

**UK Biodiversity Partnership**  
7-8 October, York University **Conference 2009**



**Greg Mudge**  
SNH

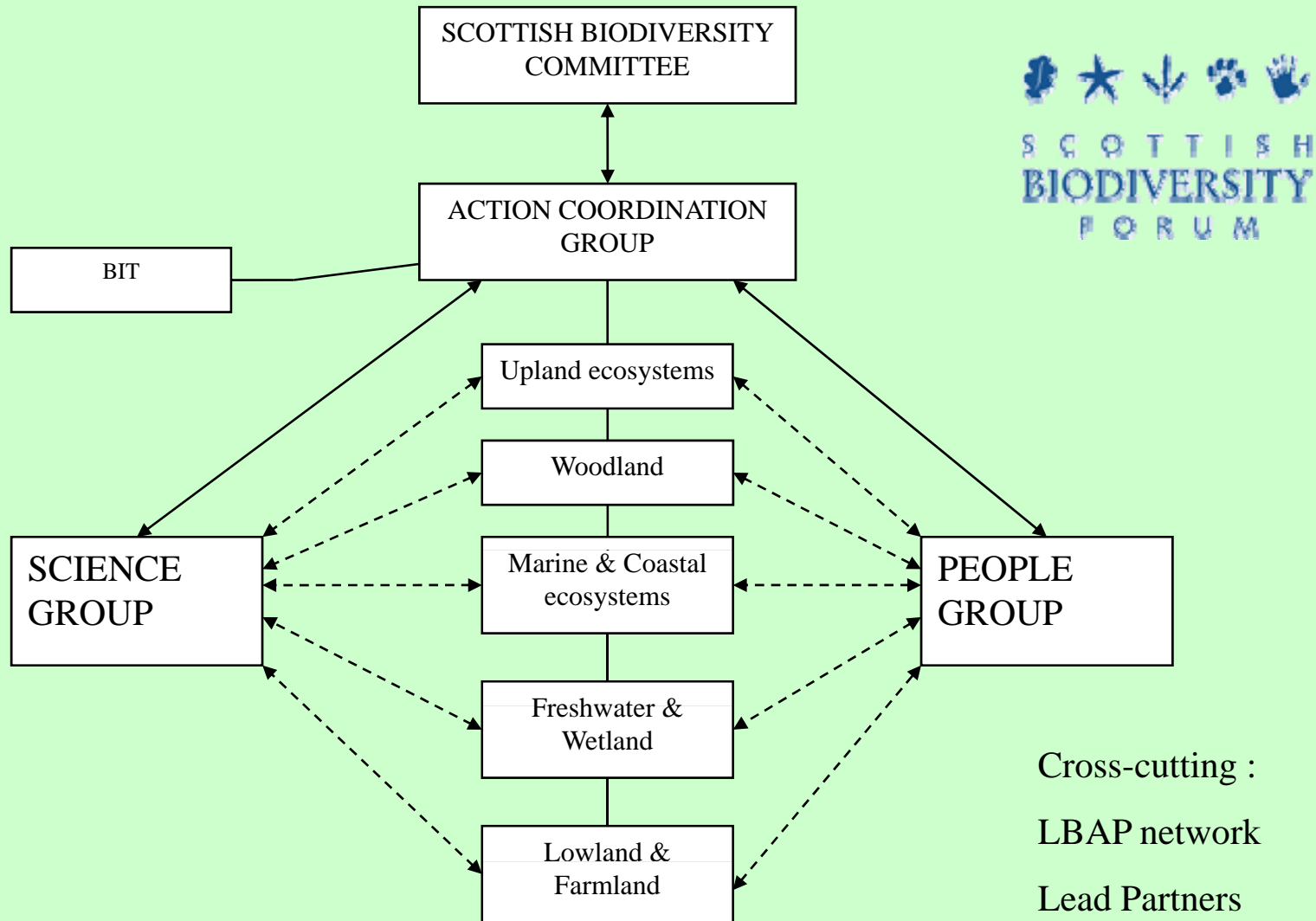


# **Biodiversity delivery in Scotland**

**Greg Mudge**

**Scottish Natural Heritage**





# General approach

Hierarchy for prioritisation:

- o Ecosystem health
- o 2010 & post 2010
- o Habitats
- o Species

Within each level:

- Targets / objectives
- Actions
- Progress assessment and Reporting



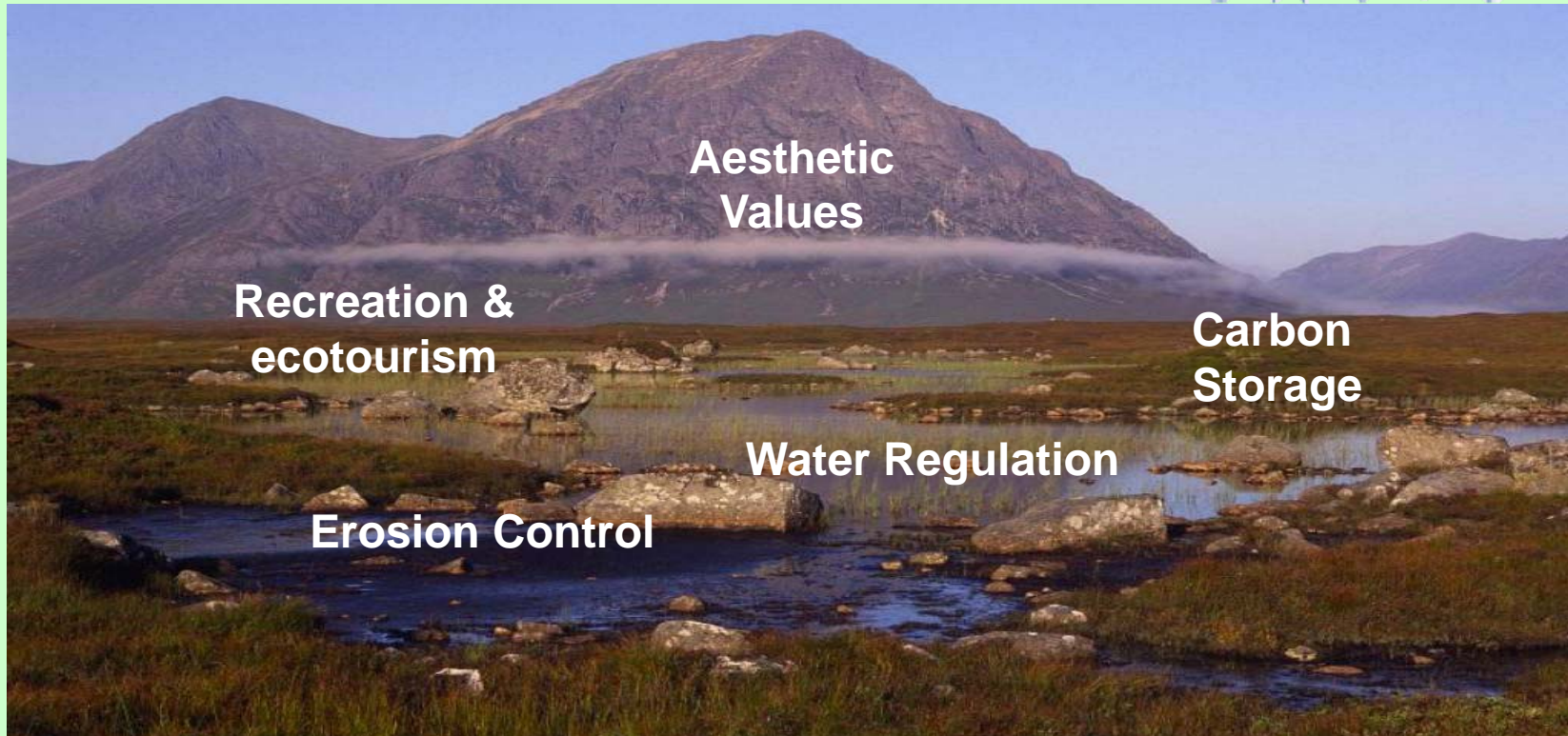
# General Biodiversity Drivers/Pressures

- Climate change
- Invasive non-native species
- Habitat Fragmentation
- Pollution
- Planning & development



# Uplands

## Grazing levels and burning

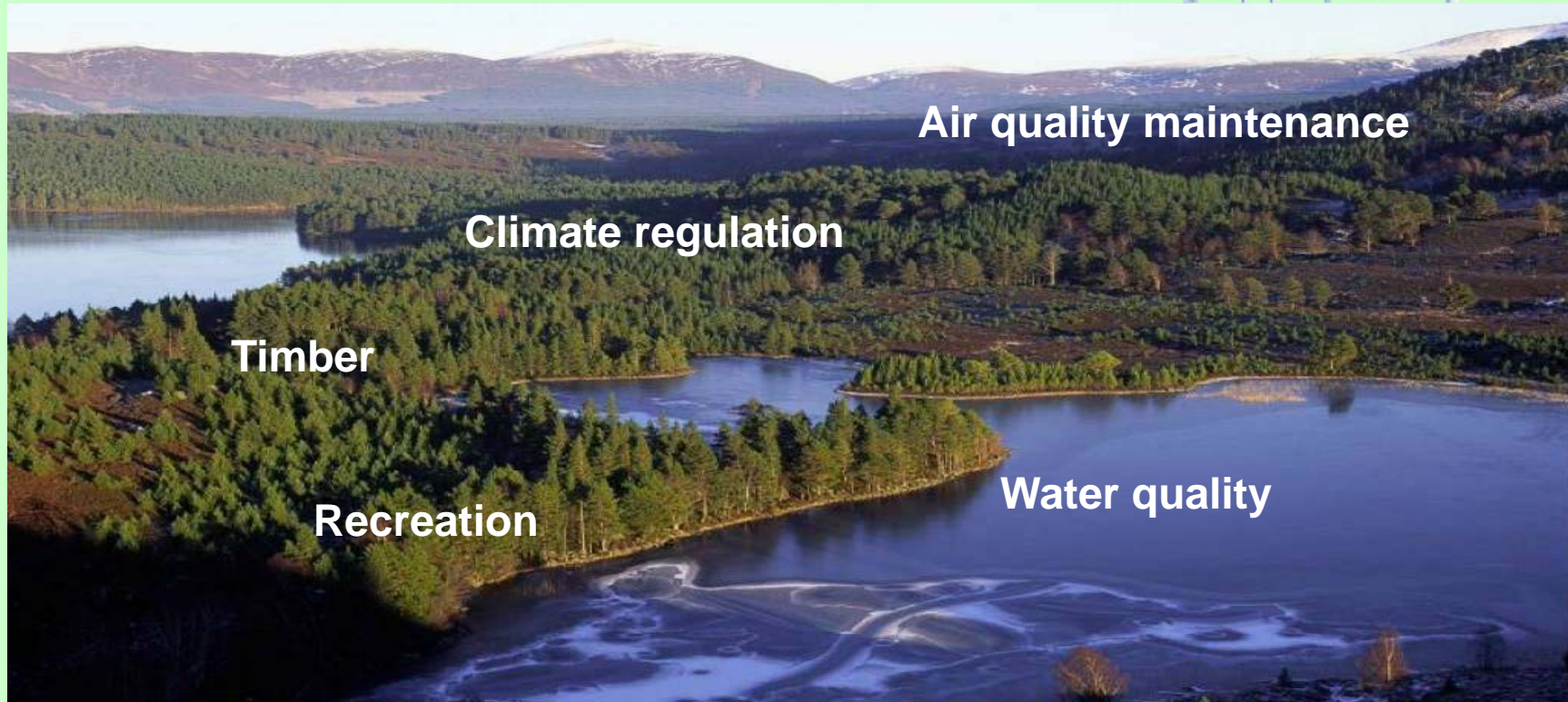


**Challenge: managing grazing / burning in upland ecosystems**



# Woodlands

Historic habitat loss and fragmentation



**Challenge: Meeting targets for woodland expansion and ecological network development**



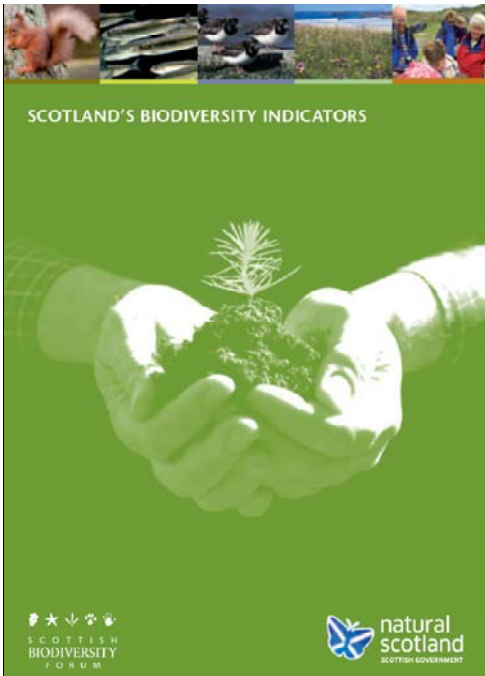
# Farmland and Lowland

## Green space in and around settlements

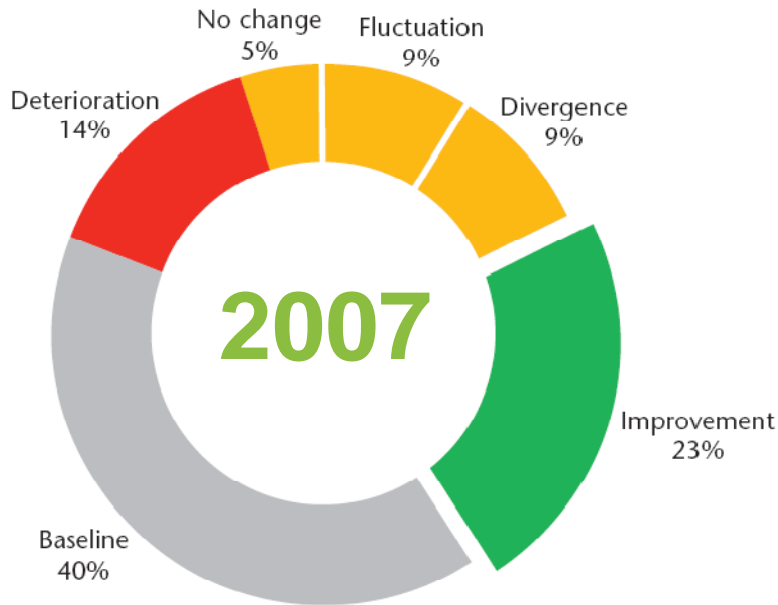


**Challenge: availability, quality, accessibility and use of green space.**





- 2009**
- ↑ increase
  - ↕ divergent
  - ↔ fluctuation
  - ↓ decrease
  - ← earlier
  - baseline
  - no update



Number	Title	Trend	Indicator
<b>State Indicators</b>			
S1	BAP priority species	Baseline	□
S2	BAP priority habitats	Baseline	□
S3	Terrestrial breeding birds	Improvement	↑
S4	Wintering waterbirds	Improvement	↑
S5	Breeding seabirds	Deterioration	↓
S6	Vascular plant diversity	Deterioration	↓
S7	Woodland structure	Baseline	○
S8	Terrestrial insect abundance – butterflies	Divergence	↕
S9	Terrestrial insect abundance – moths	Fluctuation	↔
S10	Notified species in favourable condition	Baseline	↑
S11	Notified habitats in favourable condition	Baseline	↑
S12	Otter status	Improvement	○
S13	Freshwater macro invertebrates	No change	↑
S14	Marine plankton	Divergence	↕
S15	Estuarine fish diversity	Improvement	○
S16	Marine fish stocks within safe limits	Fluctuation	↔
S17	Invasive non-native species	Deterioration	○
<b>Engagement Indicators</b>			
E1	Attitudes to biodiversity	Baseline	○
E2	Green space	Baseline	○
E3	Visits to the outdoors	Improvement	○
E4	Involvement in biodiversity conservation	Baseline	○
E5	Membership of biodiversity NGOs	Baseline	○

# The big issues:

- Integrating biodiversity and ecosystem services with adaptation to climate change
- Enhancing the “wider countryside” by working with land managers.



BiodiversityScotland



# The big issues:



- Sorting out the key priorities and then delivering on these across all sectors.
- Working with the 2010 and post 2010 targets
- Communicating the importance of biodiversity to the public.

