Reports on peatland mapping of the resource and its condition in the UK - Scotland

Steve Chapman

With help from:

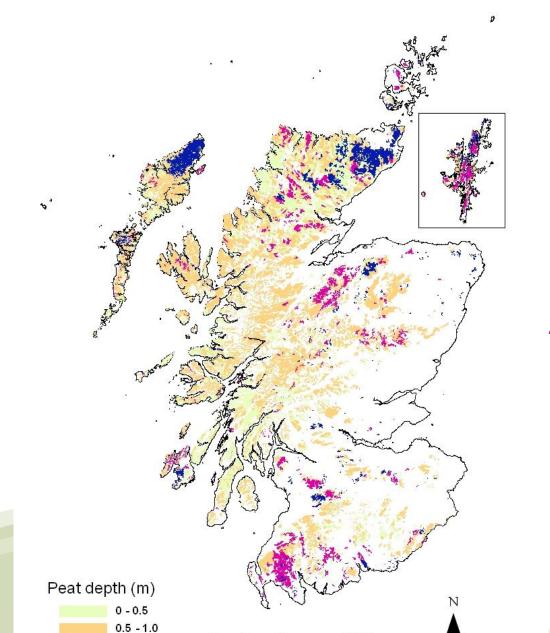
Laura Poggio

Alessandro Gimona

Matt Aitkenhead

Rebekka Artz





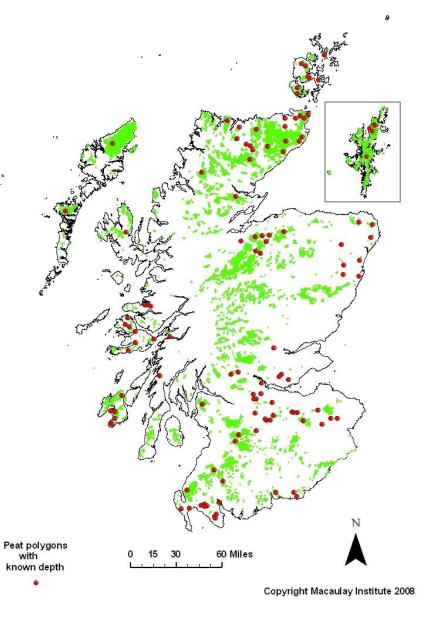
1.0 - 2.0 2.0 - 7.0 80 Miles

Copyright Macaulay Institute 2008

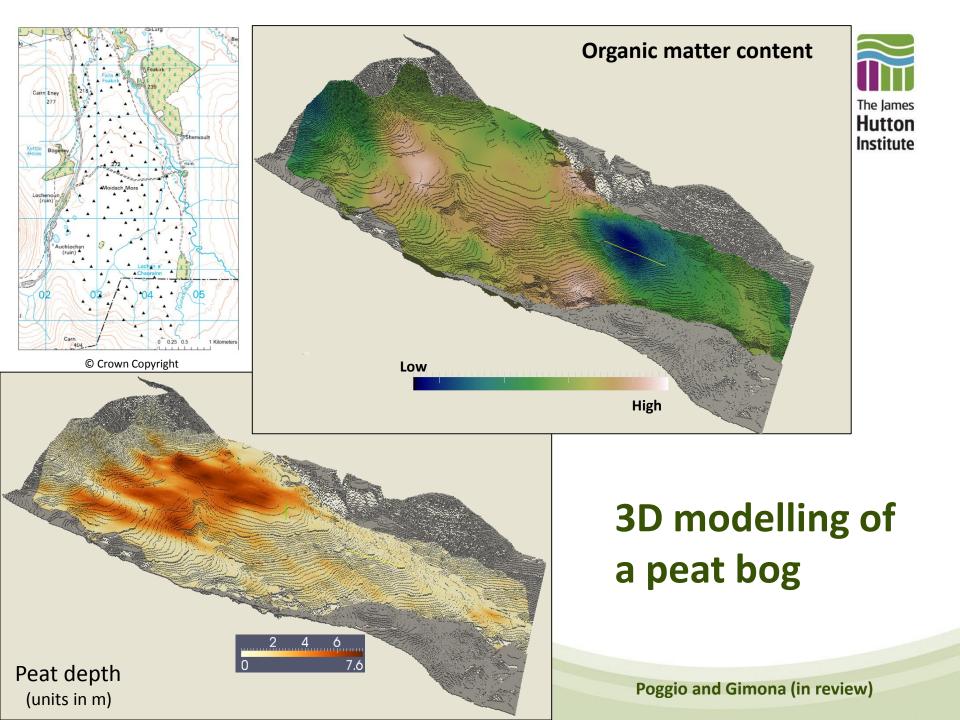


Peatland area (mapped '70s/'80s)
Peat depth (surveyed '50s/'60s)

Areas sampled for depth

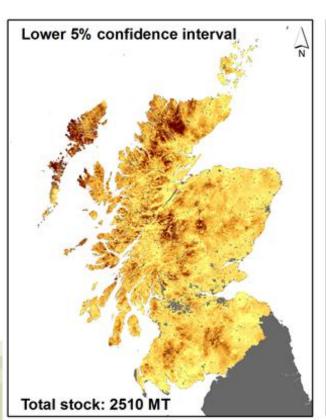


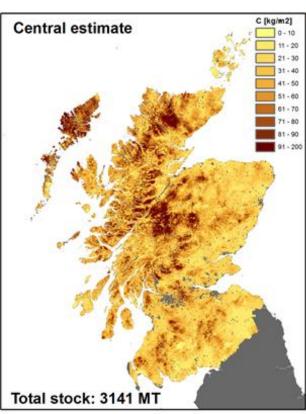


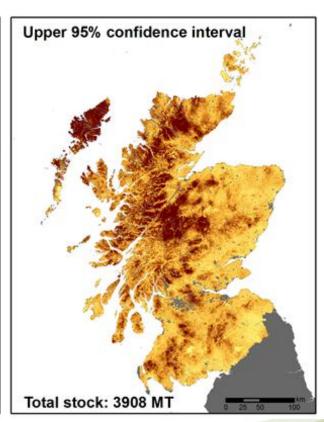


Carbon stocks modelled from soils database





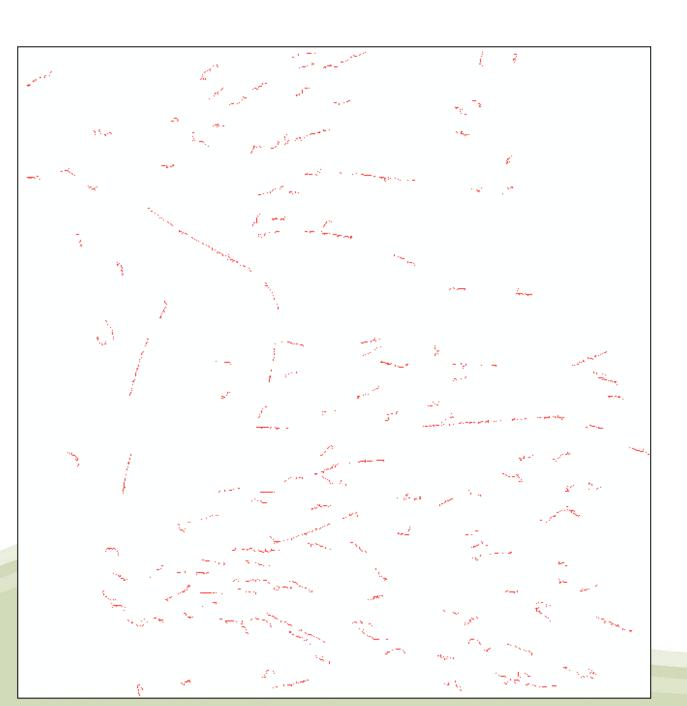








Imagery
demonstrating
peatland
drainage
prototype from Yell





Drainage channels detected

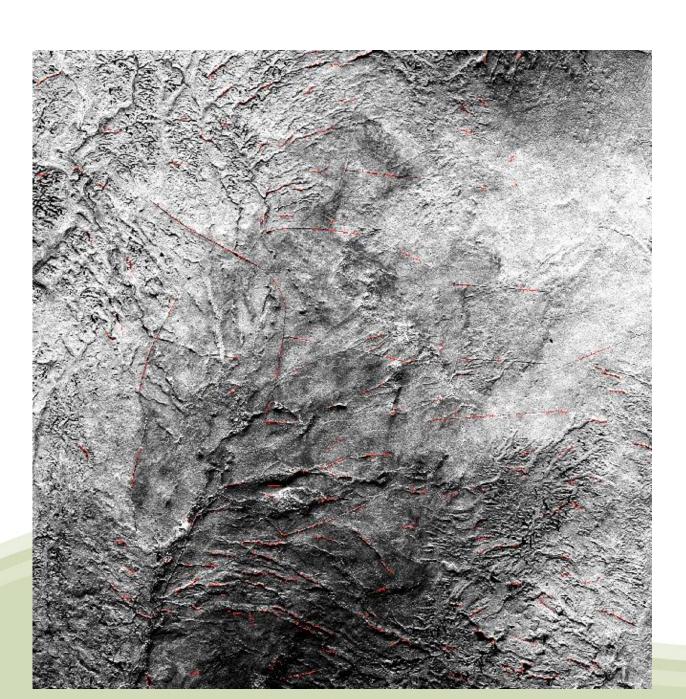
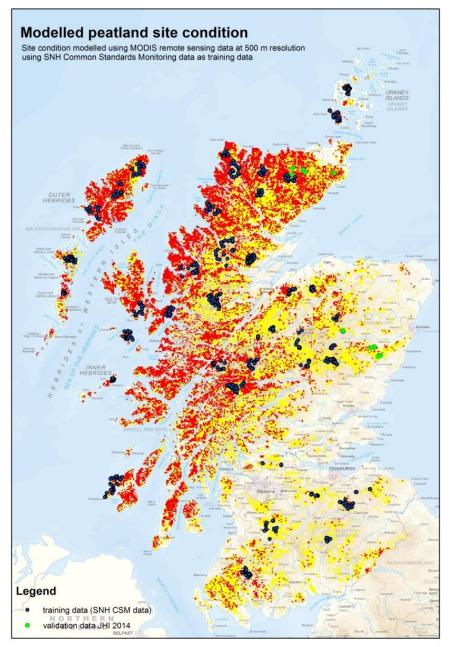




Image overlay



Site condition modelling (draft)



- Uses 500 m resolution time series (weekly since 2000) MODIS remote sensing data
- Model built using SNH's site condition monitoring dataset (individual point data, not site!)
- Being validated by independent field surveys at present