

Condatis Bottlenecks

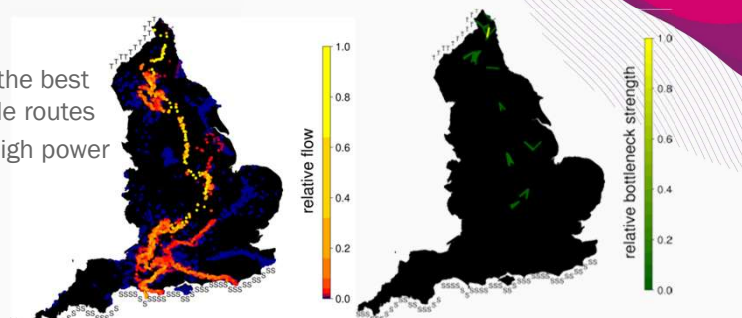
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IALE 2025 European Landscape Ecology | Bratislava, Slovakia | September 2025

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Bottlenecks

- Gap in the best available routes
- It has high power



Flow and bottlenecks from *Condatis* run through England calcareous grassland with dispersal distance of 2km (S= source; T= target locations)

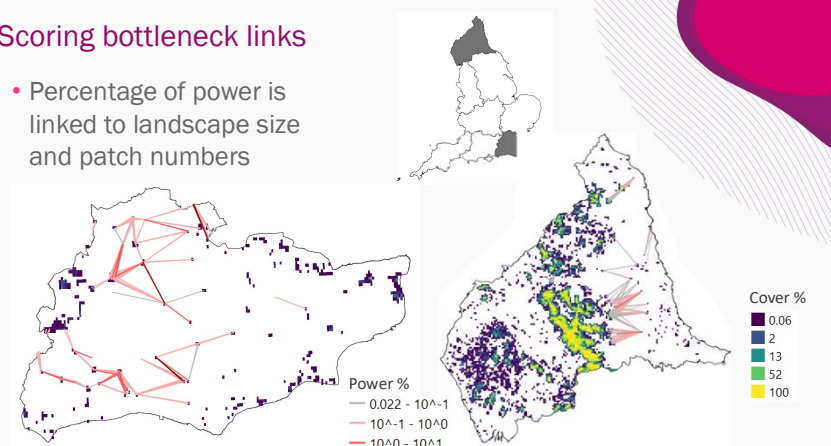
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Traves, J. & J. Hodgson. (2021) Habitat patches providing South-North connectivity are under-protected in a fragmented landscape. *Proc. Roy. Soc. B*, 288, 2021.0101.

2

Scoring bottleneck links

- Percentage of power is linked to landscape size and patch numbers



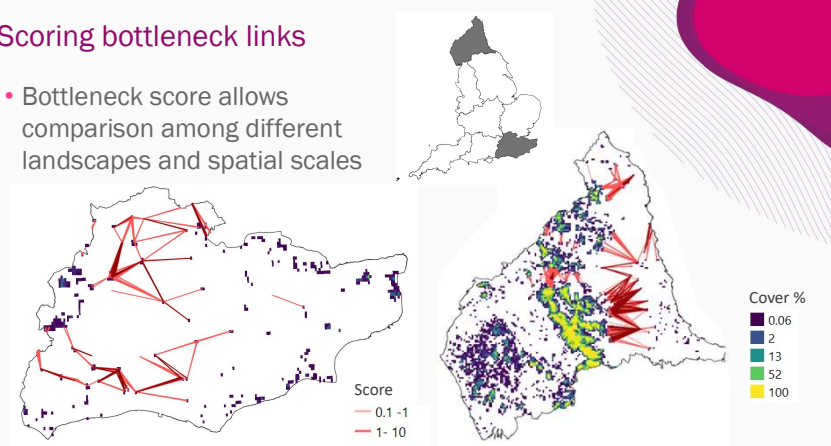
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Hodgson J. et al. 2024. Condatis bottlenecks: spatial data for broad habitat networks in England. <https://doi.org/10.31233/osf.io/zt760>, Harvard Dataverse V1.

3

Scoring bottleneck links

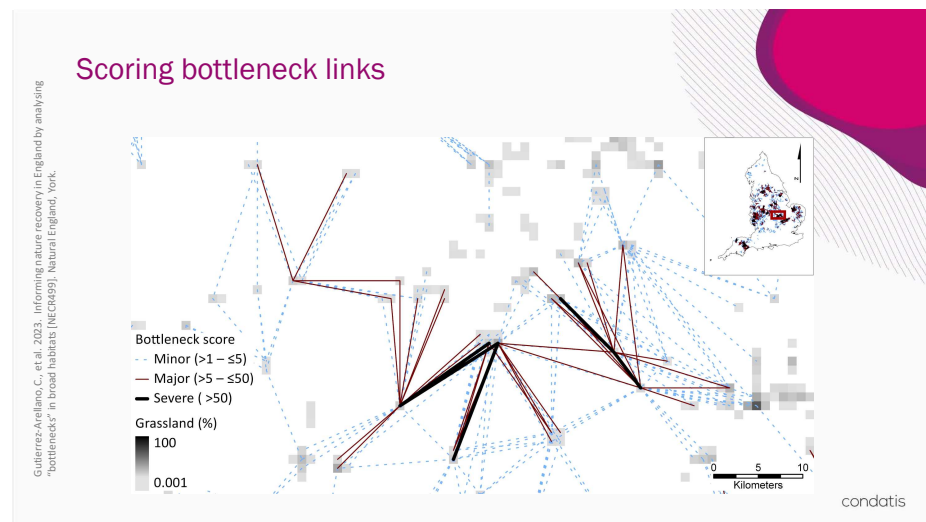
- Bottleneck score allows comparison among different landscapes and spatial scales



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Hodgson J. et al. 2024. Condatis bottlenecks: spatial data for broad habitat networks in England. <https://doi.org/10.31233/osf.io/zt760>, Harvard Dataverse V1.

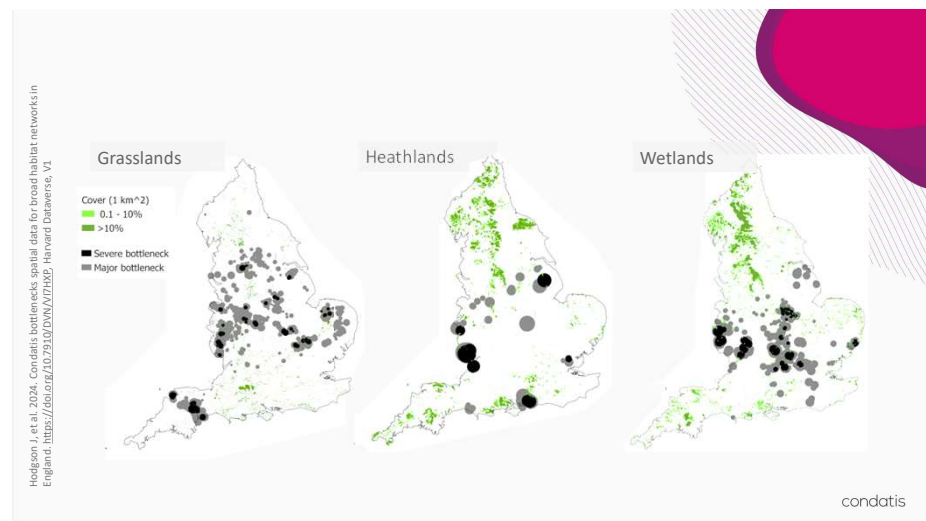
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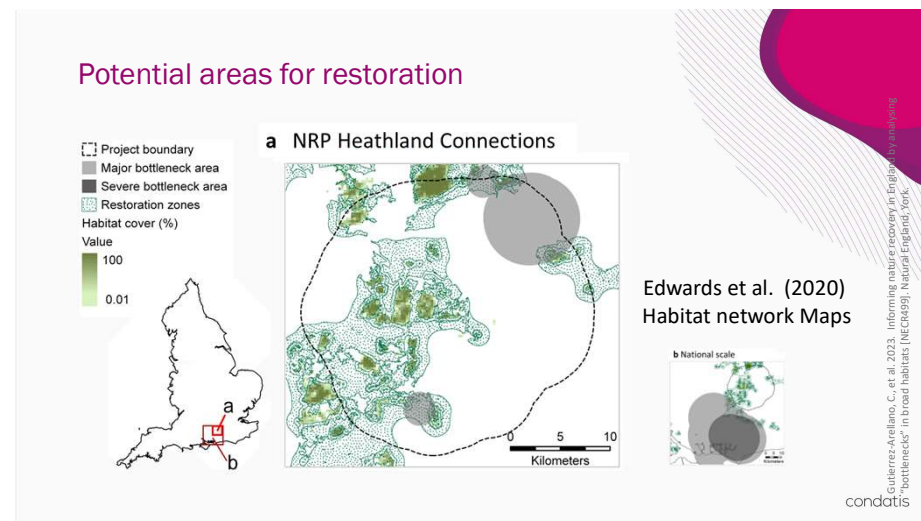
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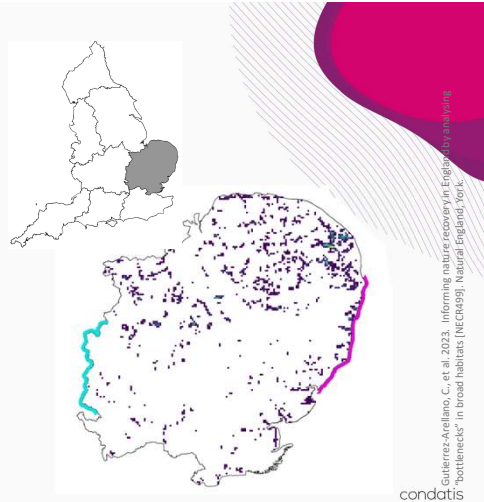
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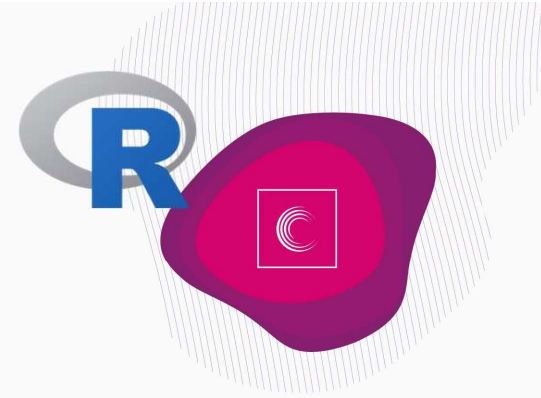
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- Prepare data
 - Run Condatis analyses
 - Produce maps of *progress*, *flow* and *bottlenecks*
 - Create *Search areas* maps
-
- **Connectivity of Wetlands in Eastern England**



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https://condatis.github.io/Ctraining_inR_25/rworkflow

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