

URBAN ECO-EVO TOOLKIT

HOME

ABOUT

DECOLONIZING

COLLABORATIONS

TRAIT MAPPING

EXPERIMENTS

COMMUNICATION & OUTREACH

MORE...

EXPERIMENTS

Conducting Cross-City Collaborative Experiments

"In the following toolkit, we identify online initiatives, networks, databases, and strategies for cross-city experiments to create an inclusive environment where all scientists feel they can contribute to research."

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Research Initiatives and Networks (data also available)

"...Networks such as the UrbBioNet and Nutrient Network have emerged with foci on standardizing data collection, ethical behavior, and research questions, and that openly invite people to join from anywhere globally to share data and publish collaboratively (Aronson et al. 2017; Hautier et al. 2015)"

iEcology

Nutrient Network

Global Urban Evolution Program

Open Traits Network

SPI-Birds

United Nations Urban Shift

Urban Eco Evo Network

Urban Research Network

UrbBioNet

International Funding Opportunities

Belmont Forum

Global Challenges Research Fund

Urban Studies Foundation

US Global Change Research Network

Raw Data Depositories

"Raw data repositories such as Dryad and DataOne are more than simply data storage, but instead include methods, samples and analyses, which provide curated and standardized metadata for larger pattern analyses."

Refer to appropriate toolkits

Dryad

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[Global Biodiversity Information Facility](#)
[iDigBio](#)
[International Barcode Database](#)
[Zenodo](#)

Remote Sensing and Mapping Databases

"With the advent of remote-sensing technologies, there are also many online sites that make available high resolution mapping data on light and air pollution, land cover and ecosystem characteristics, surface temperature data, and imperviousness, just to name a few, which enable comparative analyses between urban and non-urban areas across the globe in association with biotic or abiotic factors (Zhao et al. 2022)"

[US Land use and land cover maps](#)
[European Land use maps](#)
[Global Urban Footprint dataset](#)
[Urban thermal environment data](#)
[Urban air pollution](#)
[Urban light pollution](#)
[Urban Habitat, Urban Indicators Datasets](#)
[Imperviousness cover data](#)

Data Standardization and Manipulation Resources

[Biodiversity Data Cleaning](#)
[CoordinateCleaner](#)
[Github](#)
[GloBI](#)
[TaxCI](#)

[iNaturalist](#)

[eBird](#)

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