What steps have the public and private sectors taken to value, protect and enhance water ecosystem services?





Methodologies and Frameworks (across scales and purposes)

Stanford, US: April 2013

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Learning from experience ... how, what, when, where and why? ... drivers behind the methodologies

Processes –

What is an appropriate process to develop an ecosystem services framework?

Information –

What type of information is required to support an ecosystem services framework?

Decision Support Tools –

What type of decision support tools are required to support an ecosystem services framework

... synergies, interconnectedness, ...

International/National Scale

- Environmental-Economic Accounting (UN SEEA; WAVES);
- Economic valuations (TEEB);
- Intergovernmental Panel on Biodiversity and Ecosystem Services (UN);
- Networks and collaboration (Ecosystem Services Partnership);
- Linking biodiversity science and human well-being (DIVERSITAS);
- Status and trends (poverty alleviation) (MA);
- Policy responses (UK NEA; US EPA);
- Community and consumer education: eco-labeling (Rainforest Alliance)
- Payment schemes for multiple benefits (Forest Trends);
- Business sustainability reporting (WRI; WBCSD);
- Wetland assessment (Ramsar);
- Climate change strategies (IPCC);
- Nature/ biodiversity conservation strategies (CBD);
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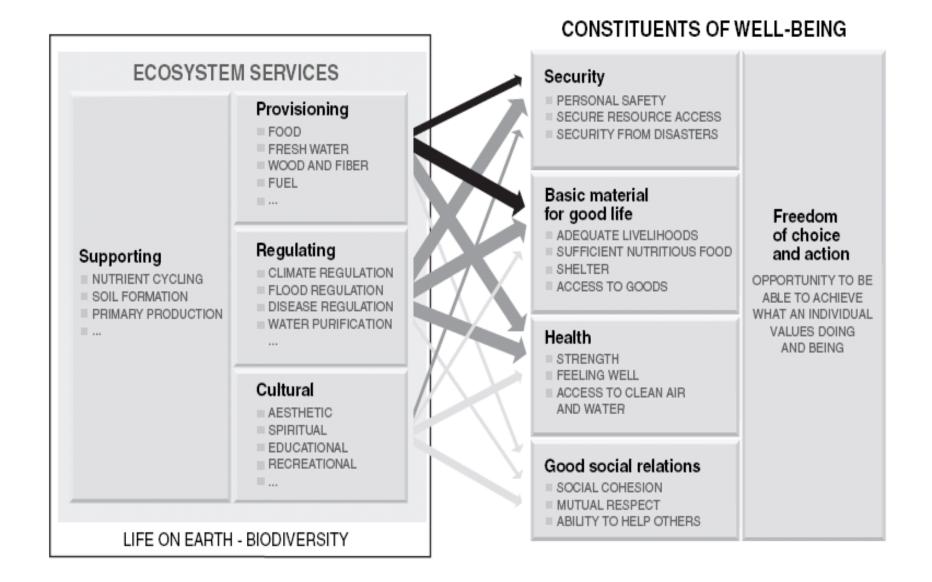
State/Regional/Local Scale

- Statutory Planning Documents
- NRM Plan targets
- Integrated Catchment Management
- Restoration initiatives
- Local Govt Planning Schemes and Community Plans
- State of Region/State of Environment
- Climate change mitigation sites
- Nature Conservation Strategies
- Water Resource Strategies
- Business Strategies
- Property Management Planning





Millennium Ecosystem Assessment (UN 2005)



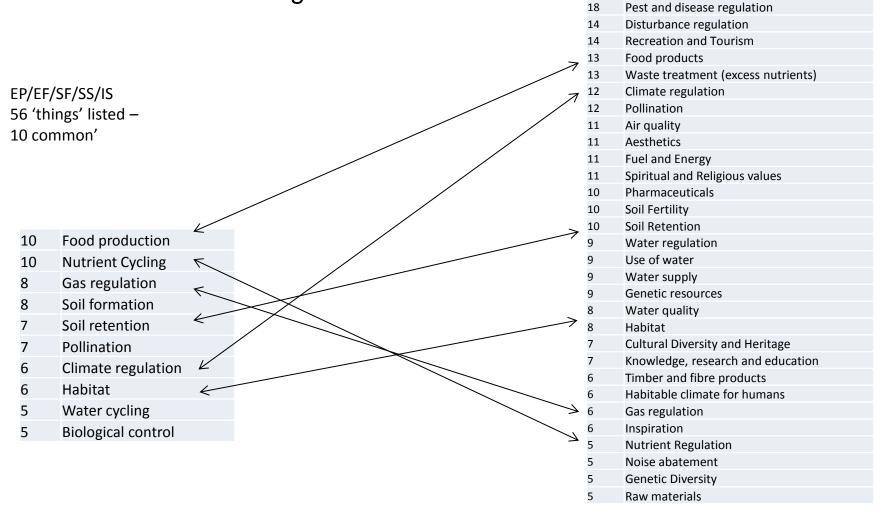
Underpinning Drivers of Methodologies

- Researchers
- Organisational missions and mandates
- Culture
- Who was involved (e.g. geodiversity, types of economists,..)
- ES language/definitions/ terminologies
- Existing information not necessarily the right information (e.g. habitats, ecosystems, environmental classes)
- Flexibility of application capacity of stakeholders
- Resources available
- Policy led or policy relevant
- Scale ES are derived, ES received, framework development and application, policy and management, ...
- Purpose End Users who will apply the framework? Who are you trying to influence?
- Purpose valuation (\$, scores, ...)??

Towards a Common Classification – across scales and purposes

Inconsistent Terminology ... however some convergence.

FES/FEGS/ES/ES/G/B 191 'things' listed – 30 common



Process is as important (if not more) as product!