



**Swindon & Wiltshire**  
LOCAL ENTERPRISE PARTNERSHIP



UNIVERSITY OF  
**BATH**

# Natural Capital:

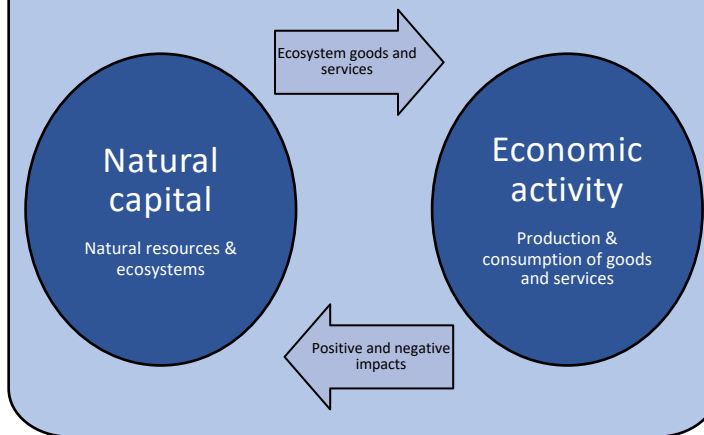
# Specifying the Value of Nature

Parsa Mohammadpour

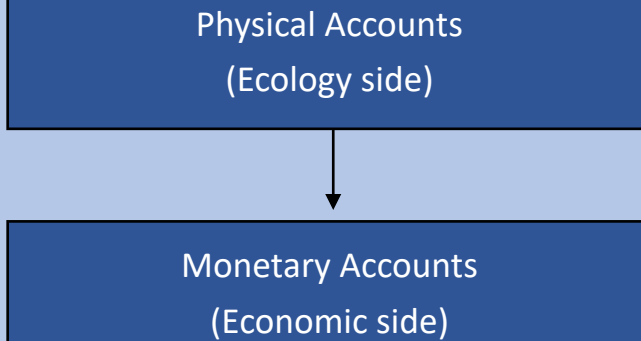
21<sup>st</sup> July

# Overview

## What is Natural Capital?



## How can we measure it?



## How can we use this information?

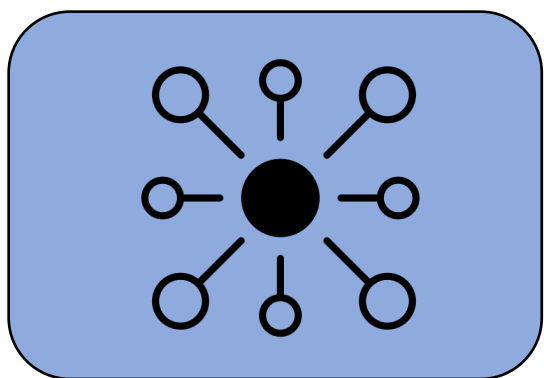
- This is vital for understanding the potential environmental impact of policy options and making evidence-based decisions.
- Natural capital and environmental safeguarding underpins sustainable local economic growth.
- Measuring it can help us understand the local contribution to the Government's Green agenda.

# Update on the national picture and the PhD project

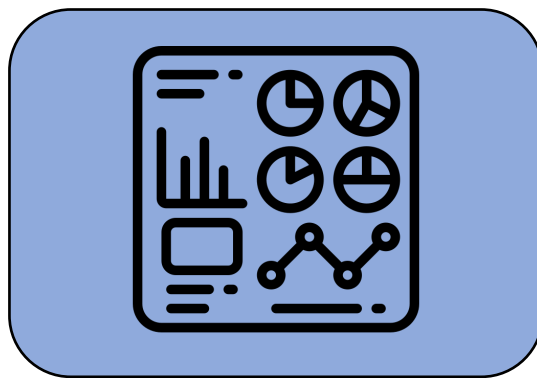
The UK Government has committed to leave the environment in a better state for future generations and reach net zero by 2050 while boosting the economy. But this transformation is pivotal on up-to-date evidence and information.

## Key area of the PhD which focus on the Government's priorities on natural capital:

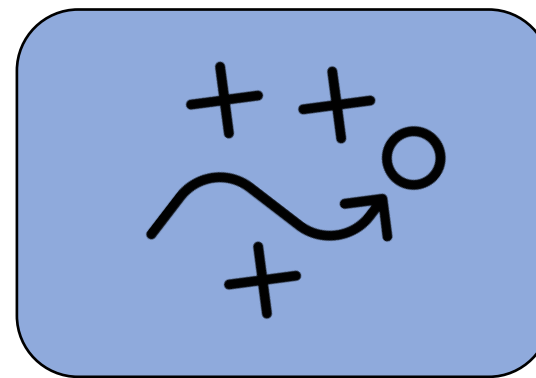
- I. Incorporating natural capital and ecosystem services into policy and management;
- II. Advancing interdisciplinary science of the value of natural capital and ecosystem services, the effects of governance and behaviour, and impacts of policy or management interventions;
- III. Understanding the provision and resilience of ecosystem services; and
- IV. Increasing awareness of the interdependence of nature and people.



**Data Collection and  
Exploration**



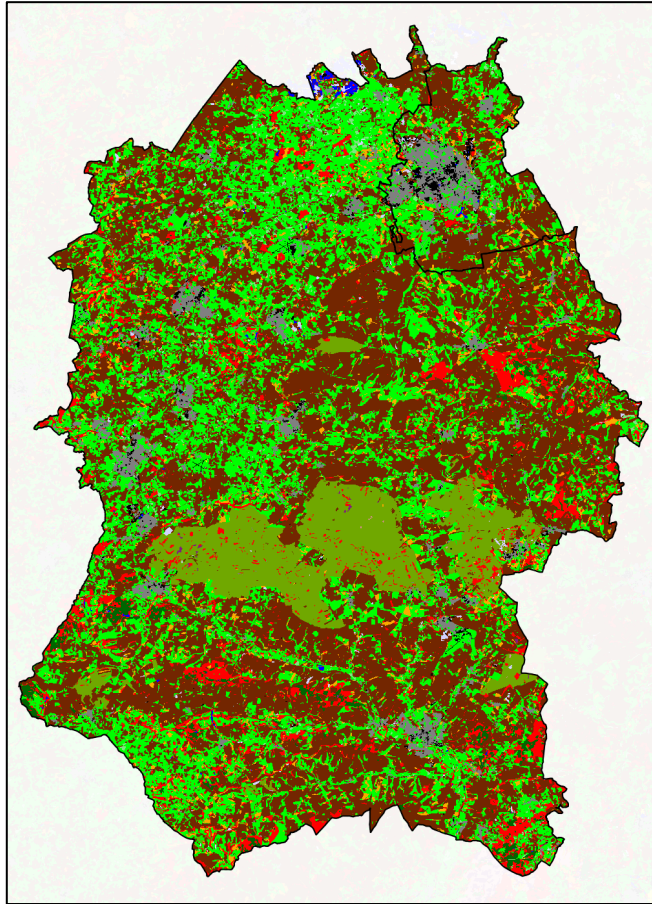
**Application and Usage**



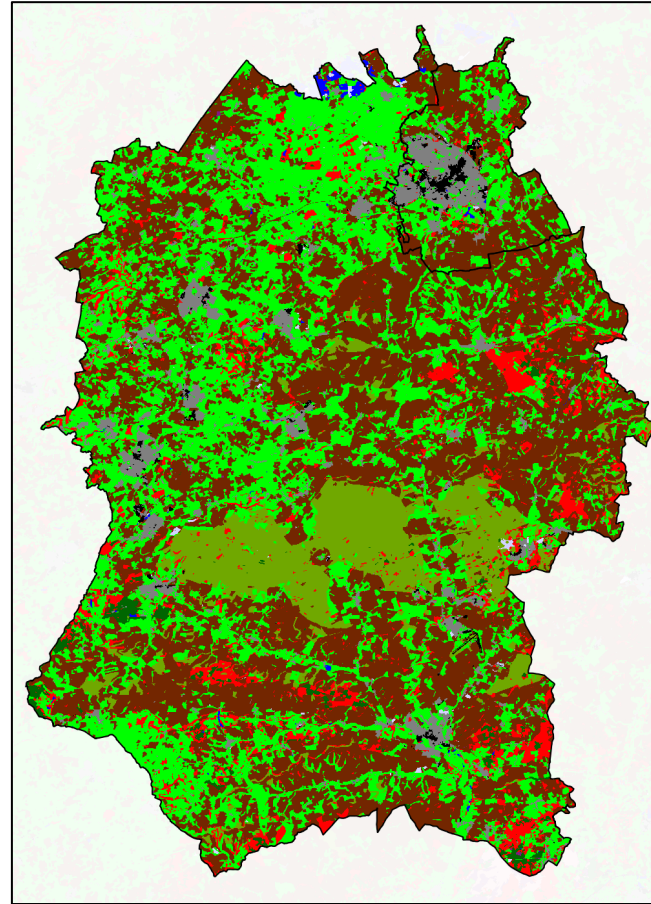
**Embedding Nature in  
Decision Making**

# Recap from last time

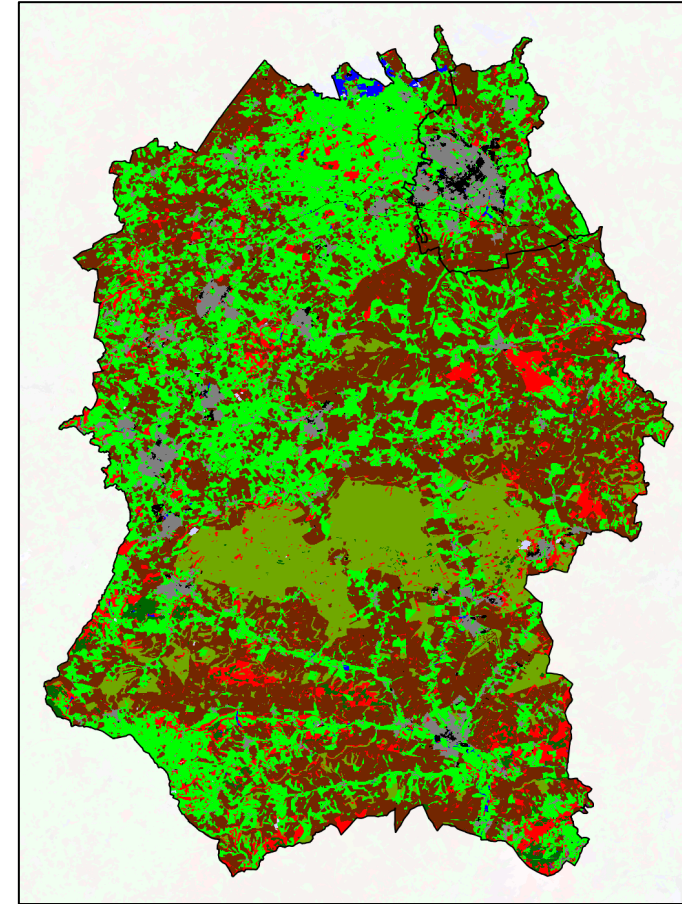
2007















2015



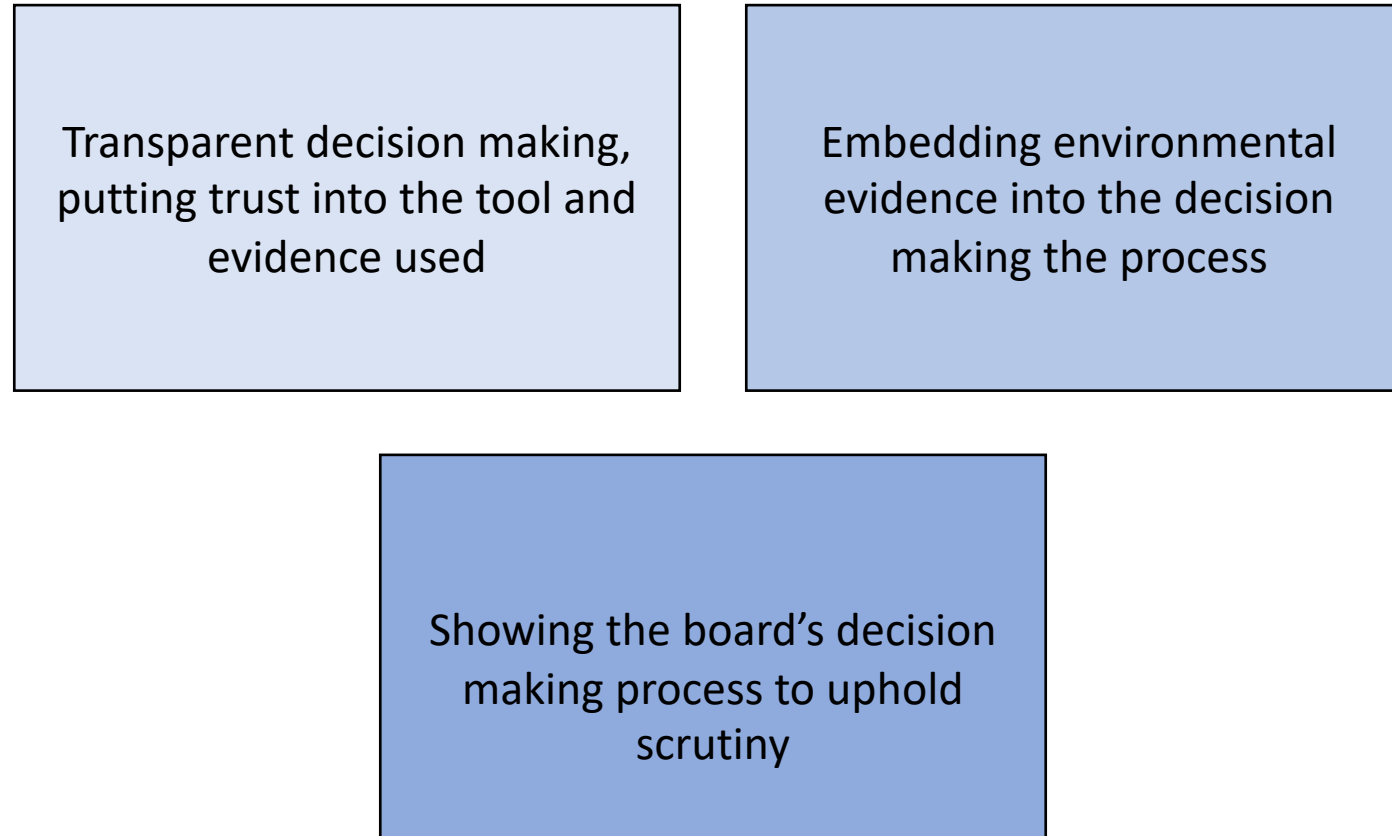
2019



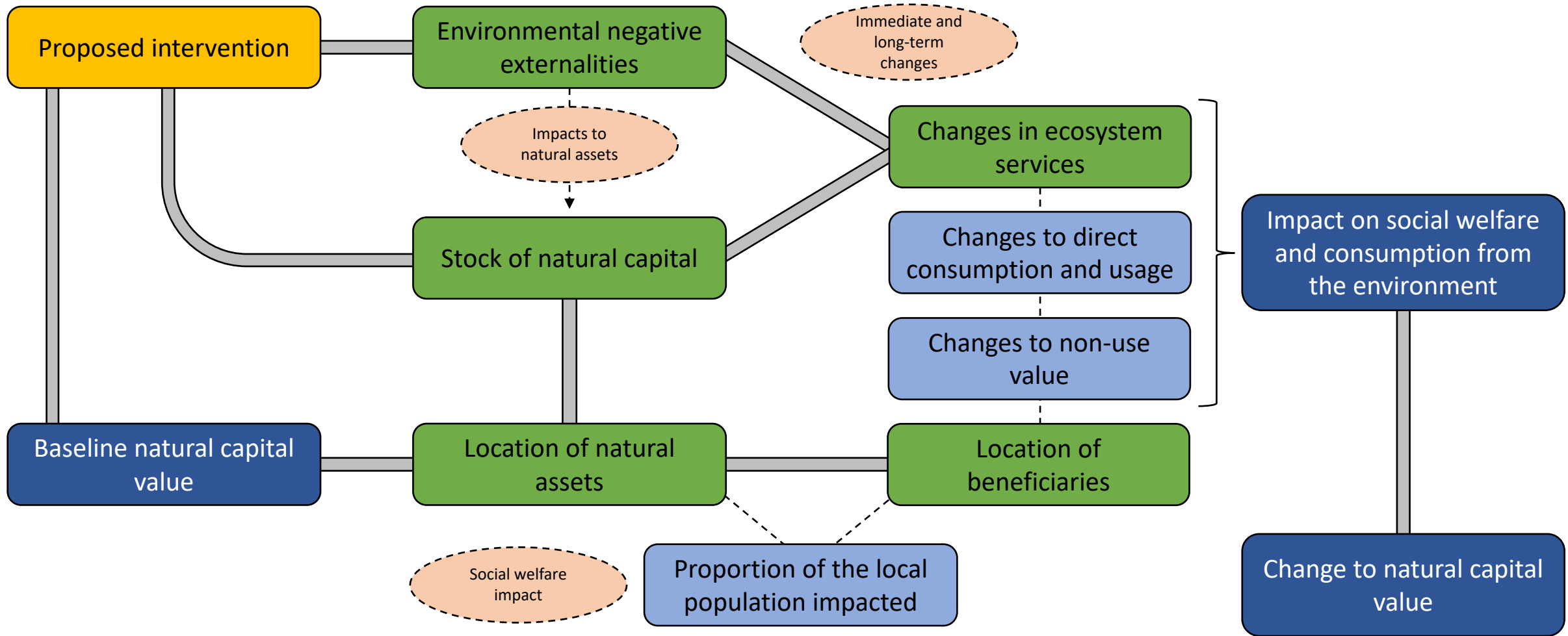
	Arable and Horticulture
	Broadleaved Woodland
	Calcareous Grassland
	Coniferous Woodland
	Rough Grassland
	Freshwater
	Heather
	Heather Grassland
	Improved Grassland
	Inland Rock
	Suburban
	Urban

# Building the modelling framework (1/2)

The modelling framework is a pivotal part of developing and carrying out the analysis within the PhD. The framework provides clear steps to follow and leads to highly structured outputs. Having such a framework allow us to have:

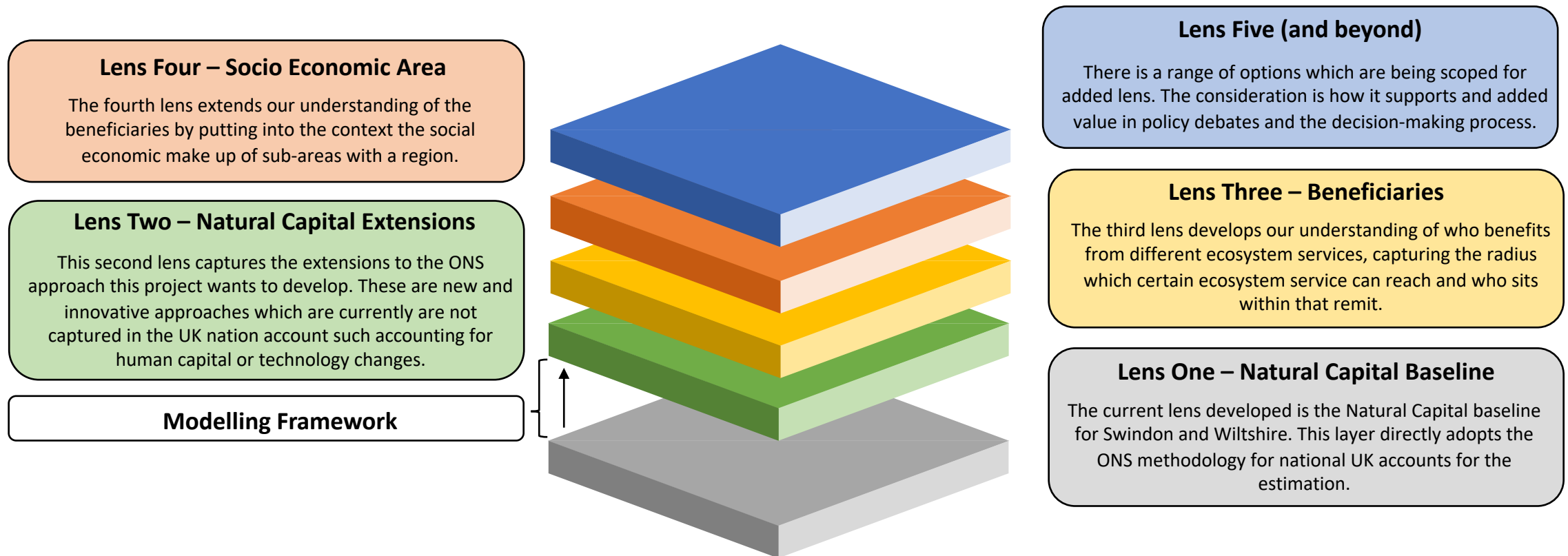


# Building the modelling framework (2/2)



# Next Steps

The modelling framework set the analytical foundation of the project to build on. The next steps will involve applying the model approach to the data and evidence we have. The outputs should be able to display the evidence related to natural capital in different lenses to show different aspects and factors to support the policy decision making process. The below is an illustration of how the lenses will show different pieces of information:



# Update on PhD project milestones and timelines

Milestones and timelines relating to developing the Natural Capital baseline time series for SWLEP can be seen in **Yellow section**, the **Green section** relates to the conceptual Framework of how Natural Capital can inform local decision making.

Milestones

