Ecosystem Services and Risks to Infrastructure

Background
Landmark Information Group gathers, interprets and presents data to a wide variety of clients, including government. We power websites such as Magic.gov.uk and provide tools for data analysis. Our focus has been on environmental and geographical information, with more recent success in manipulating ‘big data’.

Concept Outline
Landmark are proposing to create a virtual platform that will (inter alia) allow businesses to identify where ecosystem services (ecoservices) can best be deployed to protect or improve business performance. This would include habitat creation to protect infrastructure assets from temperature extremes, storms, flooding, drought and pollution; such habitat could also reduce public perception risks by providing recreational and aesthetic benefits to affected communities. The platform could inform the design and location of infrastructure assets to reduce environmental risks and maximise ecoservice benefits.

Collaboration Request
Landmark are looking for academic partners to bid for NERC Environmental Risks to Infrastructure Innovation funding call. The proposed platform will convert academic research and knowledge into practical tools for businesses to use ecoservices effectively. The data generated by the use of the platform could be used by our academic partners in their ongoing research.

Landmark would like to hear from those researching:
- Natural Capital valuation, qualification and quantification.
- Efficiency of ecosystem processes as a function of integrity, area covered, diversity of species and/or isolation.
- Payment for Ecosystem Services and biodiversity offsetting.
- Theoretical application of ecoservices or analysis of case studies.
- Economic benefits of ecoservices to specific parties or wider communities.
- Interplay between ecosystems and agriculture, especially if focusing on ecoservices and agriculture.
- Use of ecoservices in climate change mitigation and adaptation.
- Any other research relevant to applying ecoservices in a commercial context.

Please contact Angus.Middleton@landmark.co.uk if you would like to discuss collaboration.
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