

Bonn, 24 April 2018

Expert meeting on Ecosystem Valuation in the context of Natural Capital Accounting

Learning from 30 years of non-market valuation

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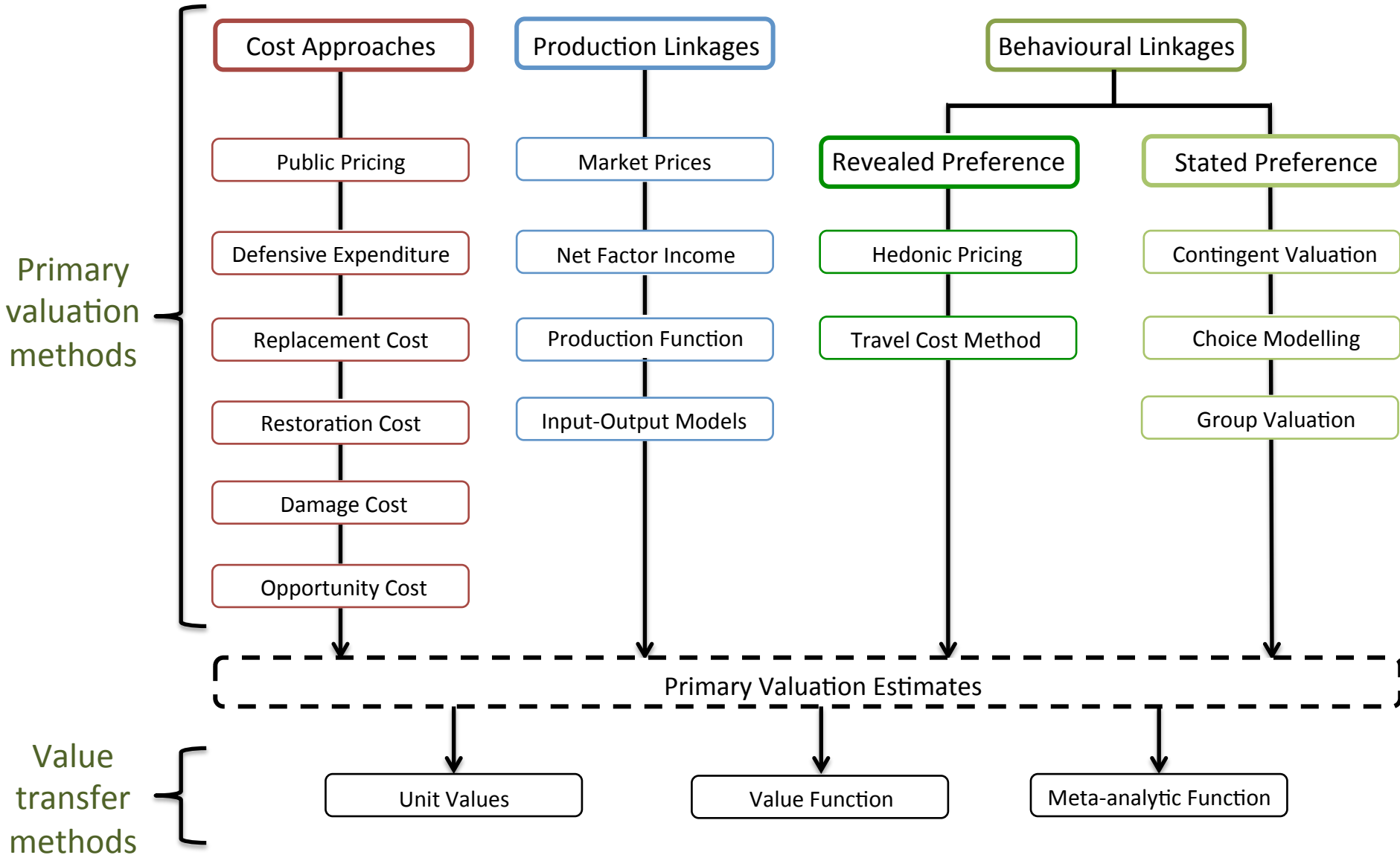
University of Hong Kong, China

Outline

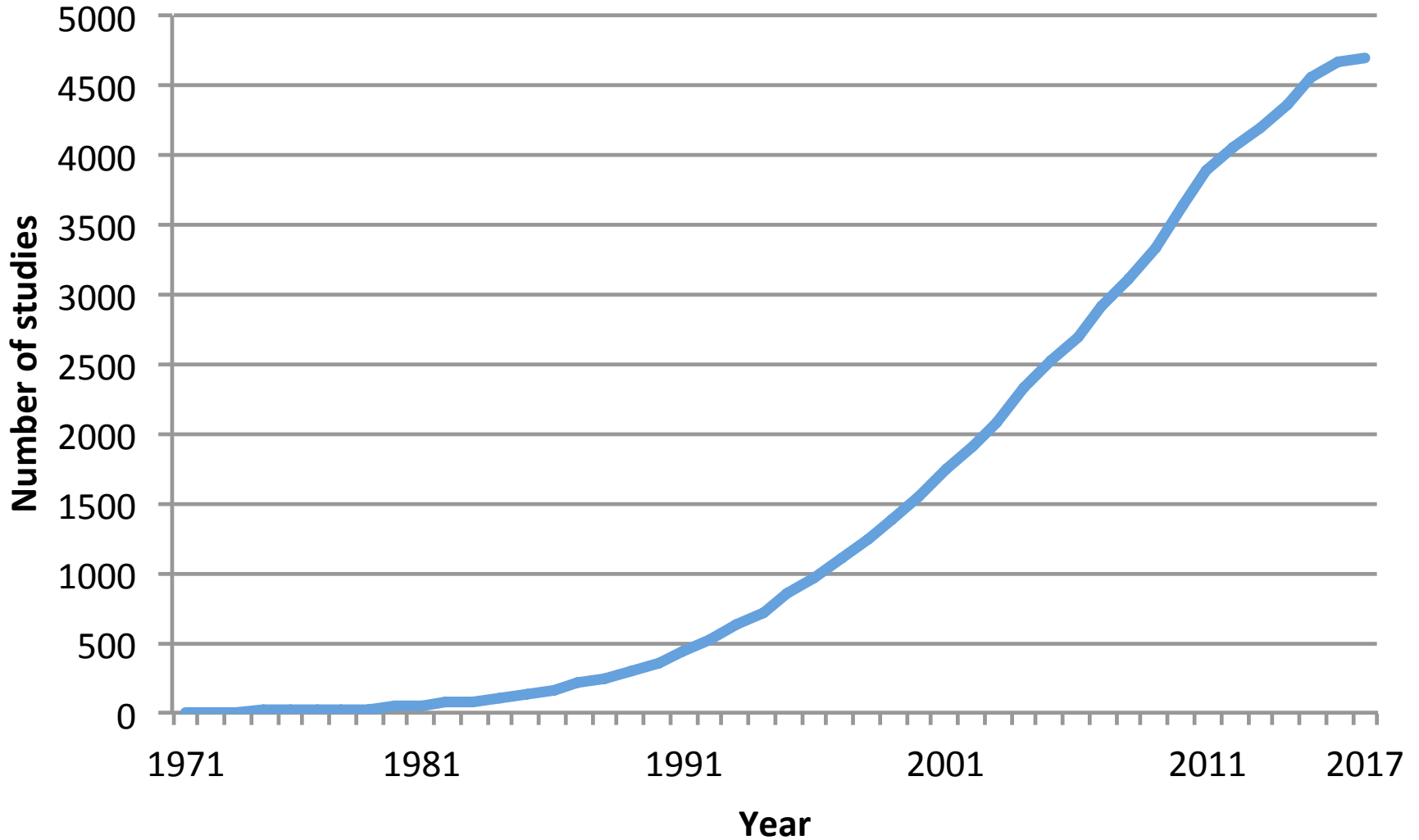
- Past: 30+ years of valuing ecosystem services
- Present: Examples at different scales
- Future: On-going and future developments



Valuation Methods

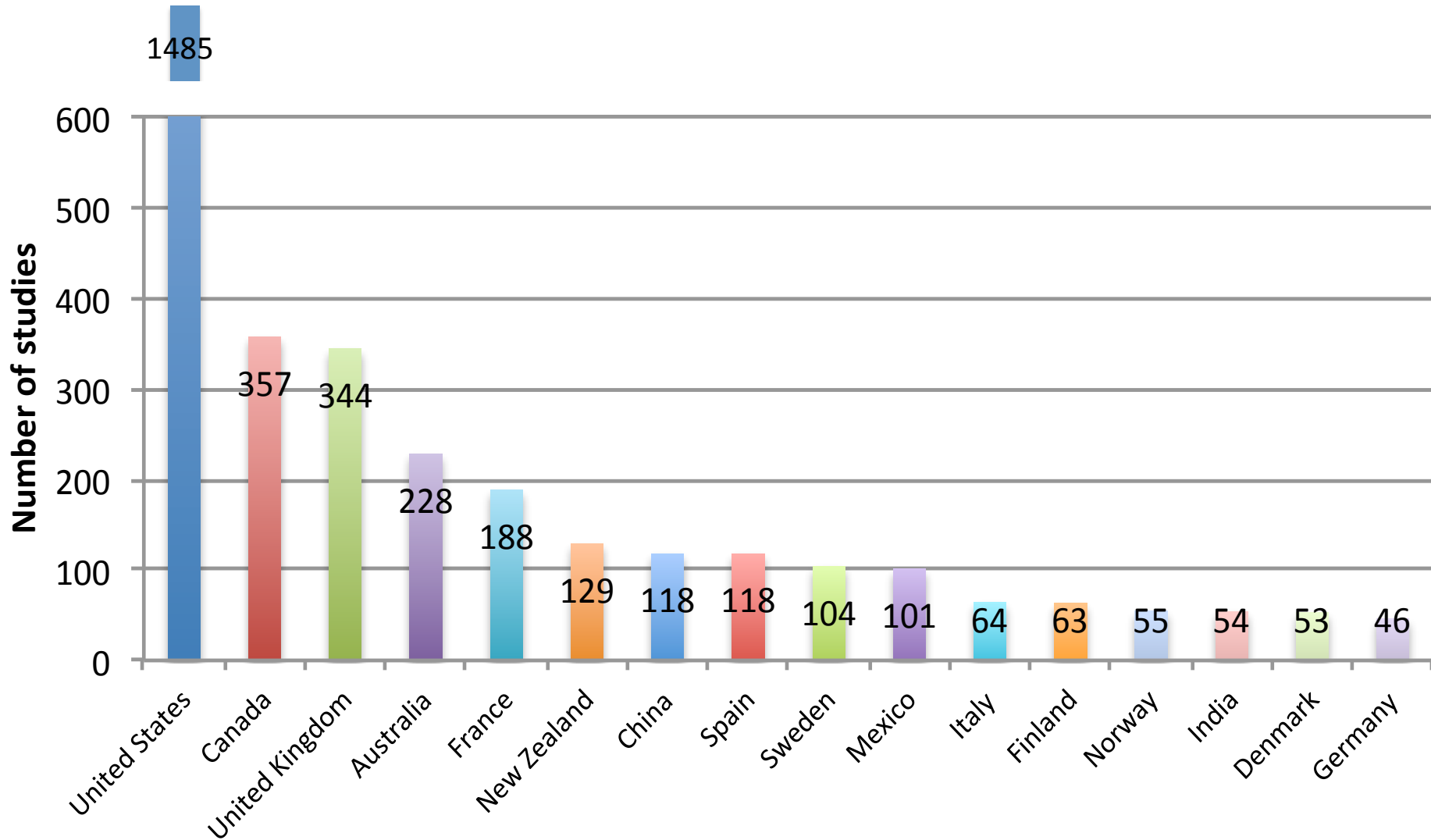


30+ years of ES valuation: How many?



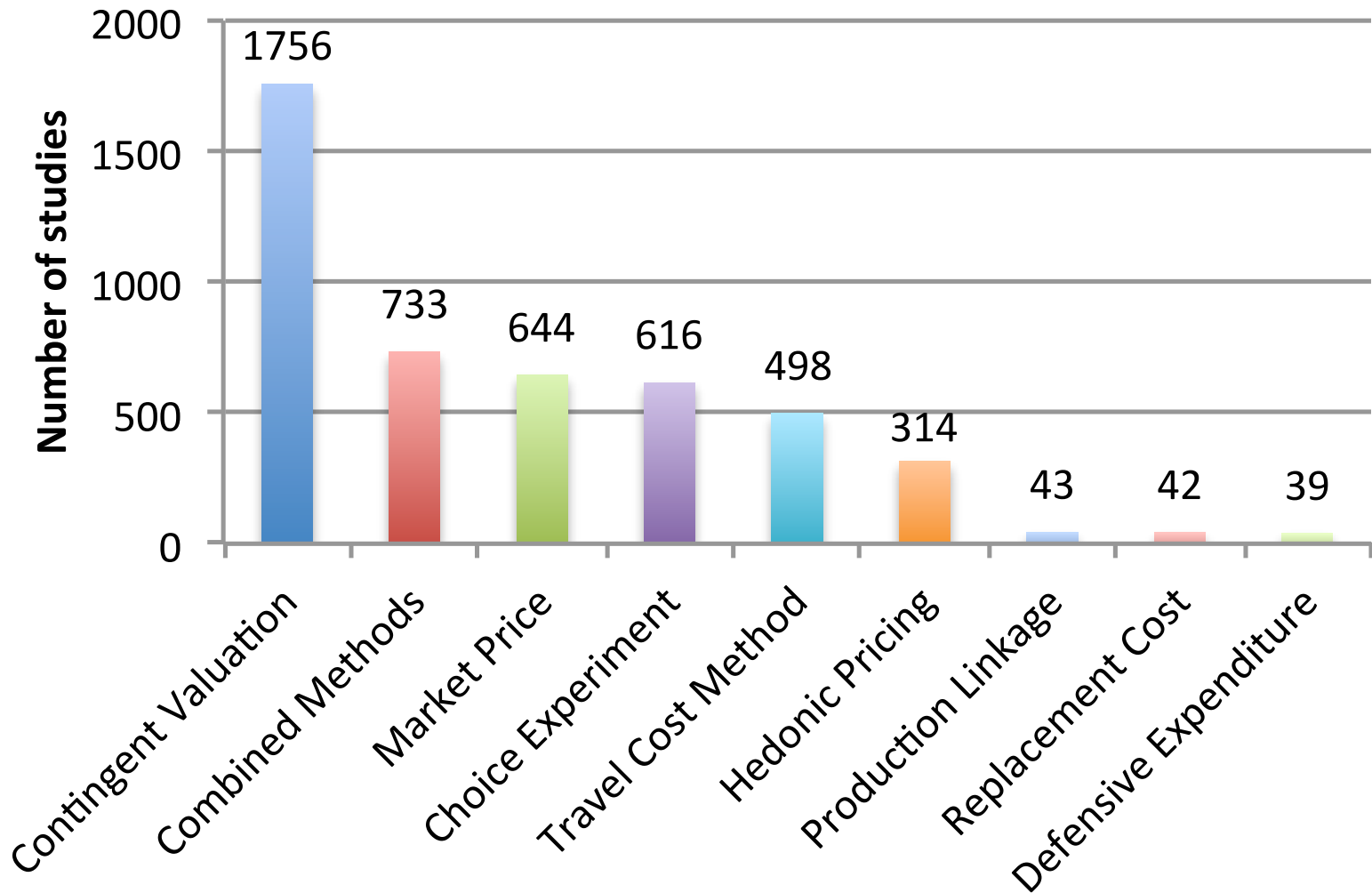
Source data: Environmental Valuation Reference Inventory (www.evri.ca)

30+ years of ES valuation: Where?



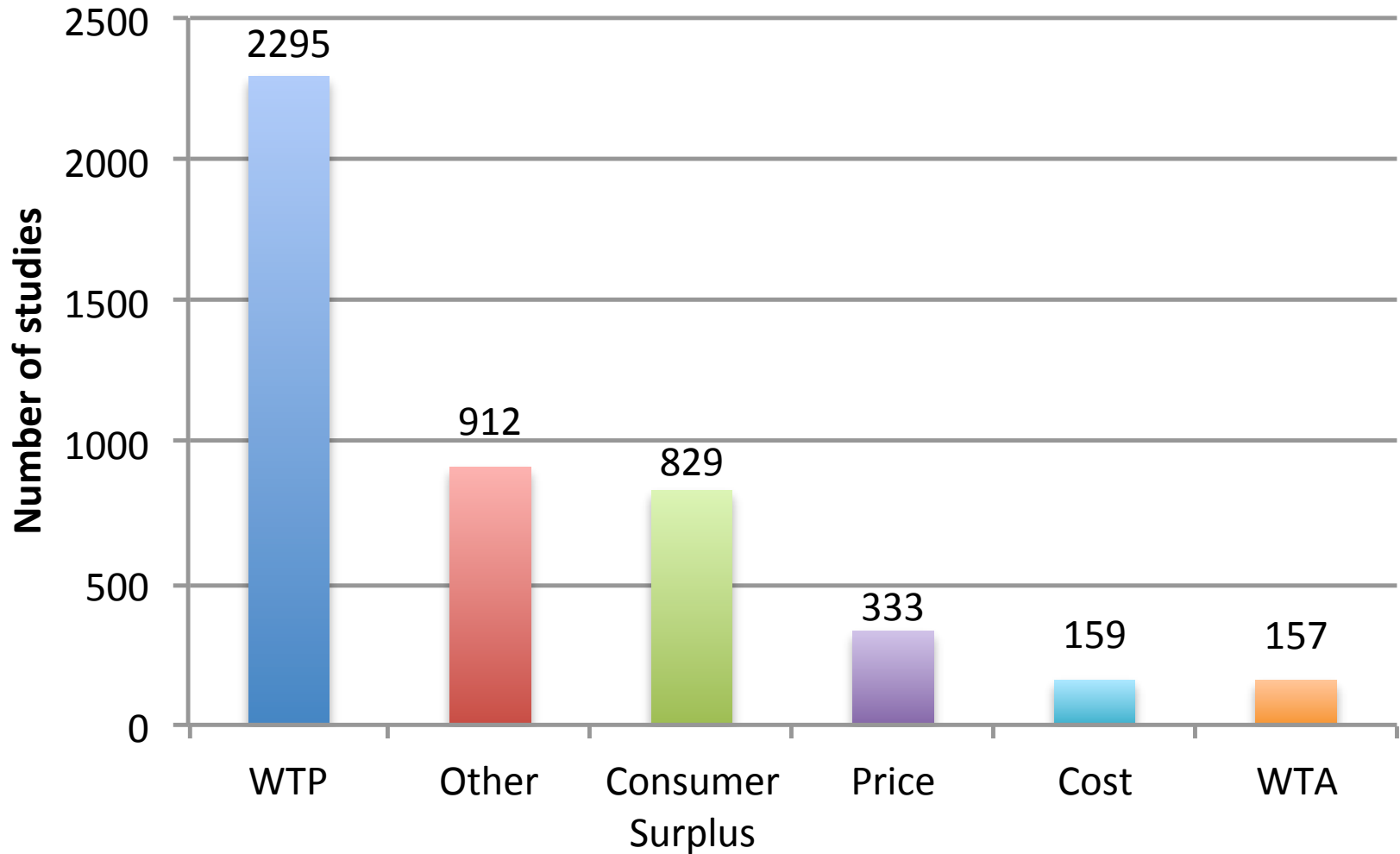
Source data: Environmental Valuation Reference Inventory (www.evri.ca)

30+ years of ES valuation: How?



Source data: Environmental Valuation Reference Inventory (www.evri.ca)

30+ years of ES valuation: What values?








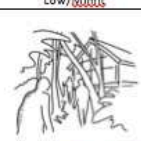




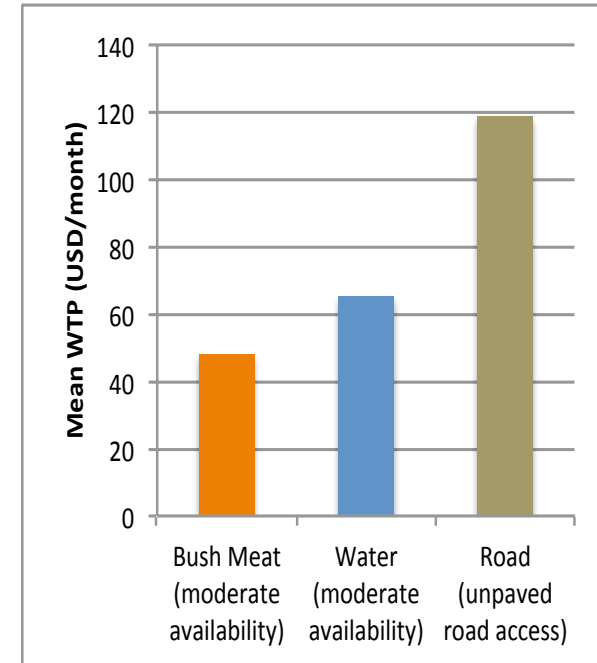
Source data: Environmental Valuation Reference Inventory (www.evri.ca)

Example 1: Value of natural capital in Baleh watershed, Sarawak, Malaysia

- Policy context: Sarawak development plan
- Funding: BMU-IKI
- Method: choice experiment

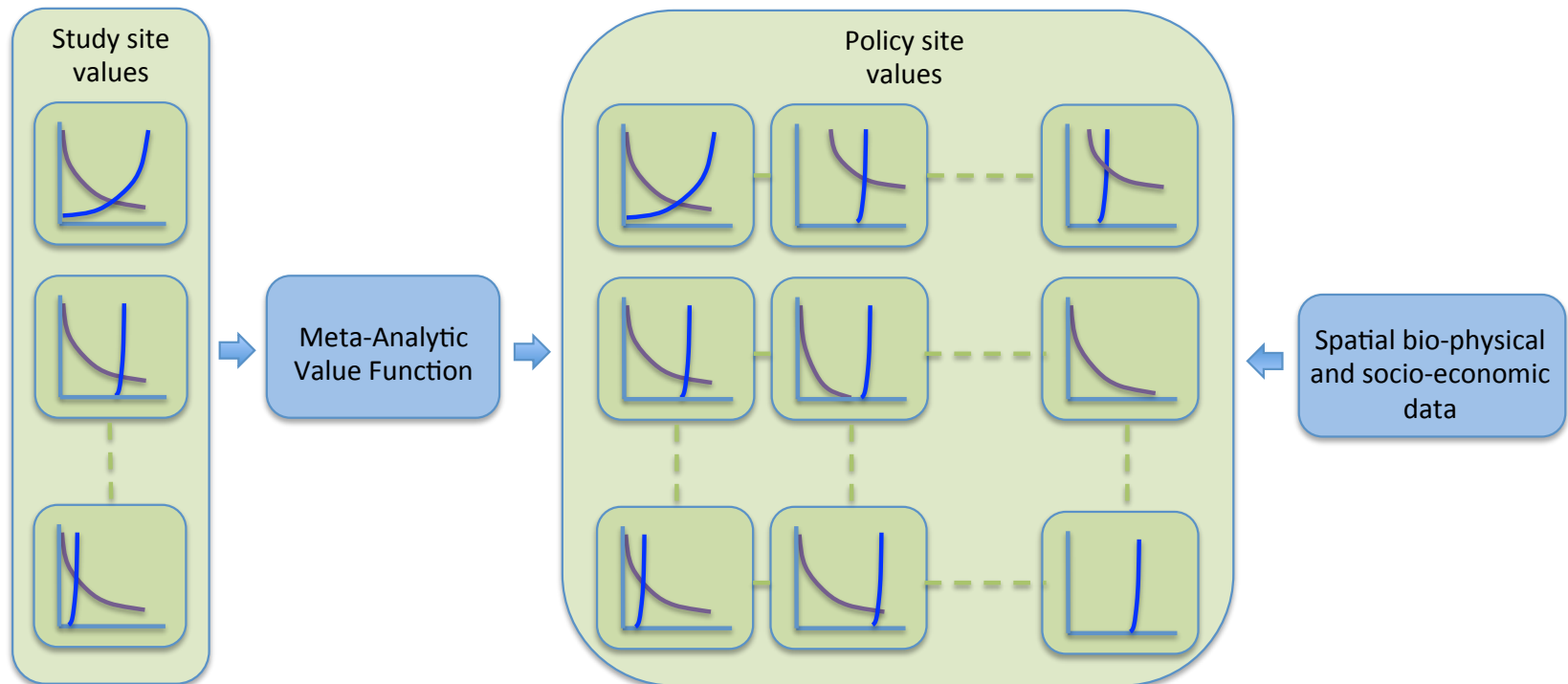


	Option A	Option B
Bushmeat/jelu kampung	 Abundant/Lebih ari bisj	 Available/Bisj
Hunting Grounds/Begala Jelu, ouena ehara, biasa/tradisional	 Some/Sekeda	 Few/Mimis
Freshwater/Ai beresi	 Moderate/Sederhana	 Low/Mimis
Road Access/Jajai	 Unpaved Road/Jajai enda berturag	 No Road/Nadai jajai
Agriculture Income/Penatal, pembai ari betanano	 RM250	 RM400

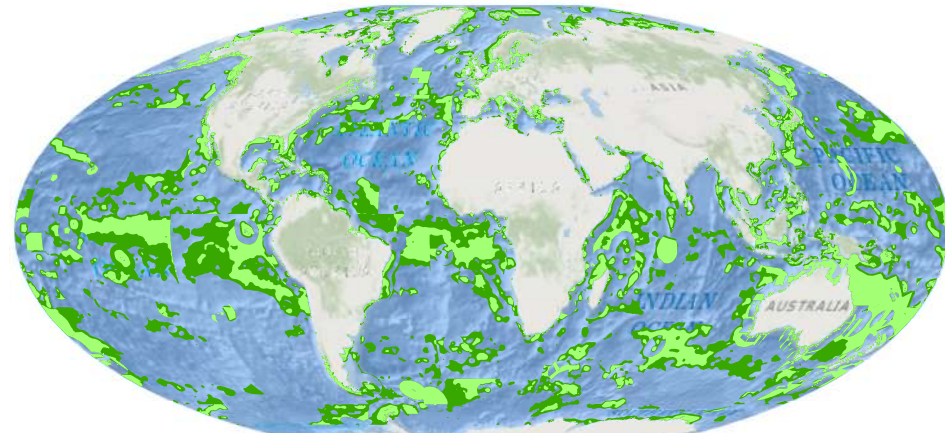


Example 2: Global value of expanding marine protected areas

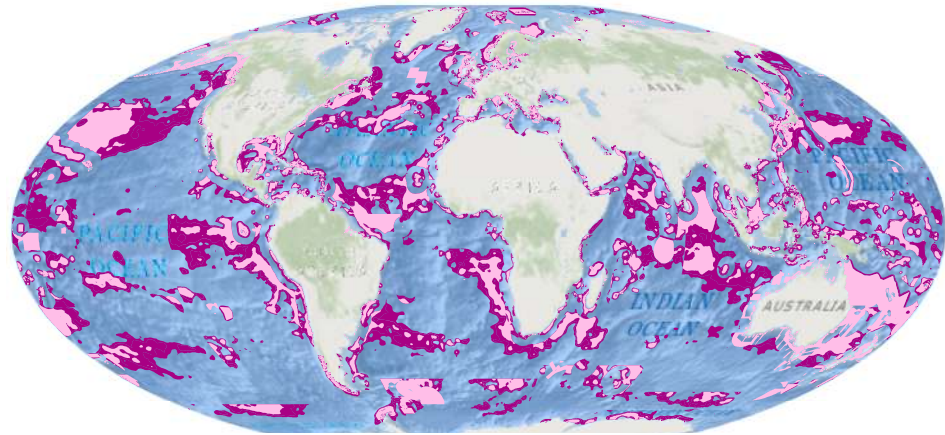
- Policy context: CBD Aichi Target 11 calls for expansion of MPAs to 10% of global marine area
- Funding: WWF International
- Method: Meta-analytic value transfers using GIS:



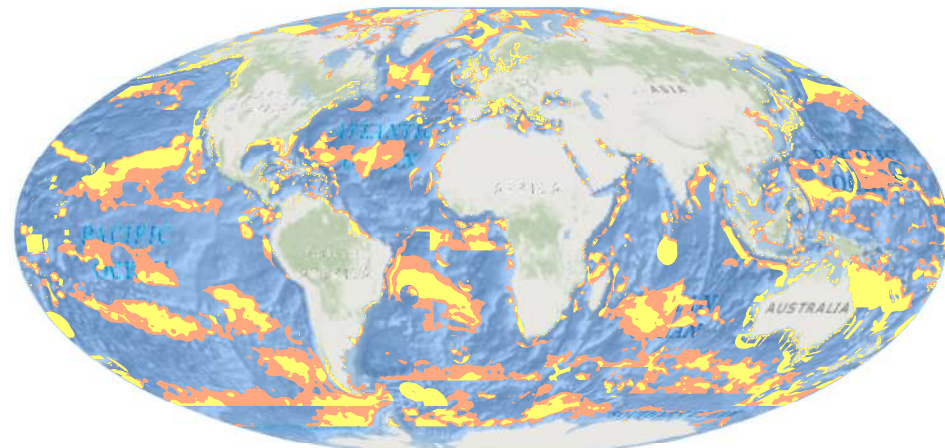
Mapped scenarios for MPA expansion



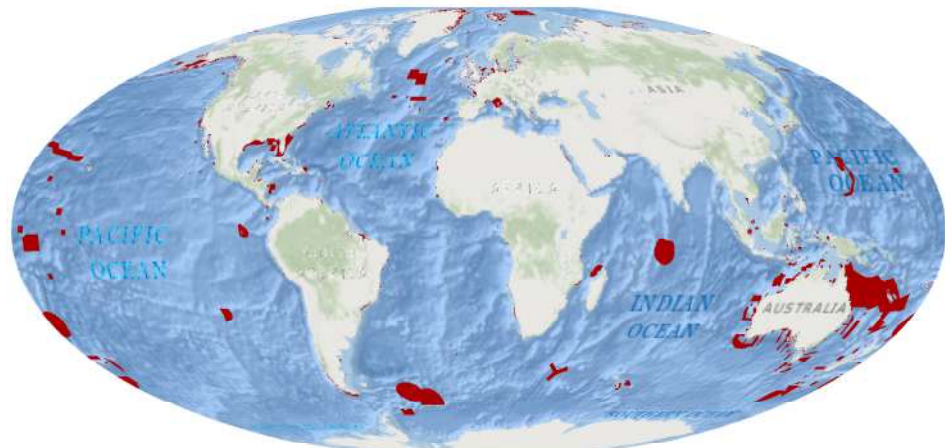
P2P



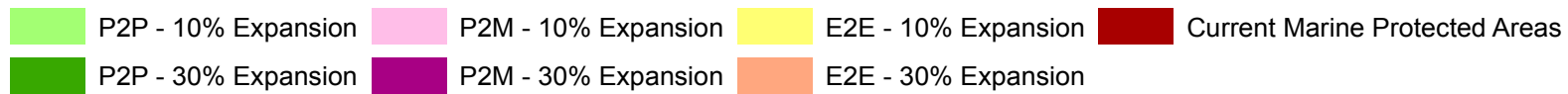
P2M



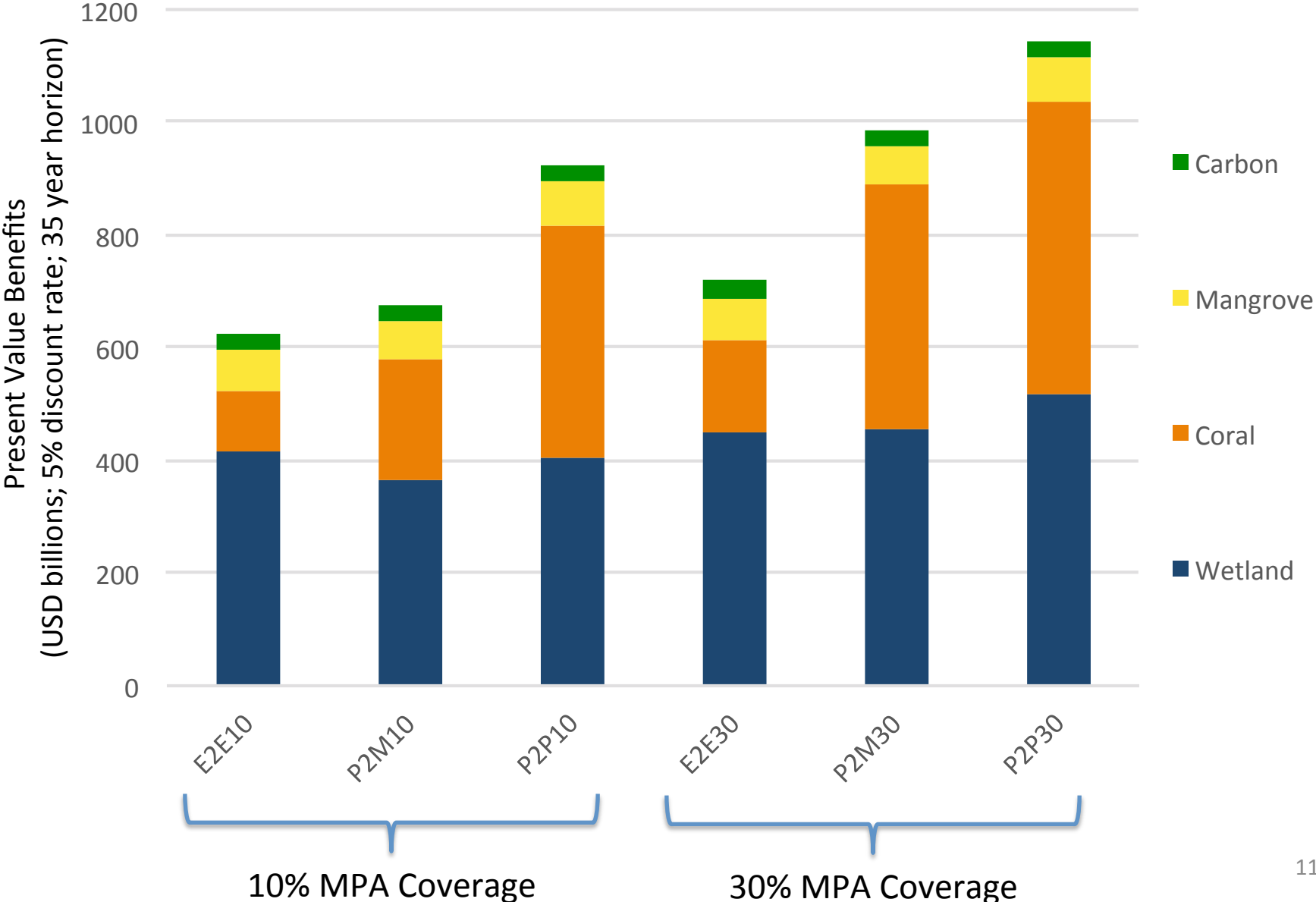
E2E



Current MPAs



Global benefits of MPA expansion



On-going and Future Developments

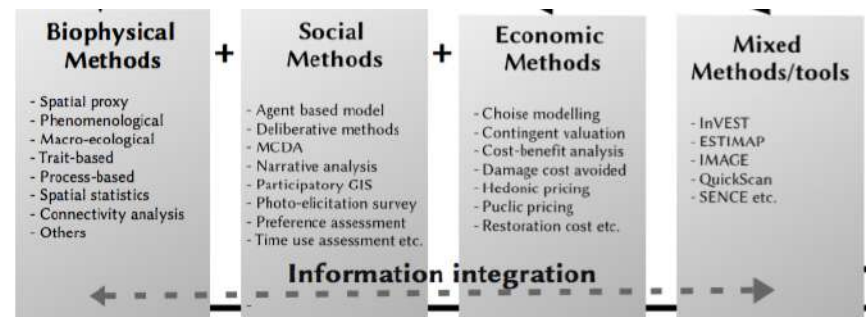
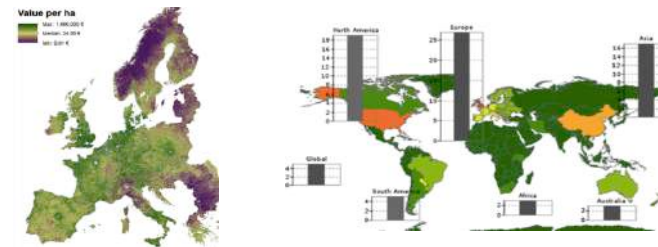
- Increasing integration:

- Valuation methods

- Multiple ES and trade-offs

- Use of GIS and spatial data

- Bio-physical and socio-cultural methods



Thank You!

