

Developing and using best practice valuation

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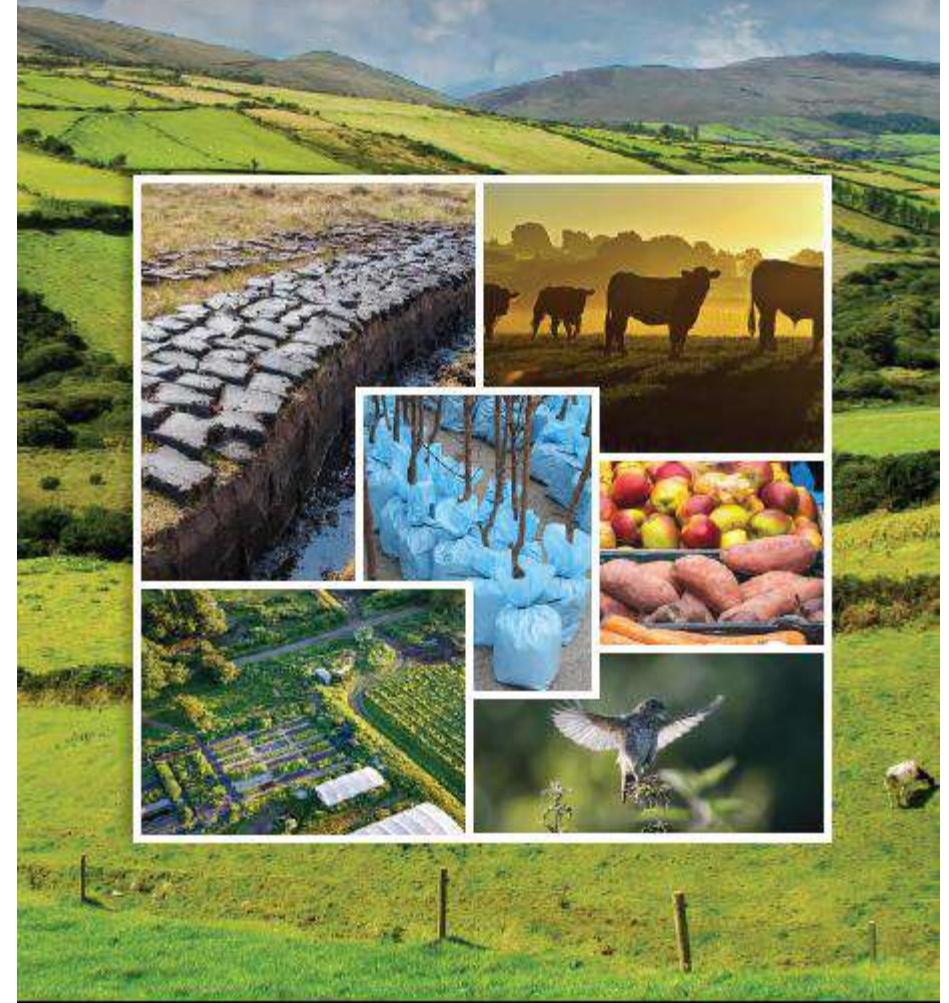


A Green Future: Our 25 Year Plan to Improve the Environment



Land use: Reducing emissions and preparing for climate change

Committee on Climate Change
November 2018



Nature-based solutions



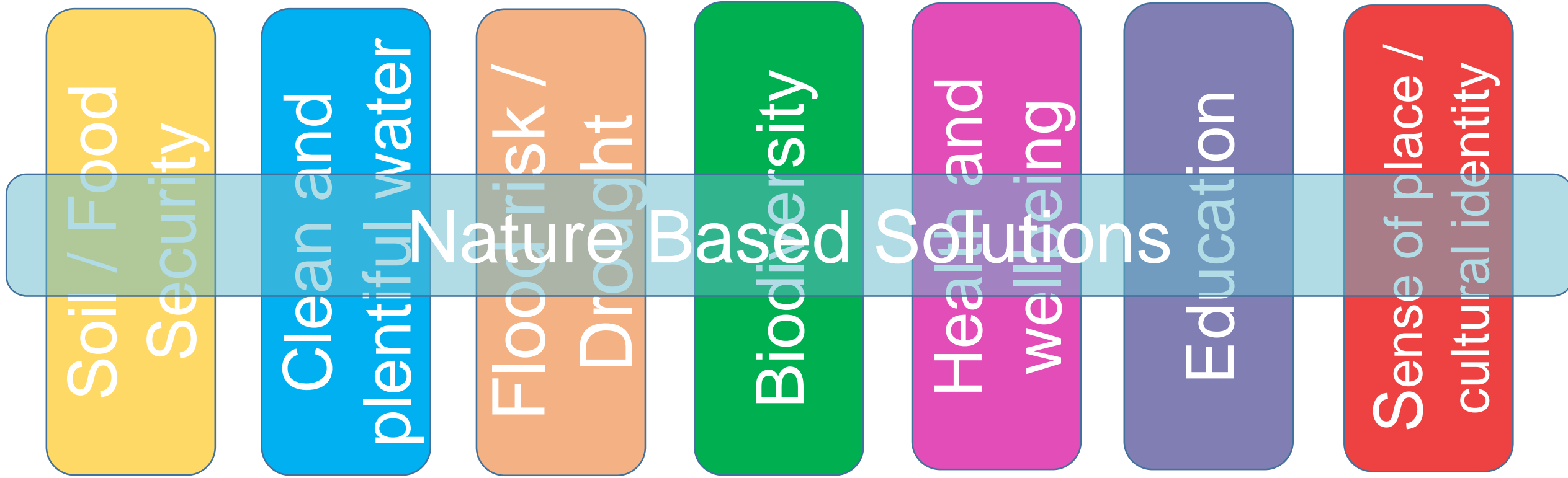
NBS increase climate resilience

- **Cooling** - Plant/vegetation cover re-radiates less heat into the atmosphere compared to bare earth and hard impermeable surfaces. This helps keep climatic temperatures stable and liveable.
- **Regulating the water cycle** – NBS retain water in the landscape, regulating and stabilising the water cycle, reducing the risk of extreme weather events.
- **Carbon storage** - green infrastructure/plant cover draws down & stores carbon in soils, thereby reducing carbon in the atmosphere.

NBS are a key part of transitioning to a more sustainable low carbon economy.

See <http://www.globalcoolingearth.org/> and <https://www.4p1000.org/> for more info.

NBS contribute to multiple outcomes



Challenges for valuation

- **Who** - different decision-makers
- **What** - different types of outcomes
- **How** - different methodologies needed?

Evenlode Natural Flood Management scheme



Development needs

- Multiple benefits and outcomes that relate to 25YEP goals
- Better benefit stories that 'normal' people can relate to
- Valuation that helps us understand who benefits & who loses – distributional impacts
- Clear and robust impact pathways - no more 'black box' valuation