



Ecosystem service arguments and different modes of governance

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Motivations and arguments to act for biodiversity:
Alternative ways to inspire innovative policy making
BESAFE, BIOMOT and BIOGOV
Les Ateliers des Tanneurs, Brussels, 10-11 June 2015



Arguments for biodiversity conservation

- Science and intrinsic value arguments

- But disappointing outcomes

→ **Ecosystem services**

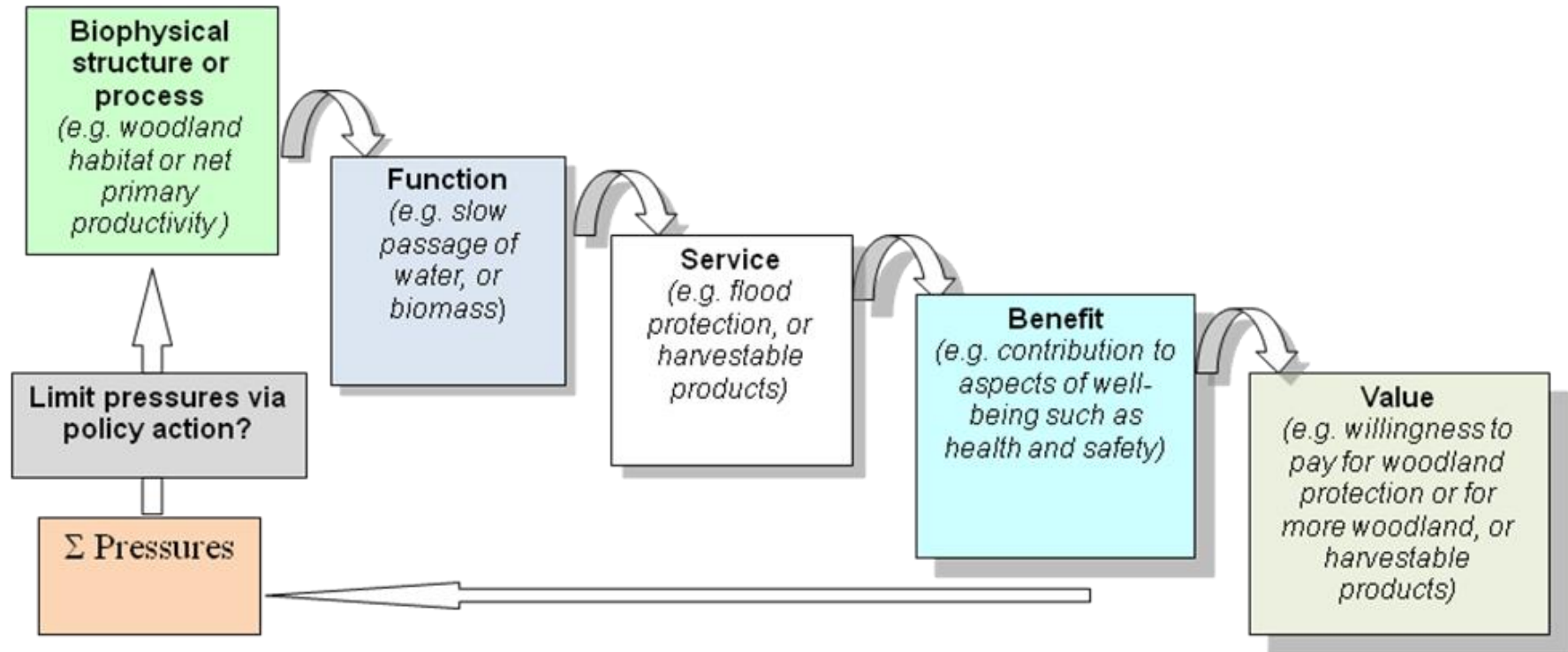
- Complexity & systemic interactions
 - Humans
 - Benefits
 - Decision-making

→ **Governance?**



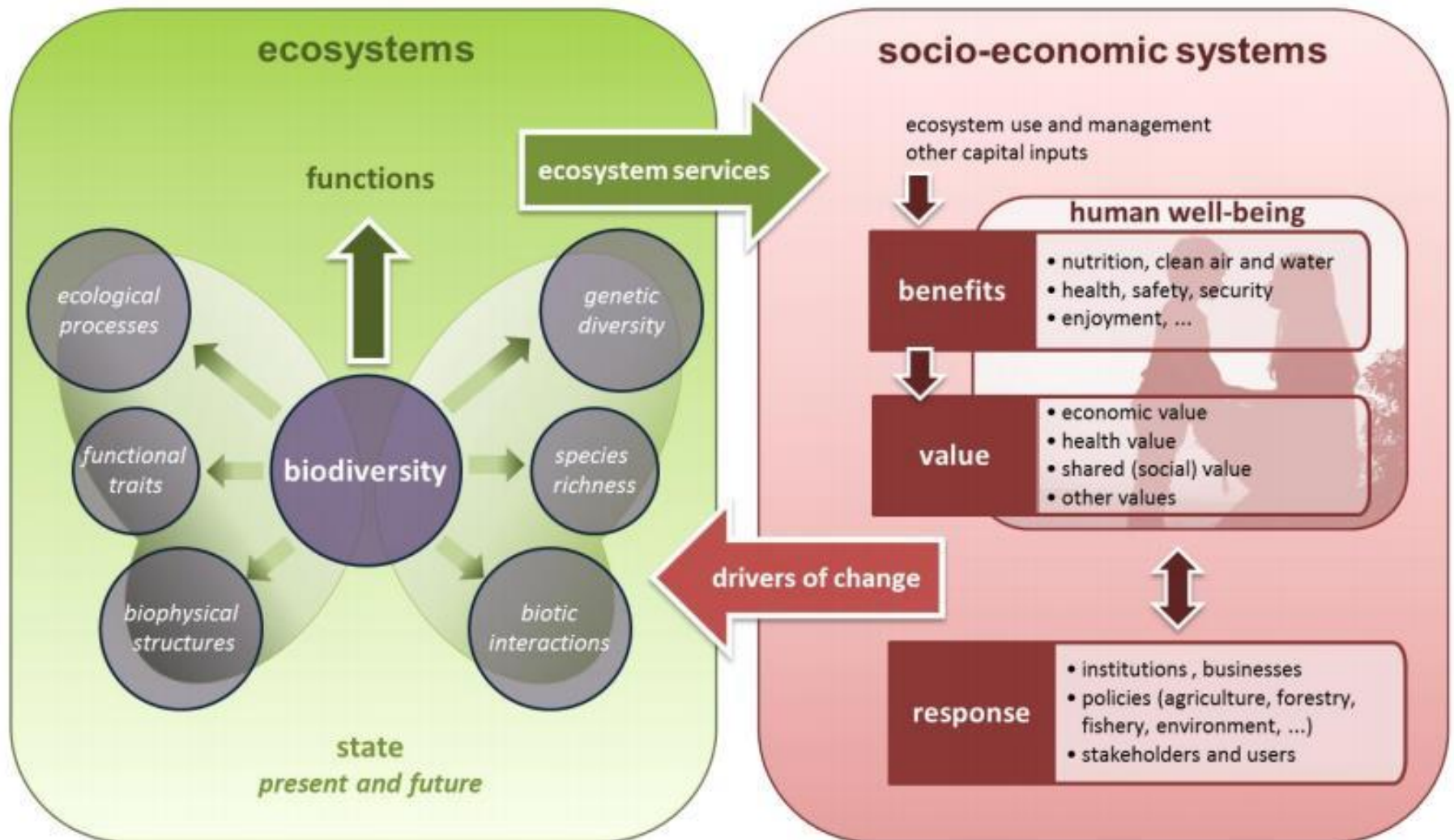


A conceptual framework for ecosystem services



Haines-Young, R. & Potschin, M. (2010): The links between biodiversity, ecosystem services and human well-being. In: Raffaelli, D. & G. Frid (eds): Ecosystem Ecology: a new synthesis. BES Ecological Reviews Series, GCP, www.besafe-project.net

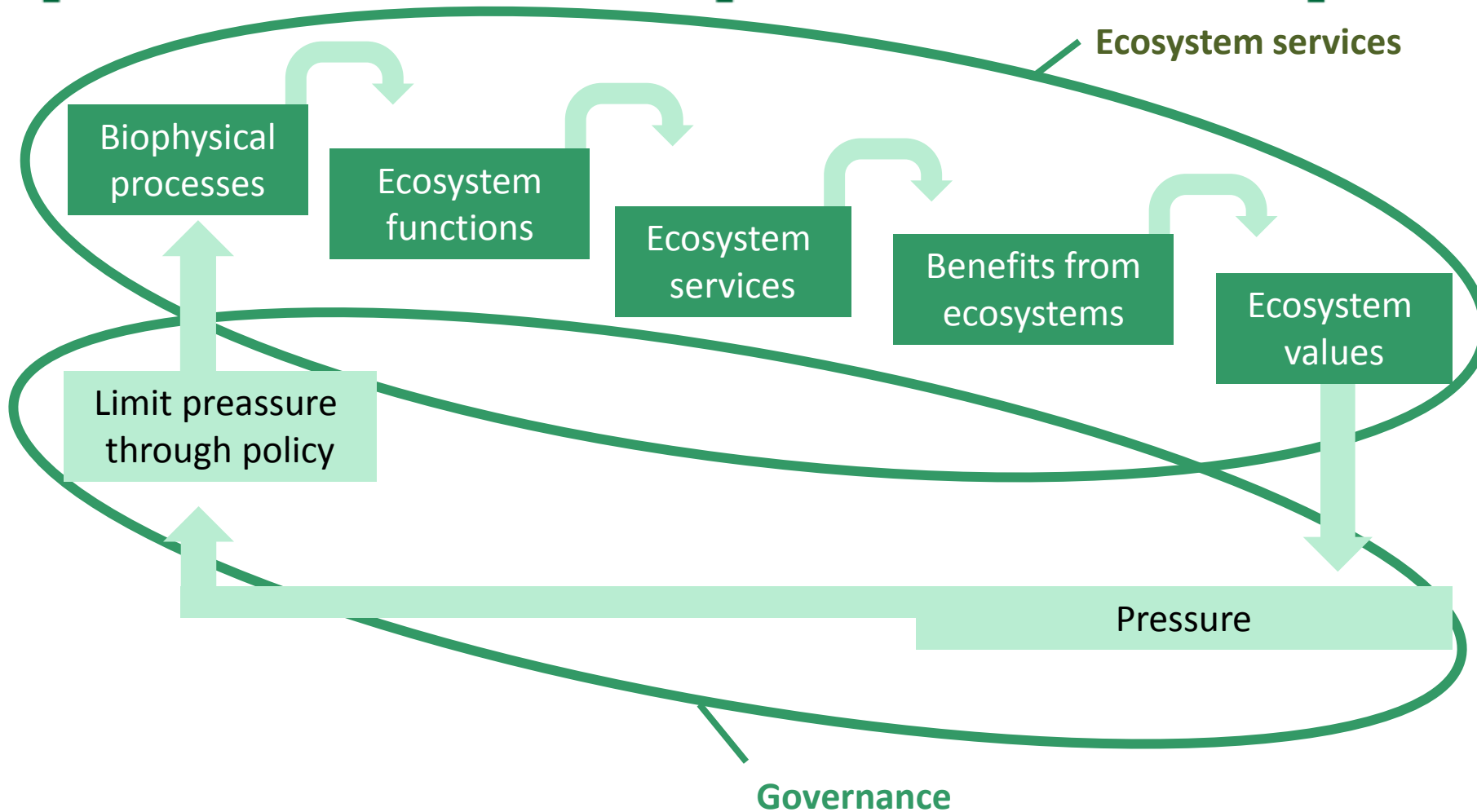
Conceptual frameworks to support knowledge



Assessments of status and trend

Service Group	Final Ecosystem Service	Mountains, Moorlands & Heaths	Semi-natural Grasslands	Enclosed Farmland	Woodlands	Freshwaters – Openwaters, Wetlands & Floodplains	Urban	Coastal Margins	Marine
Provisioning	Crops		↔	↑		↓	↗	↘	
	Livestock/Aquaculture	↓	↗	↔	↔	↘	↔	↘	↗
	Fish					↘	↔	↘	±
	Trees, standing vegetation, peat	↘	↔	↗	↗	↘	↔	↘	
	Water supply	↔	↘	↘	↔	↘	↔	~	
	Wild species diversity	↔	↓	↓	↗	↘	↔	↘	↘
Cultural	Environmental settings: Local places	↔	↔	~	↑	↗	↔	↔	~
	Environmental settings: Landscapes/seascapes	↔	↔	↔	↗	↔	↔	↗	~
Regulating	Climate	↔	↔	↗	↗	↔	↘	↗	↘
	Hazard	↘	↔	↘	↗	↘	↘	↔	↘
	Disease and pests	↔	↔	±	↘	↘	~	±	↘
	Pollination	↘	↘	↘	↔		↔	↔	
	Noise	↔	↔	~	↗	↔	↘	↔	
	Soil Water quality	↔	↗	±	↔	±	±	~	↔

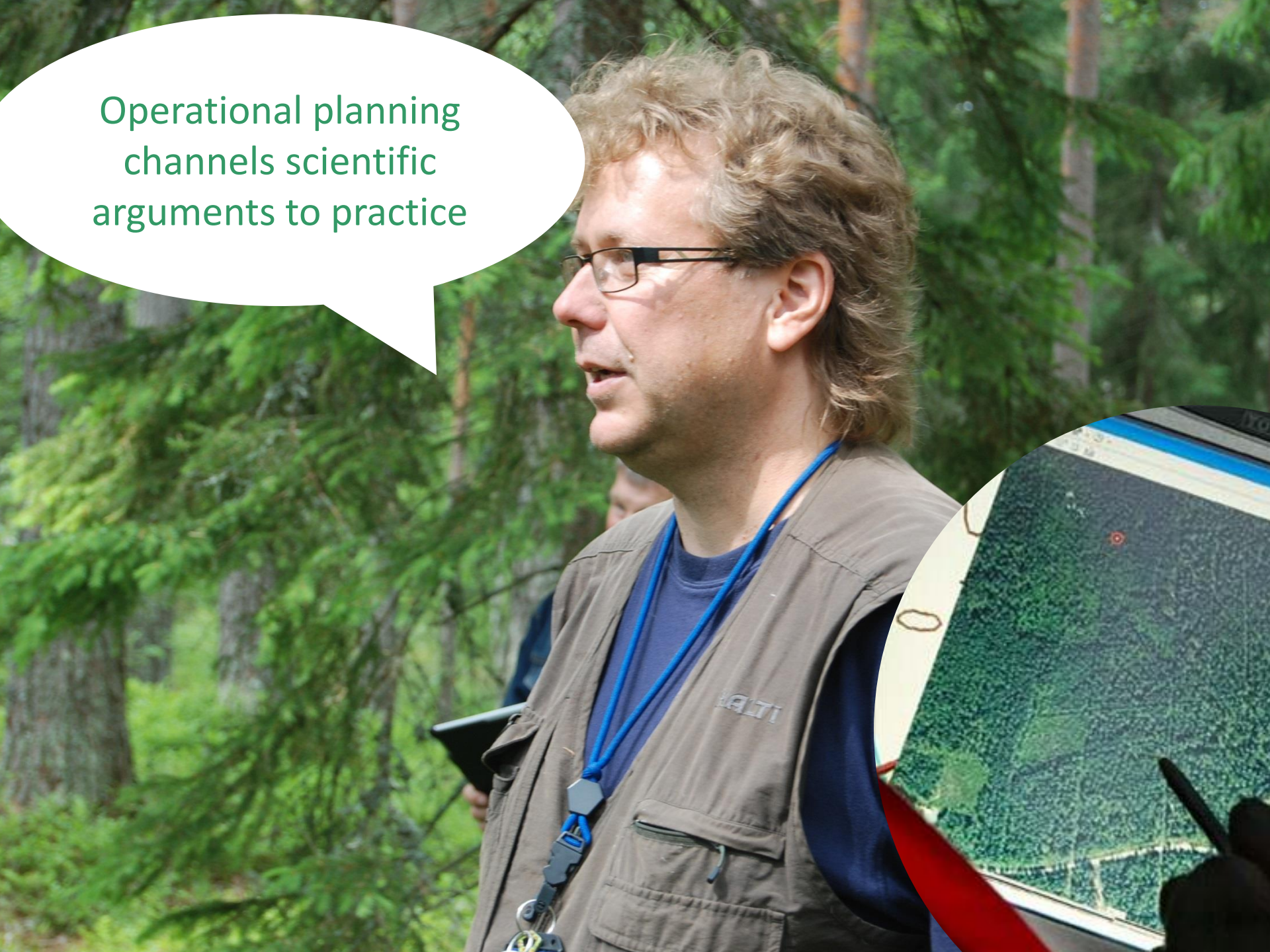
How do we govern ecosystem services?



Deliberation across
levels improves the
effectiveness of
arguments



Operational planning
channels scientific
arguments to practice





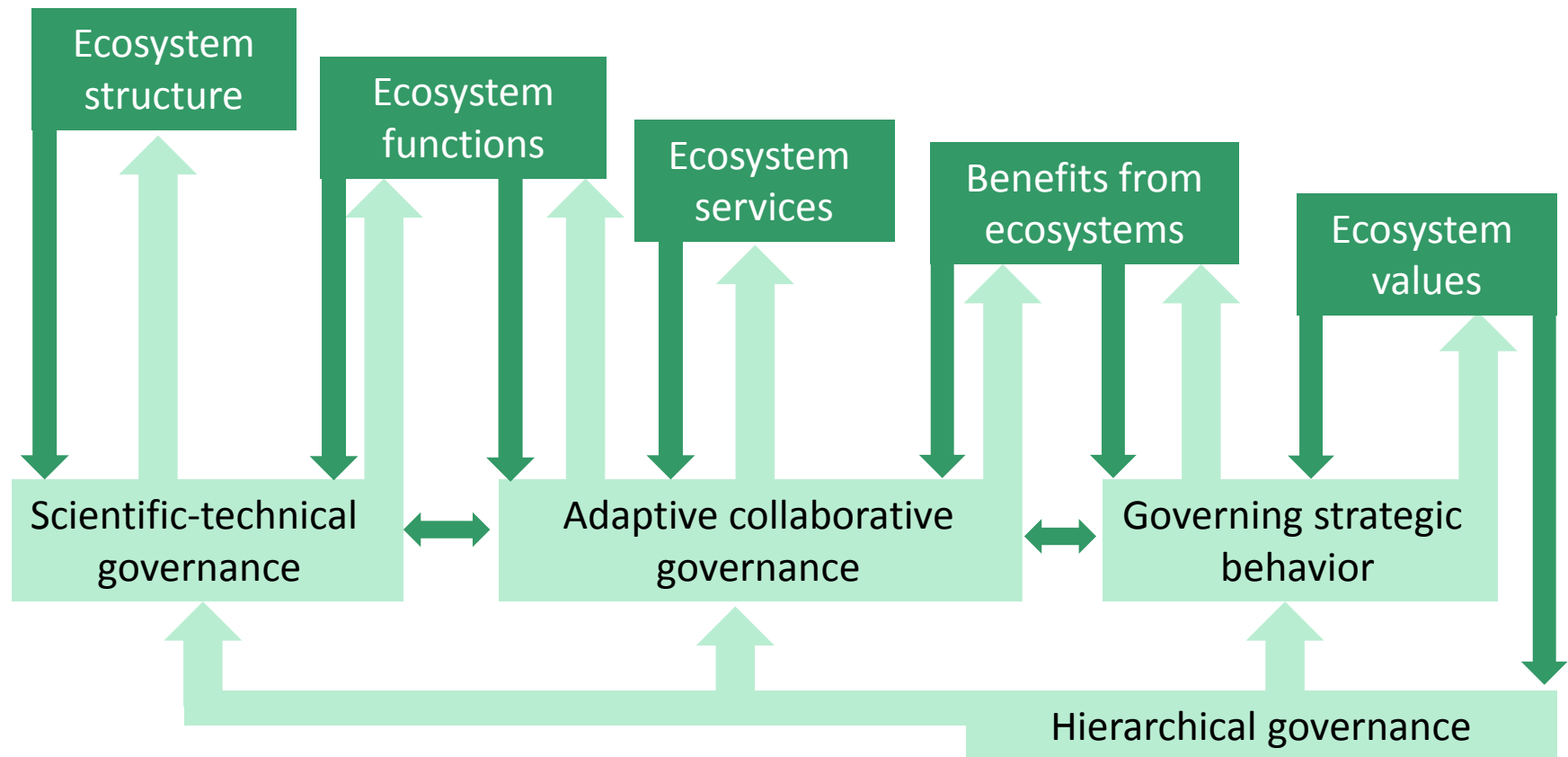
Dialogue improves the effectiveness of arguments



Strategic use of arguments is effective when it opens new views



Governance of ecosystem services



Arguments are used in governance

United Finland

YHTENÄINEN
SUOMI

A healthy
economy

TALOUS
KUNTOON

Local food

LÄHI-
RUOKA

Accessible
services

LÄHI-
PALVELUT

PUHDAS
LUONTO

Pristine
nature

Thank you!

Thanks go also to:

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- David Barton
- Rob Bugter
- Marion Potschin
- Eeva Furman
- Ulf Grandin
- Etc.!

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Discussion on governance

How do ecosystem service arguments generate effects in different modes of governance?

- Are decisions made at the top of a hierarchy and then delegated down?
- Are decisions made using expertise, knowledge and technology?
- Are decisions made in interaction with others?
- Are decisions securing own benefits in negotiations between interests?
- The aim is to learn from each other and contribute to a summary policy brief on ecosystem service arguments and different modes of governance.

10.50-11.00 Summary

11.00-11.30 COFFEE