

Ethical Farming Conference Cream o' Galloway Visitor Centre, Gatehouse of Fleet Public Benefits and the Circular Economy 16th May 2019



Scotland's approach to rewarding public benefits from farming

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Who are Scotland's farmers and crofters?:

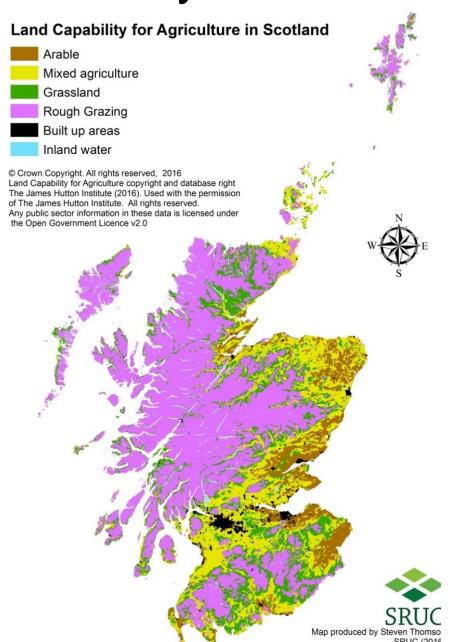


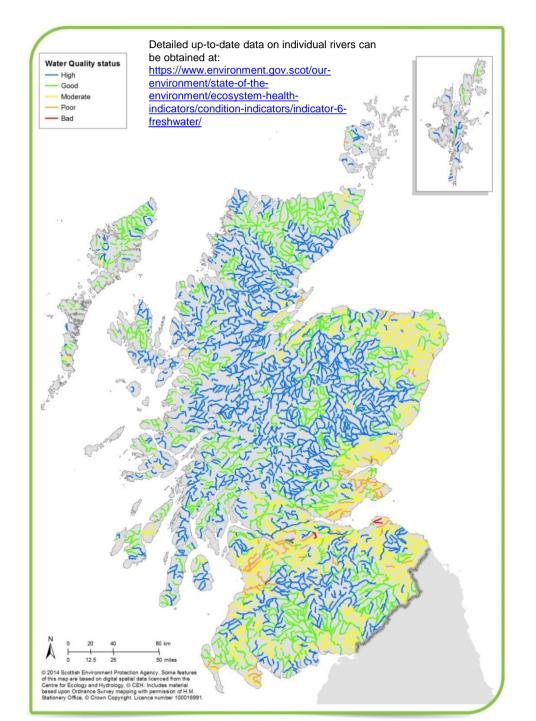
They are the managers of over 70% of Scotland's land area.

As such they have a key role to play:

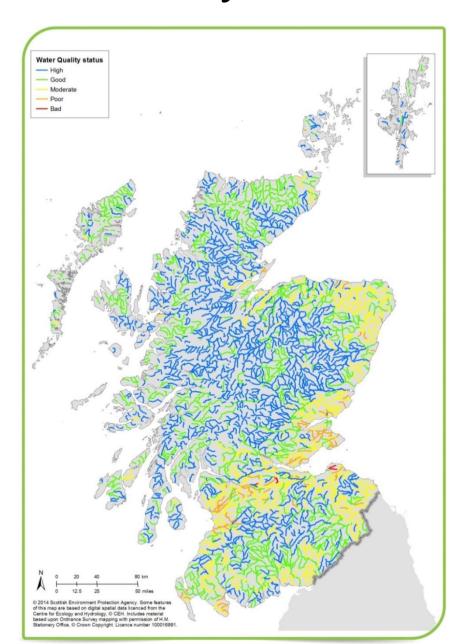
- In maintaining food production
- In managing the wide variety of habitats and wildlife species occurring on that agricultural land
- In providing a wide range of other public benefits to society

Water Quality





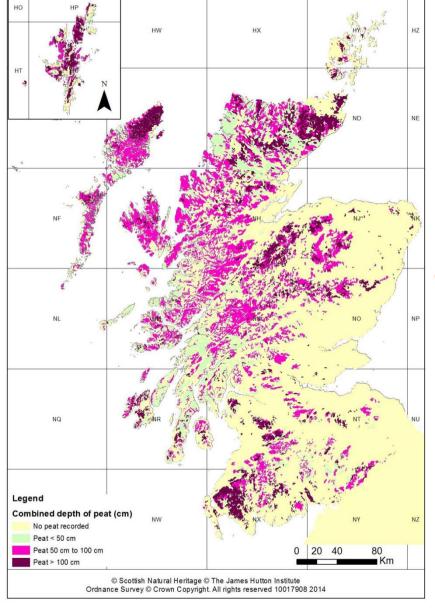
Water Quantity

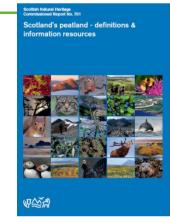




Wider countryside: peatlands







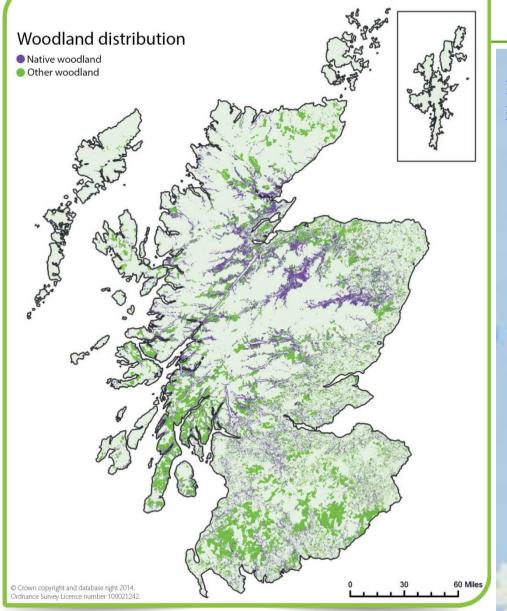
Extent in uplands stable but some decreases in plant species richness and many emitting rather than sequestering carbon

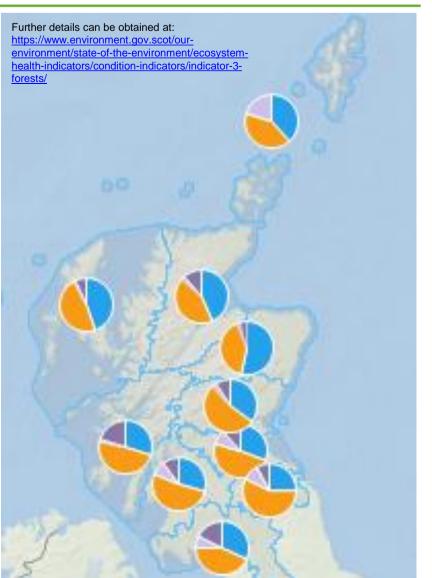
Table 8. Countryside Survey data for Scotland, showing Broad Habitat extent. (Extract form Countryside Survey – Scotland results from 2007- chapter 7)

	1990 Area ('000s ha)	1998 Area ('000s ha)	2007 Area ('000s ha)	Direction of significant trends 1998-2007
BH - Fens, marsh and				•
swamp Total Septland	200	204	220	
Total Scotland	289 58	261 72	238 71	NO
EZ4 (Lowlands) EZ5(Intermediate Uplands	151	109	95	SIGNIFICANT
and Islands)	101	100	33	CHANGE
EZ6 (true Upland)	80	80	72	STATUL
BH – Bog				
Total Scotland	1,922	2,039	2,044	
EZ4 (Lowlands)	158	160	156	DECREASING
EZ5(Intermediate Uplands and Islands)	832	872	890	
EZ6 (true Upland)	932	1,006	998	

Wider countryside: native woodlands (NWS 2014)

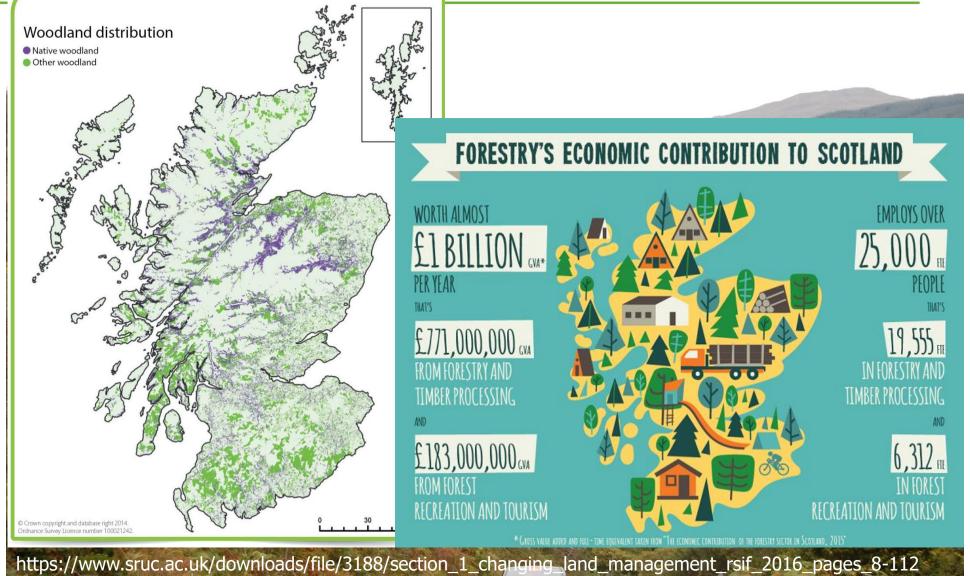






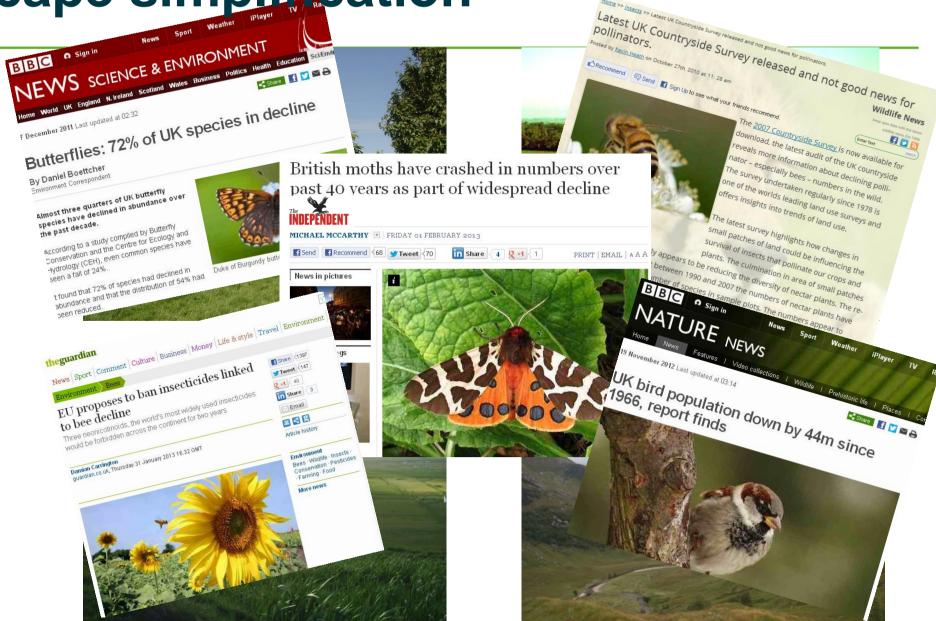
What future for woodland and forestry in Scotland?





Pressures on farmland biodiversity: landscape simplification





Range of public goods which farming has a role in providing:



Example - Forest Carbon



Forest Carbon is the leading developer of woodland creation projects for the UK voluntary carbon market.

Since 2006 we have been planting forests:

- In the UK
- Of all shapes and sizes
- Funded by the sale of certified carbon credits
- Trees sequester carbon & provide wide ranging co-benefits
- That are quality assured under the government's Woodland Carbon Code

We also:

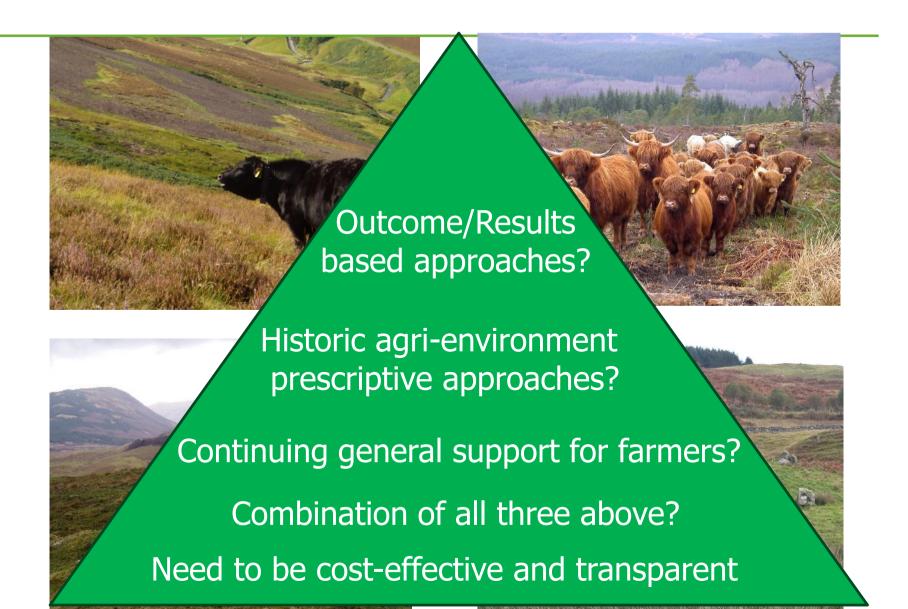
- Developed the UK's first (and only) carbon peatland restoration project
- Are active in developing a new peatland carbon market and quality assurance standard
- Developed Ireland's first ever forest carbon projects, on behalf of Microsoft, in partnership with Natural Capital Partners



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Rewarding the delivery of public benefits?





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Innovation = Doing Things Differently





























Biological Sciences











