

Ecosystem Approach Working Group

2nd Workshop: Prioritising Ecosystem Services and Appraising Indicators.

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**EAWG (Ecosystem Approach Working Group)
Ecosystem Services Theme, RESAS Programme 2011-2016**

Setting the scene:

Aim of EAWG:

- Build links and work together
- On developing and implementing the Ecosystem Approach
- Links within SG programme and between SG programme and others
- Align with synthesis and review phase activities of the Ecosystem Services Theme (EST)

2-way interaction: EST ↔ EAWG

Table 1. EAWG Topics	When?	S&R topic
Prioritising Ecosystem Services	Workshop 2. (Nov 2011)	
Appraise possible indicators	Workshop 2. (Nov 2011)	Indicators.
Frameworks for ESS and EA - conceptual and decision making	Workshop 3 (Mar 2012)	Frameworks and terminology. Decision making (incl. barriers and policy) contexts and sectors, trade-offs.
The role of biodiversity in delivering ES. Identify relevant common case study systems including scale related questions.	Workshop 4 (Jul 2012)	Biodiversity and biophysical underpinning.
Valuation of ES and links to human wellbeing and benefits	Workshop 5 (Nov 2012)	Benefits and Valuation.
Identify relevant scenarios of change for use in EST.	Workshop 6 (Mar 2013)	Scenarios, pressures and drivers, risks and uncertainties

Prioritising Ecosystem Services

Activity 1. The matrix.

- 5 stations each representing one policy area:
(low carbon, food security, recreation, biodiversity and water management)
 - 3 tasks at each station: Identify the important ES for that policy goal for:
 - a) Scotland,
 - b) Uplands and
 - c) lowland arable
- } 2 example land-use systems
- Rotate around the stations (12 mins/station)
 - Report on the results of the station you end up at.
 - We will use these results as the basis for the after lunch activity.

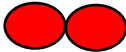








Prioritising Ecosystem Services?

- Prioritising ecosystem services provides a focus for the next stages.
- We need to know the important services in relation to policy goals and where we want to be in the future (LUS context)
- We need to know how these ecosystem services differ in importance depending on the land-use system

Prioritising Ecosystem Services: in what context? The Land-use strategy

Low carbon economy	Safeguarding food production	Halting biodiversity loss	Enhancing recreation opportunities	Sustainable water management
Avoid trees on deep peat soil	Safeguard against inappropriate use.	Farm woodland Protected areas	Avoid woodland removal	Extreme weather events
Avoid woodland removal.	Reducing GHG emissions (NO & CH4).	SBS, LBAPs Soil functions	Farm woodland Green space	Flood prevention Water quality
80% renewable energy.	Dealing with changing pests and diseases	Invasive, non-natives	Livelihoods Cultural tradition	Pollution control
Reducing GHG emissions.	Appropriate crops	Deer Ecological networks	Health and well-being Urban green space	
Mitigate the impact of timber transport.	GAEC	Pollution	Access Tourism	
Peat restoration.		ESA Aichi Biodiversity targets (CBD)	Sense of identity Food Community	
			Transition network	

Which ecosystem services are important for achieving the broad land-use strategy policy goals?

<u>Policy Goal</u>	<u>Low carbon economy</u>		
	Scotland	Uplands	Arable
<u>Ecosystem service</u>			
Crops (e.g. food)			
Livestock (e.g. food)			
Fish (e.g. food)			
Trees (e.g. energy, carbon)			
Standing vegetation (e.g. fibre, energy, carbon)			
Peat (e.g. energy, carbon)	