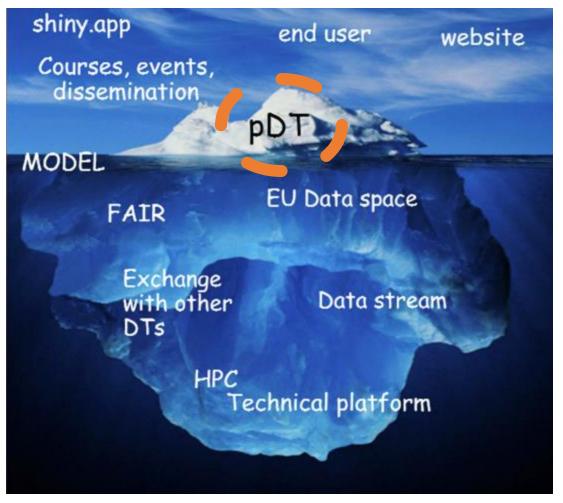


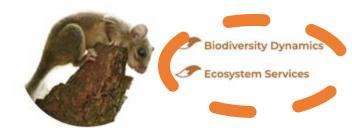
Biodiversity Digital Twin for Advanced Modelling, Simulation and Prediction Capabilities







Species response to environmental change



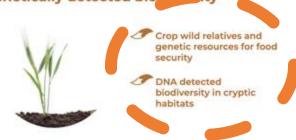
Dynamics and threats from and for species of policy concern



Species interactions with each other and with humans







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⑤ Info ಈ Digital Twin ▼

§† Species response to environmental change

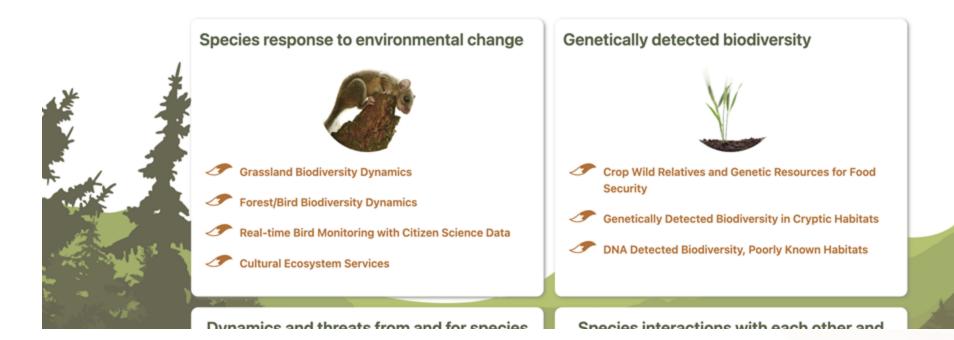
Cultural Ecosystem Services

** Species interactions with each other and with humans and models for simulation and prediction capabilities, through practical use cases addressing critical

Honeybee

BioDT exploits the LUMI Supercomputer and employs FAIR data combined with digital infrastructure, predictive modelling and AI solutions, facilitating evidencebased solutions for biodiversity protection and restoration.

The project responds to key EU and international policy initiatives, including the EU Biodiversity Strategy 2030, EU Green Deal, UN Sustainable Development Goals, Destination Earth.

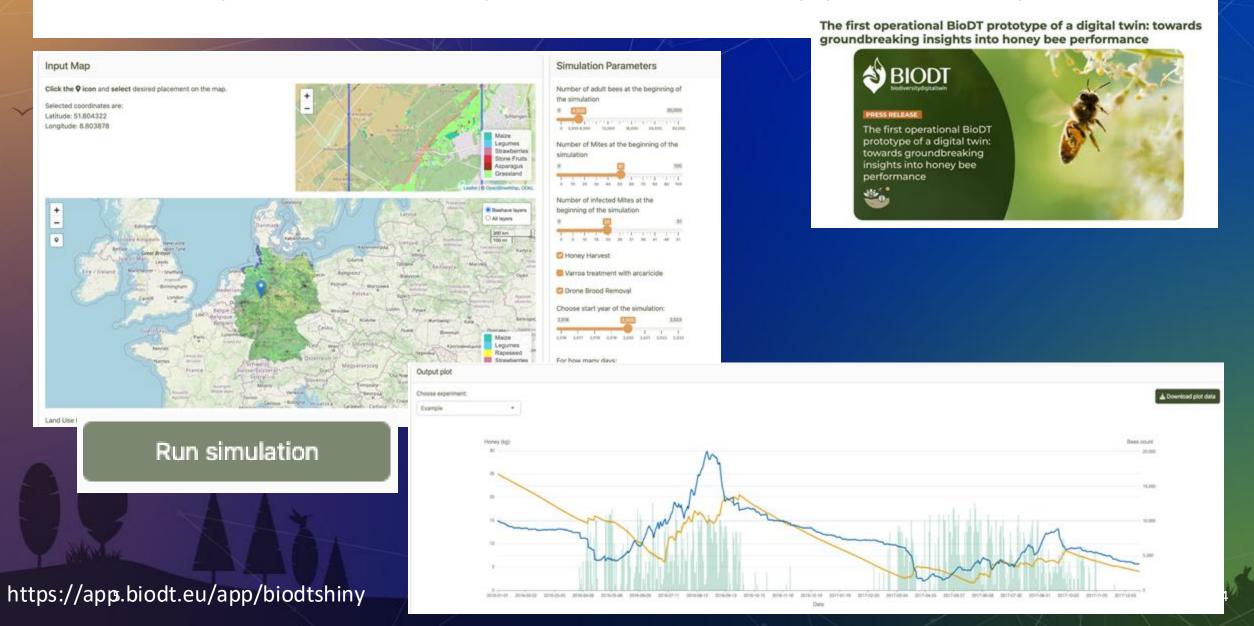


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Where are the best locations and treatments to optimize honey production?

pDT: Beehive dynamics and honey productivity





A digital twin fosters collaboration by its nature:



- Data
- A model
- An application/representation = USERS
 - Data <-> Model <-> Interface















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Thank you!















































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