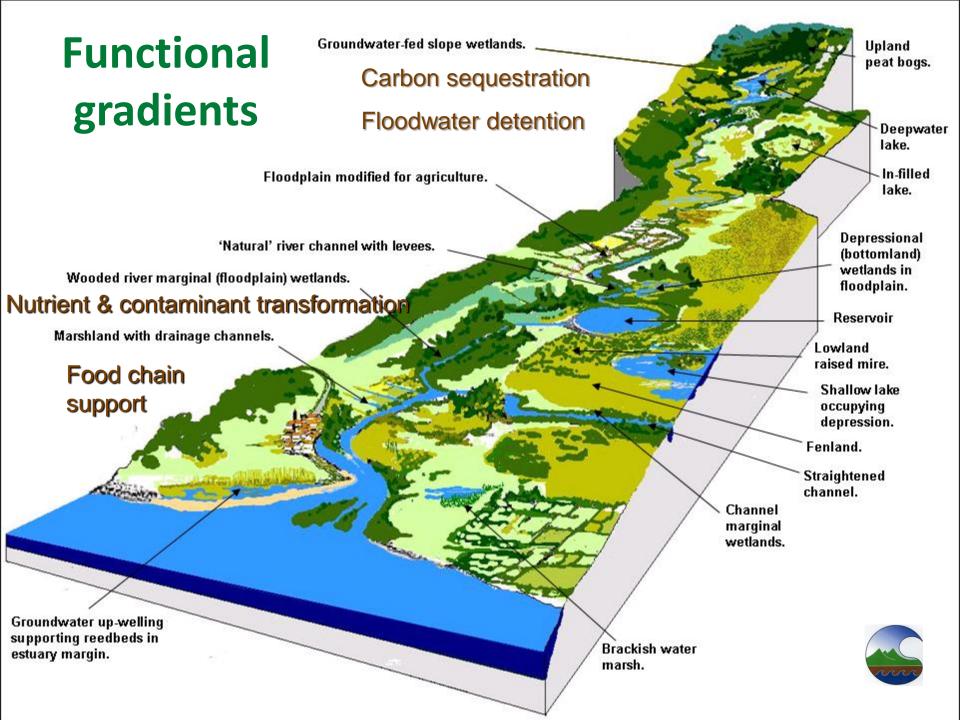
Wetland Ecosystem Services in a Complex and Changing World

Session organizer and moderator:

Edward Maltby

Elements of new policy drivers

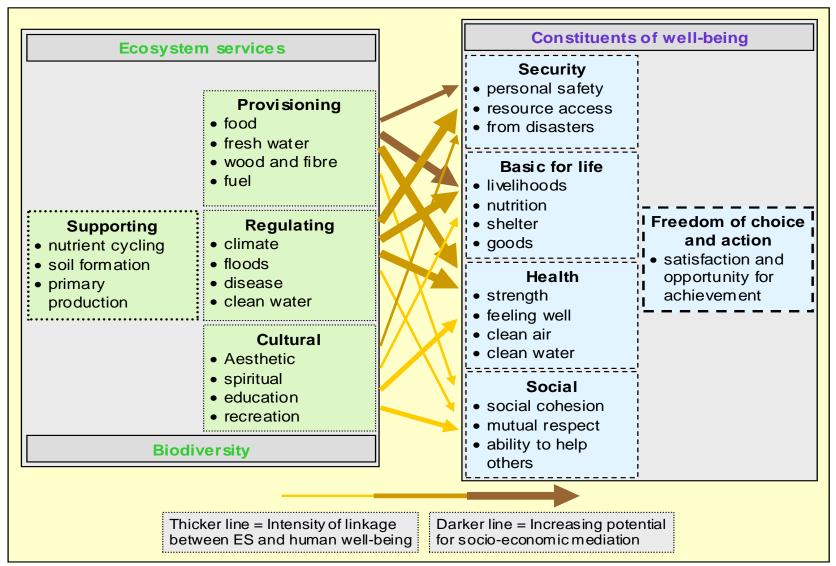
- Ecosystem approach
- Natural Capital
- Ecosystem services
 - Millennium Ecosystem Assessment (2005)
 - The Economics of Ecosystems & Biodiversity (2010)
 - UK National Ecosystem Assessment (2011)



Ecosystem Services Derived from Inland Rivers, Lakes and Wetlands

Provisioning Services	Cultural Services
Food (fish, game, fruit, grain etc) Fresh water (storage, retention, provision) Fibre and Fuel (timber, fuel, peat, aggregates) Biochemicals (materials from living things) Genetic materials (medicine, resistance to pathogens, ornaments)	Spiritual (well-being, religion) Recreation (tourism, activities) Aesthetic (appreciation) Education (opportunities)
Supporting Services	Regulating Services
Biodiversity (habitats) Soil formation (retention, accumulation) Nutrient cycling (storage, processing) Pollination (habitat and support)	Climate (GHGs, temp, rain, CO ₂) Hydrology (recharge, discharge, storage) Pollution (retention, removal, recovery) Erosion (protection, retention) Natural Hazards (floods, storms)

Links between Ecosystem Services and human wellbeing



Overview

- Final Goal:
 - Operational approach linking current knowledge to policy innovation
- Context:
 - Accelerated Interest
 - MEA (2005)
 - TEEB (2010)
 - UKNEA (2011)
 - Scientific Journals
- Session:
 - 7 papers + Panel
 - Agriculture landscapes (OECD)
 - European Wetlands
 - UKNEA
 - Coastal Law
 - Condition Assessment
 - Tropical Wetlands
 - Urban Wetlands
 - Panel Discussion