





Natural capital thinking in policy making - a review of international cases

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Introduction

Natural capital is a relatively new concept that is expected to help 'mainstream' environmental issues into decision-making across society ncluding in different domains of policy-making - to help achieve a Just Transition. However, is it actually used and useful? If so how? To understand this, we have searched for international examples where natural capital has influenced policy-making processes.

Methods

STAGE 1: Scoping and searching	• Key phrases 'natural capit
	Google Scholar (GS) and \
	WoS were reviewed and r
	• Websites of initiatives like
	searched.
	• The resulting long list (be
STAGE 2: Rapid appraisal to screen literature	• Cases were appraised usi
	• This left us with 182 cases
STAGE 3: Organising and coding	• Coding of cases is being c
	per detailed criteria that
	models, data), phases an
STAGE 4: Analysis and critical appraisal	• Summary statistics and na
	• Identify trends, gaps, imp
STAGE 5: Communicate outcomes	• Produce accessible report
	• Submit academic paper.

References

economy". [online] Available at:





Take home messages

- Many academics recommend Natural Capital data, tools or models should be useful for embedding sustainability considerations in policy-making.
- Natural capital is being used in some policy processes – though recommendations exceed evidence of use.
- Multiple case studies relate to policy domains of spatial planning, forestry, and water management.
- More attention is needed to study detail of decision-making processes – and attempts to use new tools within these – to understand consequences for sustainability.

'/'ecosystem services' and 'in policy' were used to carry out searches in /eb of Science (WoS). The abstract of the first 1000 results on GS and 3020 on levant examples were added to a database.

WAVES, OECD, Oppla, UN SEEA, PBL, IPBES and World Bank were also

ore data cleaning and checking) was of 361 cases.

g inclusion/exclusion criteria; additionally some were revealed as duplicates.

rried out using MS Excel. We doublecheck inclusion, and describe cases as ifferentiate how Natural Capital is represented (e.g. what terms, tools, d aspects of policy processes, and any expected or experienced consequences rrative description of findings.

ications for policy/practice, future research. to share our methodology and insights.

1. OECD(2014), "Marine Ecosystem services", in OECD Environmental performance reviews: Sweden, OECD publishing, Paris. DOI: https://doi.org/10.1787/9789264213715-9-en

2. WAVES (2014), "Natural Capital Accounting in Action Guatemala's forest accounts link forest resources with the

Scottish Government Riaghaltas na h-Alba gov.scot Acknowledgements

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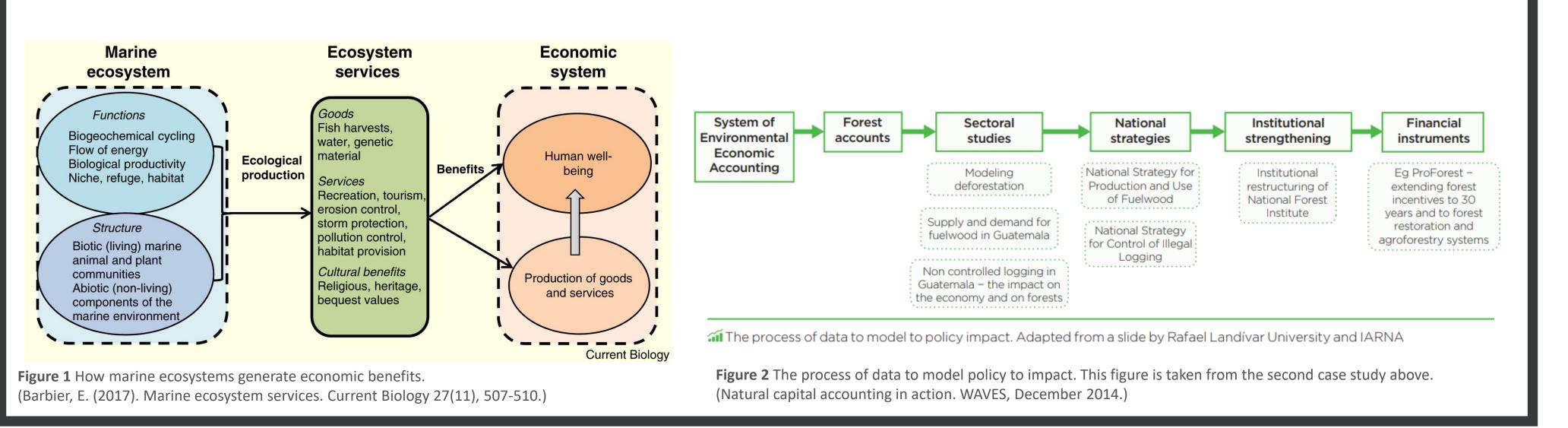




Case studies

Use of Natural capital/Ecosystem services in various policy making domains

Case study	Policy planning	
Sweden- Marine policy (OECD 2014)	 Traditional management approaches have tended to be sectoral, hence, an ecosystem approach was used for management of marine resources and policy making. Economic valuations also allow measurement of cost- benefits and enable policy makers to evaluate trade- offs. 	
Guatemala- Forest accounts (WAVES 2014)	 The forestry section of the National Development Plan was prepared based on the findings of forest accounts. 	



Conclusions

Natural Capital *is* being linked to some policy processes across the world: so far we have found 182 cases that appear to work with Natural Capital framings, tools or datasets.

• Some of the main links are with spatial planning, forestry and marine planning, also national accounts.

• This work is in progress: we are currently in the Stage 3 of the review – please contact us if you want to keep in touch with final insights on how and when natural capital thinking can help 'mainstream' sustainability considerations in policy processes.





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Policy implementation

- Swedish Agency for Marine and Water management (SwAM) was formed for the implementation and development of the new ecosystem approach. • SwAM was formed to integrate
- fisheries, marine and water management issues more effectively using an ecosystem approach.
- The accounts will also inform incentives for forest protection, rehabilitation, and reforestation, creating over 20,000 direct and 60,000 indirect jobs and ensuring fuelwood as well as timber supply for small and medium industry