

Mid Term review WP9

Tools: Application, Benefits and Linkages for Ecosystems

(TABLES)

Work Packages 9 and 10:

“Identify, Develop and Test tools to embed ecosystem thinking in daily policy and decision-making practices”



The challenge



Research



Policy



Delivery



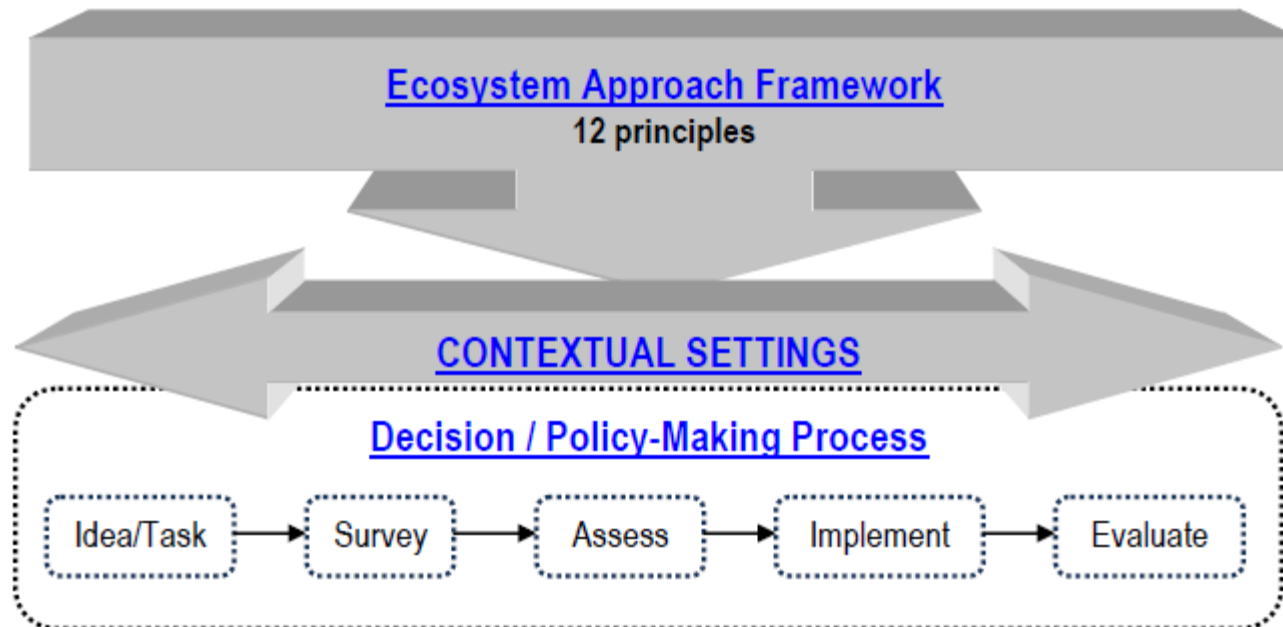
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BAW
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(adapted from Waters, 2012)

Our key assumptions

- Ecosystem services should be used under the umbrella of the ecosystem approach
- Tools are not separate from the cultural context in which they are used



The key assumptions

- Champions and innovators in policy and practice are the best people to work with in this research
- Many agencies outside the natural environment have no understanding of the ecosystem approach/ecosystem services
- Important to develop a toolkit that supports and add value to existing work without imposing costs



The bolt-on trap

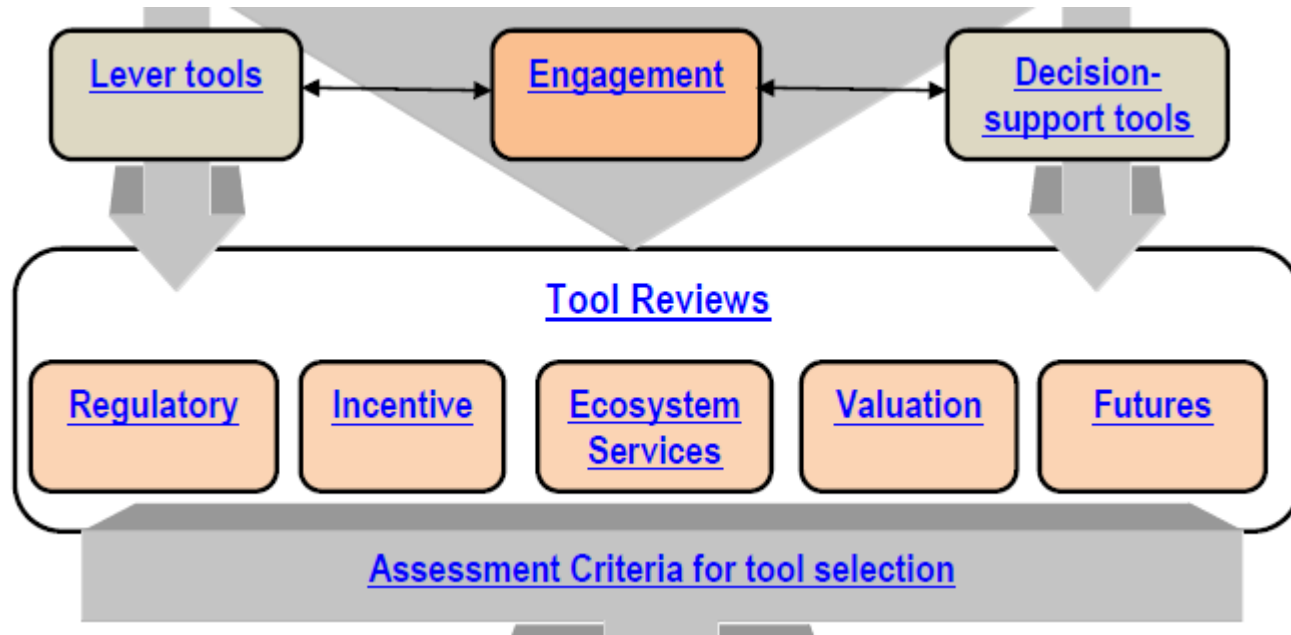
By focussing on developing tools within a framework that marries the ecosystem approach within decision and policy-making processes, we confront explicitly the danger of tools being used in isolation merely as ‘bolt-ons’ which can all too easily typify responses that seek to, or implicitly serve to, perpetuate the status quo

Our response

1. Build an interdisciplinary team
2. Developing a framework within which we can prioritise tools for ecosystem proofing
3. Developing generic guidance that supports the use of any tools in decision making processes with particular focus on our preferred tools
4. Testing the framework, guidance and tools in real life settings using our case studies as appropriate

WP9 steps

1. Ecosystem approach umbrella adapted
2. Case studies of good practice identified
3. Decision making framework linked to EA
4. Interviews to identify tool review template
5. Individual Tool reviews by team
6. Tool typology developed by team
7. Literature reviews of typology undertaken



Ecosystem service tools



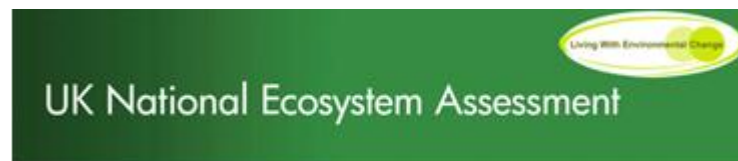
- Payment for Ecosystem Services (Lever)
- Ecosystem Assessment (Support)
- LEDE tool (Support)
- Asset Check (Support)
- ARIES (Support)
- MIMES (Support)
- Natural Character Areas (Support)
- SCCAN (Support)
- Corporate Ecosystem Valuation (Support)



Valuation tools



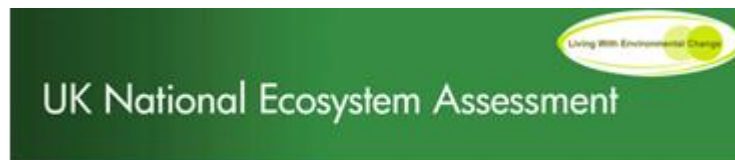
- Cost Benefit Analysis (Support)
- Corporate Ecosystem Valuation (Support)
- Multi-Criteria Analysis (Support)
- Deliberative Monetary valuation
- Social Return on Investment (Support)
- InVEST (Support)
- Polyscape (Support)



Regulatory



- Environment Impact Assessment (Support)
- Strategic Environmental Assessment (Support)
- Regulatory Impact Assessment (Support)
- Community Infrastructure Levy (Lever)
- Green Belt (Lever)
- Building Regulations



Incentives



- Taxes (green or otherwise) and conditional tax reliefs (Lever)
- Payments for Ecosystem Services (Lever)
- Biodiversity Offsets (Lever)
- Tax Incremental financing (Lever)

Futures tools

- Scenarios (Support)
- Foresight (Support)
- Backcasting (Support)
- Wind Tunnelling
- Visioning (Support)

Public engagement tools



- Delphi Technique
- Participatory Mapping (Support)
- Participatory Budgeting (Support)
- *Narratives and Stories (Support)
- Stakeholder analyses (Support)
- *Participatory appraisal (rapid)
- Focus groups



The plans ahead

- Assessment of favoured tools by workshops
- Ecosystem proofing of selected tools by workshops/team (Friday 8th February)
- Production of guidance for effective use of toolkit
- Testing of tools in field situation by case studies
- Feedback
- Final iteration

Decision / Policy-Making Process

Idea/Task

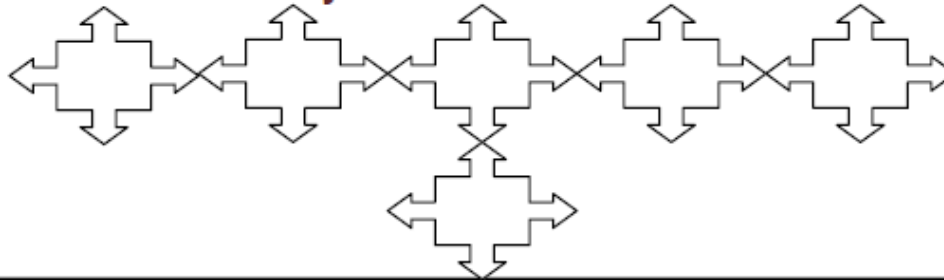
Survey

Assess

Implement

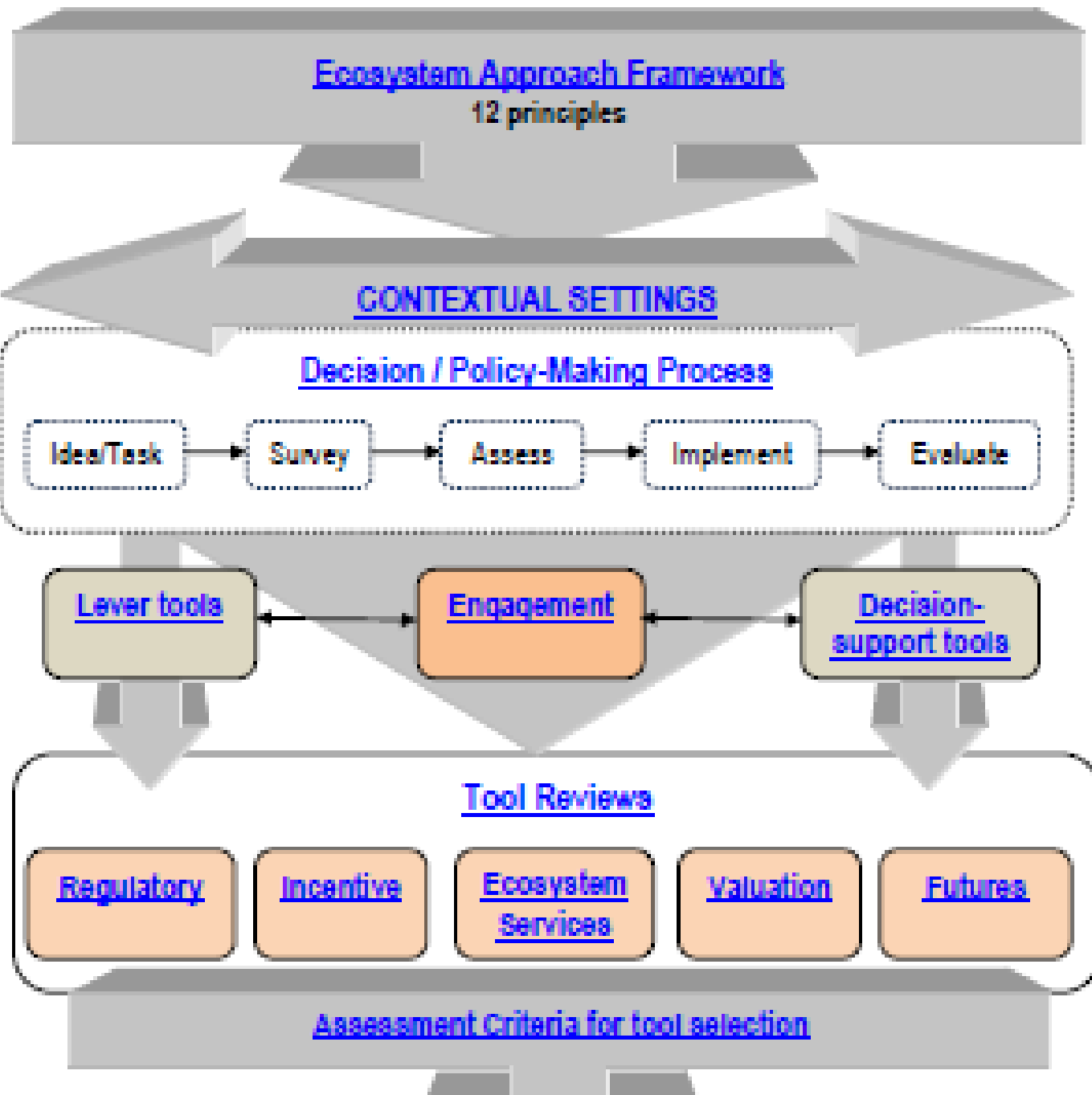
Evaluate

Ecosystem-Proofed Toolkit



Piloted in field situation





Tool Reviews

Regulatory

Incentive

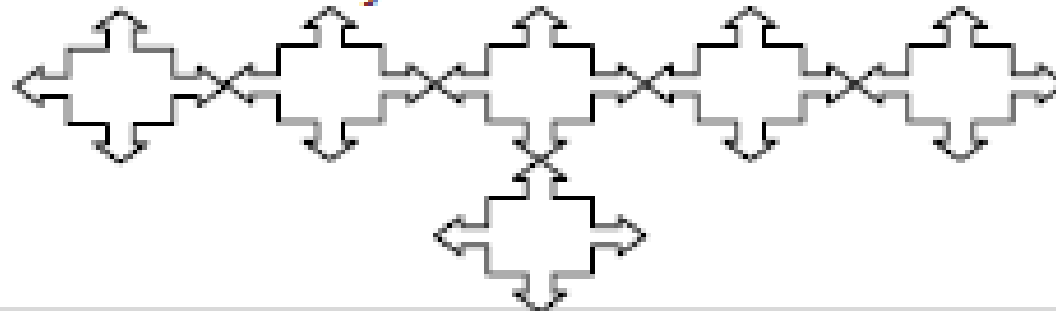
Ecosystem
Services

Valuation

Futures

Assessment Criteria for tool selection

Ecosystem-Proofed Toolkit



Piloted in field situation



Tools currently favoured



- Strategic Environmental Assessment
- Asset Check
- Natural Character Assessment
- Payment for Ecosystem Services
- Scenarios
- Corporate Ecosystem Valuation
- Environmental Impact Assessment
- Biodiversity Offsets
- InVEST
- SUDs



Tables Knowledge Exchange Events



- TABLES workshops October and December 2012
- Natural England workshop November 2012
- BESS York
- LWEC Aston University Journey to Adaptation (November 2012)
- Natural Resources Wales workshops x2 (October 2012 January 2013)
- International Association of Impact Assessment (February 2013)
- Greater Birmingham and Solihull Local Enterprise Partnership December 2012 - February 2013
- LNP workshop February 2013



Convention of Biological Diversity

adapted

- 1 Management of land, water and living resources is based on **societal choices**.
- 2: Management should be **decentralized**
3. Managers should consider **adjacent effects** (actual or potential) of their activities
- 4: Manage the ecosystem in **an economic context**.
- 5: Maintain and enhance **ecosystem services**
- 6: Identify **environmental limits** of ecosystems.

Contd.

- 7: Manage at **appropriate spatial and temporal scales.**
- 8: Recognize varying temporal scales & lag-effects and manage for the **long term.**
- 9: **Manage change** to best advantage
- 10: Seek **appropriate balance** between, and integration of, conservation and use of biological diversity.
- 11: Consider **all forms of information**; scientific and indigenous & local knowledge, innovations & practices.
- 12: Involve all relevant sectors** of society and science