

Monetization of the Marine and Coastal Environment

Kiel Institute for the World Economy

20.08.2021



Valuation

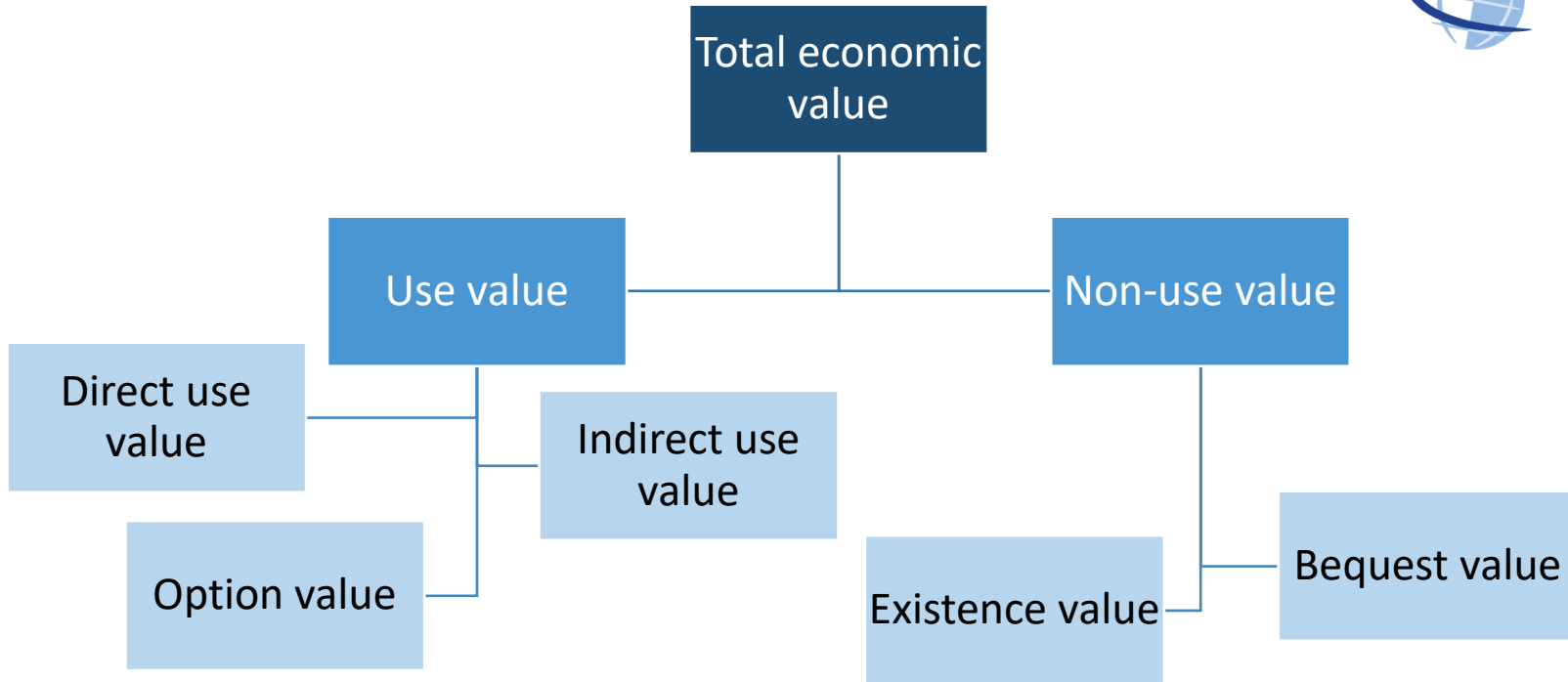
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02.09.2021



Dimensions of Value



- Types of environmental services:
 - Source of materials input: fossil fuel, fish, water etc.
 - Life-support services: liveable climate regime, breathable atmosphere
 - Amenity services: recreation, wildlife observation, scenic view etc.
 - Carbon storage

But many environmental resources are not transacted at markets

- Atmosphere, wilderness, ESS, stored carbon (not yet?)

→ Stated preference methods, choice experiments,
revealed preference methods

SeaStore - Diversity Enhancement Through Seagrass Restoration

- **Cost - Benefit Analysis** with a special focus on ecosystem service of carbon storage as provided by seagrass meadows
 - Costs are taken from the SeaStore field experiments and costs of partner projects
 - Benefits taken from a literature review
- **Choice Experiment** on seagrass restoration programmes

Example Choicecard

	Programme A	Programme B	Status quo/ no change
Carbon stored	high	high	low
Access to seagrass	forbidden	allowed	allowed
Additional drift	large	large	low
Restoration method	seed	bedding plant	seed
Restoration facilitator	yes	no	no
Additional household taxes	30 €	10 €	0 €
I choose:		X	



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