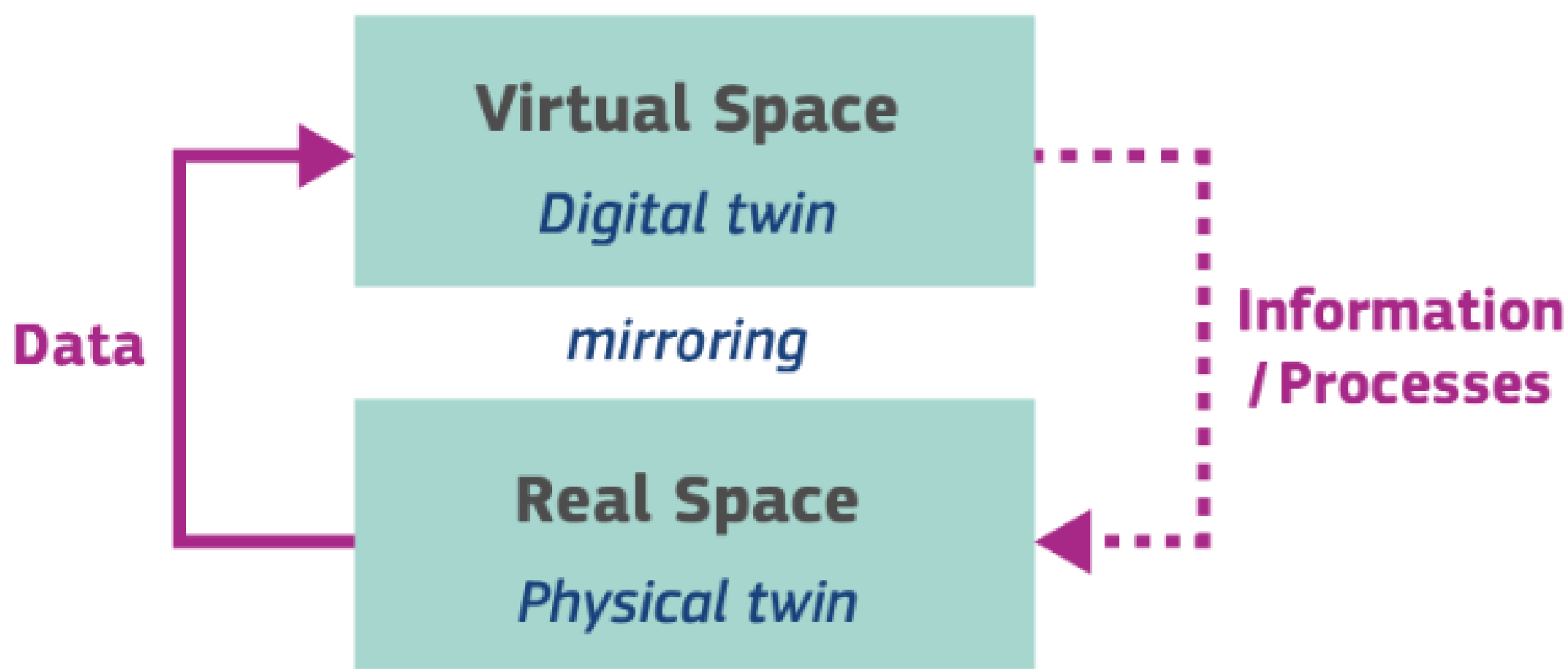




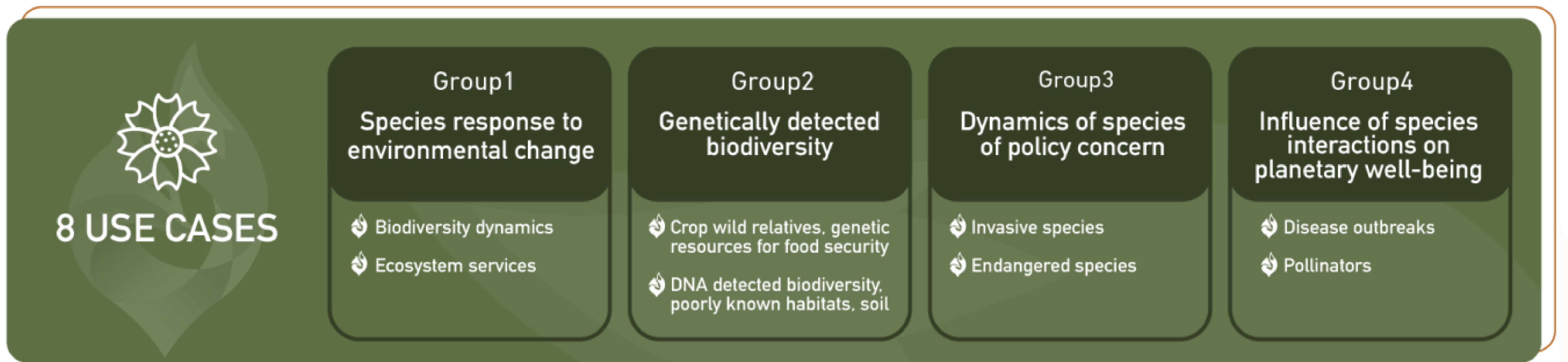
Aim : Build and deploy pre-operational digital twin in BioDT platform

Digital Twin is a virtual representation of real-world entities and processes, synchronised at a specific frequency and fidelity



In BioDT, DTs used to:

- Mimic behaviour observed in nature
- Contribute toward EC goal of devising a full DT of the Earth



Data available from four Research Infrastructures



eLTER RI



DISSCO UK

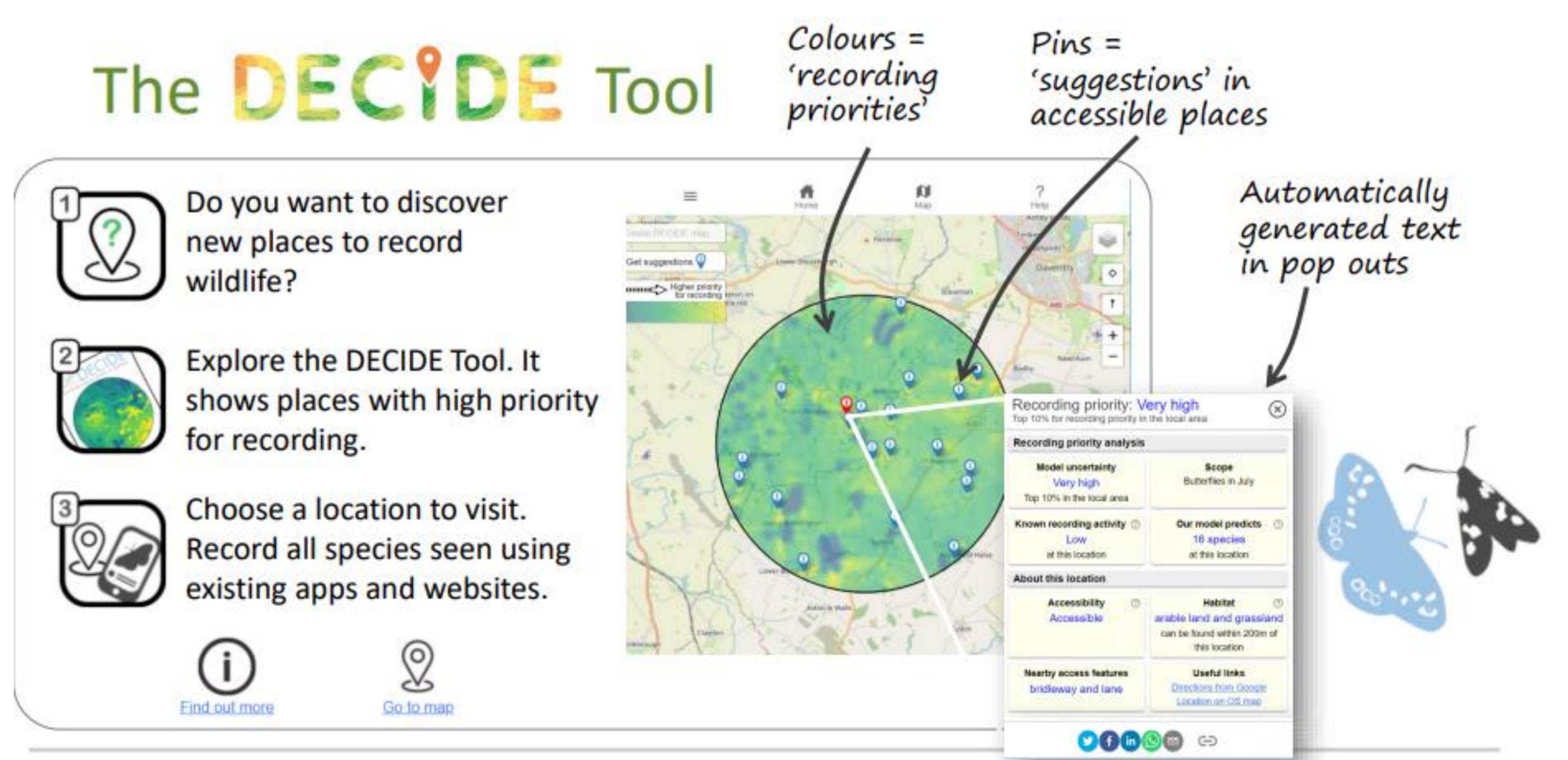
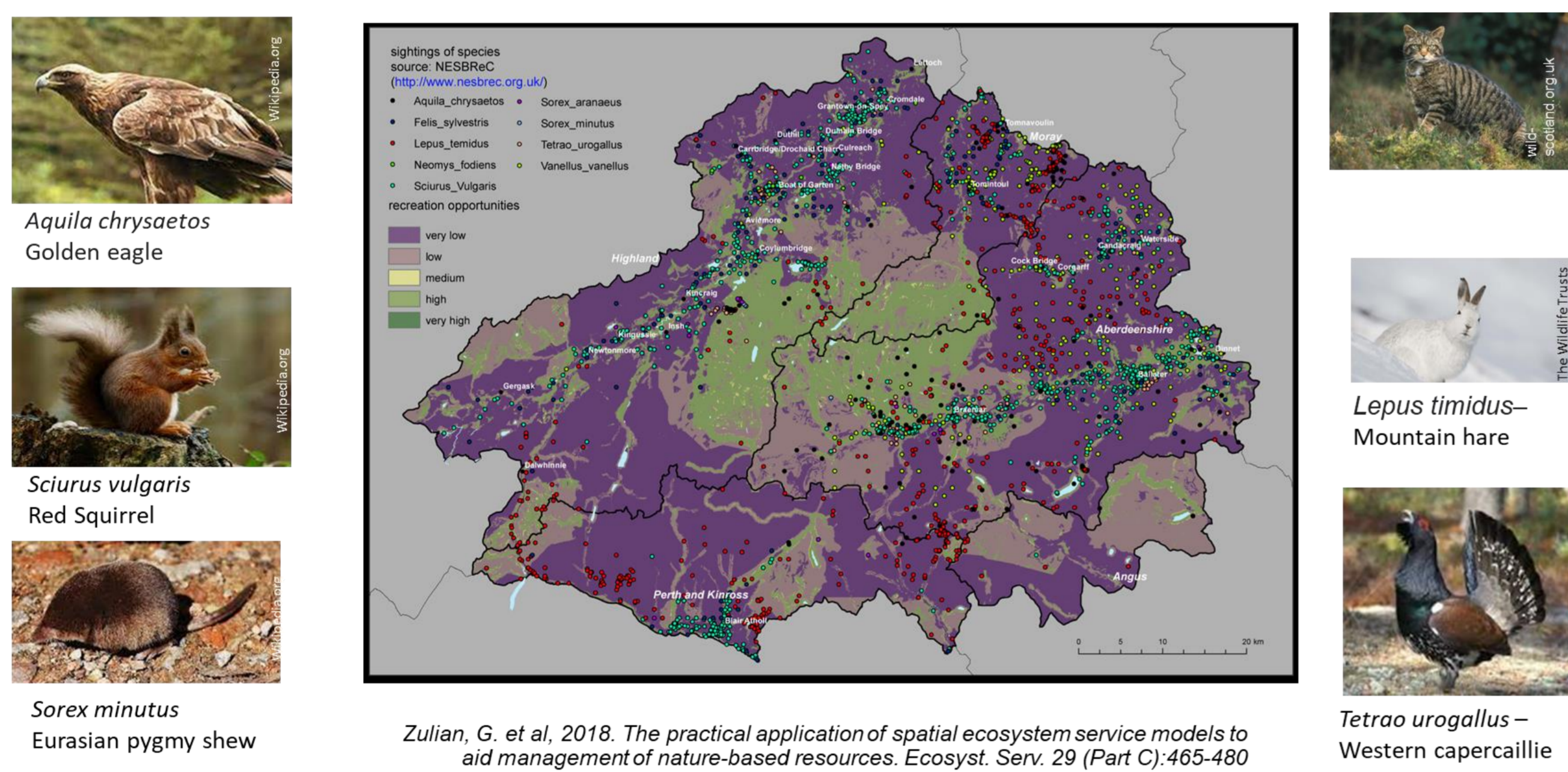


GBIF

Global Biodiversity Information Facility

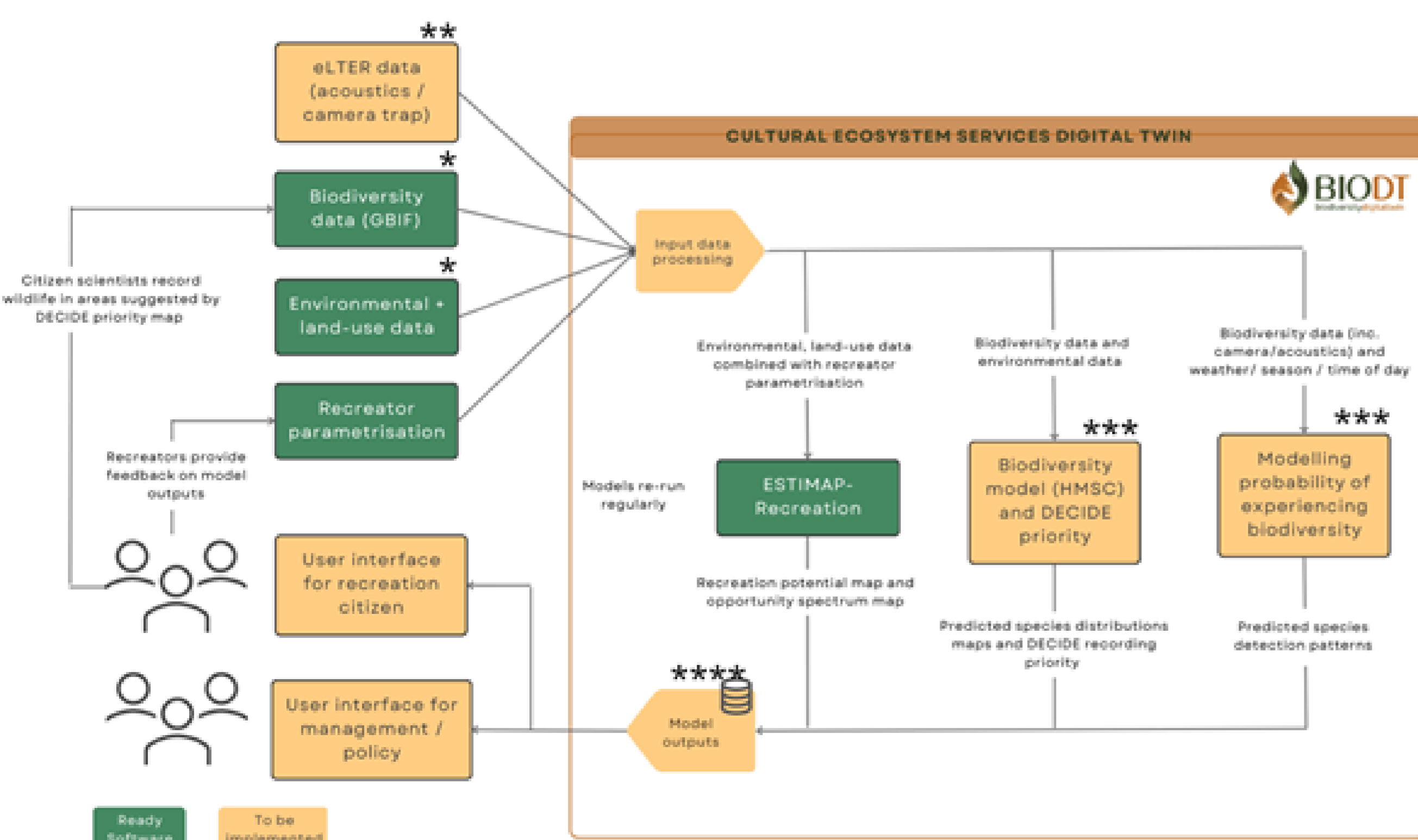


Recreational potential and biodiversity in the Cairngorms National Park



The Digital Twin will combine multiple data sources from the eLTER site including professional monitoring, acoustic monitoring, camera traps in addition to social science research conducted in the Cairngorms Long term socioecological research (LTSER) platform.

Combined with adaptive sampling approaches pioneered in the DECIDE project whereby citizen scientists will be directed to areas where the Digital Twin requires biodiversity data to improve its biodiversity models and citizens recreating in nature have the highest probability of viewing a species and enjoy the cultural ecosystem services of the area.



* Existing data will be referenced using persistent identifiers if possible.
 ** If input data hasn't been published elsewhere, it will be documented using the eLTER DAR
 *** Used models will be documented or referred to depending on existing resources
 **** Generated data products will be published in the eLTER DAR (if feasible)

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WHY: is it important to be part of networks and projects?

BECAUSE: coming together is a beginning; keeping together is progress; working together is success

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