



Developing a Strategic Framework for the Ecosystems challenge

Briefing Note and Preparation

11th March 2011, 10:00 to 16:30hrs

Charles Darwin House Conference Centre, 12 Roger Street, London, WC1N 2JU

Overall Objective for the day:

To identify and prioritise issues and needs that will enable the UK to manage ecosystem services for human well-being and to protect the natural environment in a changing world. Particular emphasis will be placed on

- Short, medium and long term needs and issues
- Trends and drivers
- Specific challenges relating to high level objective
- the knowledge, tools and foresight needed to deliver this
- Resources

Agenda:

Refreshments will be available through out the day

9:30	Registration , arrival and coffee	
10:00	Introduction, agenda and process	15 mins
10:15	Participants share perspectives	1hr
11:15	Trends and drivers	45 mins
12:00	Challenges – Plenary	1hr
13:00	Lunch	45 mins
13:45	Needs for Knowledge, tools and foresight	45 mins
14:30	Identify challenges topics for breakout groups	15 mins
14:45	Explore focused topics – Breakout groups	1 hr
15:45	Present back / review	30 mins
16:15	Next steps – Plenary	30 mins
16:30	Close	

Preparation

Please take a short time to read the below brief and to document your thoughts **prior to the workshop**, by completing your details and adding some bullet points to the template attached.

The template represents a simplified version of a completed roadmap:

- Columns cover the short, medium and long-term timeframes
- Rows cover the Trends & Drivers, Challenges, Needs (for Knowledge, Tools & Foresight) and Resources

Please add a few bullet points where you see the key issues – max 3 per box.

At the workshop, each participant will be asked to present their perspectives slide for a maximum of 2 minutes. There will be plenty of time during the rest of the day to add further thoughts.

Please email the **completed template** to Samantha Austin at sam.austin@lwec.org.uk by **4th March**

Thank you

LWEC Vision and Strategic Challenge

To optimise the coherence and effectiveness of UK environmental research funding and ensure government, business and society have the foresight, knowledge and tools to mitigate, adapt to and benefit from environmental change.

Climate Challenge: To predict the impacts of **climate change** and to promote sustainable solutions through mitigation and adaptation

Ecosystems Challenge: To manage **ecosystem services** for human well-being and to protect the natural environment in a changing world

Resources Challenge: To promote human well-being, alleviate poverty and minimise waste by ensuring a **sustainable supply of food, water and other resources**

Health Challenge: To protect human, plant and animal **health** from diseases, pests and environmental hazards in a changing environment

Infrastructure Challenge: To make **infrastructure, the built environment and transport** systems resilient to environmental change, less carbon intensive and more socially acceptable

Societal Challenge: To understand how **people** respond to a changing environment and develop thriving, cohesive and informed communities

The Ecosystems Challenge

To manage ecosystem services for human well-being and to protect the natural environment in a changing world

To assess the links and feedbacks between the natural environment, ecosystem services and human well-being; how these might continue to develop within environmental limits in the face of major environmental change; and how decision-making and local and national planning can take account of these links and feedbacks to help in the development of new social, environmental and economic opportunities.

What is Roadmapping?

Roadmapping uses a graphical approach to visualise an entire strategy on a page. It provides a framework to help organisations tackle fundamental questions applicable in any strategic context and is used extensively at company, sector and national levels to align investment and research with strategic goals. Significant features of roadmapping are its breadth and versatility: roadmaps can encompass a complex scope of issues and long time frames, whilst at the same time focusing down on critical details, leading to decisions and actions.

Roadmapping and LWEC

The UK needs to have a robust understanding of environmental knowledge needs so that investment can be prioritised effectively. The UK also needs to clarify what the desired outcomes of using existing and deploying new knowledge would be and the smartest route to achieving these. Roadmapping is a first step technique in developing strategic frameworks for LWEC that helps to achieve such clarity. But its success depends on participation from a balanced mix of strategy- focussed business leaders, policy-makers, regulators, research managers, NGOs and others. This is why we need your contribution.

Roadmapping and LWEC Strategic Frameworks

The outputs from this roadmapping workshop will be used as a first step to developing strategic frameworks that will identify and prioritise issues and needs for each of the LWEC strategic challenges. It is important to recognise that not all priorities will lead to the development of new research; a number of knowledge exchange activities, including reviewing current research and evidence, knowledge exchange fellowship placements, networks or communities of practice, could be suggested at implementation for potential delivery mechanisms. In addition, it is likely that some priorities will be identified that are on the periphery of LWEC remit and such delivery will involve collaboration with other initiatives such as RCUK Priority Themes or UKCDS. Furthermore, some of the issues or needs identified by the strategic frameworks may still be at a sufficiently high level that direct delivery mechanisms cannot be identified. In these instances the implementation plan may recommend that further work will be needed to identify the priorities in these areas.

After all the Challenge roadmapping workshops have been considered there will be a further workshop specifically dedicated to cross-cutting issues. All the workshop outputs will be accompanied by a gap analysis of evidence mapped against needs. This, and information collated from recent reports or reviews, for example, will make up the strategic framework. Workshop

participants and others be given the opportunity to comment on draft framework documents over the summer. During the Autumn 2011 implementation plans will be developed for the frameworks although work on implementation will begin in priority areas before this.

What you get from this roadmapping event

As a business person:

- An opportunity to voice your business/industry needs for R&D
- Access to leading UK experts in a particular challenge area
- Routes in to the latest knowledge base in a challenge area
- A chance to shape strategy that will provide knowledge for future business growth

As a policy/evidence person:

- An opportunity to voice needs of R&D to fill evidence gaps in your policy area
- Access to UK expertise and the latest knowledge in your policy area
- A chance to influence how knowledge is delivered so that it better informs the challenges you face
- A chance to help shape the future investment portfolio of environmental research and observations

As someone from an NGO:

- A chance to extend your networks and engage with the latest expertise in your field
- An opportunity to influence UK investment strategy on environmental knowledge needs
- Connection to a knowledge hub that can be opened up to all your stakeholders

EXAMPLE TEMPLATE

NAME:		Organisation:		
		2011 – 2014 SHORT TERM	2014-2018 MEDIUM TERM	2018-2030 LONG TERM
Trends & Drivers	Social		Population growth	
	Technological			
	Environmental	Land Security	Water Framework Directive	
	Economic			Resource constraints
	Political & Legal			
Challenges	Biodiversity		Impacts of climate change on biodiversity	
	Habitat composition & extent	Coastal (habitat) squeeze		
	Economic instruments			
	Land and sea use			
	Ecosystem services		Costing threats to ecosystem services	
	Pollution			
	Invasive species			
	Agriculture & productivity			
Others				
Knowledge, tools & Foresight	Biotechnology and Biology			
	Engineering and Physical		Modelling for infrastructure Capacity	
	Economic and Social	Practical management tools		
	Medical			
	Natural Environment			
	Cross-Cutting			
	Other			
Resources	Funding & resources			
	Standards & measurements			
	People and skills	Skills for STEM		
	Facilities & infrastructure			
	Partnership & Supply chain		Ecosystem services regulation	
	Policy & regulation			

About Living with Environmental Change (LWEC)

LWEC is an influential partnership of 22 public sector organisations that invest money for UK taxpayers to reach “solutions” to urgent challenges and realise opportunities that environmental change can bring.

LWEC partners, can pool resources to develop a “whole systems” approach to research. For instance, bringing together different types of expertise to discover how to preserve the health of the insects we need to pollinate our crops, or collaborating to create the best conditions for commercial innovation in for example, low carbon vehicles.

For more information about LWEC please visit: www.lwec.org.uk



In collaboration with:

