



VALUING NATURE



Mechanisms and consequences of tipping points in lowland agricultural landscapes (TPAL)

Dr Stephen Watson, Postdoctoral researcher,
University of Bournemouth

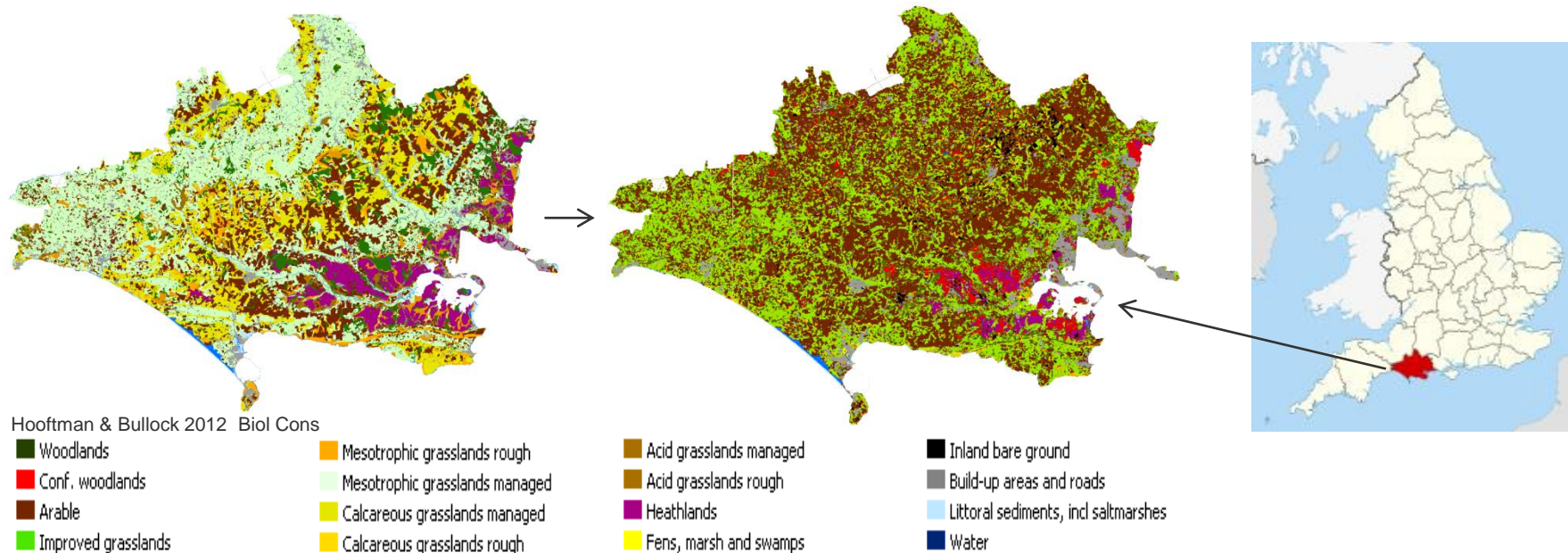


<https://www.tpalvaluing-nature.co.uk>
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Research area

- Case study: based on spatial data describing changes in natural capital, associated provision of ecosystem services and environmental pressures between the 1930s and the present day for Dorset.
- Analyses of these data, together with time-series analyses of previously collected data (e.g. on pressures), and identification of tipping points and their mechanisms and consequences.

Dorset land cover change (1930s-2000s) 74% of semi-natural habitat lost



How could your research be used by businesses (Opportunities)

- The aim of TPAL is to communicate results to decision-makers, and to explore potential responses to the tipping points identified.
- We will seek to achieve this through:
 - i. Scenarios of tipping points and response options.* Local stakeholder workshops with members of the Dorset Local Enterprise Partnership (LEP) and the Dorset Local Nature Partnership (LNP), which involve local councils, businesses, NGOs and other stakeholders.
 - ii. Documentation of Dorset as a case study.* To communicate research results to policy makers at local, national and international scales, we will publish a report that documents Dorset as a case study for applying natural capital concepts at the local scale.
 - iii. Business Questionnaire.* To understand the dependence of local economic activity on ecosystem benefit flows we will address this knowledge gap through a questionnaire survey conducted with >2000 companies within Dorset.

Why did you want to attend the Business Impact School? (Challenges)

- How academic outputs can be translated into private sector decision making and innovation.
- Communicating risks and impacts of Tipping points to a wide audience (challenges of language & disciplinary background).
- To better understand the challenges or “unknowns” of engaging with businesses.

