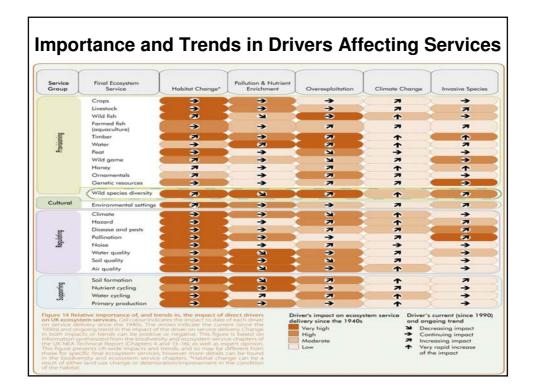
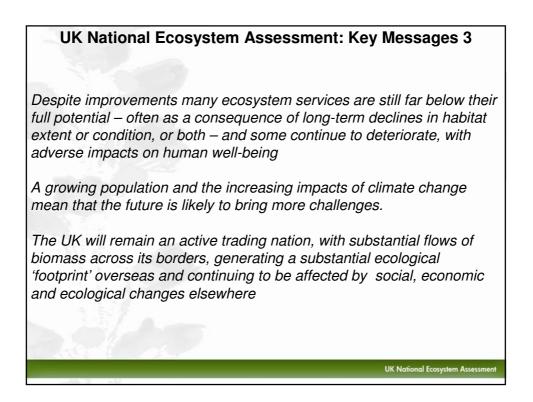
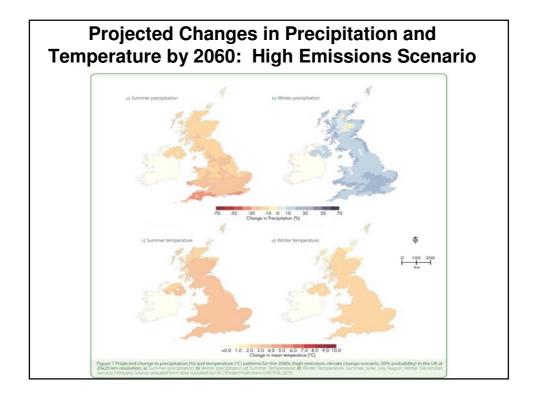
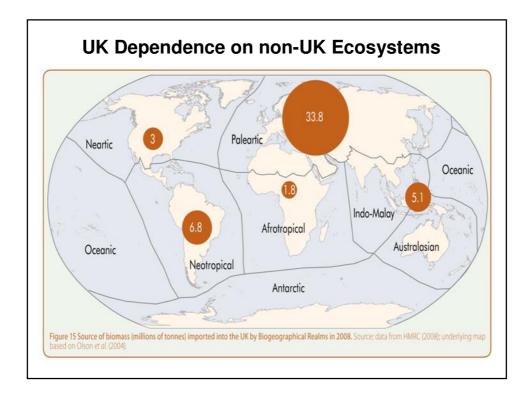


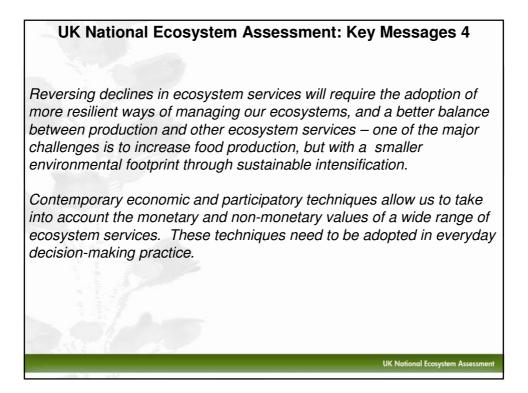
UK NEA Broad Habitat	Habitat Change*	Pollution & Nutrient Enrichment	Overexploitation	Climate Chan	ge Invasive Species	
Mountains, Moorlands & Heaths	2	. ⇒	2		>	
Semi-natural Grasslands	8	●)	2	•	•	
Enclosed Farmland	Ə	່ 🛛 🕽	•	7	3	
Woodlands	•	>	8	2	3	
Freshwaters – Openwaters, Wetlands & Floodplains	•	8	7	7	2	
Urban	. ⇒	(€)	7	7	2	
Coastal Margins	3	[>		2	
Marine	3	9	8	•	•	
Figure 13 Relative importance of, ar Broad Habitat extent and condition on extent and condition of Broad Ha (since the 1990) and ongoing trend 1 the Broad Habitat. Change in both imp based on information synthesteef from Report (Chapters 5–12) and expert op and so may be different from those in can be found in the individual Broad either land use change or deterioratio	. Cell colour indicates the bitats since the 1940s. Th in the impact of the drive acts or trends can be pos m each Broad Habitat cha inion. This figure presents specific sub-habitats or i Habitat chapters. *Habit	impact to date of each drive e arrows indicate the curren er on extent and condition o sitive or negative. This figure is apter of the UK NEA Technica UK-wide impacts and trends egions; however more detail at change can be a result o	and condition of since the 1940s Very high High Moderate	Broad Habitats	Driver's current (since 1990 and ongoing trend → Decreasing impact → Continuing impact → Increasing impact Very rapid increase of the impact	

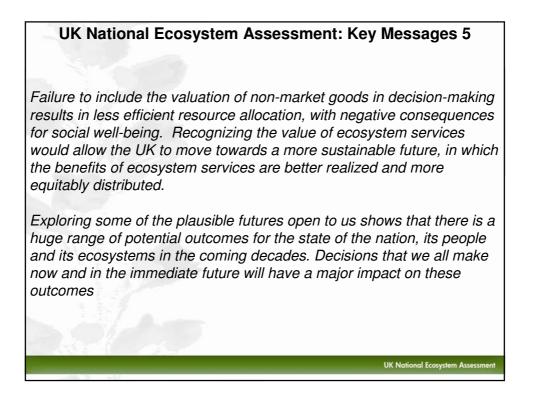


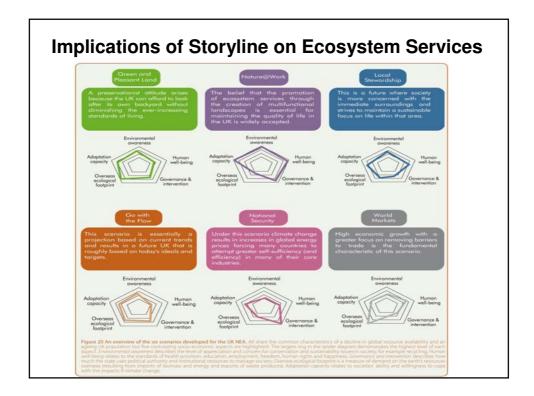


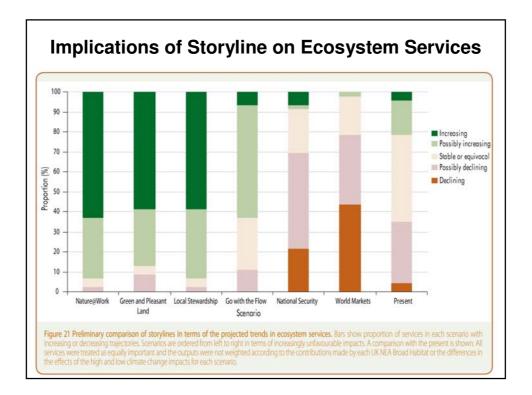








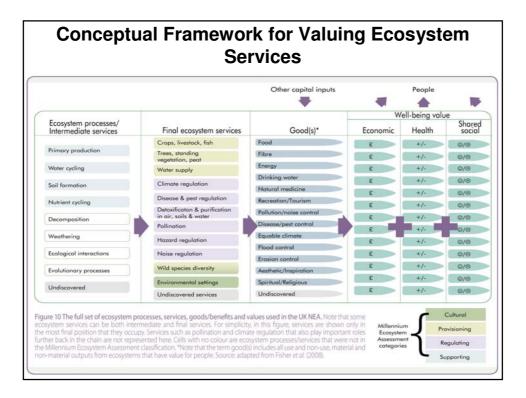


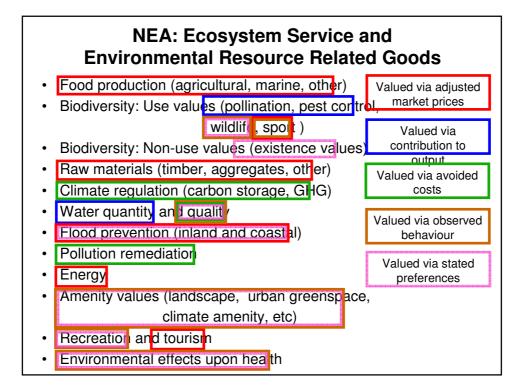


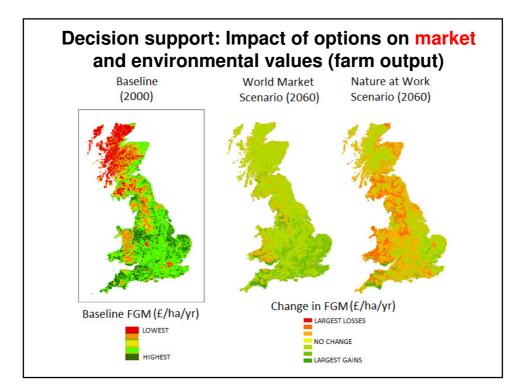
Economic Analysis of UK Natural Environment and Ecosystem Services

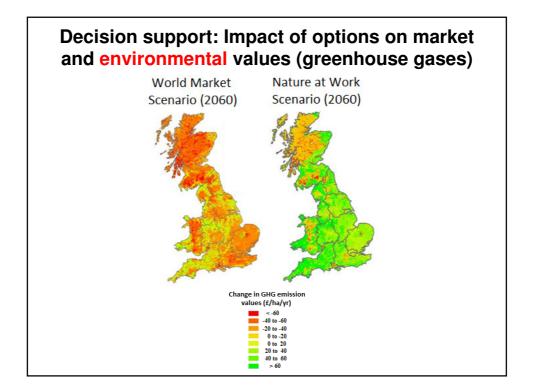
Why bother?

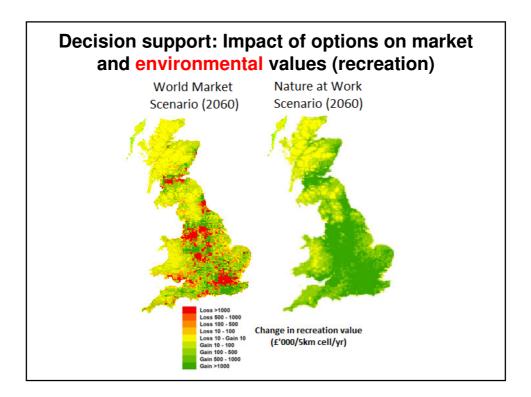
- Free, competitive markets are highly efficient allocators of market priced resources
- But many high value sectors of the economy and many major sources of wellbeing rely upon natural environment resources whose market prices are either poor reflections of value or entirely missing
- E.g. Water quantity and quality, flood defence, recreation and tourism, fisheries, forestry, etc.
- This makes it very likely that decisions are not optimal and do not maximise values
- It also means that, in the longer term, decisions may not be sustainable.

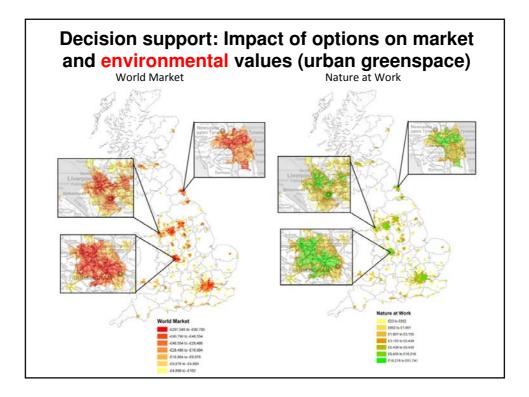


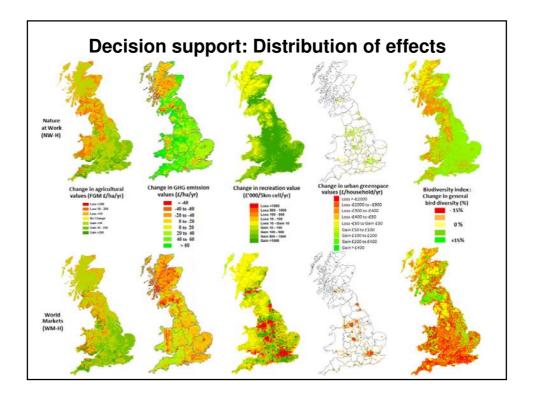




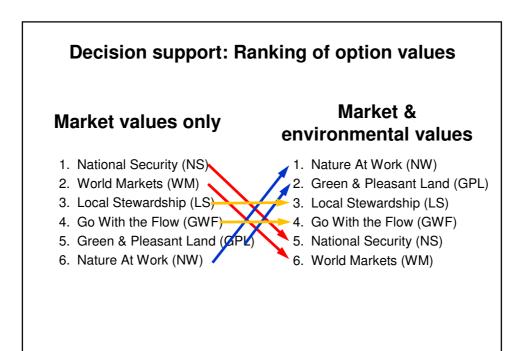


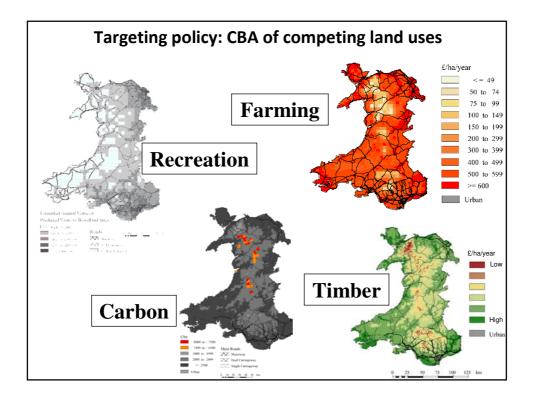


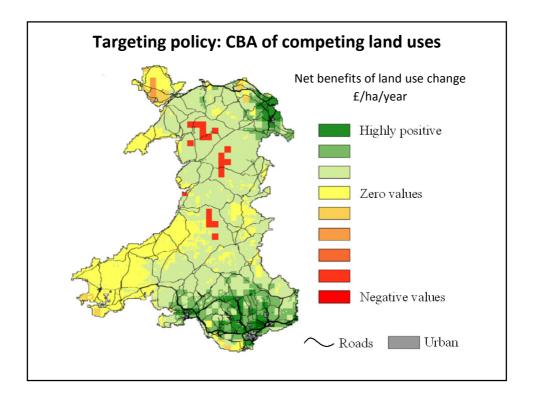


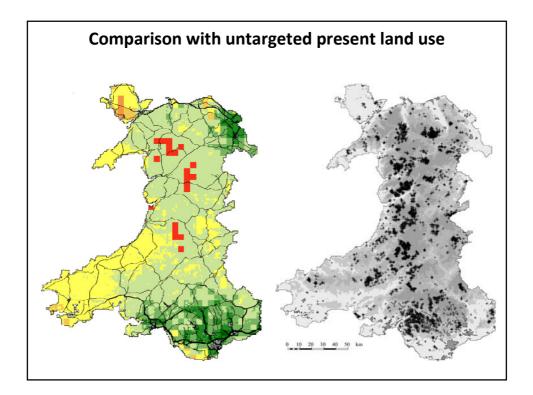


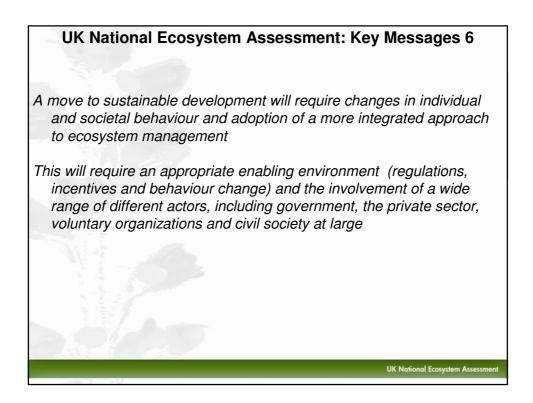
(Emillion per year). Positive numbers in the Scenarios when only their market	dicate imp values an nking whe	provements e considere en all values	from the l d (1= high (market a	baseline (n iest value; nd non-ma	egative nur 6 = lowest rket) are co	nbers indica values with	enarios (low climate change scenario) in Great Brita ate worsening situations). The last but one row ran o green values being positive and purple indicati cenarios are as follows: GF = Go with the Flow; GPL = Green of		
	GF	GPL	LS	NS	NW	WM	* Change in total Great Britain farm gross margin.		
Market agricultural output values *	220	-290	350	680	-510	420	† Change from baseline year (2000) in annual cost greenhouse gas (GHG) emissions from Great Bri terrestrial ecosystems in 2060 under the UK NEA Scenz (millions £/year); negative values represent increase annual costs of GHG emissions		
Non-market GHG emissions †	-800	2,410	-100	3,590	4,590	-2,130			
Non-market recreation ‡	5,710	6,100	1,540	4,490	24,170	5,040	‡ Annual value change for all of Great Britain.		
Non-market urban greenspace ¶	-1,960	2,350	2,160	-9,940	4,730	-24,000	¶ Undiscounted annuity value; negative values indic losses of urban greenspace amenity value. § We acknowledge some double counting between urb recreation and urban greenspace amenity value. Furt data is needed to correct for this.		
Total monetised values §	3,170	10,570	3,950	-1,180	32,980	-20,670			
Rank: Market values only	4	5	3	1	6	2	unters needed to confect for this.		
Rank: All monetary values	4	2	3	5	1	6			



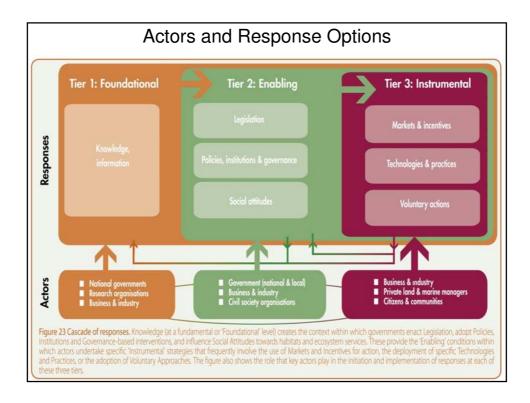












Conclusions

We already have enough information to manage our ecosystems more sustainably and good evidence of the benefits of doing so

Nonetheless improving our understanding of how changes in our ecosystems, in particular halting the loss of biodiversity, influences the delivery of services remains a priority

Finally, while we have illustrated how considering both the market and non-market benefits from ecosystem services can influence economic prosperity, we have to explore ways of also taking account of benefits to health and social values in decision making.

Plans are being discussed for a follow-on phase to the NEA

UK National Ecosystem Assessme