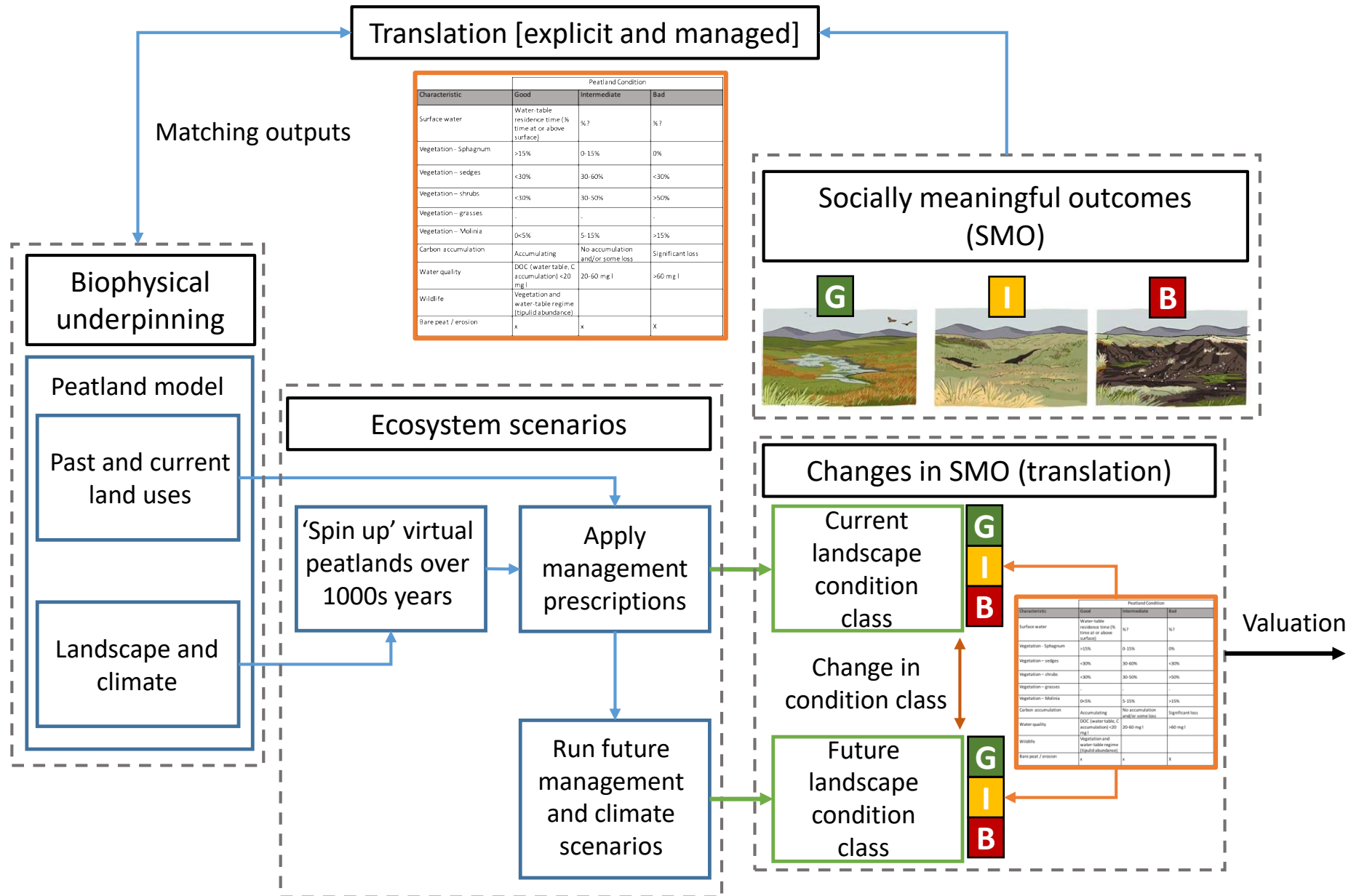




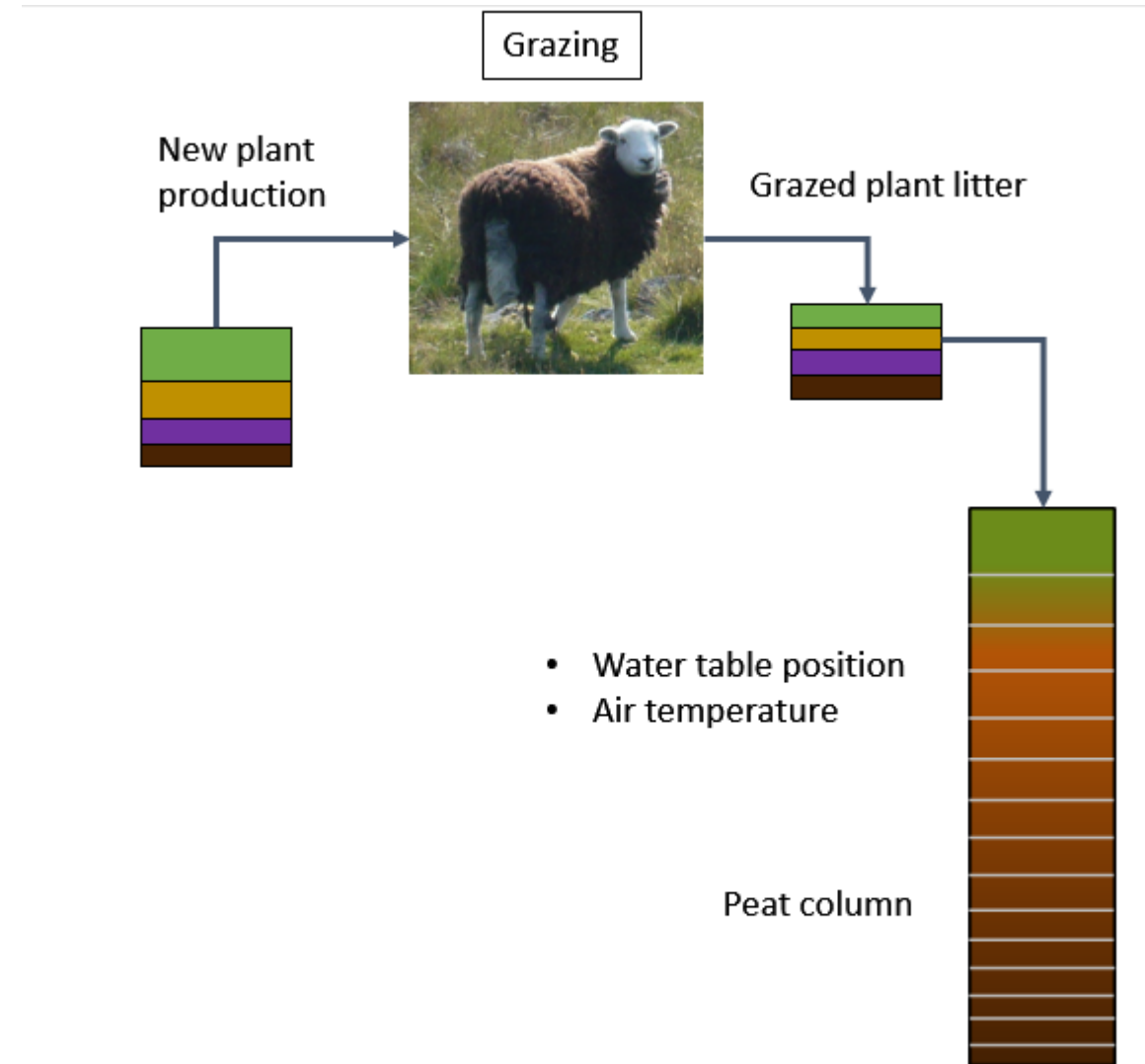
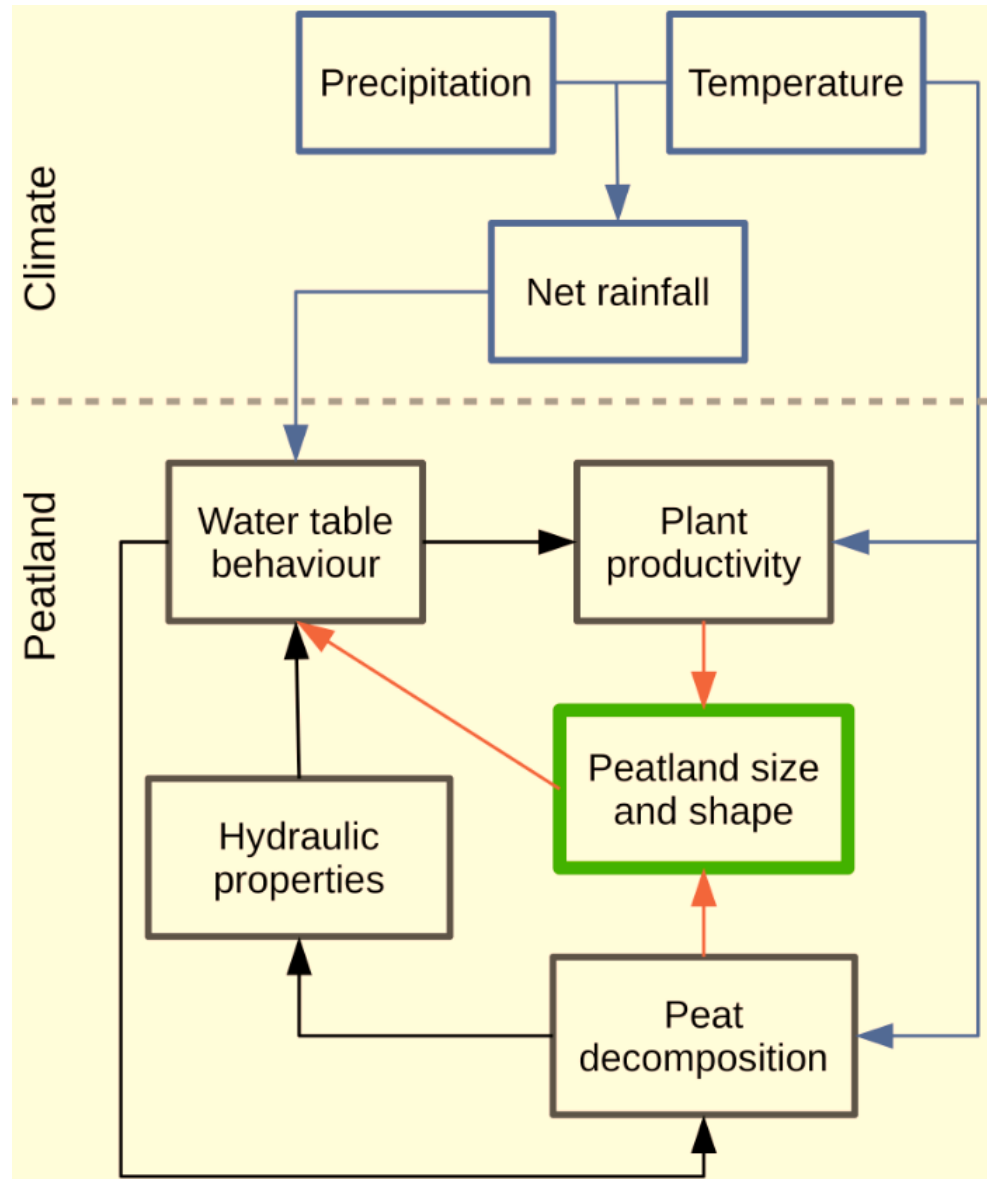
# Deriving dose response functions to help link ecological and economic approaches in peatlands

Laurence Jones, Ed Rowe, Dylan Young, Chris Evans, & the Peatlands Tipping Points team ...

# VNP: Peatland Tipping Points



# Digibog peatland model



# Economic valuation - Ecological condition descriptions



Good ecological condition

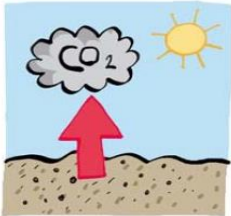
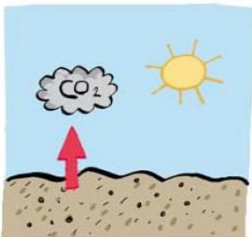
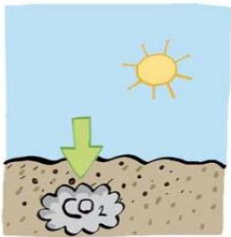


Intermediate ecological condition



Bad ecological condition

Carbon

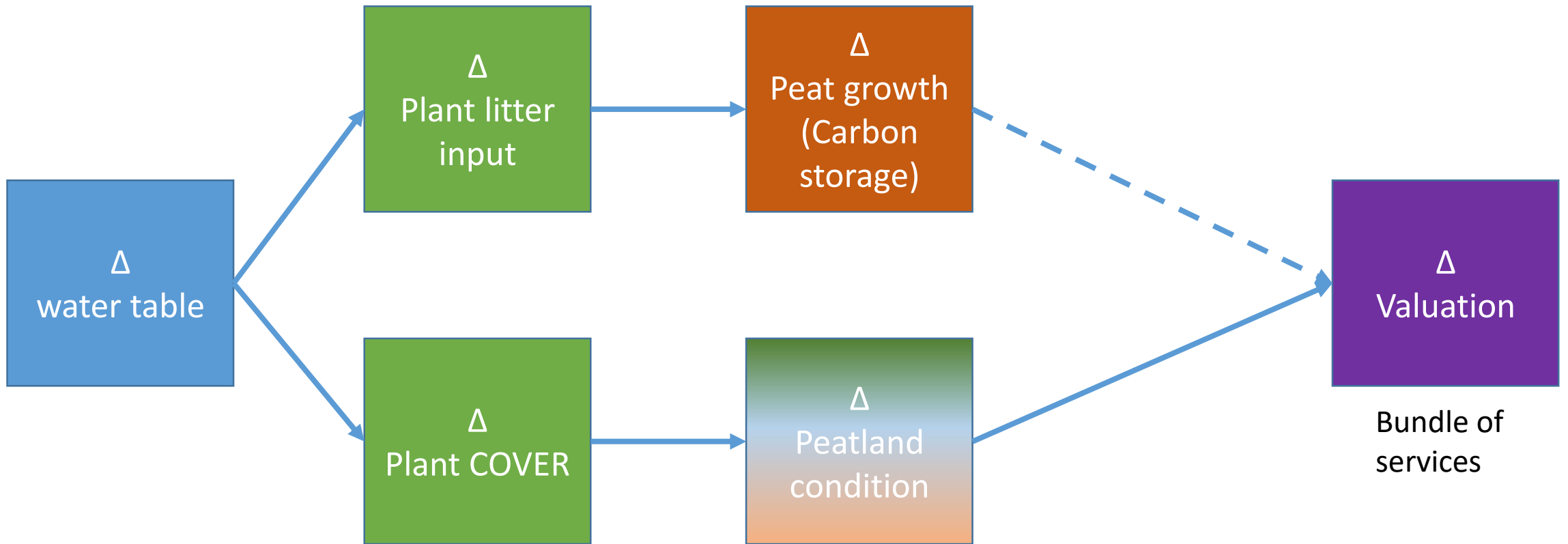


Water quality



Wildlife



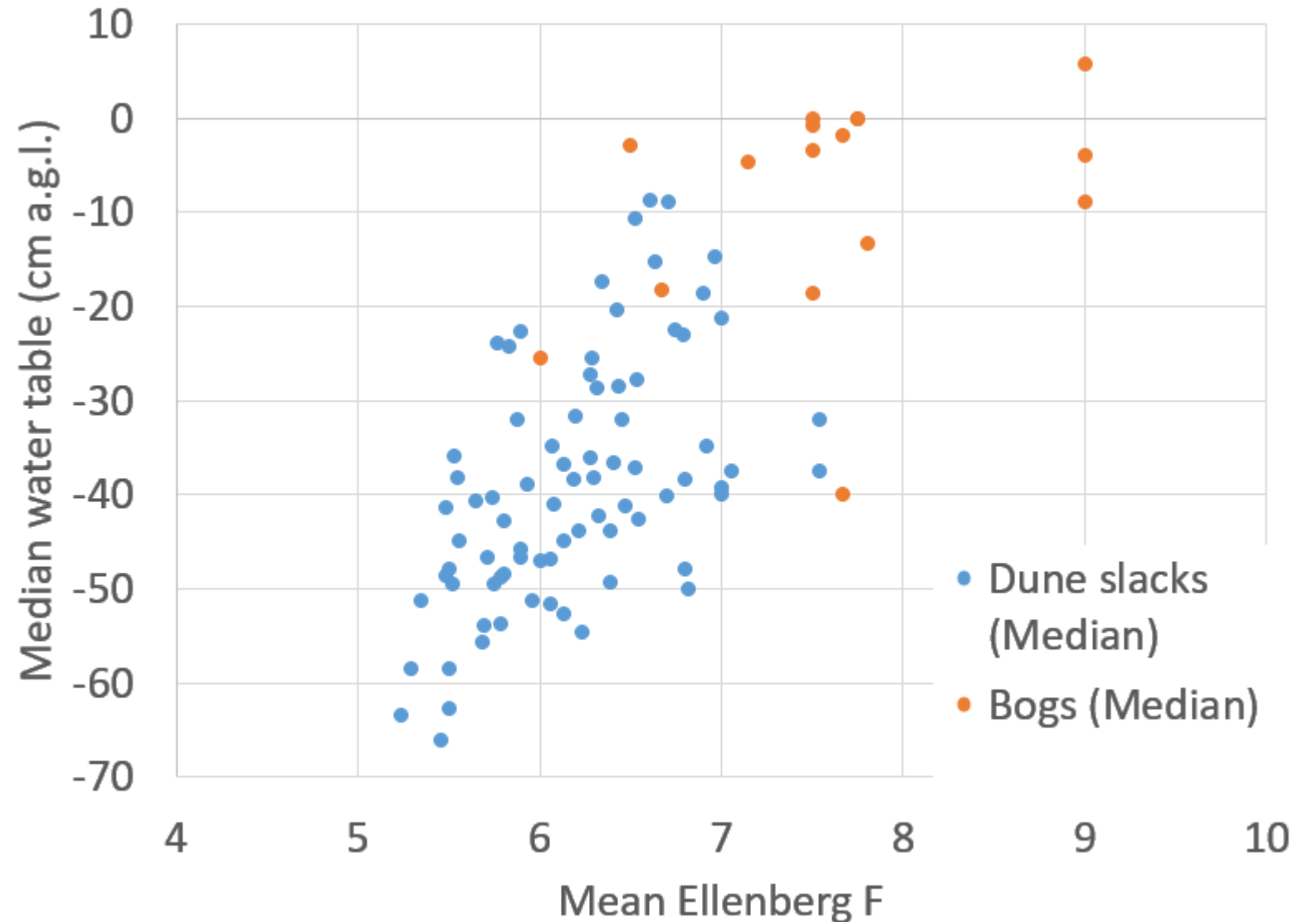


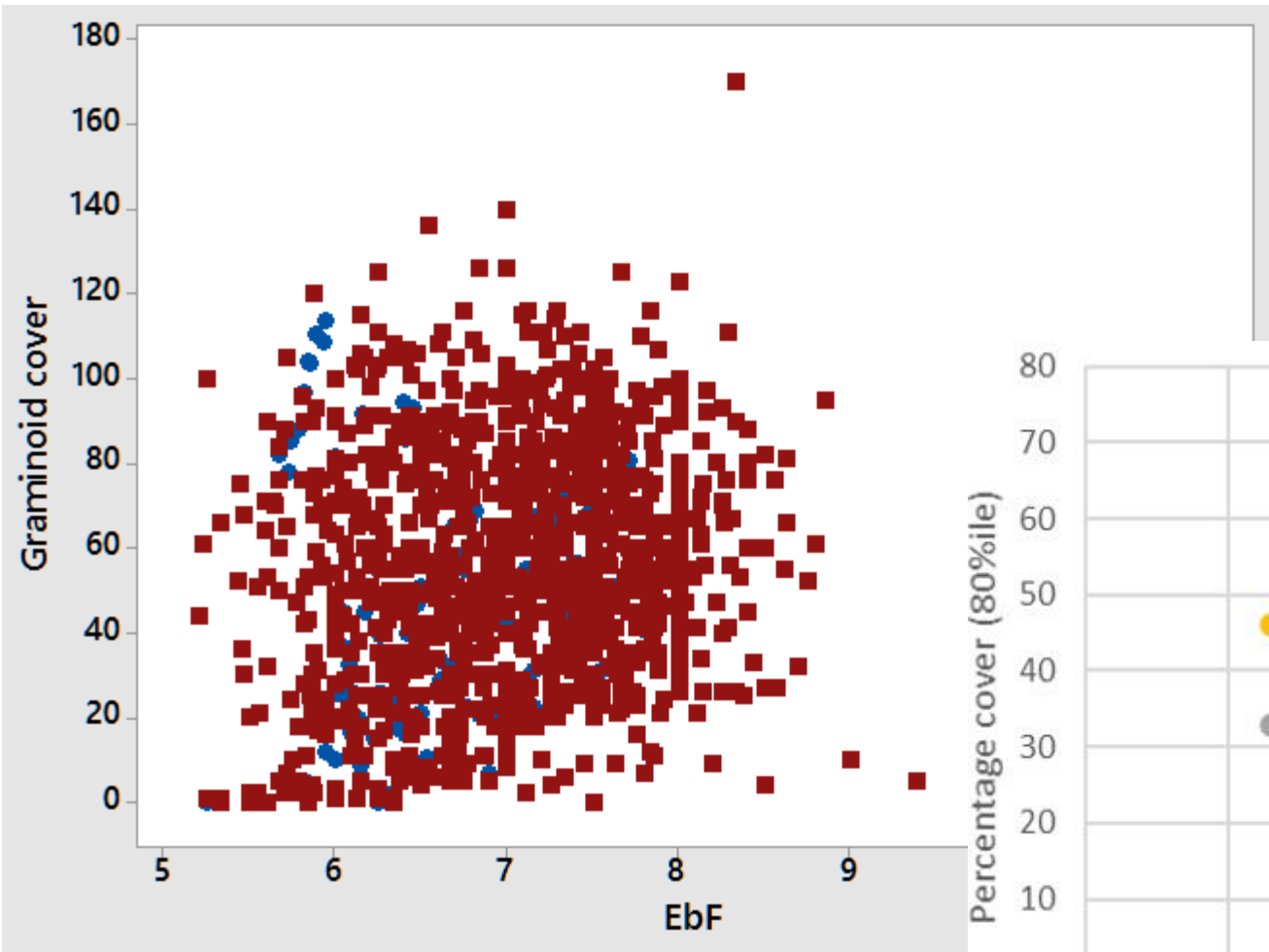
## Challenge:

Time series data linking hydrological regime with (peatland) vegetation

*Multiple sources:*

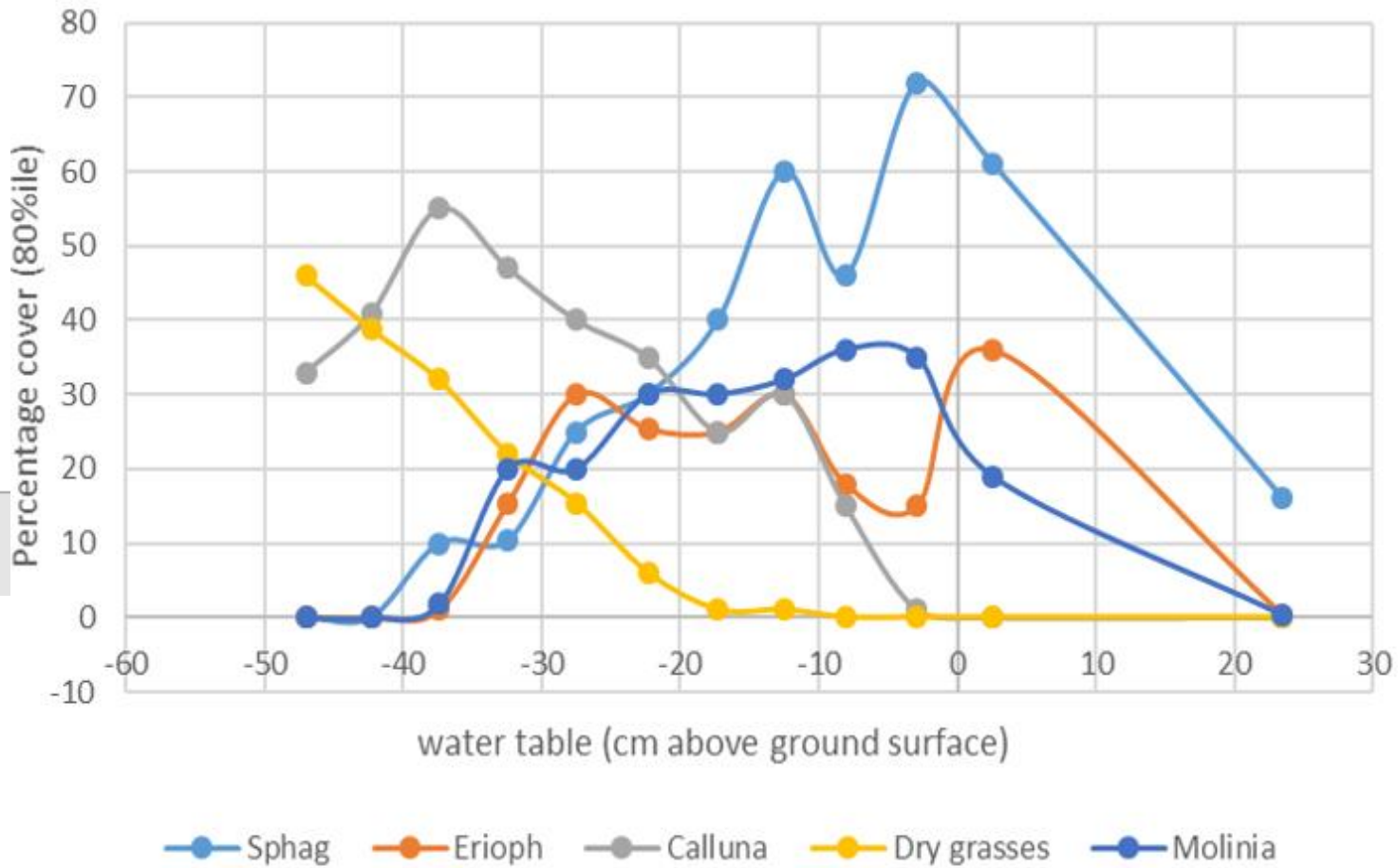
- Peatland gas flux study
- Other wetland studies (dune slack wetlands)





### Challenge 2:

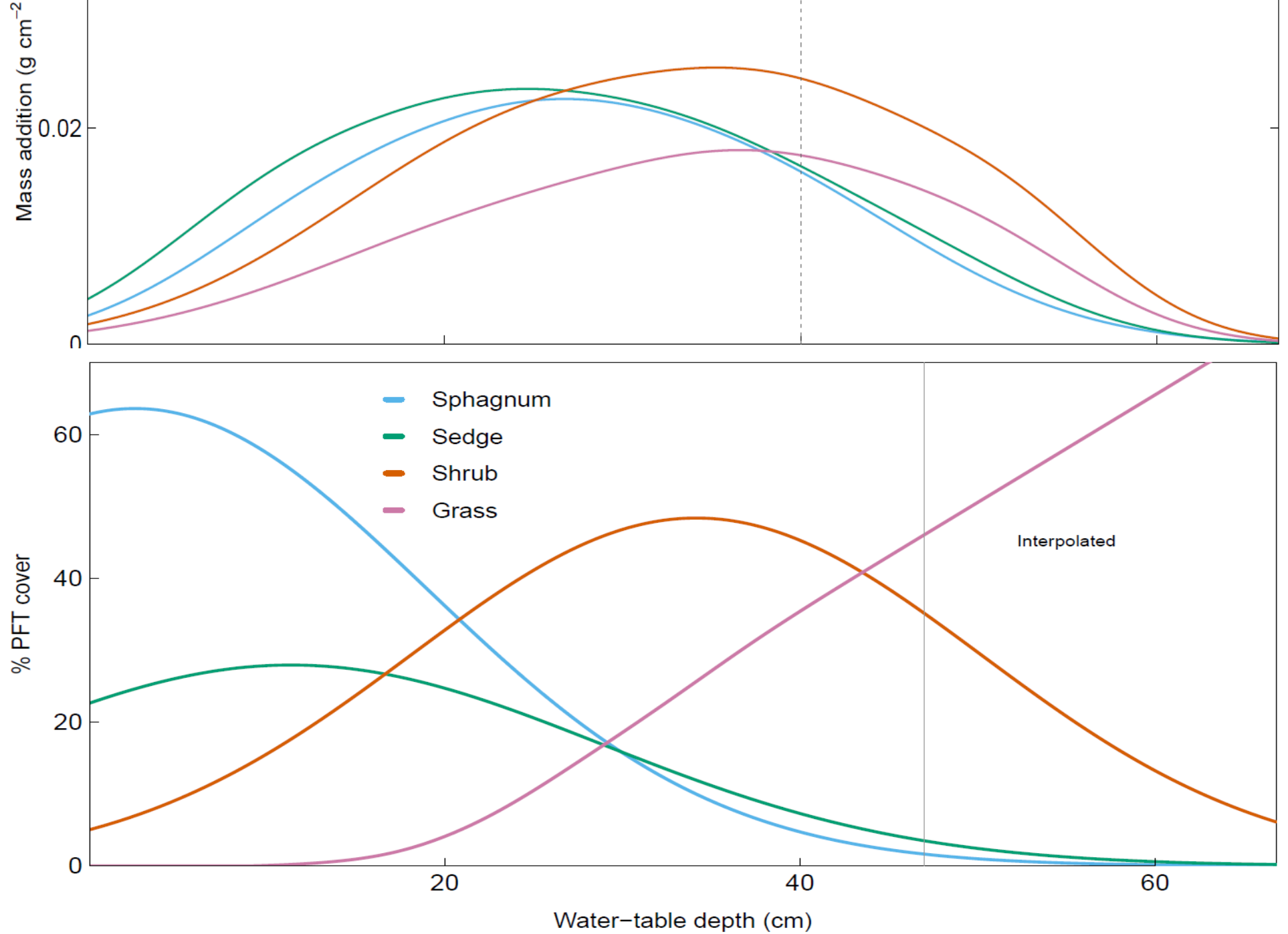
Data covering range of hydrological conditions & individual species cover (peatland - grassland)



Sources:

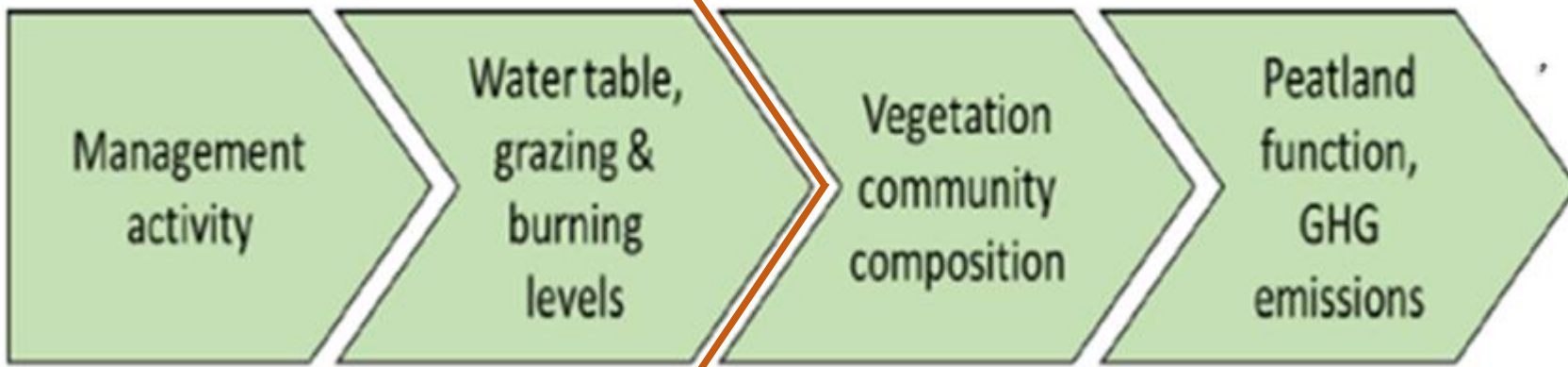
-Countryside Survey (bogs, mires, heaths)

# Improved links between process ecological models and economic valuation





**Potential to upscale from plot data to condition at national scale**





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Dr Dylan Young (PDRA)



Dr Jasper Kenter

Dr Simone Martino (PDRA)



Prof Chris Evans

Prof Laurence Jones



Dr Klaus Glenk



Dr James Pearce-Higgins



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