



From valuing nature to policies and decision making: Co-developing and implementing a 25 year planning tool for the natural environment

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## Natural Capital Models



## The Placement: Aims



**Compile** a detailed assessment of user needs around spatial decision support tools (like TIM) across the entire Defra network



Assess co-development options for the tool to enhance usability and the decision making context in which it can be best applied



- Facilitate understanding and uptake of the tool in a different institutional setting
- **Learn** key concepts in policy analysis, development and decision making

### Towards an Integrated Approach

What **questions** could integrated models help to answer? What is **missing** from existing Natural Capital models? How could these models be made more **accessible**? What **skills** are needed to use the models?

## Detailed Assessment of User Needs



Joint Nature Conservation Committee

NATURAL ENVIRONMENT RESEARCH COUNCIL

### Methods

Individual interviews Group discussions and worksho road on the second Sency ment academics Shadowing senior staff at Defra policymakers practitioners

Developing a crossdisciplinary dialogue Exploring potential use and uptake of tools in different institutional settings

## Timeline



### Identifying Key Themes

3 months

51 meetings 23,000 words

2 workshops



### Testing User Interfaces



## Exploring policy applications

Home 
 Cumbria Tim demo

New Map 
Create Presentation amy



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Home 
 Cumbria Tim demo

New Map 🔻 Create Presentation 🗏 amy 🔻



## Working with the Carbon Fund for Tree Planting

- £19.4 m over 5 years
- Spent on tree planting costs
- Scheme in England
- Carbon pricing: DECC C3
- Discount rate: 3.5%
- Calculate value for money

## User Needs



## Identifying Extensions



## 41 Potential Extensions



- Menu of extension options
- Categorised by type
- Short, medium and long term options
- Identifies resources needed
- Outlines investment pathways

## Extensions to Meet User Needs



### Outputs



- Assessment of User Needs
- Progress report
- Key learning report for Valuing Nature community •







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- Co-developed tool specification
- Co-developed demonstration interfaces
  - Developed EAU dashboard examples
- Analysis for Carbon Fund
- Collaboration with ESI

- Presentation to Defra
- Presentation at envecon
- Presentation at NatCap come...) Symposium
- Video and written
- blog for VNP web
  - (more to





# Thank you

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