

SENCKENBERG
world of biodiversity

NFDI, OSIRIS, DISSCO AND BEYOND

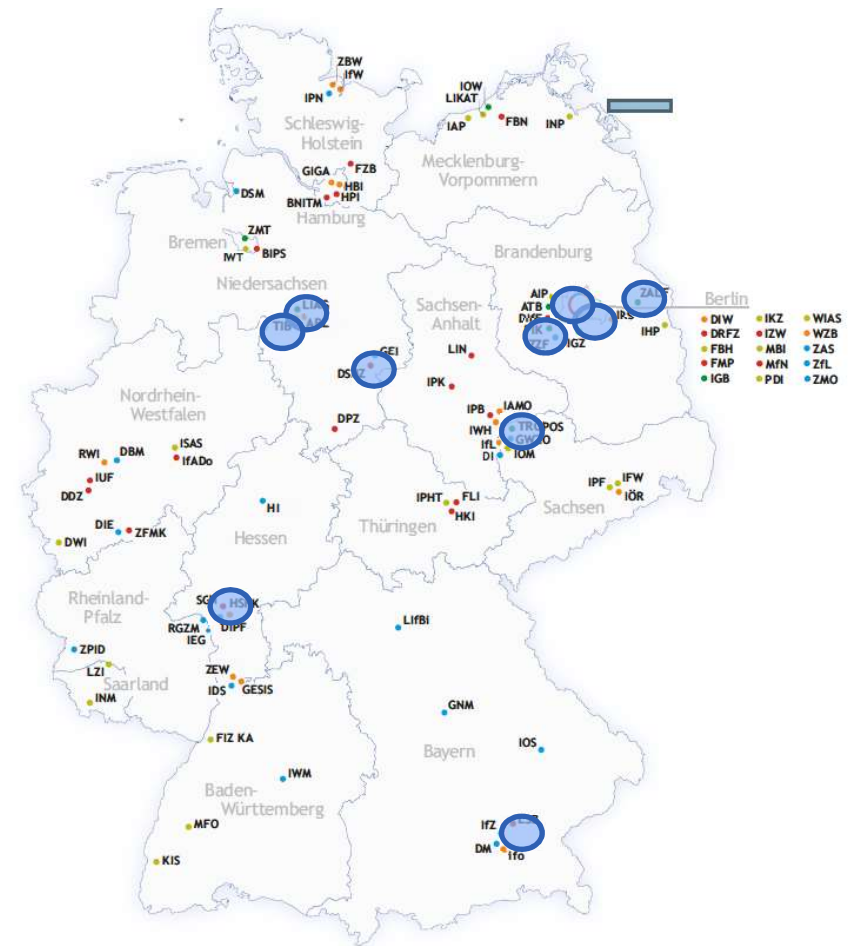
A Leibniz institute's perspective on data structures

KARSTEN WESCHE*, CLAUD WEILAND, JONAS GRIEB, THOMAS HICKLER, SIMON SCHEITER, CHRISTINE RÖMERMANN
*SENCKENBERG MUSEUM FOR NATURAL HISTORY GÖRLITZ



The Leibniz Association

- 97 independent research institutions
- natural, engineering and environmental sciences, economics, spatial and social sciences, and the humanities
- Issues of social, economic and ecological relevance
- 10 in NFDI4Earth



The Leibniz Association: information infrastructures

- Leibniz Roadmap for Research Infrastructures
- Leibniz Information Infrastructures
- Leibniz and NFDI: contributions from >>35 Institutes



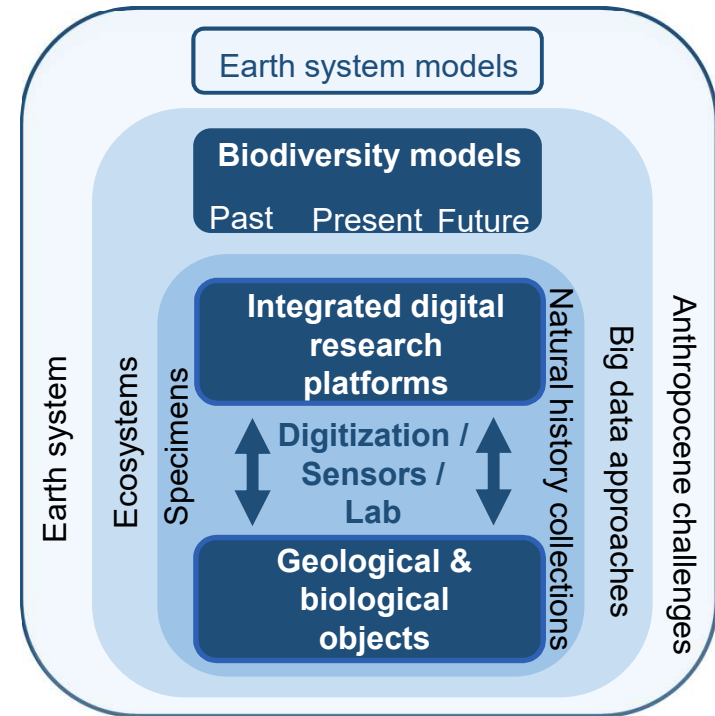
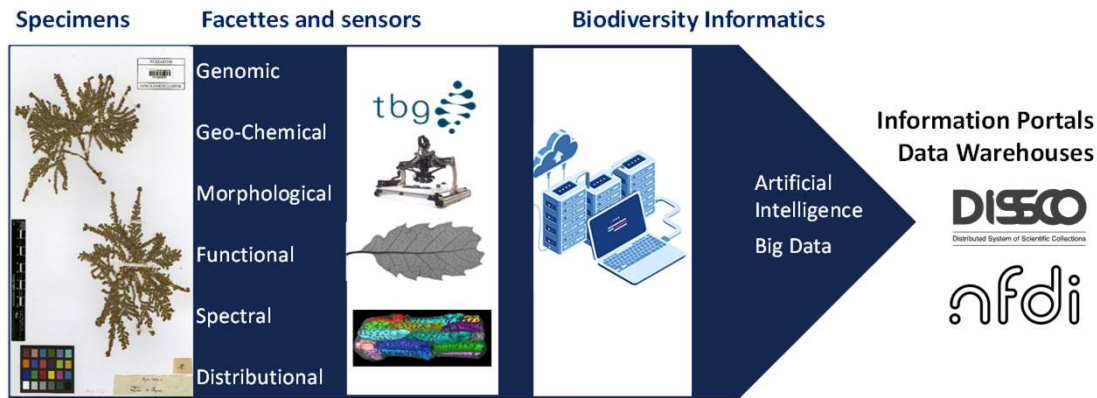
Senckenberg – Leibniz Institution for Biodiversity and Earth System Research



SENCKENBERG
world of biodiversity

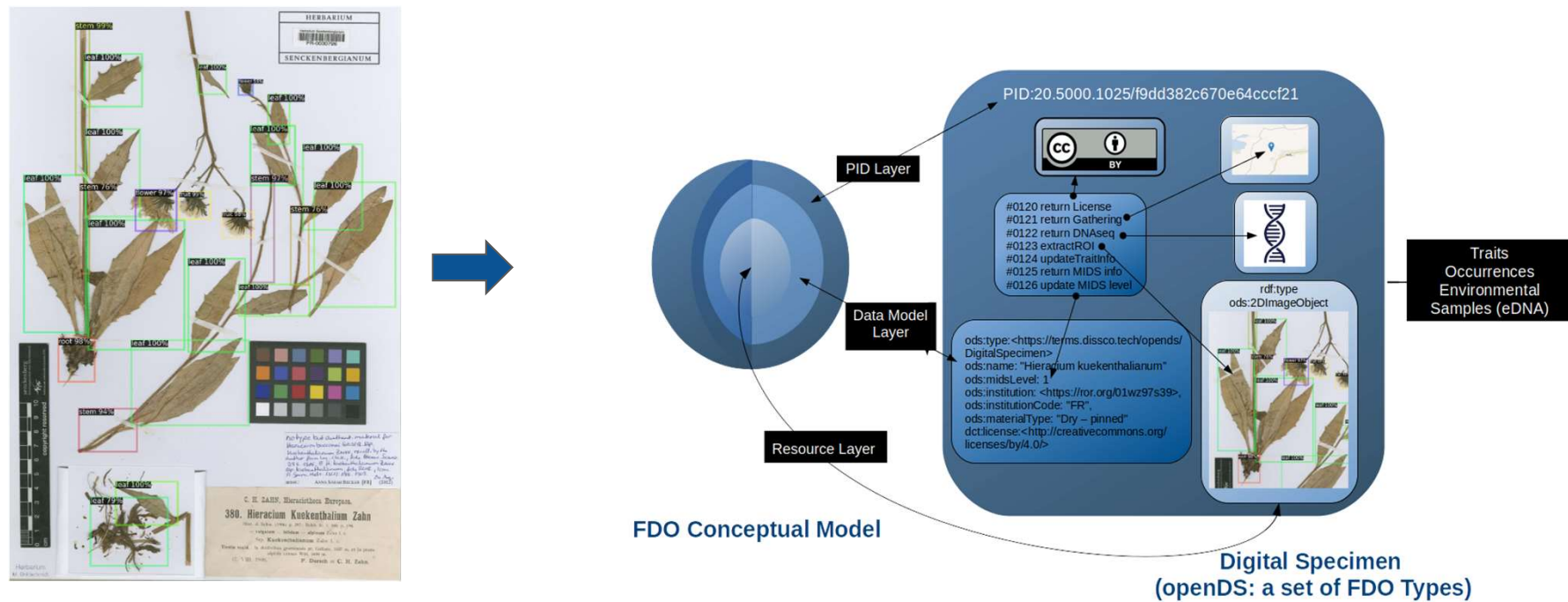


Senckenberg – Collectomics and the Digital Specimen



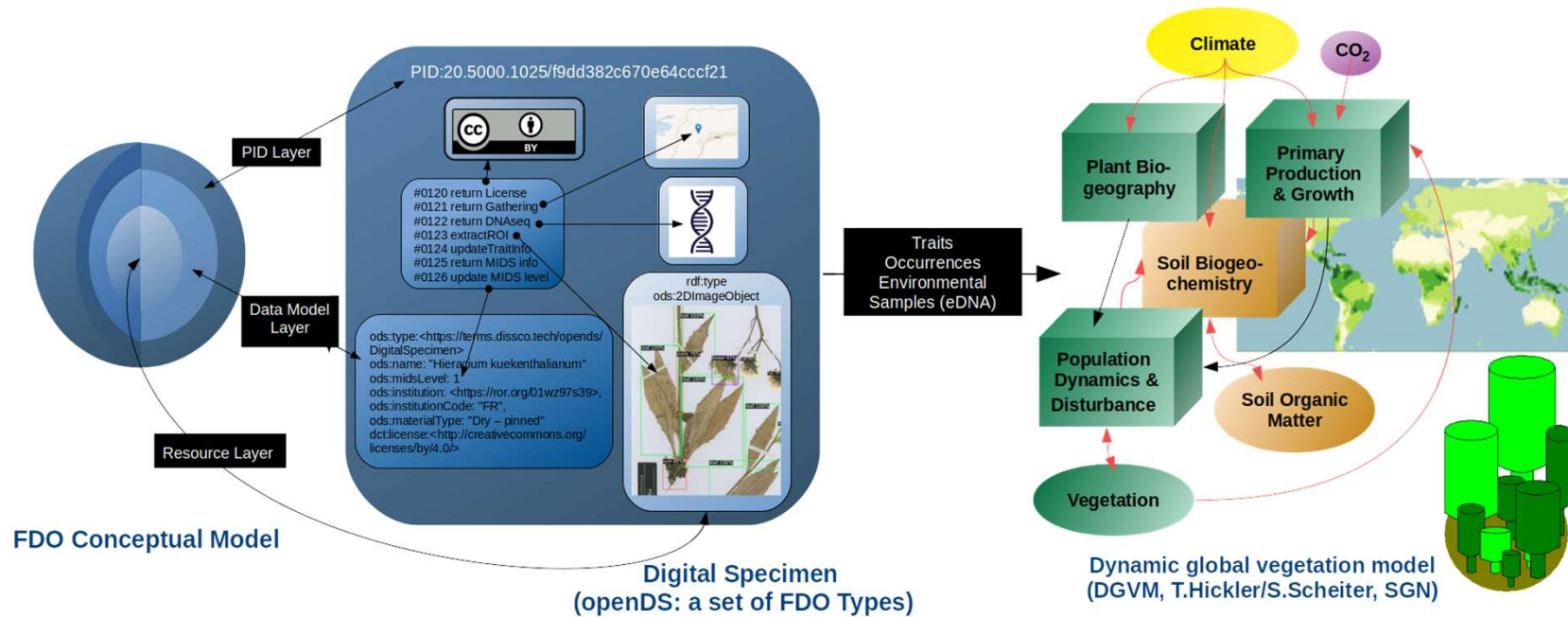
Collectomics and the Digital Specimen

A Digital Specimen [...] represents all information on the internet about a specimen object.



Collectomics and the Digital Specimen

Mobilize data from environmental-related (E)RI(C)s for state-of-the-art modeling



Senckenberg - NFDI

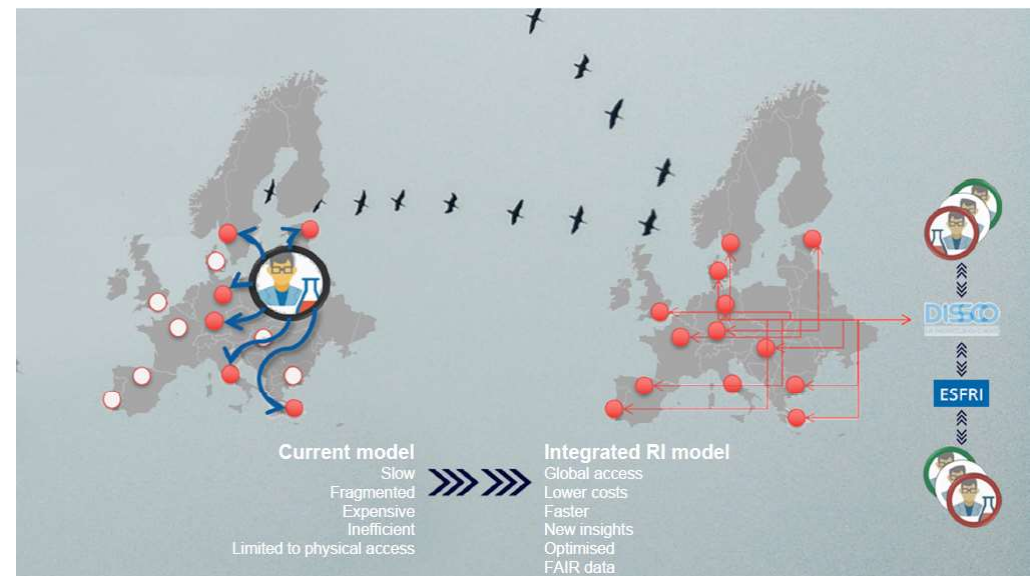
Mobilize data from environmental-related (E)RI(C)s for state-of-the-art modeling



Distributed System of Scientific Collections

DiSSCo

- 1,5 billion specimens, 5,000 scientists, >170 institutions 23 countries
- unify fragmented landscape into a single knowledge base under common curation, access policies and practices



Summary

Thanks to

- Leibniz: ~100 institutions, >>35 involved in NFDIs, broad range of subjects
- Senckenberg focus on biodiversity and earth system research
- Collectomics concept: develop natural history collections to unified national and international research platforms
- Towards a better understanding of history and thus future in the earth system
- **NFDIs ARE KEY FOR SENCKENBERG AND FOR LEIBNIZ**



ACKNOWLEDGEMENTS

Thanks to

- Jörg Seegert, Lars Bernard, the organizers
- Stephan Lesch, Sebastian Rick, Anke Penzlin & Senckenberg Collectomics Team
- Leibniz Association, DFG, BMBF, EU
- **YOU FOR YOUR ATTENTION**

