



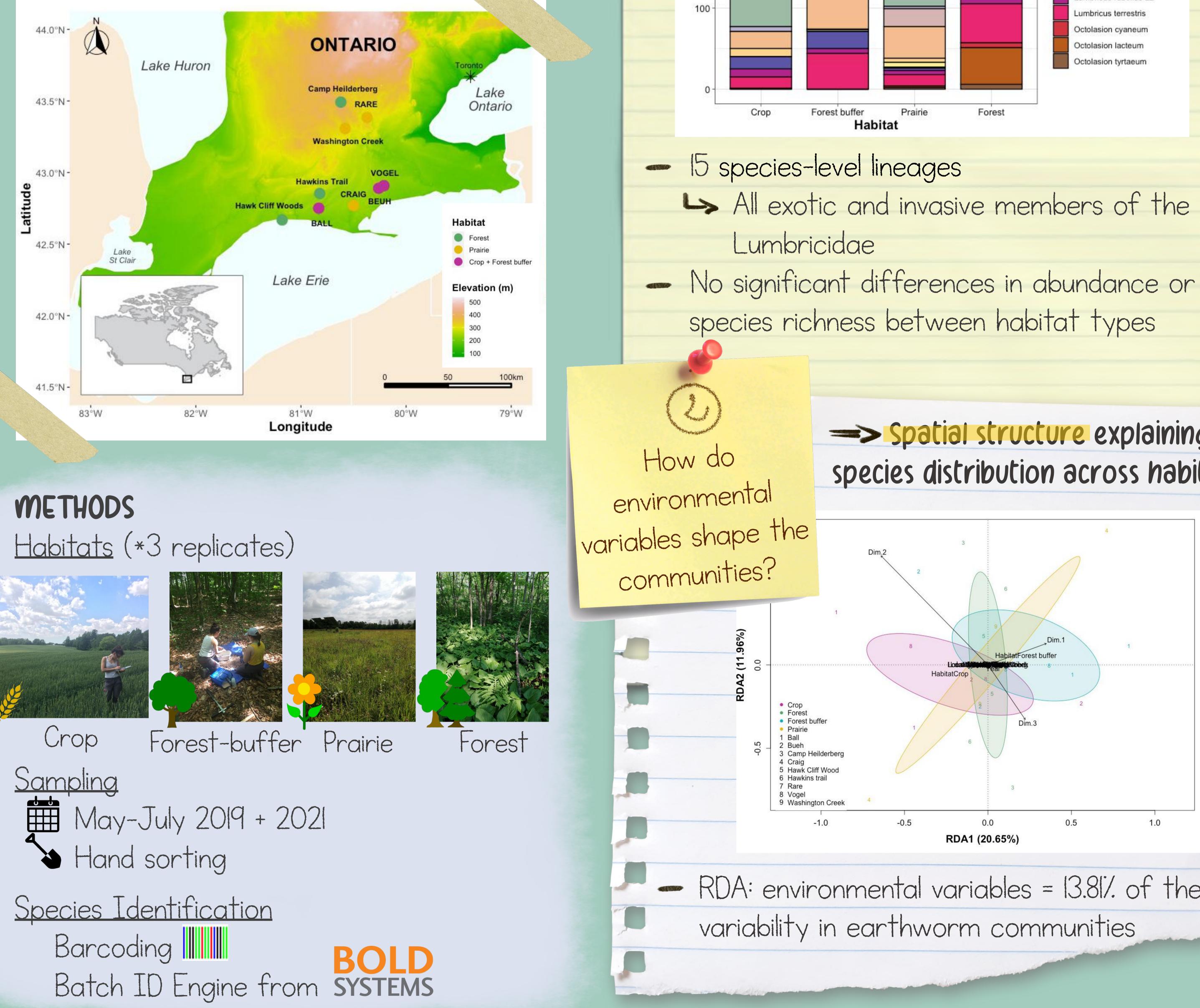
EARTHWORM COMMUNITY DIVERSITY ON A LAND-USE GRADIENT IN SOUTHERN ONTARIO

Marie-Eugénie Maggia^a (mmaggia@uoguelph.ca), Thibaud Decaëns^b, Karl Cottenie^a, Dirk Steinke^{a,c}

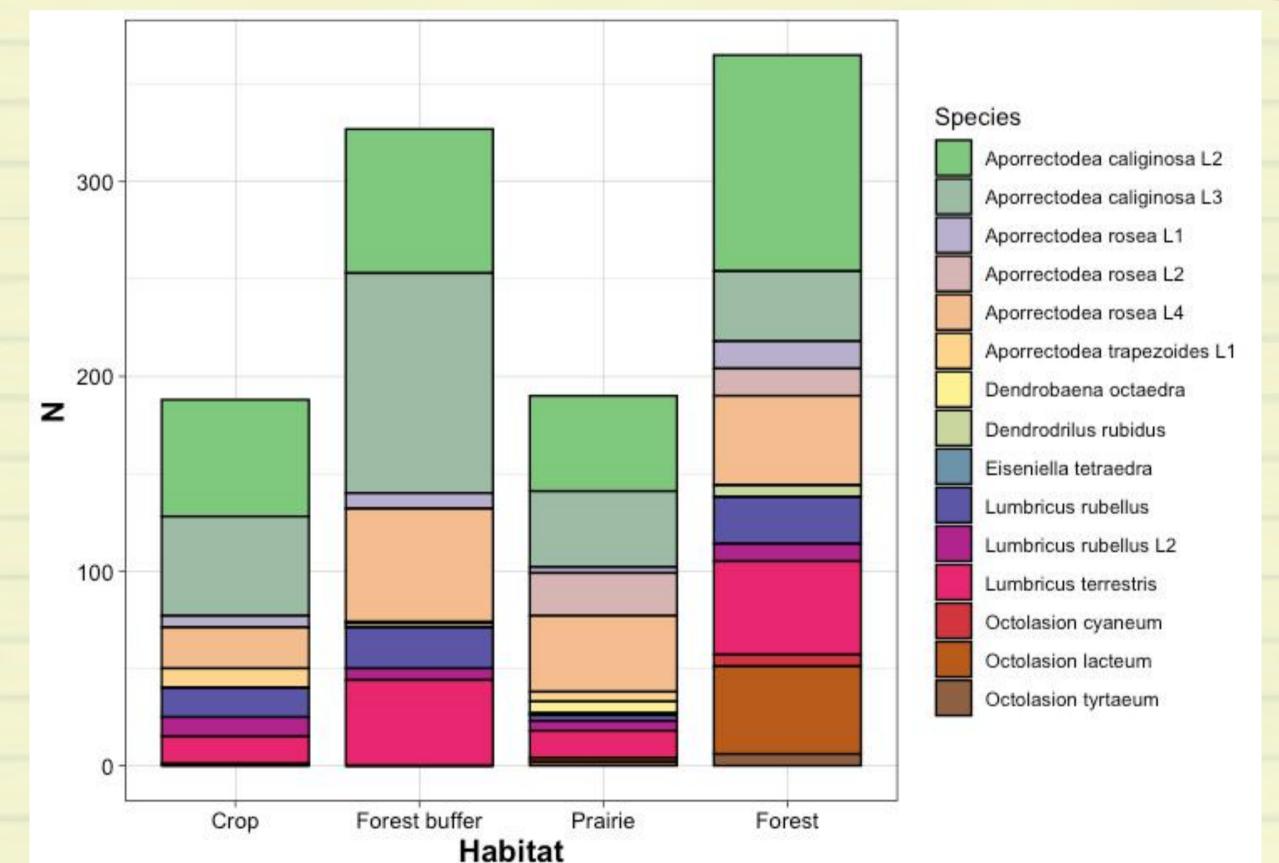
- ^a Department of Integrative Biology, University of Guelph, N1G2W1 Guelph, Canada
- ^b CEFE, Univ Montpellier, CNRS, EPHE, IRD, Montpellier, France
- ^c Centre for Biodiversity Genomics, University of Guelph, N1G2W1 Guelph, Canada

EARTHWORMS IN CANADA

- -> All native species presumed extinct after the last glaciation during the Pleistocene
- ->> Recent colonisation from European/Asian species in the late 1800's - early 1900's >30 species
- > Ontario = 21 species (2 are considered natives) -> Earthworms can have a negative impact, especially in forests



practices impact > Homogeneous earthworm community composition communities? between habitats



> Spatial structure explaining species distribution across habitats Dim.1

earthworms

