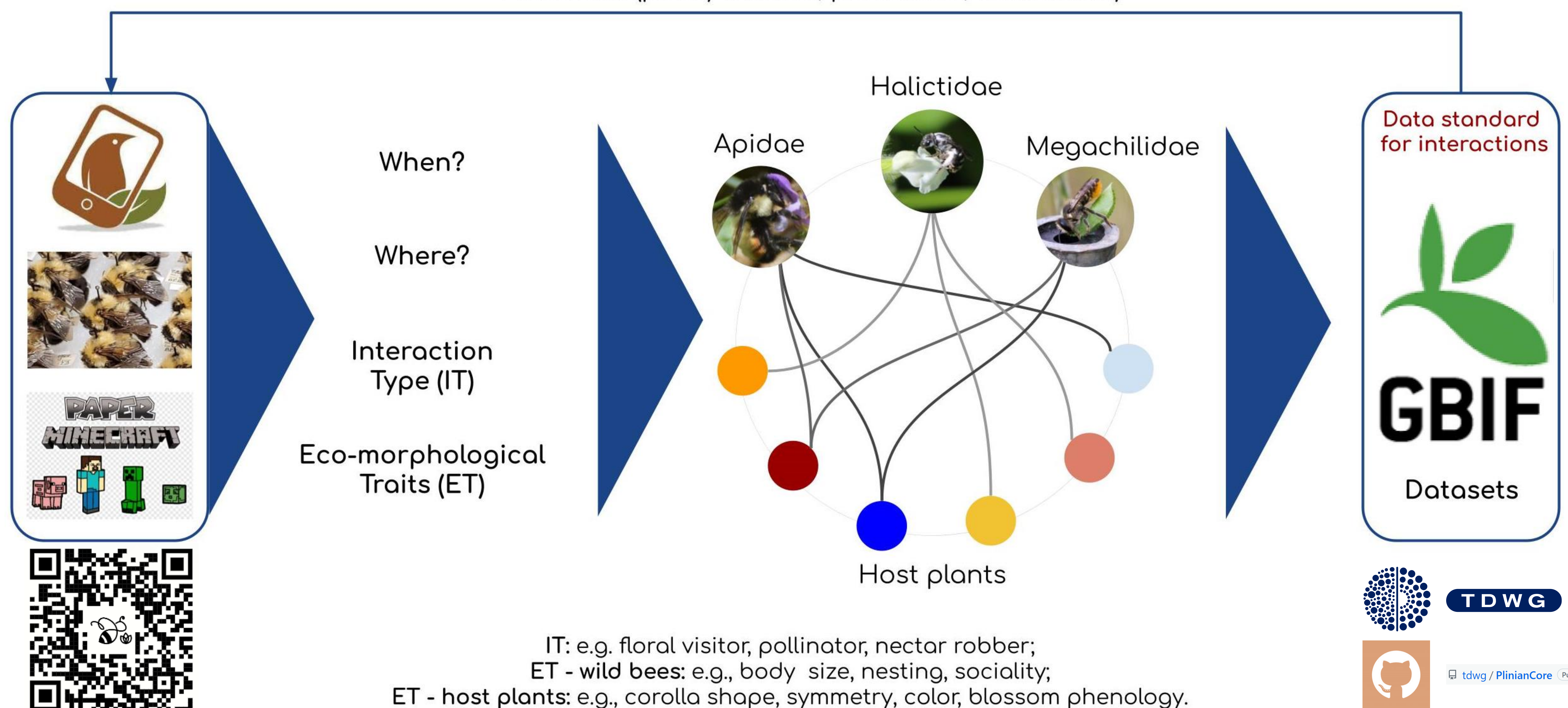


Integration of Biodiversity Data for the Management and Conservation of Wild Bee-Plant Interactions in Mexico (2021 – 2023)

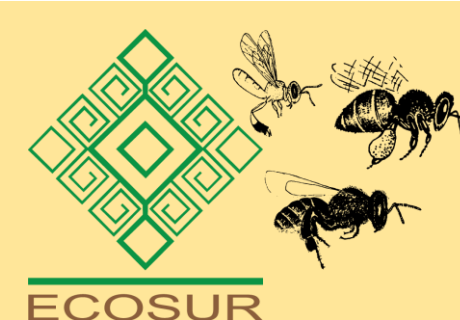
Objectives: mobilize and integrate information about the interactions between Mexican wild bees and host plants (wild and cultivated) by: **1) proposing a data model** for the monitoring of these interactions through the national (SNIB) and international (GBIF) platforms, which maximize the use of the available fields in the DarwinCore (DWC) and GBIF - Extensions; **2) promoting** the registration and collective verification (taxonomic and ecological) of the wild bee-plant interactions; **3) consolidating** a rigorous and dynamic source of information for the study, management, and conservation of pollination; and **4) transferring** the information between at least five institutions in the federal, academic and agricultural spheres.



Feedback (policy makers, producers, academics)



Native Bees Collection ECOAB (ECOSUR)



Diversifying the GBIF Data Model

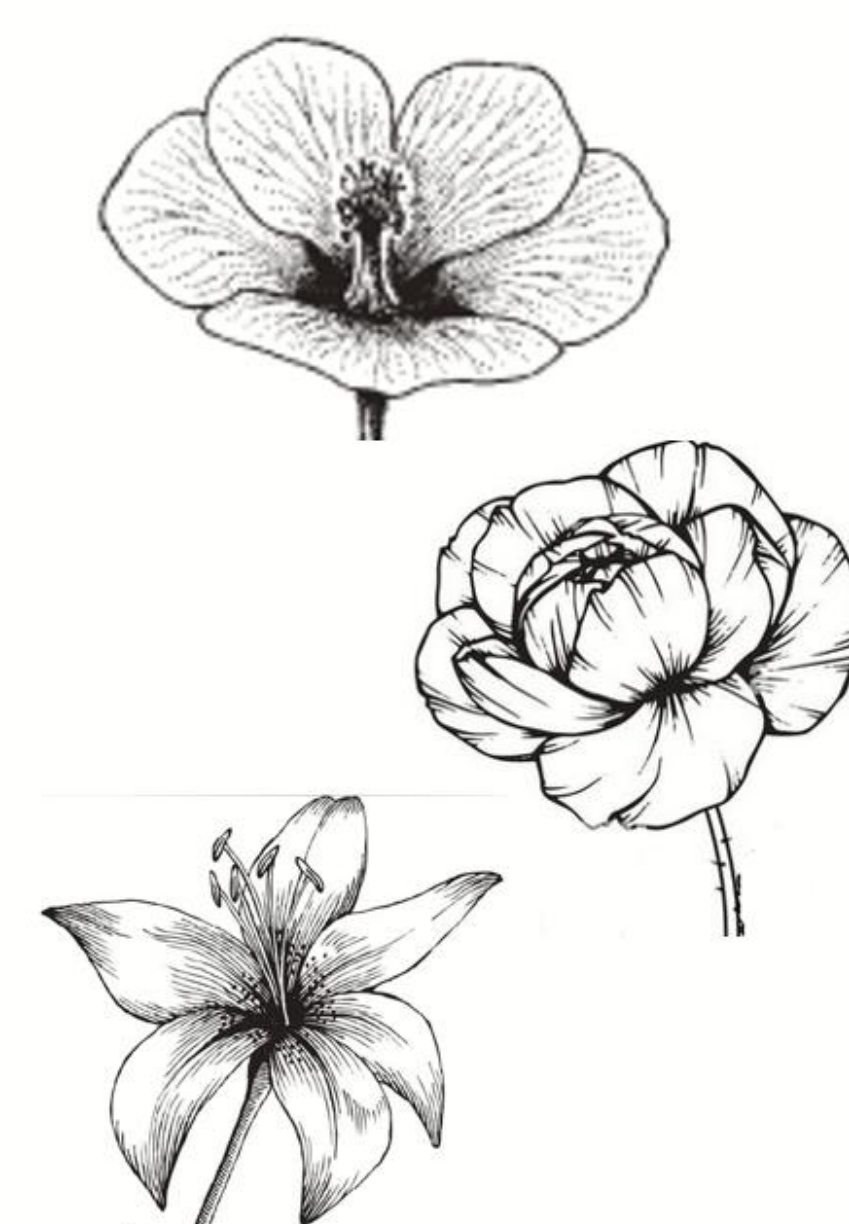
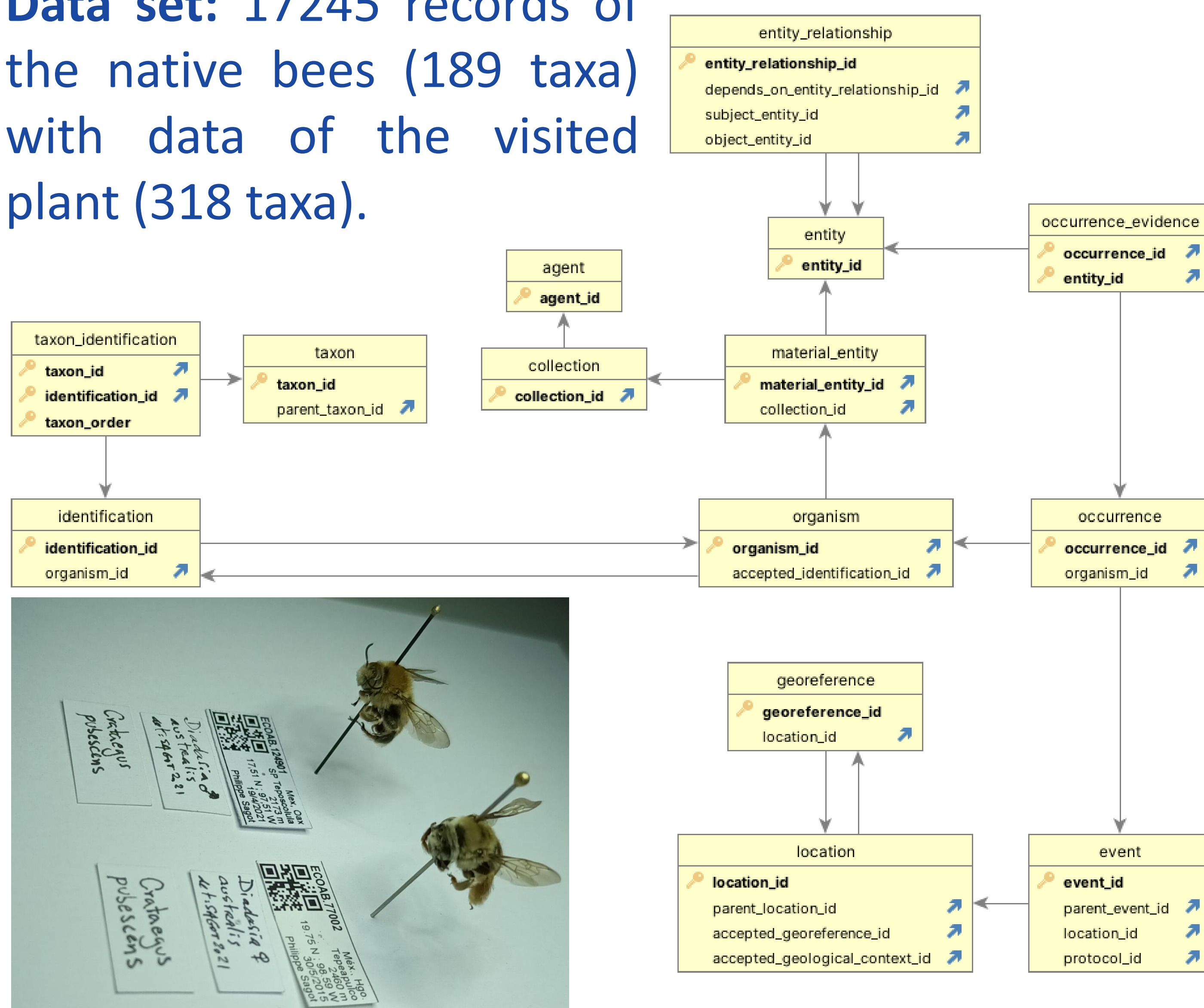
Explore the current ideas for a unified common model capable of supporting expanded data-publishing capabilities and potential directions for evolving the Darwin Core standard



Data set: 17245 records of the native bees (189 taxa) with data of the visited plant (318 taxa).

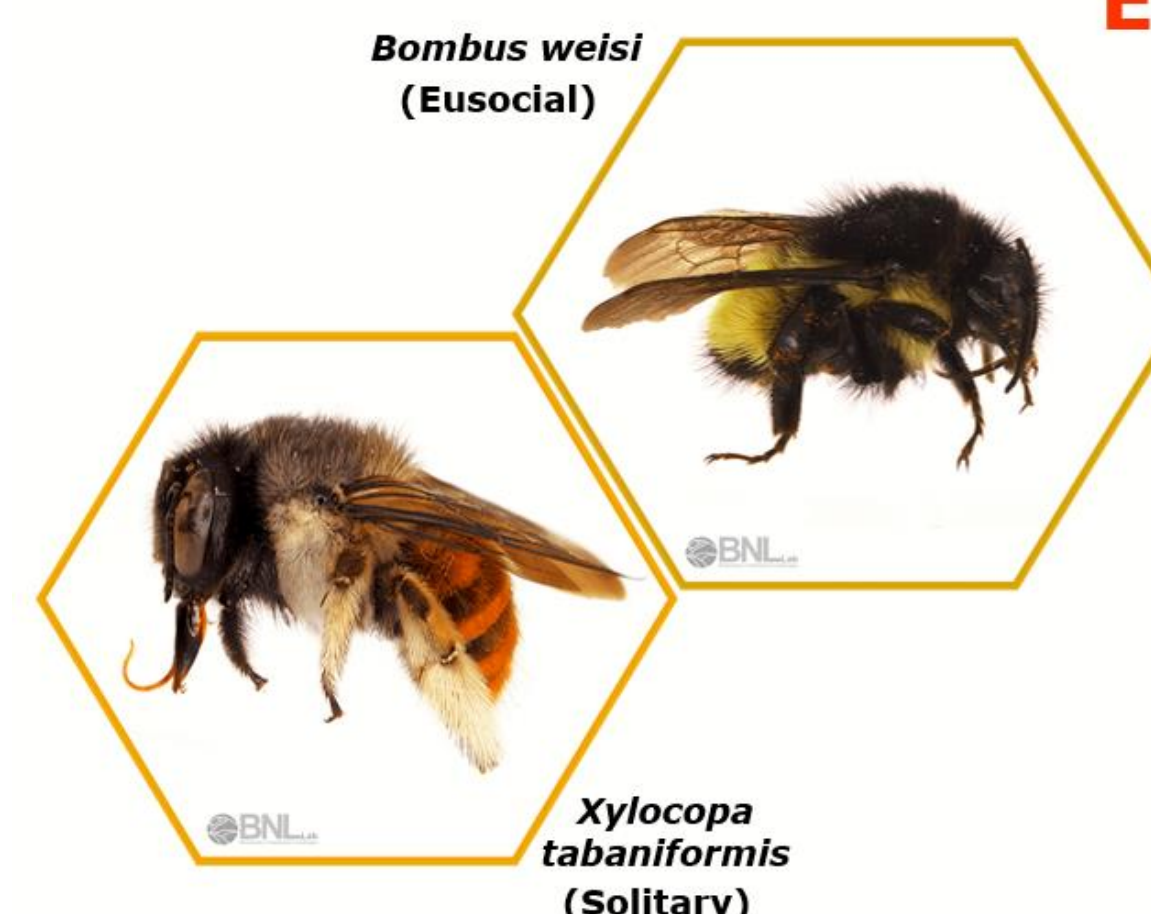
Tables (GBIF Data Model)

1. Agent
2. Collection
3. Entity
4. Entity_relationship
5. Event
6. Georeference
7. Identification
8. Location
9. Material_entity
10. Occurrence
11. Occurrence_evidence
12. Organism
13. Taxon
14. Taxon_identification



Eco-morphological traits (plants)

- Biological form (7 types)
- Corolla shape (17 types)
- Colour (8 colours)
- Distribution (ej. native or exotic)



Eco-morphological traits (bees)

- Sociality (2 types)
- Body size (3 type)
- Nesting (2 type)

Interaction types: Floral visitors; Pollinators; Nectar robber

