

# Economics of Peatlands (benefits, costs, funding)

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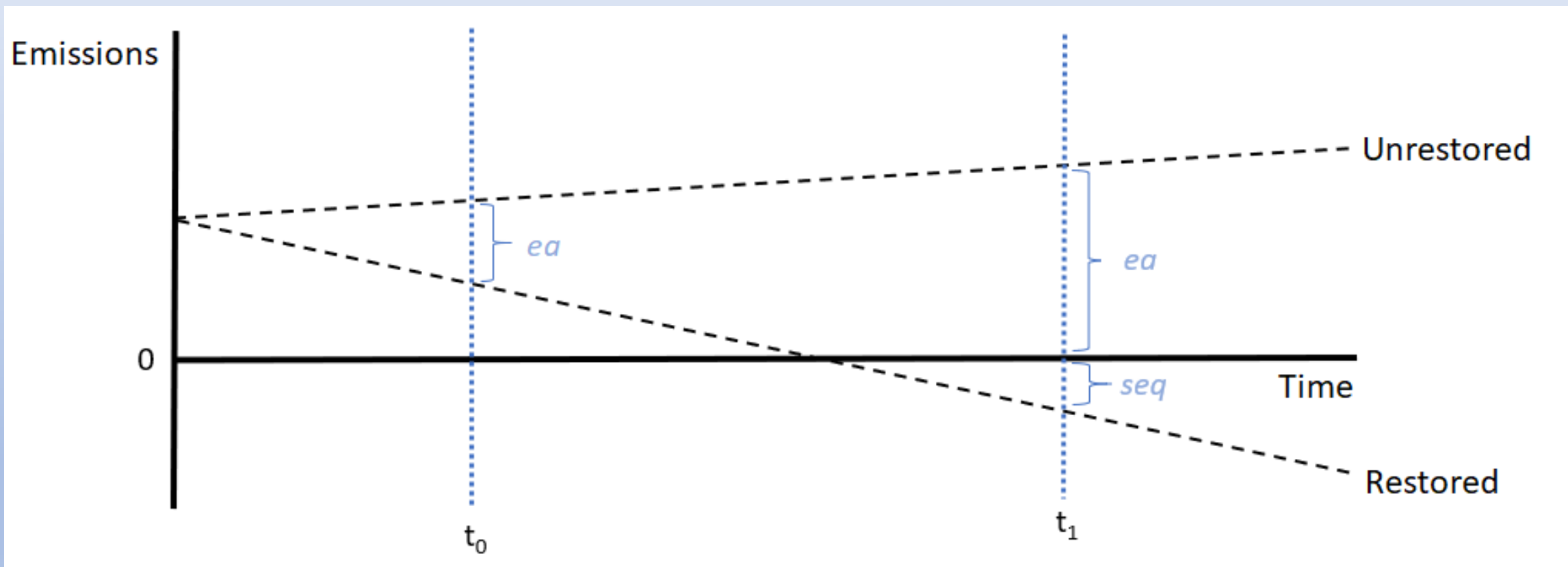
Loch Lomond, October 2018

# Valuing peatland restoration benefits

- Range of ecosystem services, mostly non-market benefits  
e.g. food (and fuel), climate and water regulation, cultural
- Carbon benefits – unit values & emission profiles  
£90/ha/yr to £210/ha/yr (to £1350/ha)
- Wider benefits – surveys of public preferences  
£127/ha/yr to £414/ha/yr (Scotland)  
£152/ha/yr to £411/ha/yr (UK)



# Stylised time paths



# Restoration costs

- Upfront administrative costs

e.g. design, planning etc. (£1k for land manager + £3k to £6k for project coordinator [Hat Tip Tim Thom])

- Upfront capital costs

e.g. grip blocking, gully reprofiling, revegetating bare peat etc. (£150/ha to £7k/ha)

- Recurrent costs

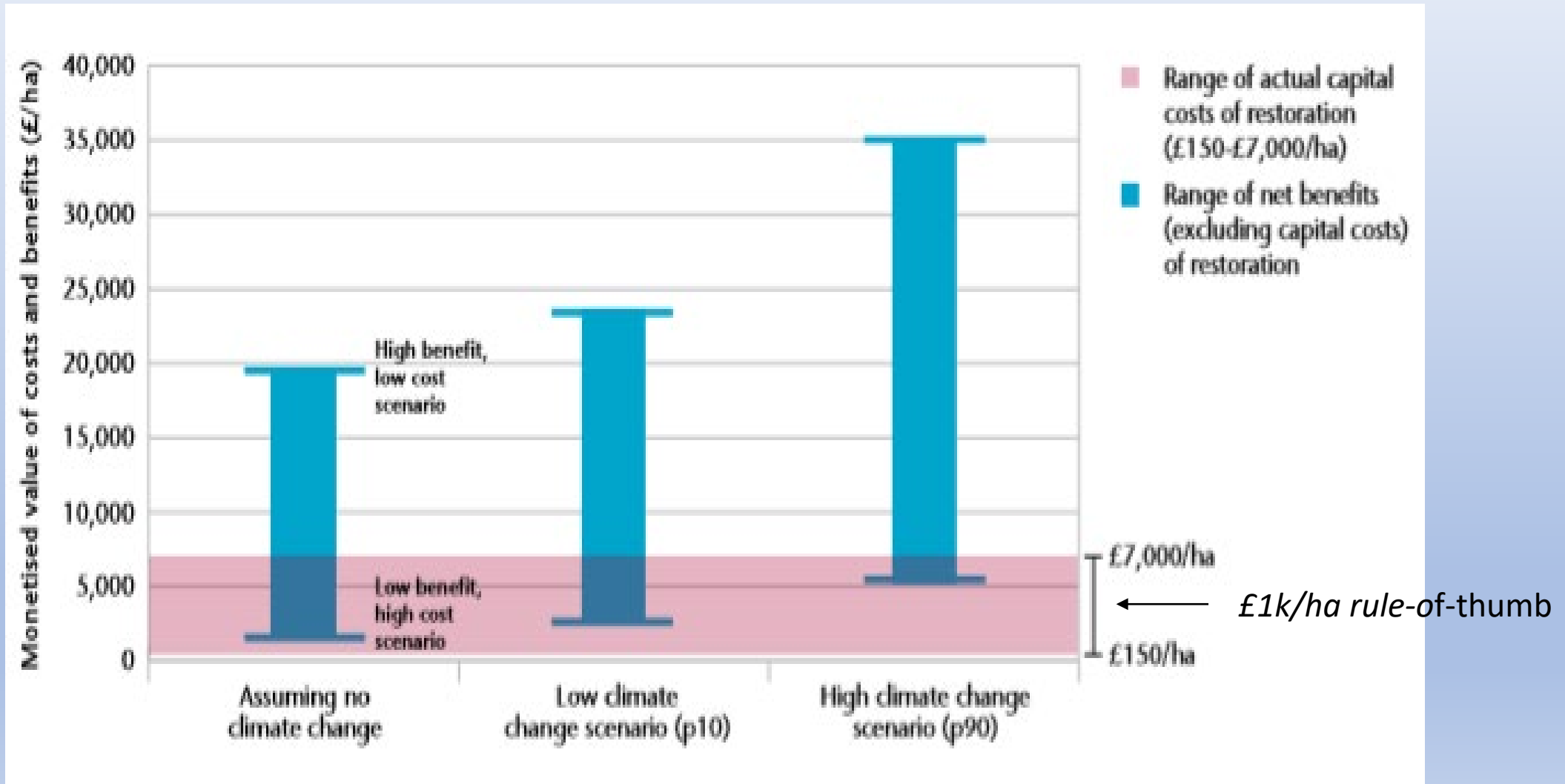
e.g. repairs, management, monitoring etc. (£60/ha/yr?)

- Opportunity costs

e.g. reduced agricultural output, lost Pillar I funding (£?)



# Cost-Benefit Analysis (1.3:1 – 12:1)



# Funding

- Agri-environment schemes
  - i.e. Pillar II of CAP (England £22m annual maintenance; but post-Brexit?)
- Peatland-specific programmes
  - e.g. Scottish Peatland Action (10k ha since 2012; £8m 2017/18)
- Water companies' catchment management programmes
  - e.g. South West Water's "upstream thinking" (£14m 2015-2020)
- Private funding
  - e.g. Peatland Code, Green Bonds (future opportunities?)
- Funding requirement?



# Further work

- Restoration costs  
e.g. standardised reporting; monitoring
- Opportunity costs  
e.g. more case studies
- Restoration timelines  
e.g. emission profiles
- Public preferences  
e.g. more case studies

