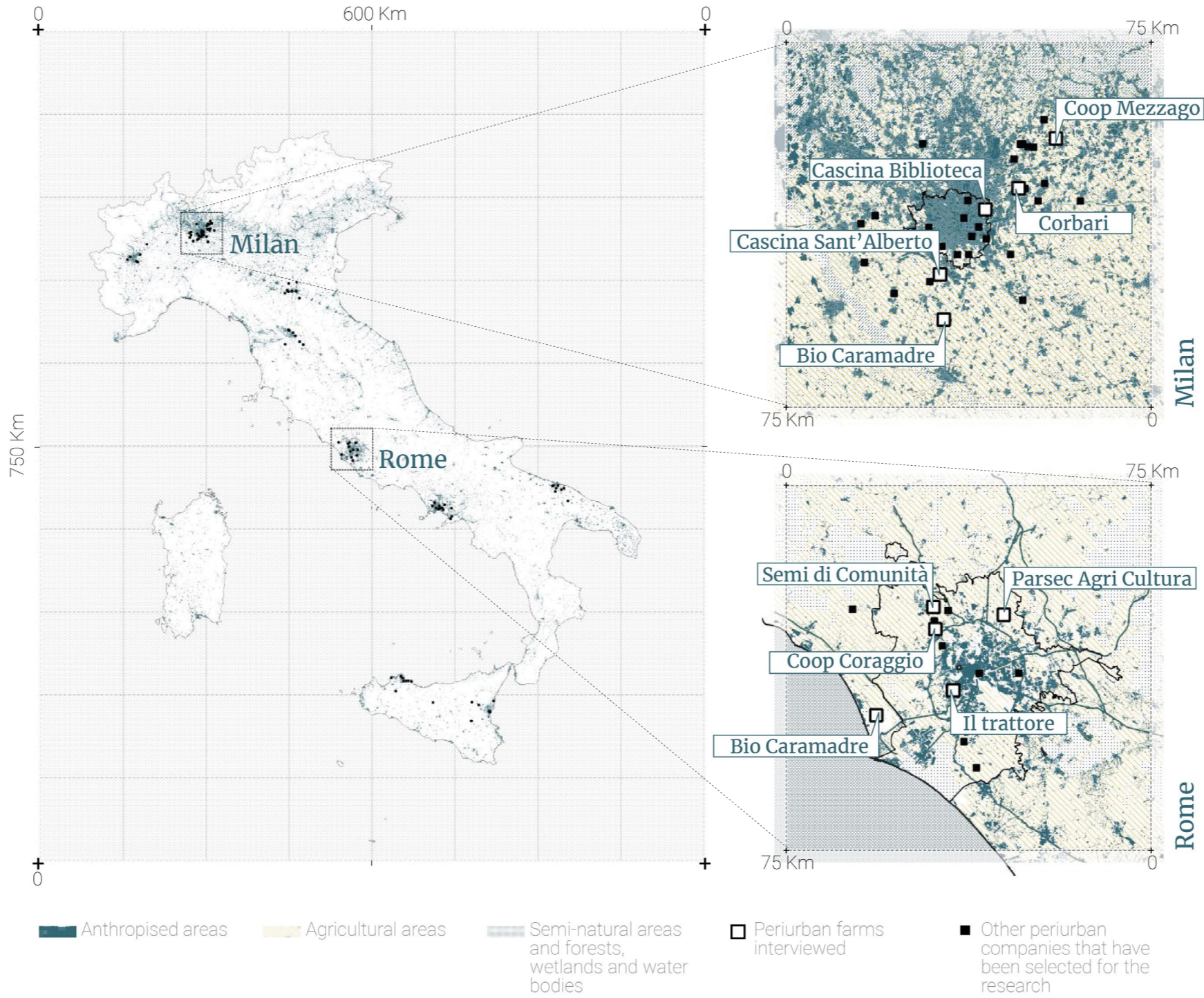
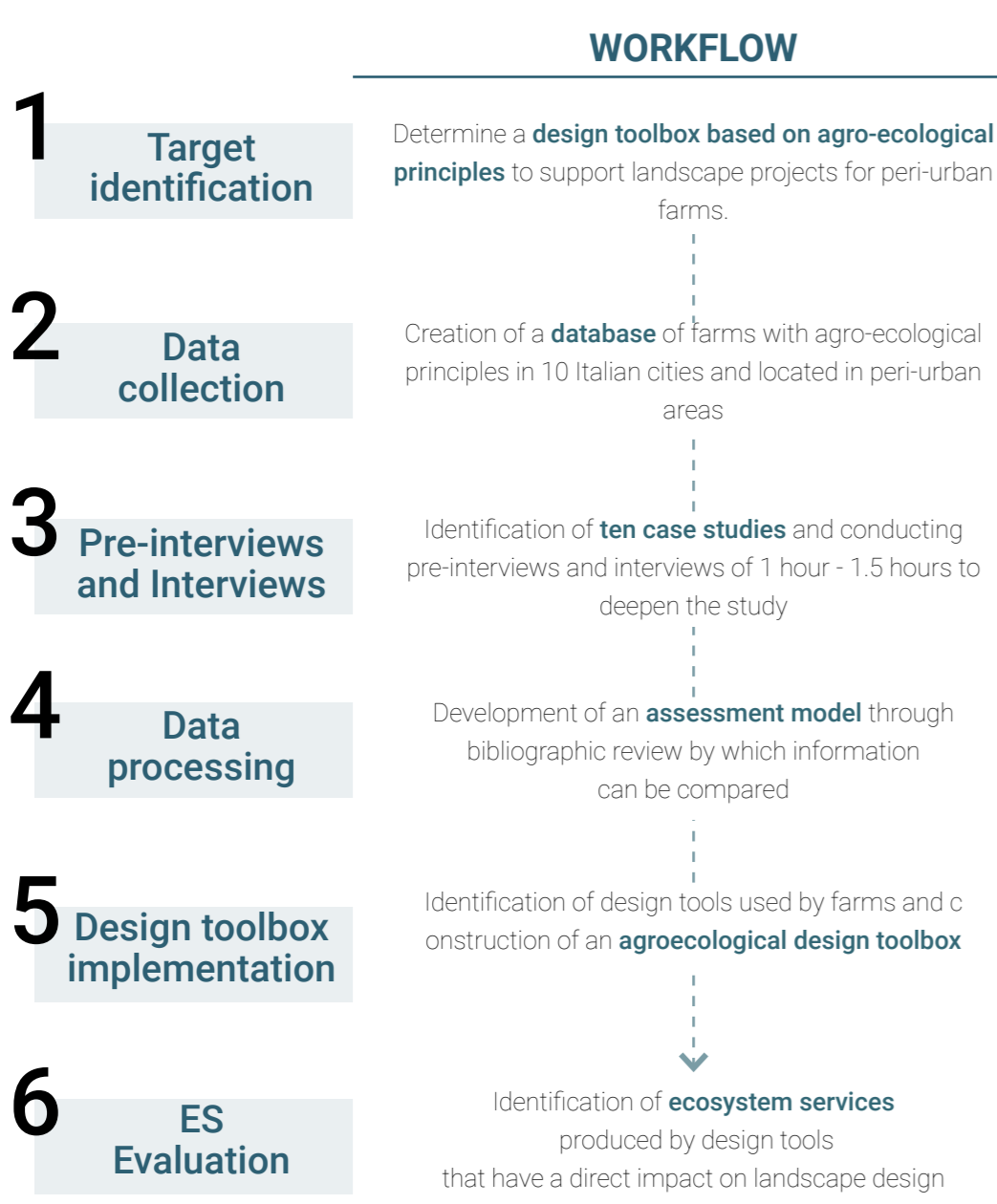
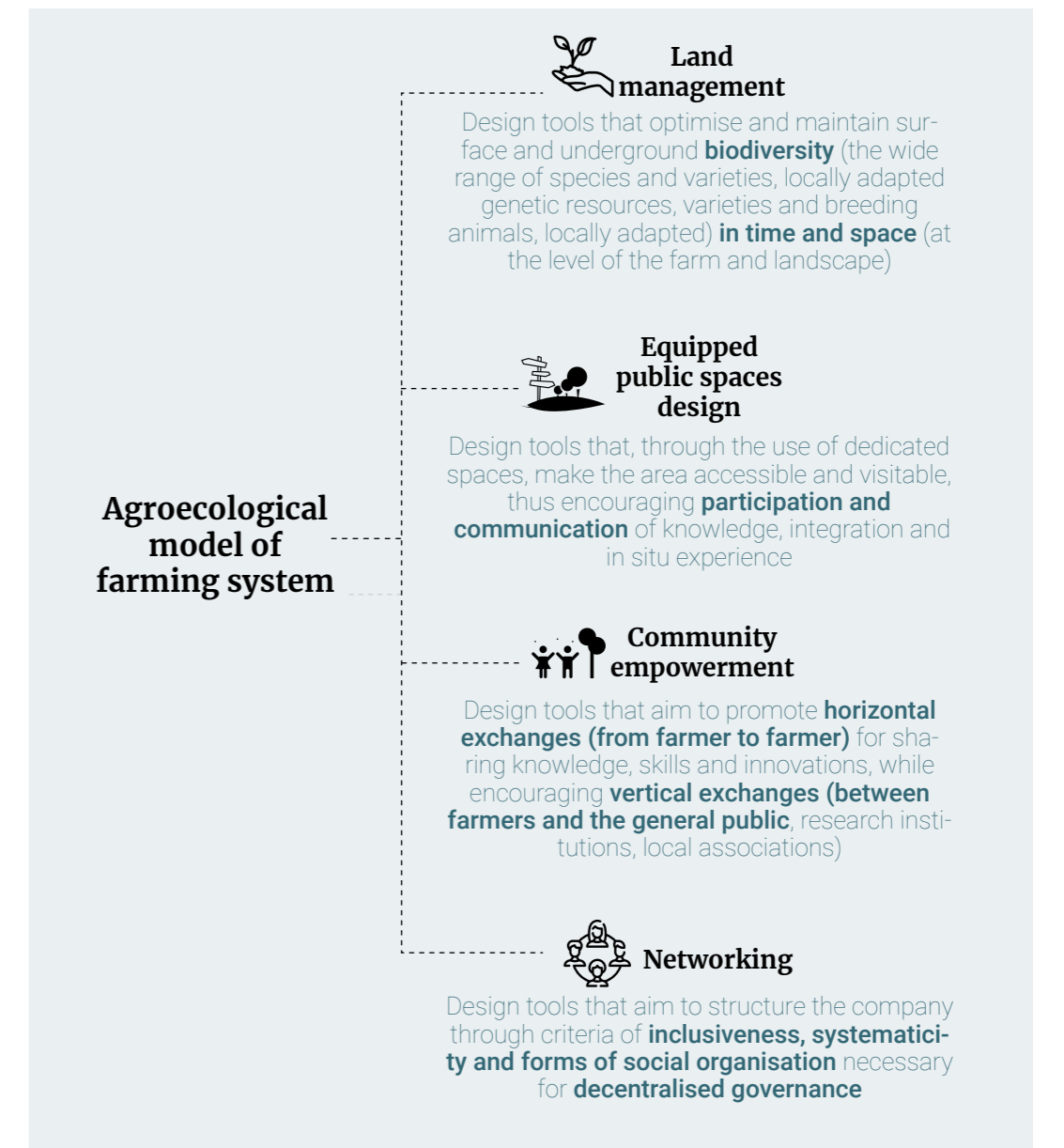


01 Learning agroecology from observing: a research on 10 case studies

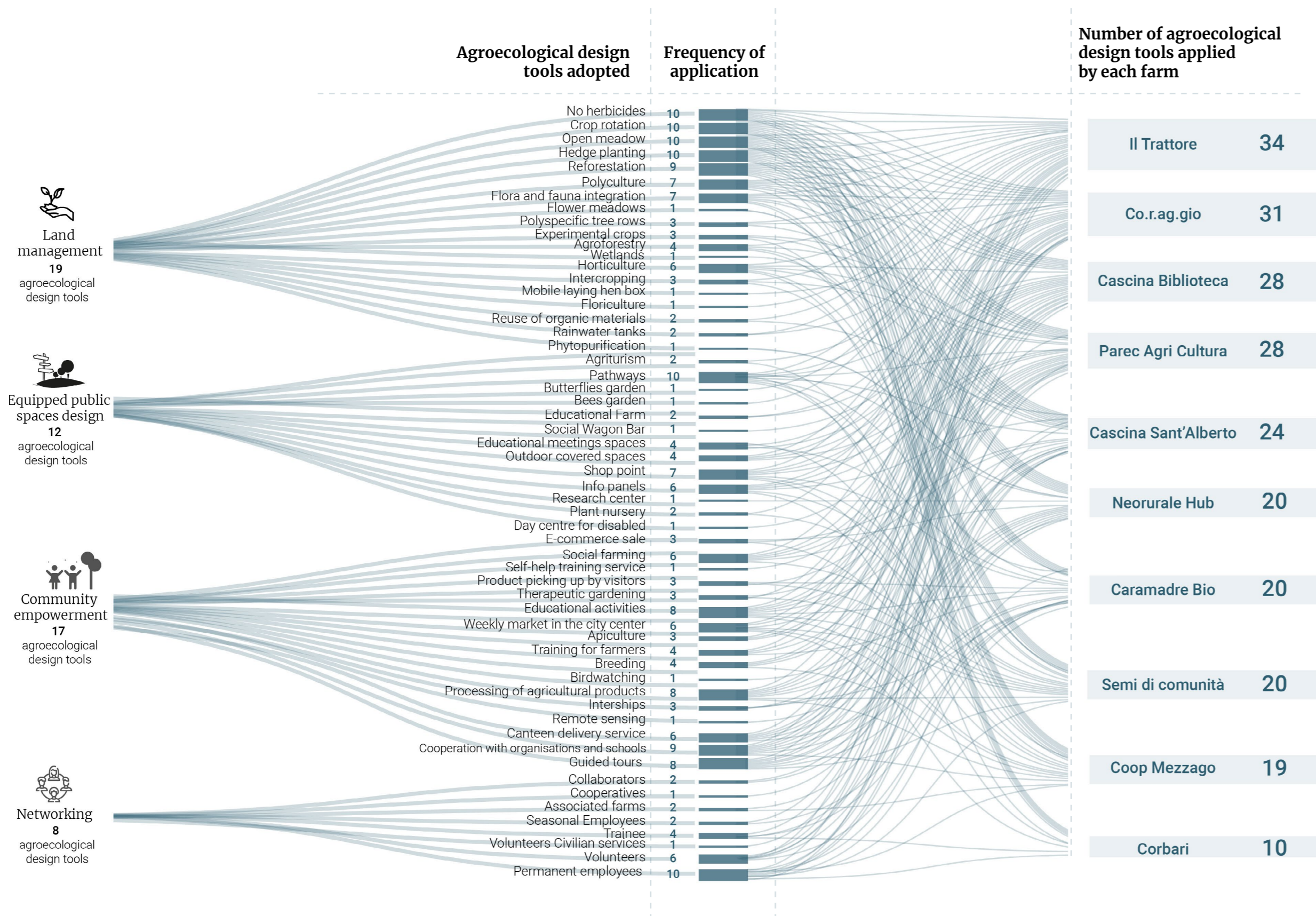
The thesis work stems from the observation of 10 case studies, 10 farms located in peri-urban territories in the metropolitan cities of Rome and Milan. The realities, observed with the support of an assessment model, are a source of knowledge and support for the development of a design toolbox based on agro-ecological principles that can support landscape design in the development of ecosystem benefits.



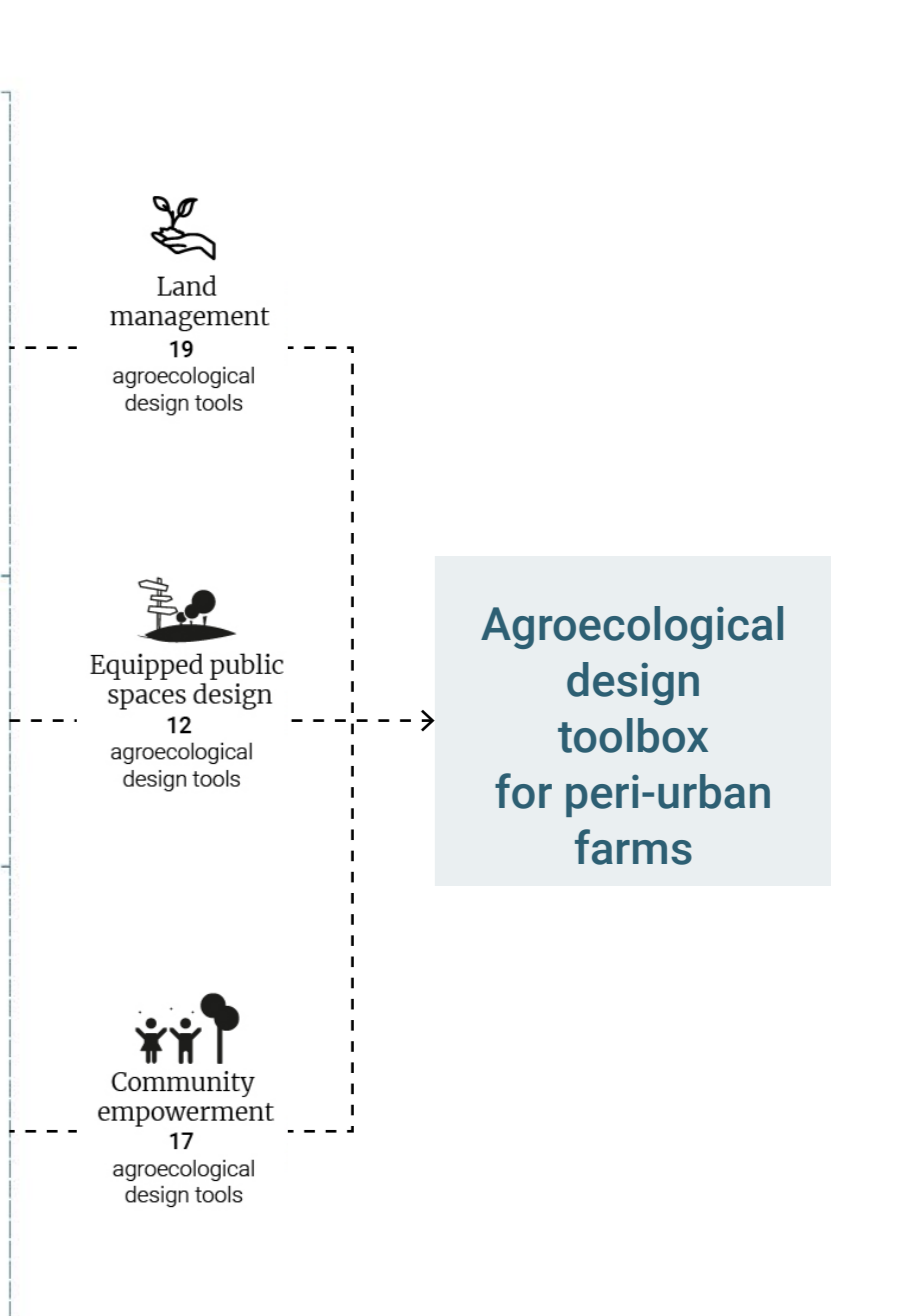
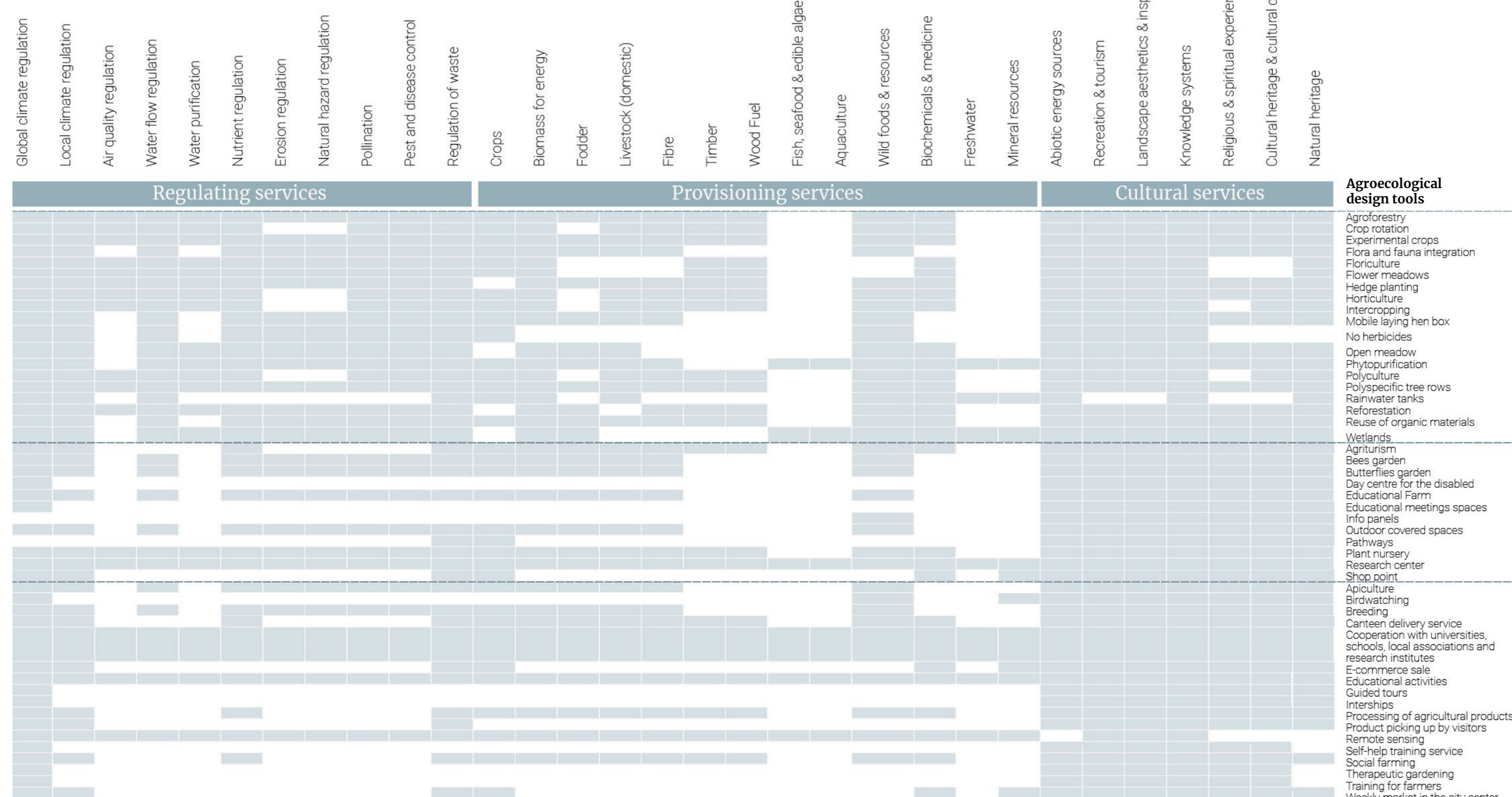
The ten case studies were analysed using a model implemented through the literature review. This made it possible to compare the results. The design tools have been categorised into 4 macro-categories respecting certain agroecological principles, as in the following diagram.



Data processing: the agroecological design tools in the 10 case studies



Ecosystems Services assessment



Main sources:
 For the implementation of the model and identification of agroecological design tools: CIDSE (2018). The Principles of Agroecology / Brym, Z.T., Reeve, J.R. (2016). Agroecological Principles from a Bibliographic Analysis of the Term Agroecology. In: Lichtfouse E. (eds) Sustainable Agriculture Reviews, vol 19. Springer, Cham
 For the methodology for assessing ecosystem services: Burkhard, B., Kandziora, M., Hou, Y., & Malter, F. (2014). Ecosystem service potentials, flows and demands-concepts for spatial localisation, indication and quantification. Landscape Online, 34, 132. doi:10.3097/lo.201434