

How and where to plant Britain's new woodlands

(and how to get it wrong)



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Planting Britain's new forests

Comparing two approaches

Approach

What factors determine the location of planting?

Annual value of new woodlands
(benefits – costs)

1. Offer grants to all areas

- Foregone agricultural profits
- Timber production values
- Subsidies

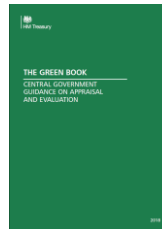
(ignores other benefits)

**- £66million
annual loss**

2. Target grants to best areas

- Foregone agricultural profits
- Timber production values
- Subsidies
- Greenhouse gases
- Water quality
- Flood risk reduction
- Recreation
- Biodiversity

**+ £546million
annual gain**



All calculations use H.M. Treasury guidelines



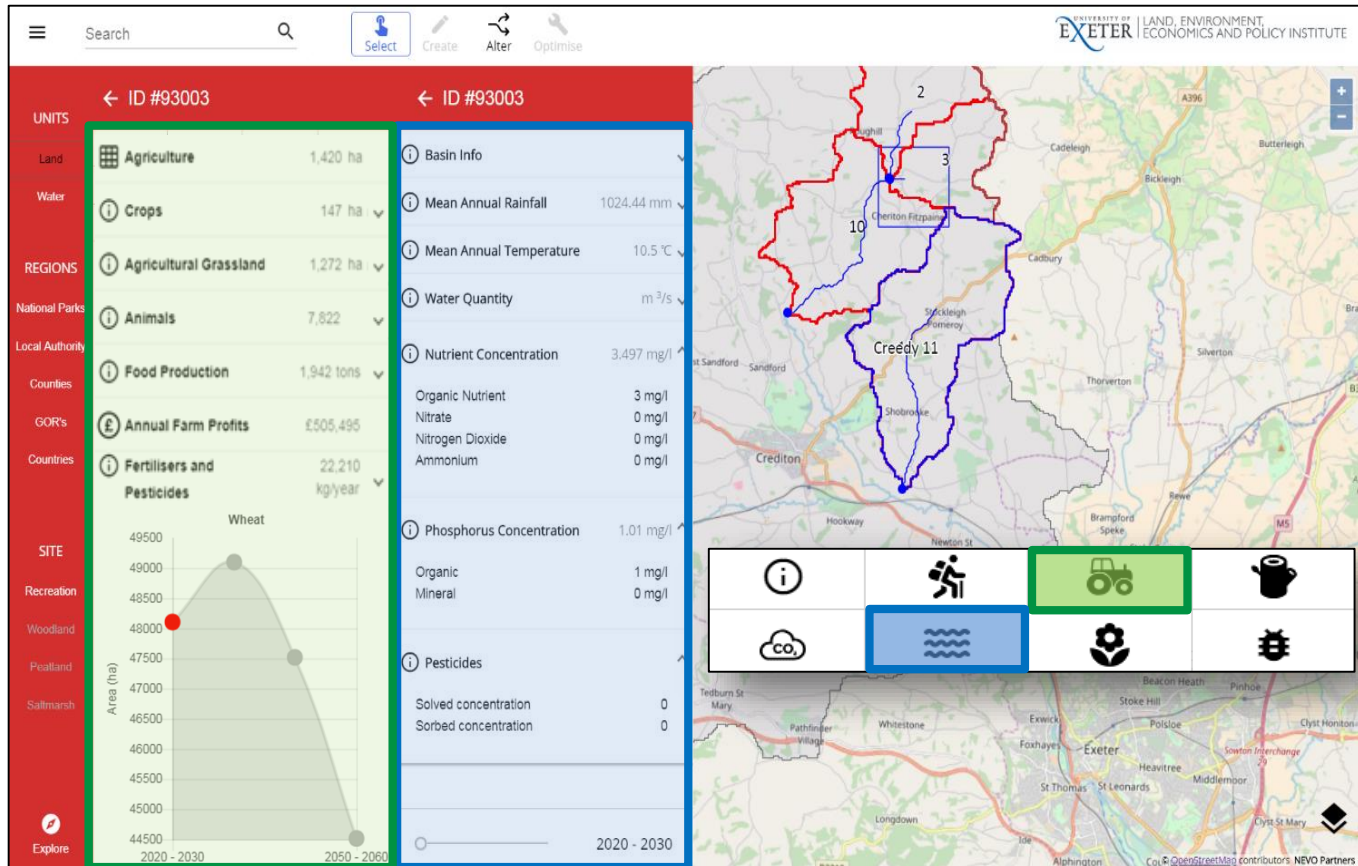
We already have the decision support tools to improve decisions

Natural Environmental Valuation Online (NEVO) tool



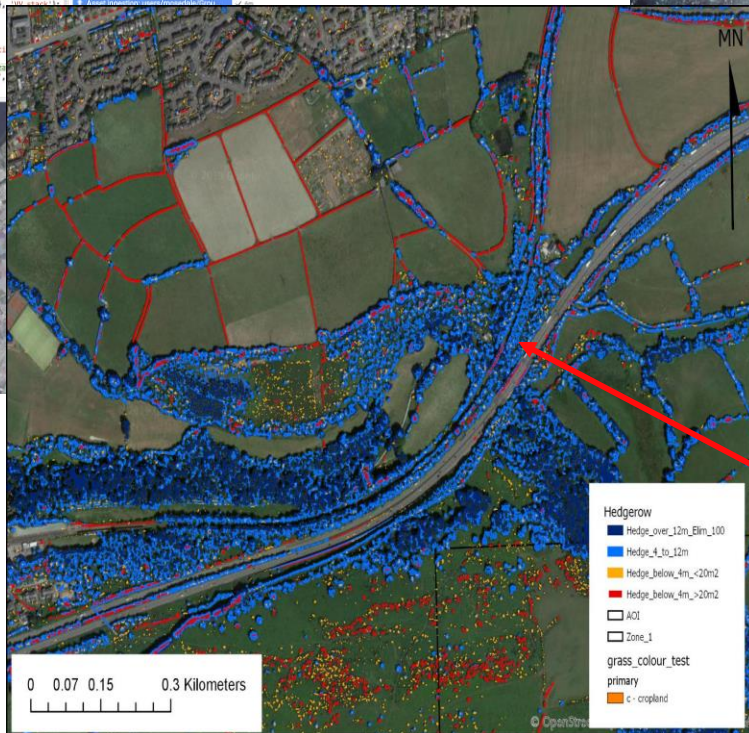
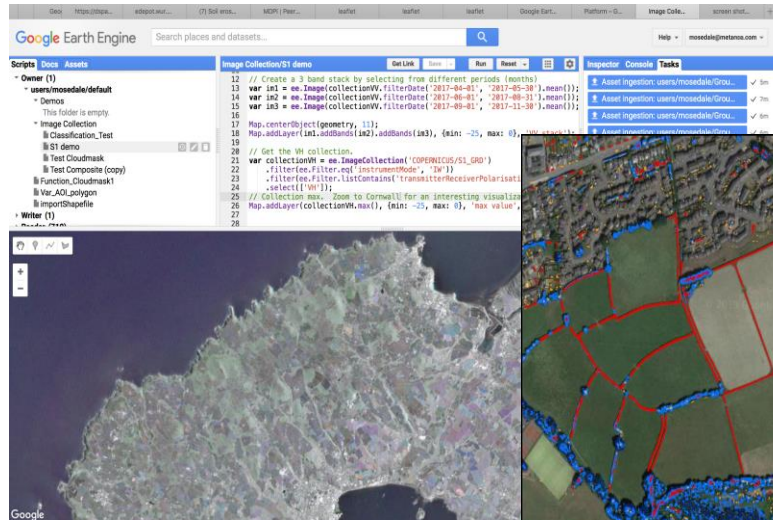
Source: Day, B.H. et al., LEEP Institute, University of Exeter Business School

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We can bring vast data resources into everyday decisions



e.g. satellite derived map of carbon storage in woodland & hedge biomass

Allows us to calculate and monitor carbon storage to 2050

We can bring vast data resources into everyday decisions

