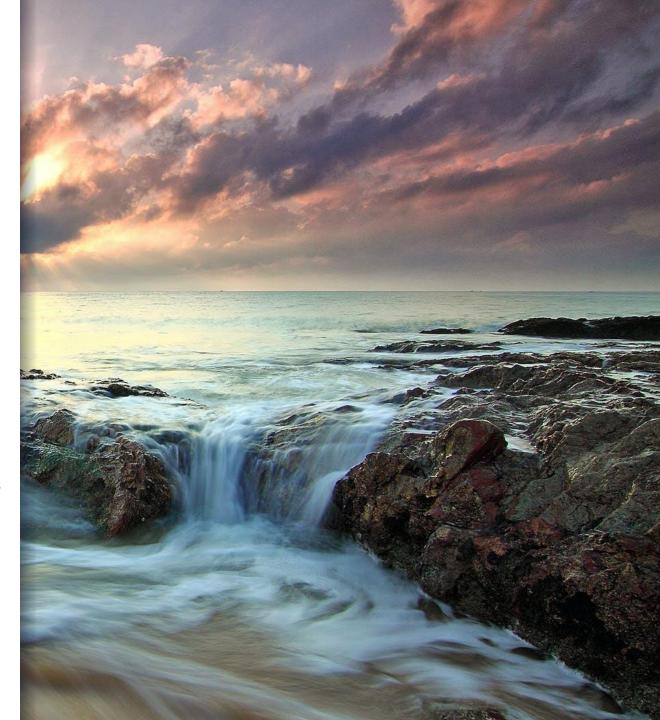
Julia Talbot-Jones

https://www.sustainableseaschallenge.co.nz/our-research/policy-and-legislation-for-ebm/

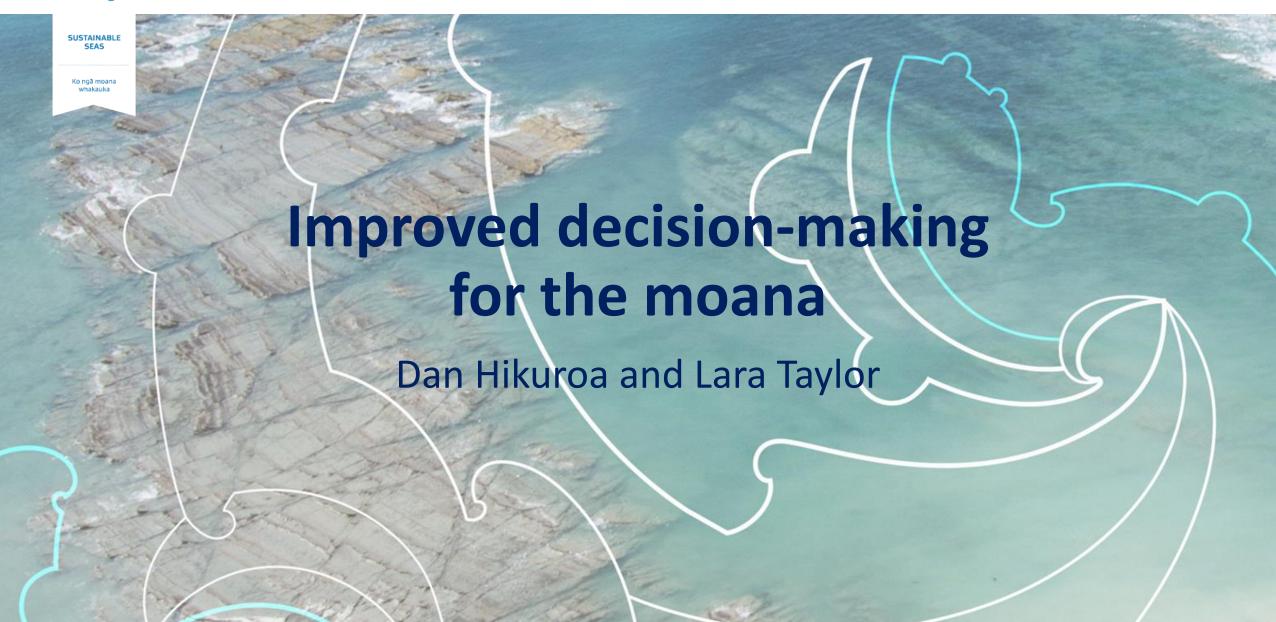


SUSTAINABLE SEAS

Ko ngā moana whakauka



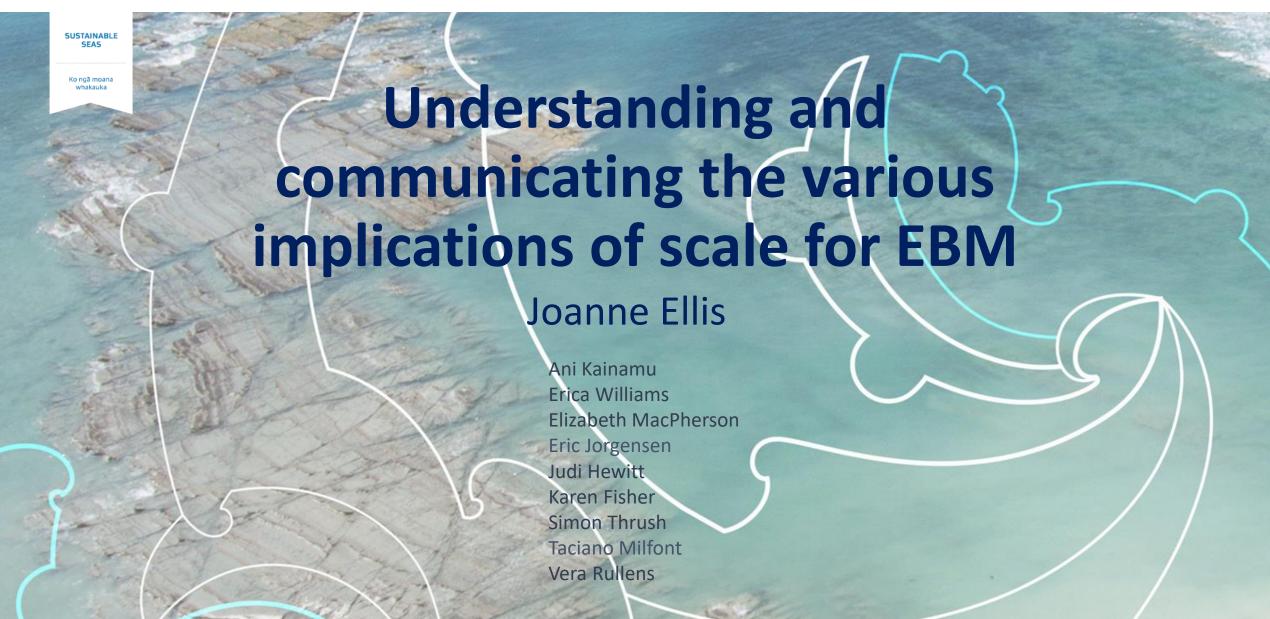




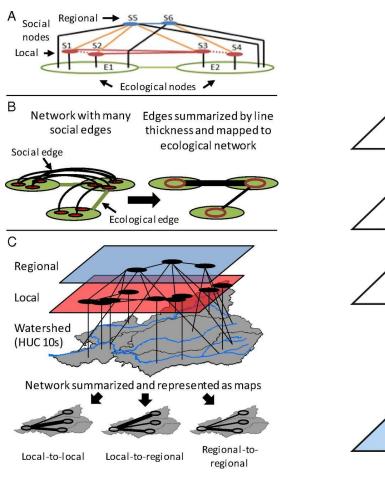


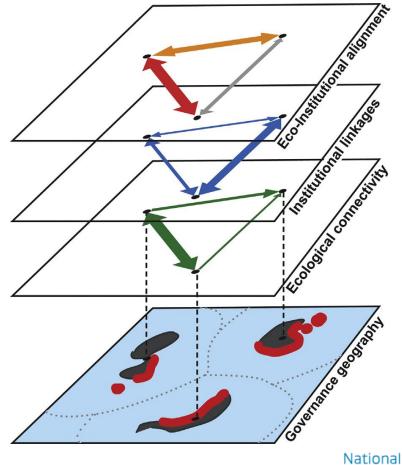






Scale and EBM





From Treml et al 2015

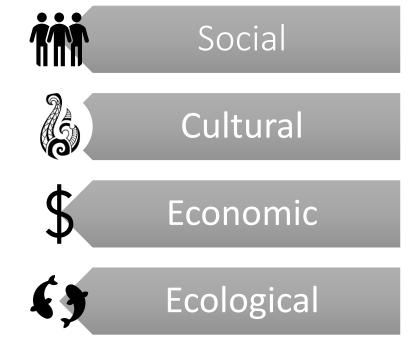
SUSTAINABLE SEAS

Challenges

Ko ngā moana whakauka

Interpretations of scale

- ➤ Generally utilised space and time scales by whanau, hapū, communities, iwi, local and national government
- Scales of environmental variability and ecological responses to cumulative effects
- Shifts in cultural values and management practices with scale



Analysis of scale dependencies

The use of mātauranga and tikanga to initiate marine recovery

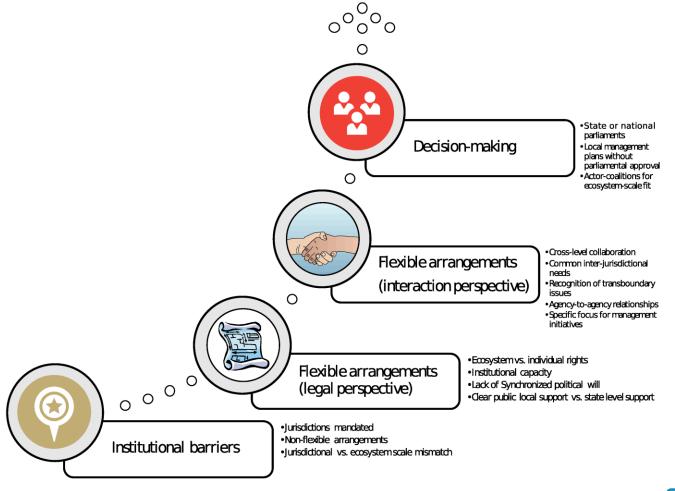
- Will explore the use of mātauranga and tikanga to initiate recovery of marine areas
- This review will also seek to identify where barriers to action occur and possible ways to navigate the restrictions





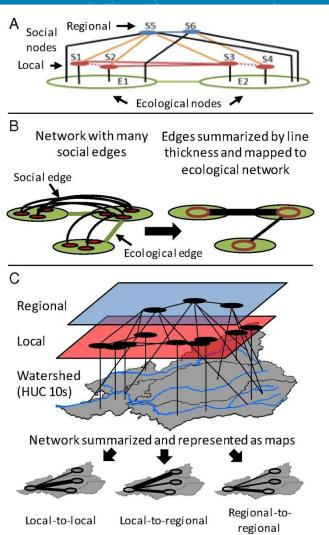


Analysis of scale dependencies Importance of legal and policy frameworks





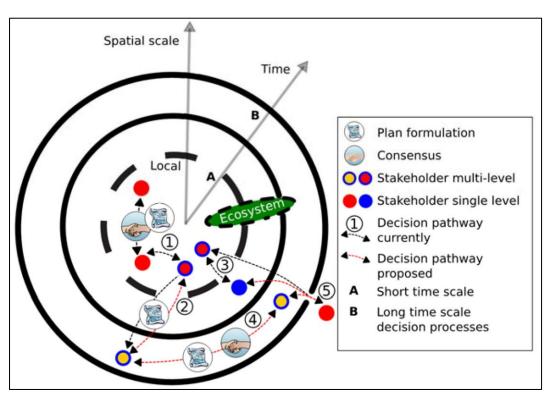
Analysis of scale dependencies Scales at which end-users apply





Creating visual summaries







From Nanda et al 2018

