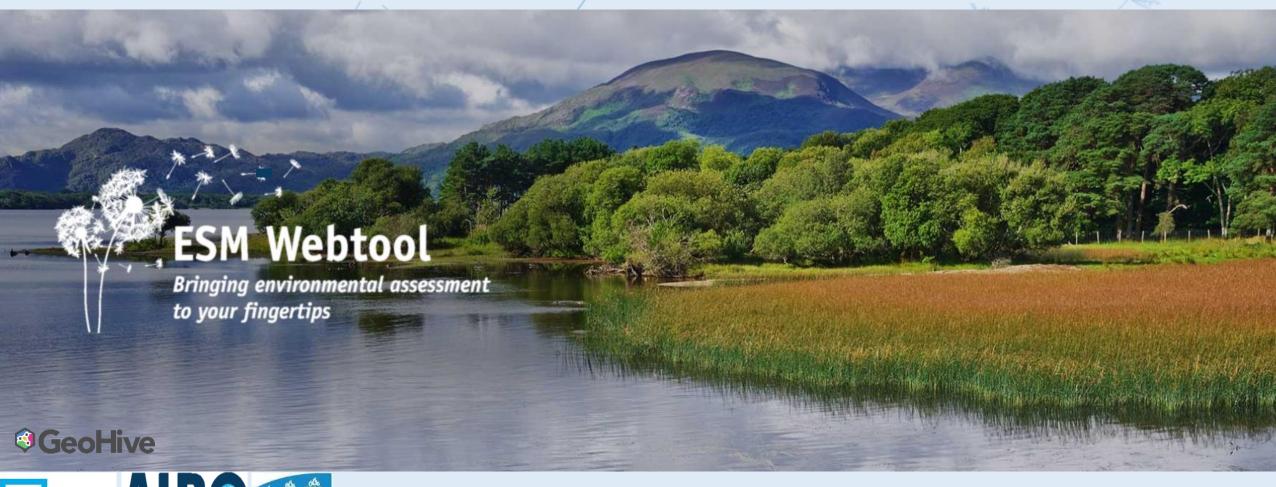
Environmental Sensitivity Mapping





SEA and Spatial Planning



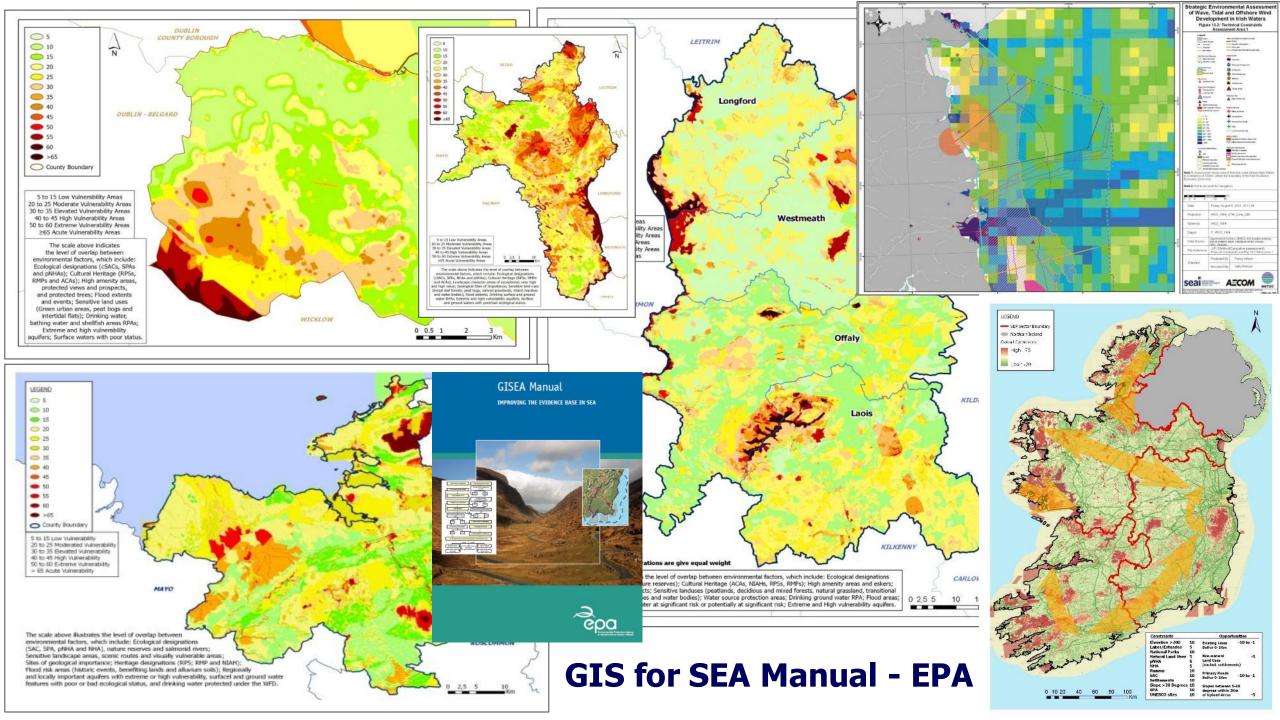
- Population and human health
- Biodiversity, flora, fauna
- Air and climate
- Soils and geology
- Water
- Landscape
- Cultural heritage
- Material assets
- Inter-relationships

Multiple considerations, spatial implications, consultation

Spatial evidence-base for SEA and planning decisions

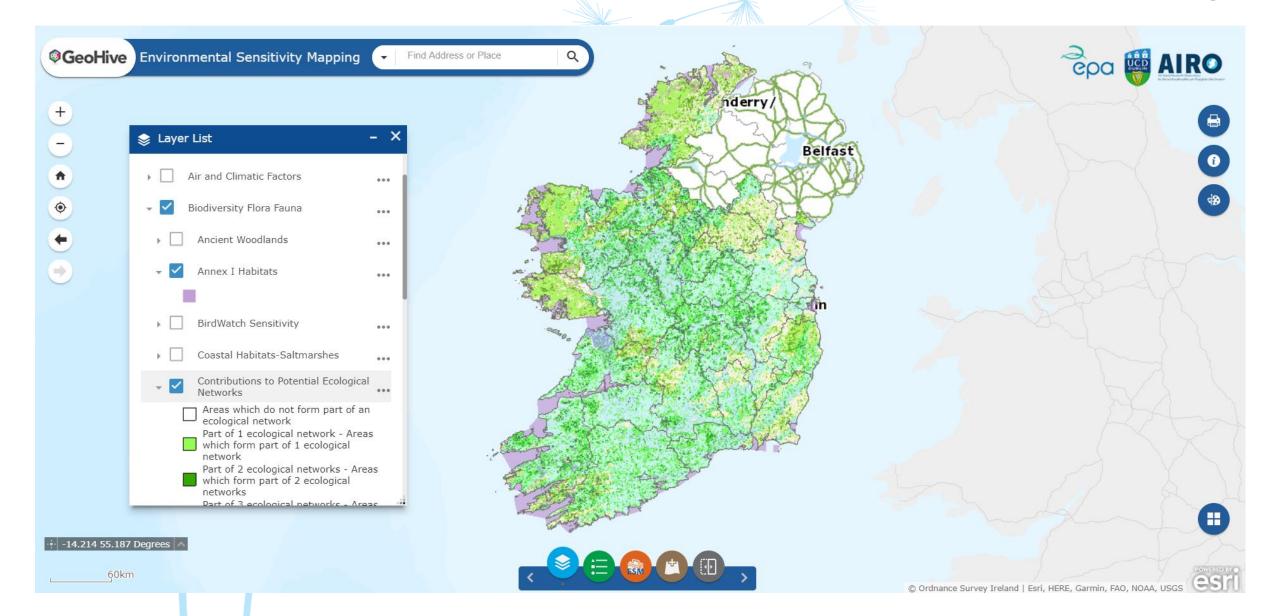
- ✓ Assessment consistency and transparency
- ✓ Intrinsic environmental conditions > susceptible to change
- ✓ Early-warning of potential land-use conflicts





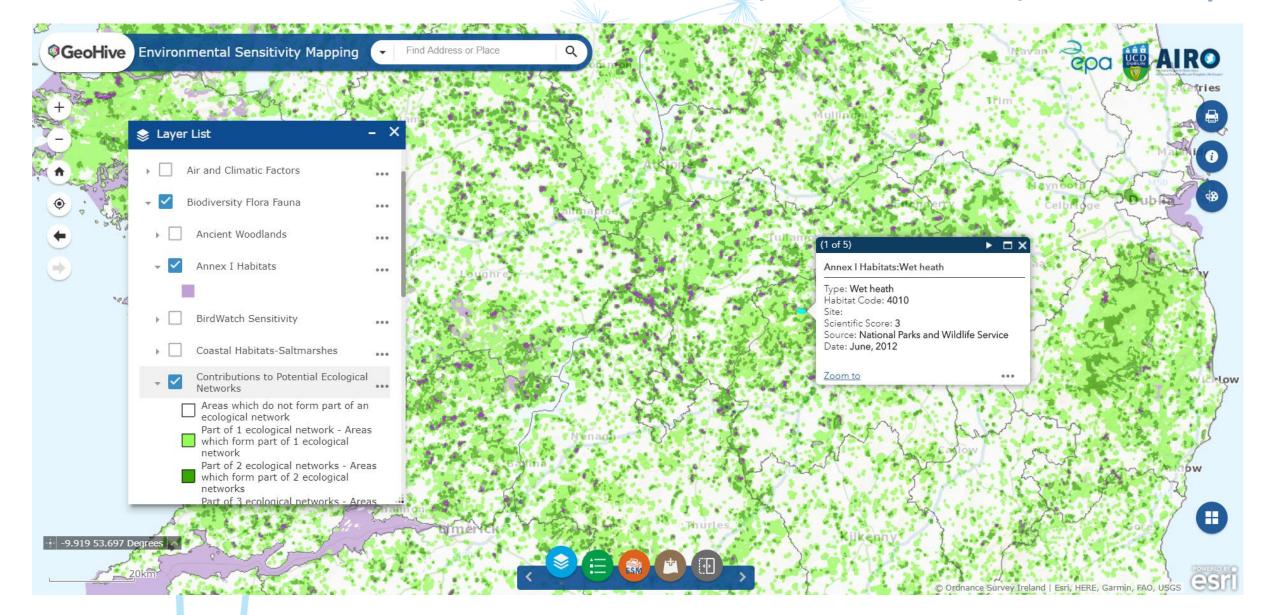
Data Viewer

Access, Visualisation, Discovery



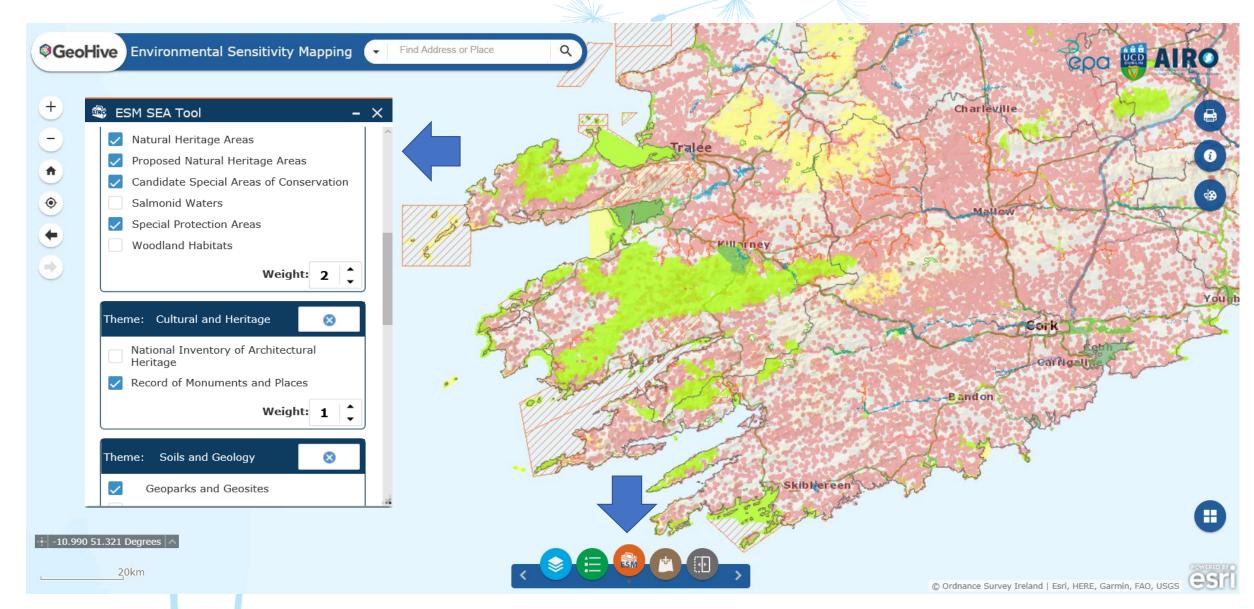
Data Viewer

Access, Visualisation, Discovery



ESM Widget

Bespoke geoprocessing tool



ESM Output

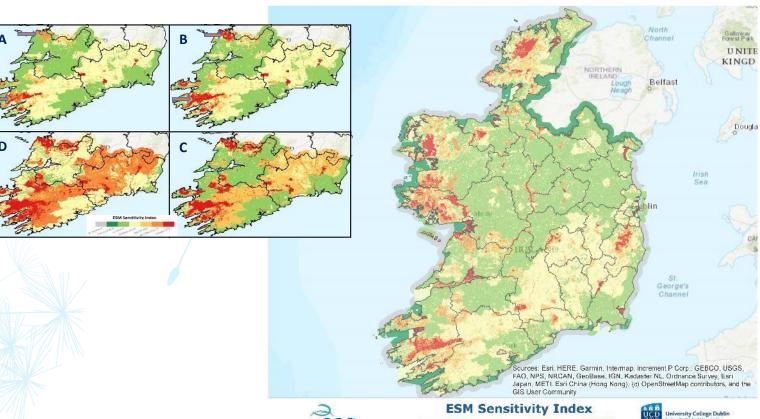
Transparency

- Map creator
- Date
- Selected datasets
- Applied weights

Comparability

- Systematic approach
- Transboundary assessments
- *When selecting same criteria and weights

National SEA Analysis (NPF)







Date: 9/22/2019 Time: 2:16:21 PM Author: AIRO

*This map is an aggregate result based on the variables and user defined weights listed below.

Waming: Please note that weights are only to be used to emphasize the relative significance of an environmental aspect - applying weights to more than two themes would magnify, and possibly overstate, the overall sensitivity.

Air & Climactic Weight: 1 Variables: Air Zones, Historical Flood Extents

Biodiversity, flora and fauna, Weight: 1 Variables: Ancient Woodlands, Annex T Robifats, Forest Inventory, Manyaribitera Scensiive Arces, Material Heritage Arcas, Special Areas of Conservation, Special Protection Areas

Cultural Heritage Weight: 1 Variables: Mational Inventory of Architectural Heritage (NIAH), Sites and Monuments Record

Population and Human Health Weight: 1 Variables: WFD RPA Groundwater Drinking Water, WFD RPA Surface Water Drinking Water (Lakes), WFD RPA Surface Water Drinking Water (Rivers)

Soils and Geology Weight: 1 Variables: Peet Bogs

Water Weight: 1 Variables: Aquite Vuinerability, Groundwater Source Protection Areas, Wetlands, WTD RPA Recreational Vaters (Casatal and Transitional Vater Booles), VFD RPA Recreational Waters (Lakes), VFD RPA Vister Dependent Habitats (SBACs), WFD RPA Recreational Vister Dep

SEA and Planning Support Tool

- Evidence-based assessments and decisions
- Efficiency...time and cost savings
- Good governance consistency, transparency, comparability

ESM Training

- 25th June 10:00-13:30
- Register: https://www.eventbrite.ie/e/149717211209
- Additional workshops in the Autumn



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