



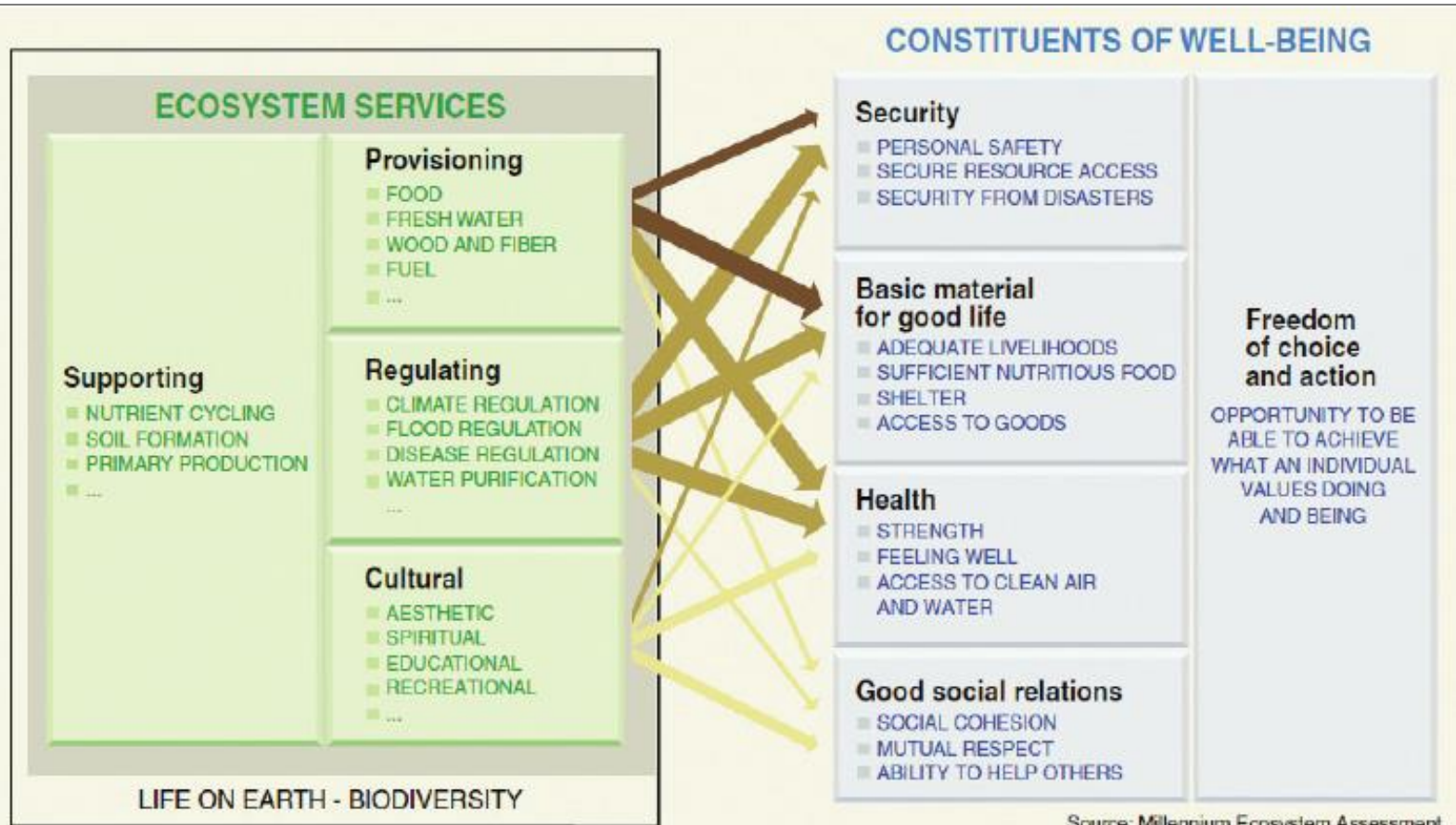
Well-being ecosystem services bundles (WEBs) for adaptive coastal governance: assessing the current evidence

Jessica Blythe¹, Derek Armitage, Georgina Alonso², Donovan Campbell, Ana Carolina Esteves Dias,
Graham Epstein, Melissa Marschke & Prateep Nayak

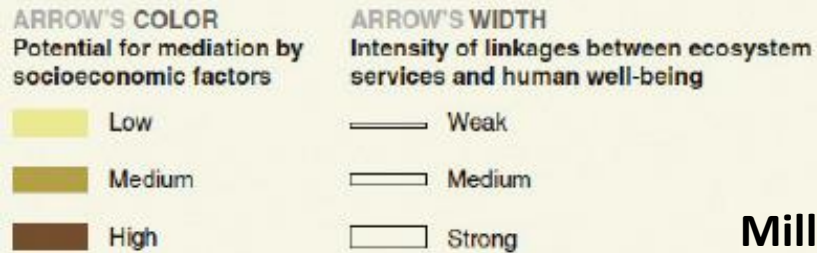
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A brief history of thinking about ES & WB...



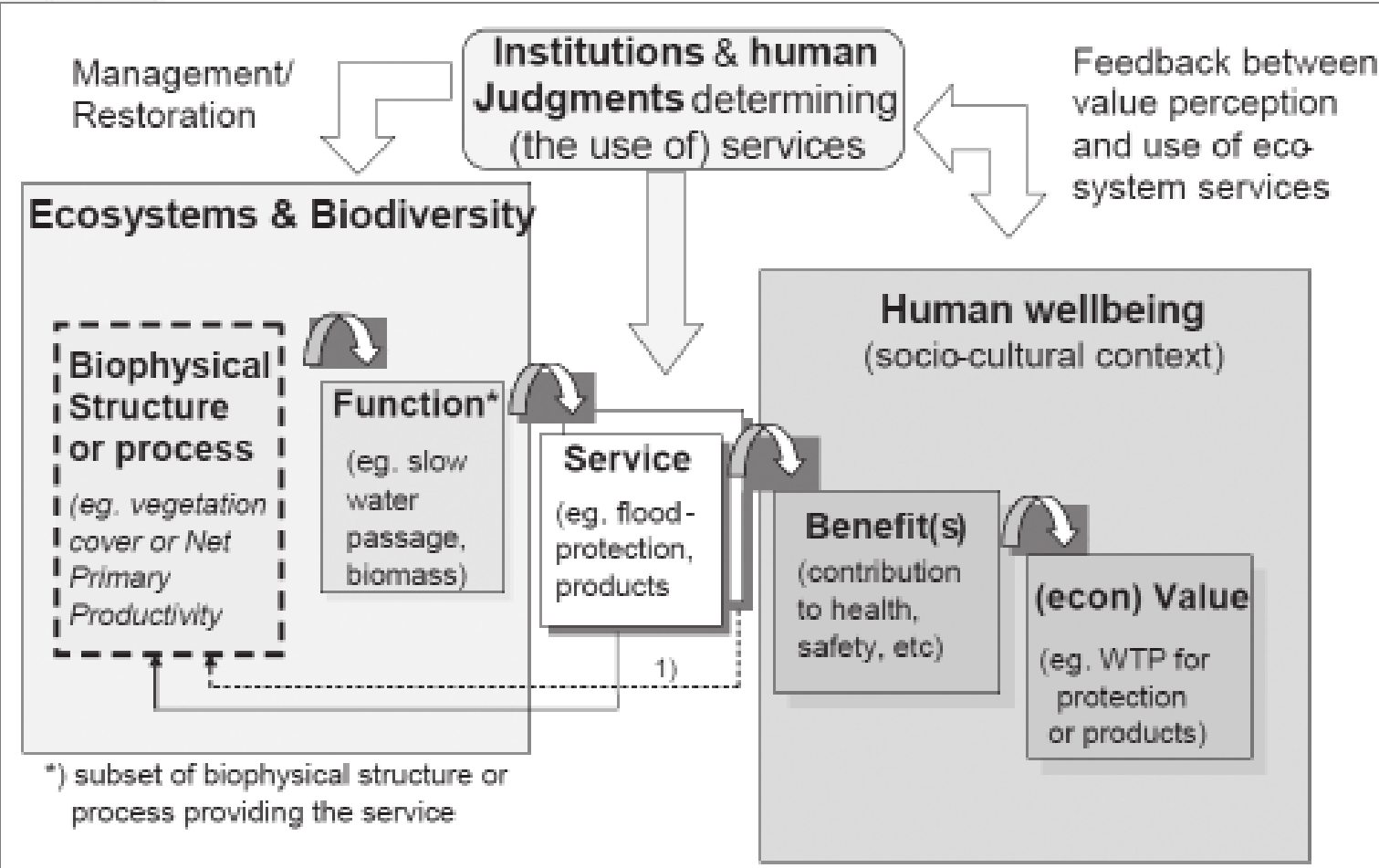
Source: Millennium Ecosystem Assessment



Millennium Ecosystem Assessment (2002)

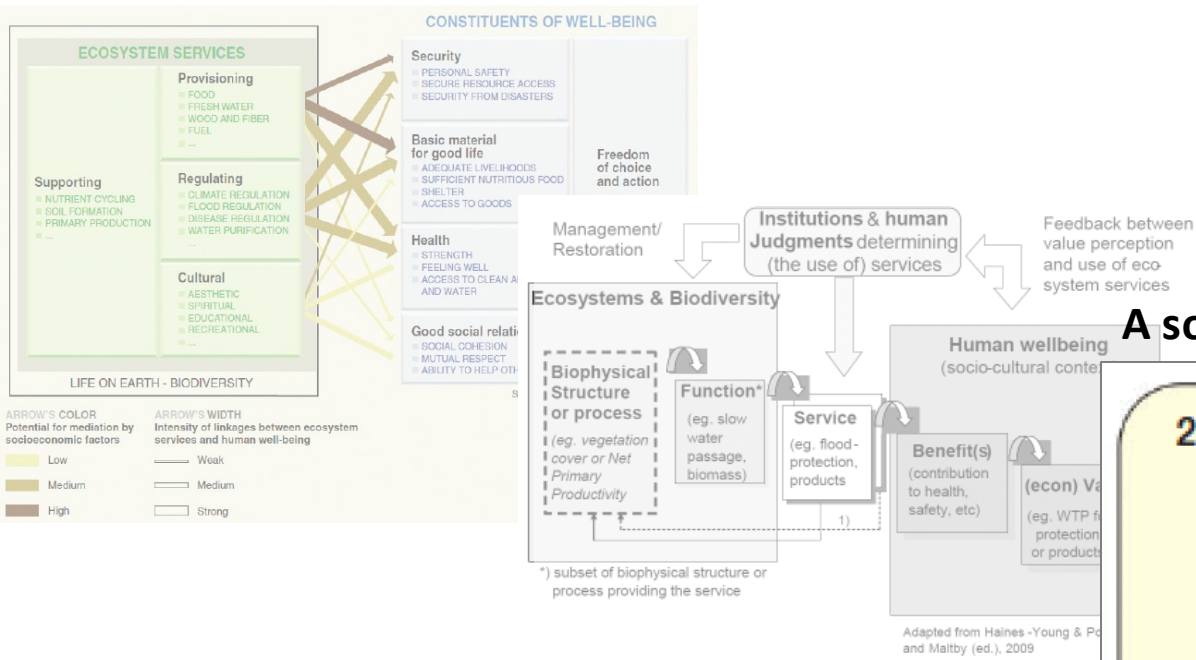
A brief history of thinking about ES & WB...

Economics of Ecosystems and Biodiversity Framework (de Groot et al. 2010)

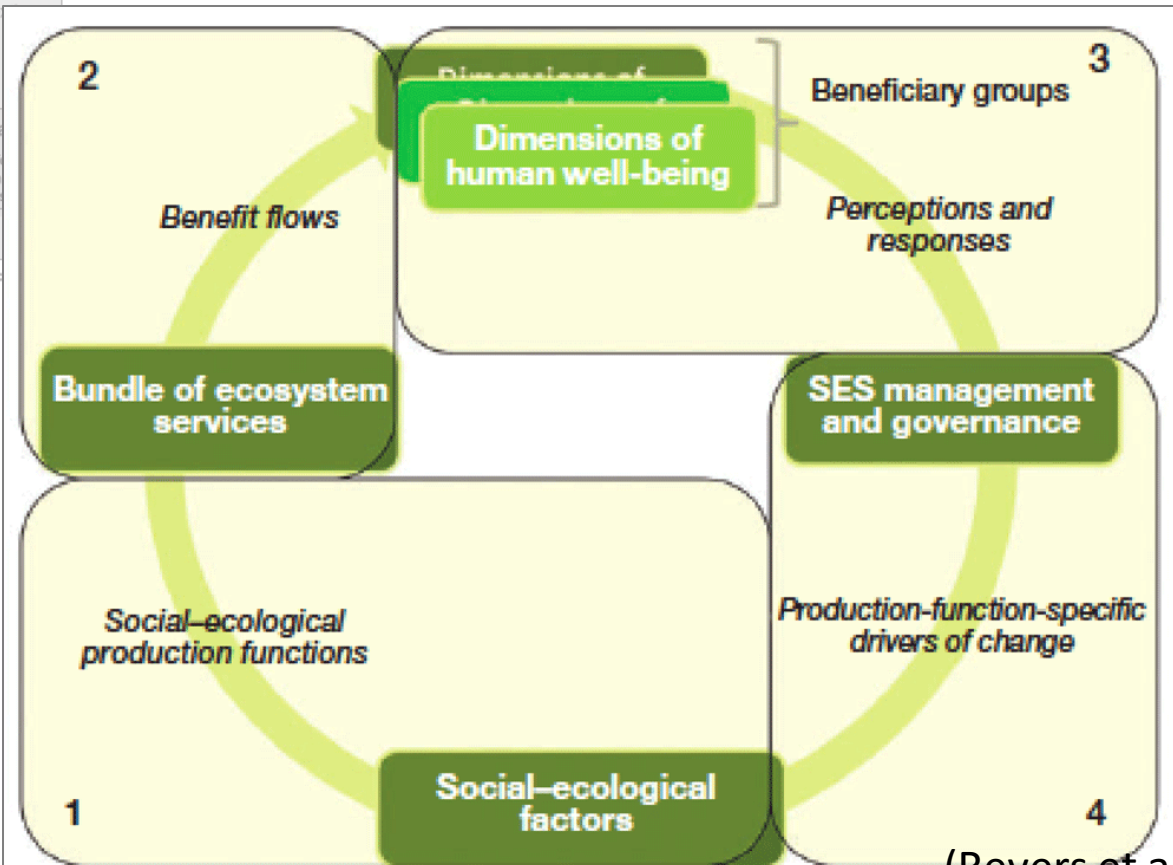


Adapted from Haines-Young & Potschin, 2010 and Maltby (ed.), 2009

A brief history of thinking about ES & WB...



A social-ecological approach for ecosystem services



Research questions

1

Where & how is the relationship between WB & ES being measured?

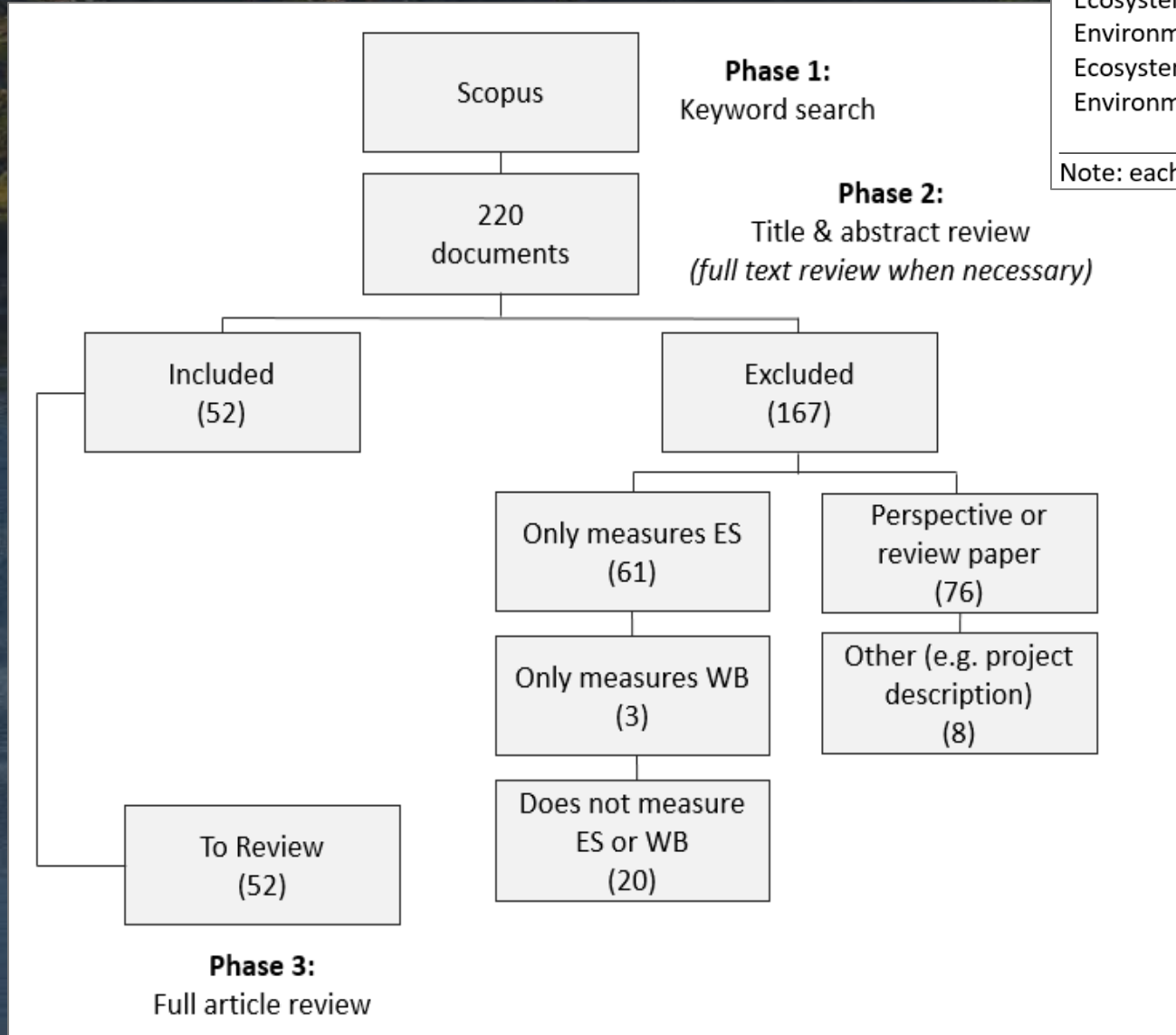
2

How do different groups derive WB from different ES?

3

In coastal systems, where & why are trade-offs occurring?

Systematic literature review



Ecosystem services		Well-being	Coastal	
Ecosystem service*		Well-being		Marine
Environment* service*	AND	Wellbeing	AND	Coast*
Ecosystem good*				Ocean
Environmental good*				Sea
				Seascape*

Note: each search term was enclosed by double quotes "..."



Where & how is the relationship between ES & WB being measured?

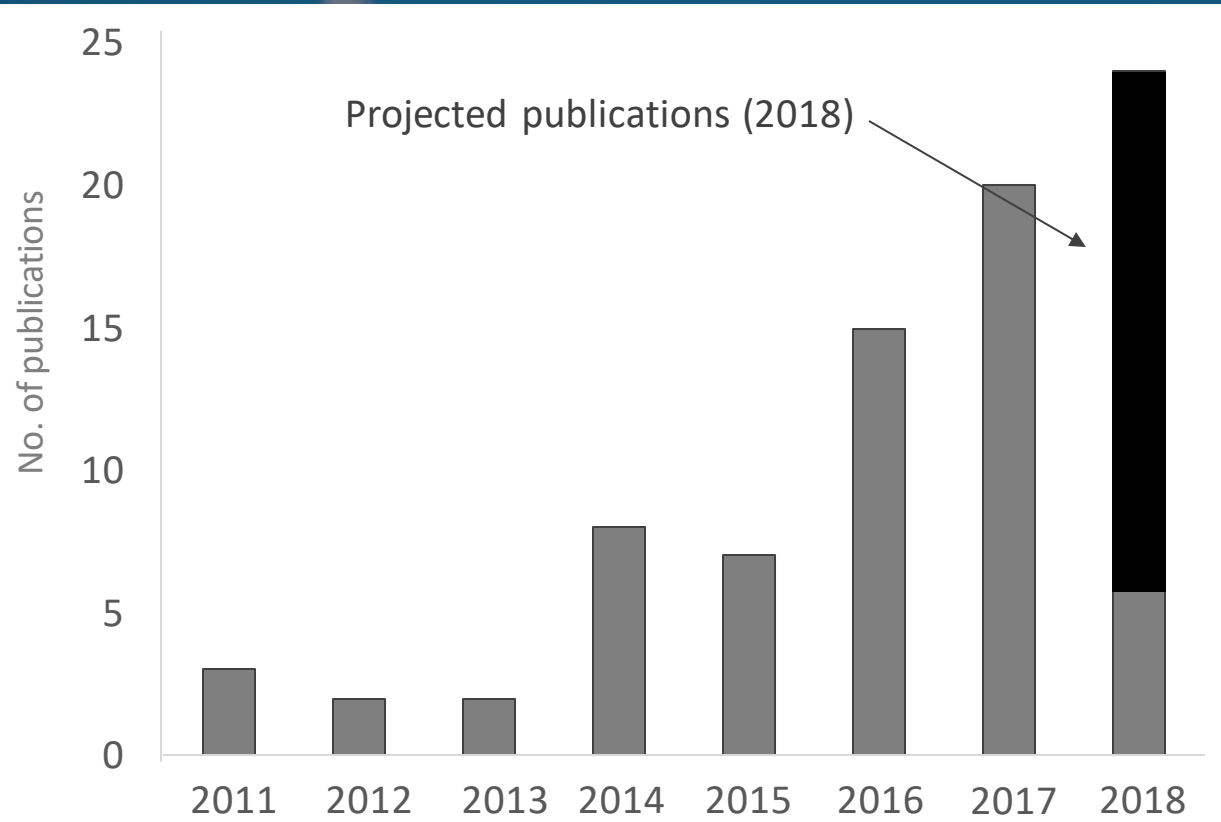


Fig 1. Number of coastal WEBs publications by year.

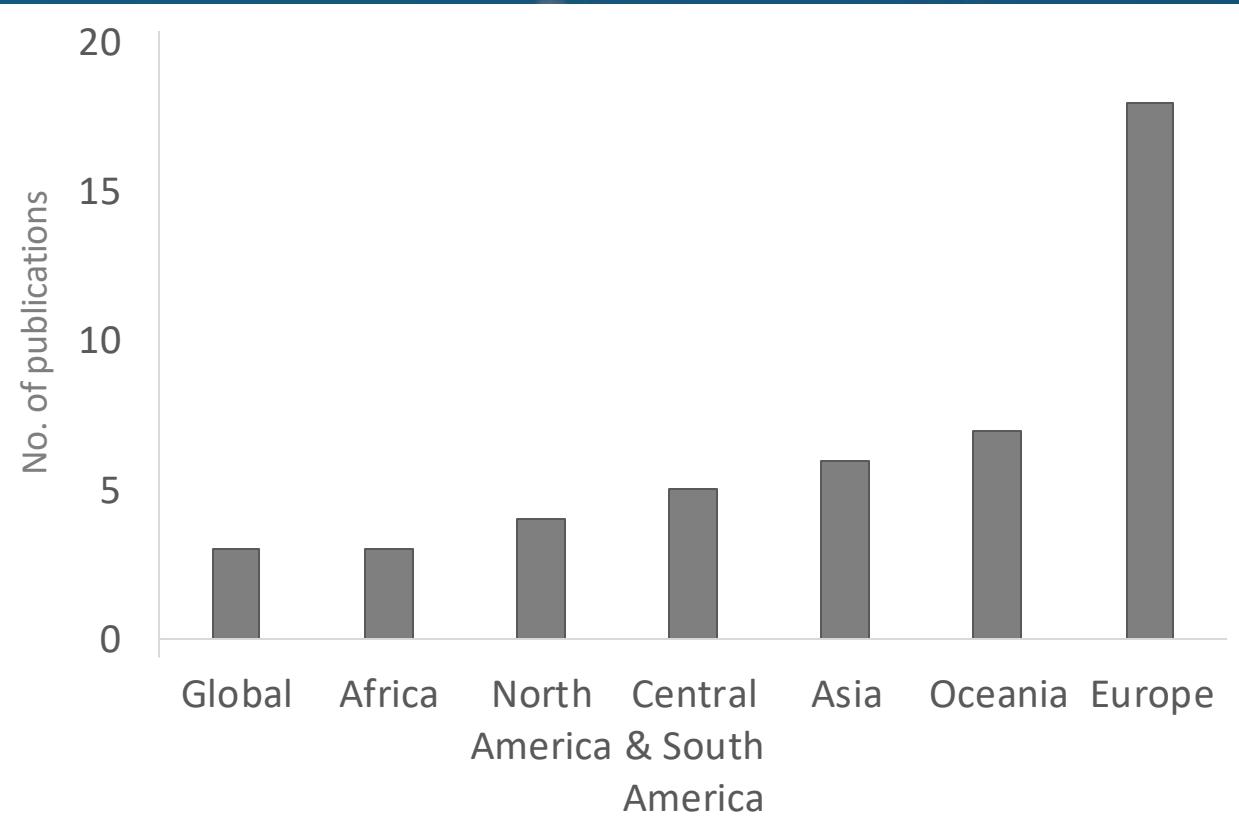
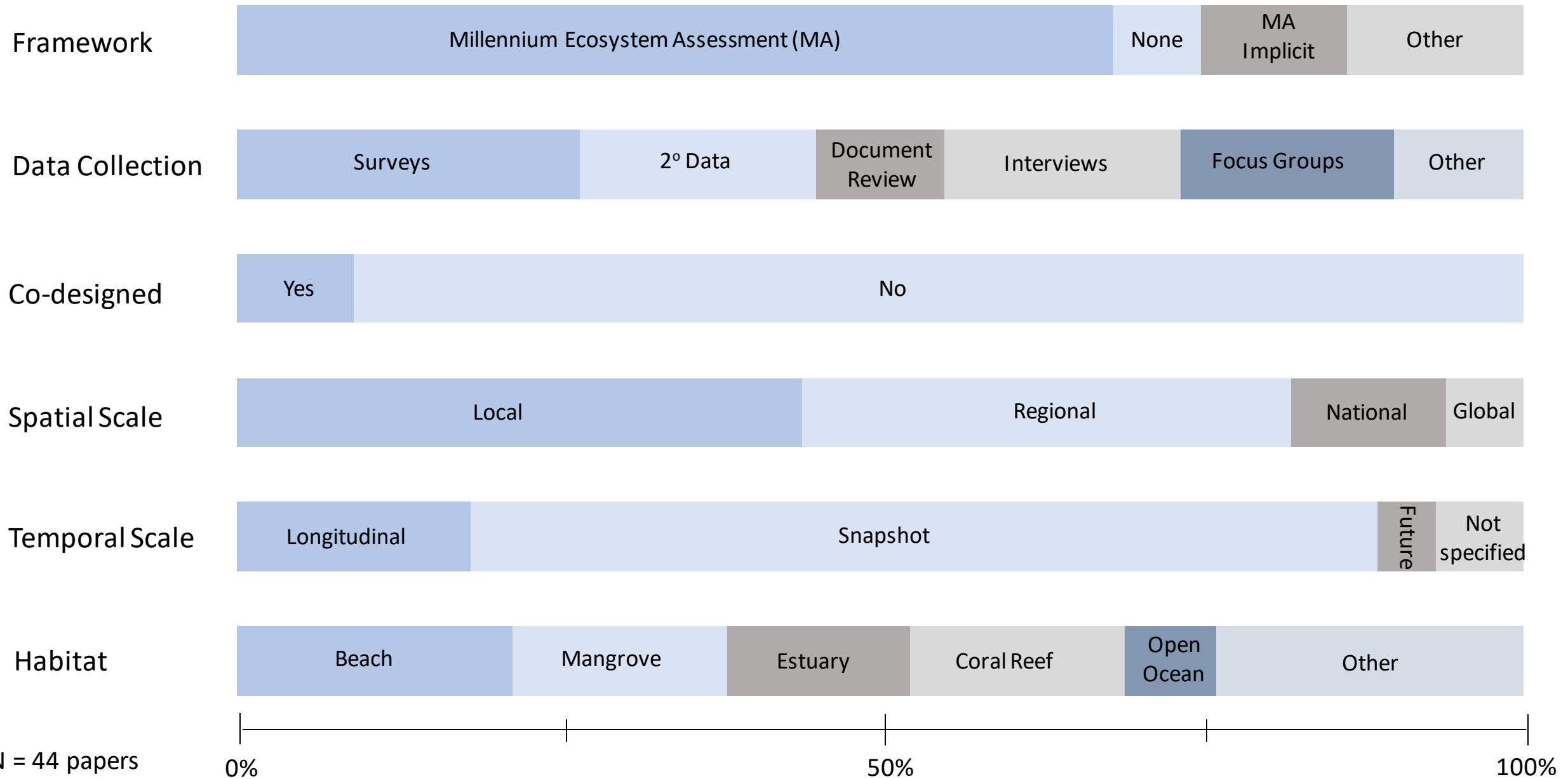


Fig 2. Geographic distribution of coastal WEBs research

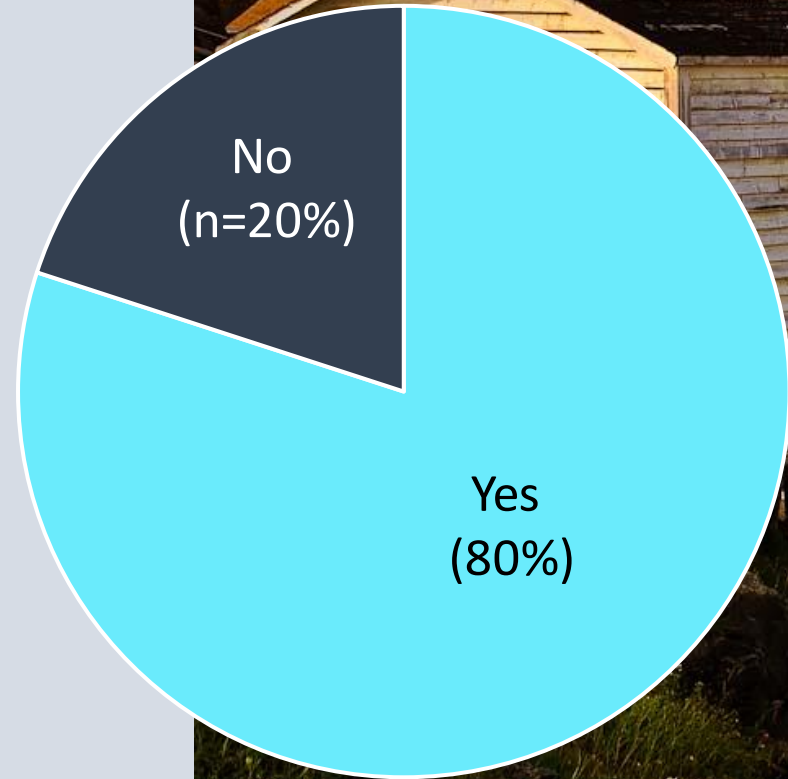
Where & how is the relationship between ES & WB being measured?



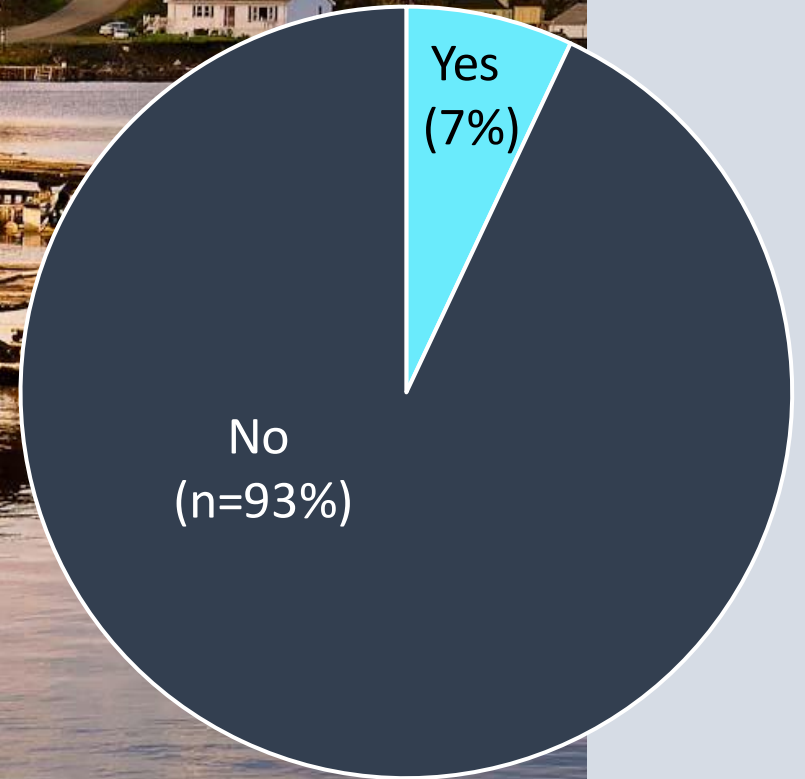
How do different groups derive WB from different ES?

The relationship between ES & WB

Ecosystem services → Wellbeing



Ecosystem services ← Wellbeing



Is wellbeing disaggregated?

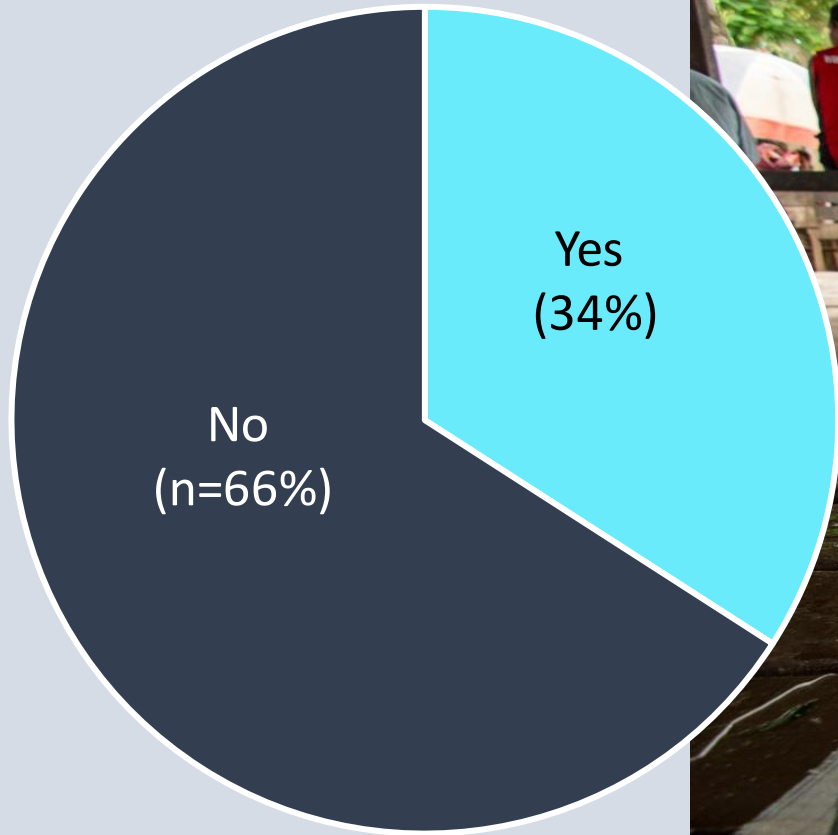
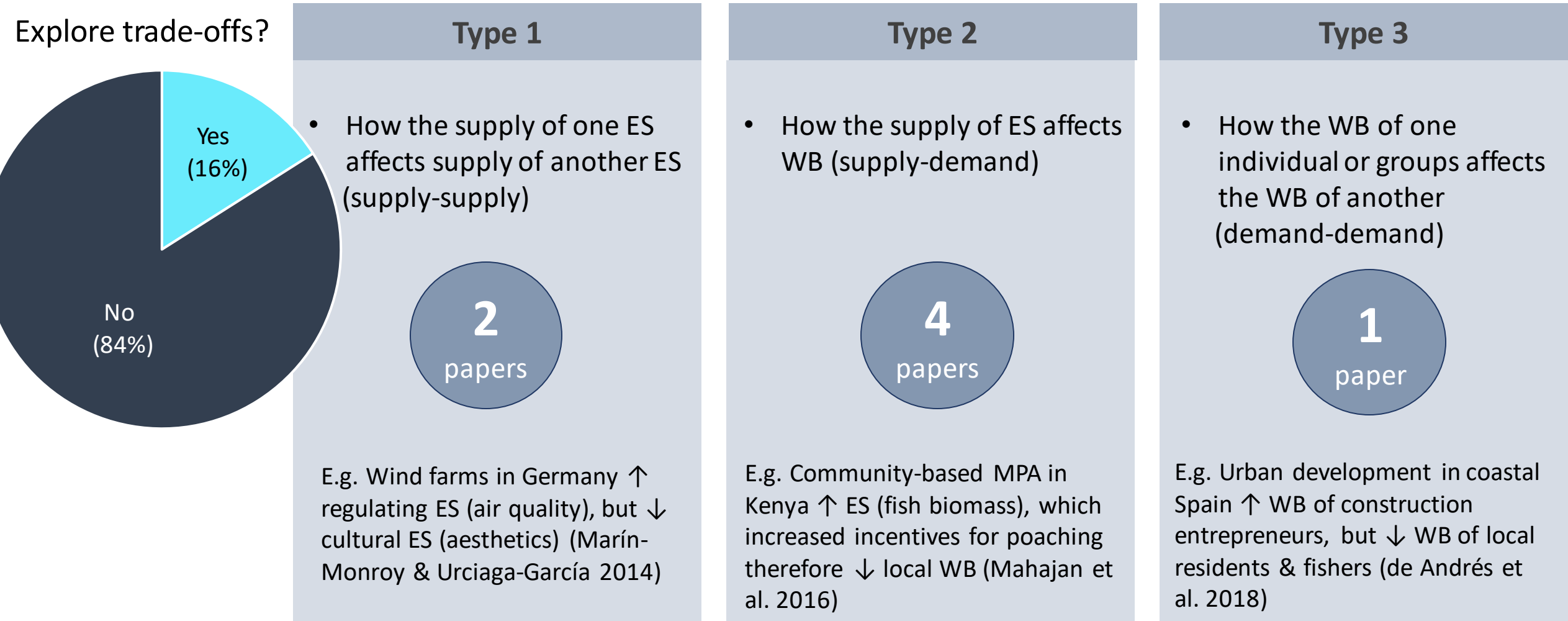
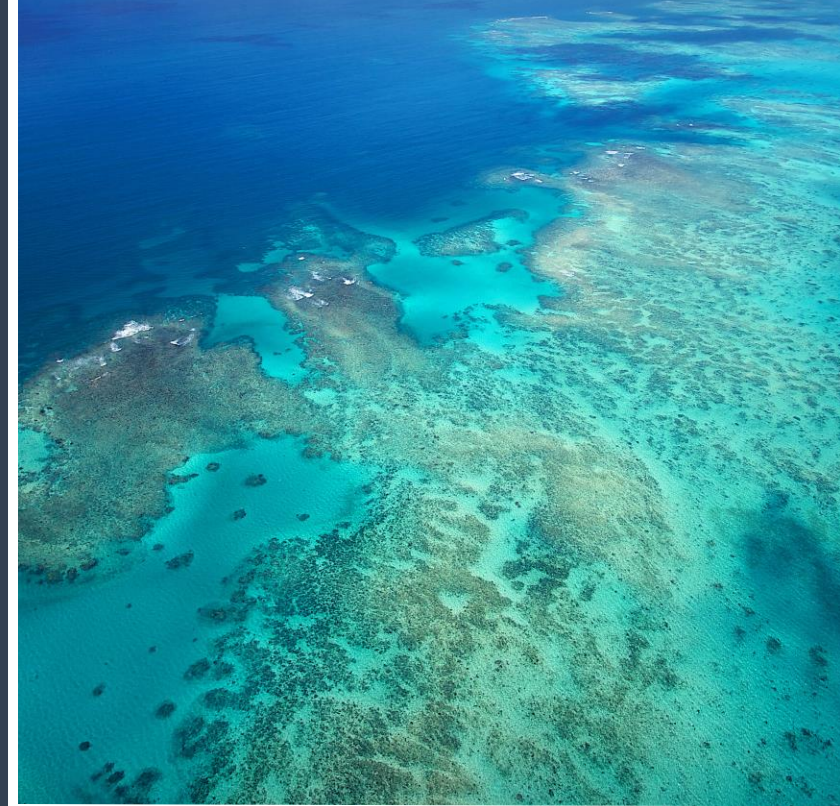


Photo: WorldFish



Key gaps in coastal WEBs research

- ❑ European bias in publications
- ❑ The majority of papers focus on a single snapshot
- ❑ Well-being often aggregated
- ❑ Trade-offs understudied



PhD Thesis Proposal: Fisheries in Vietnam



Addressing the gaps

WEBs Gaps

- ❑ European bias in publications
- ❑ The majority of papers focus on a single snapshot
- ❑ Well-being often aggregated
- ❑ Trade-offs understudied

My PhD Research

- ✓ Focus on Global South: Vietnam
- ✓ Well-being disaggregated (gender and livelihoods) and differences more deeply analyzed
- ✓ Closer engagement with trade-offs, non-linearities & uncertainty in analyses



Thank you!

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