

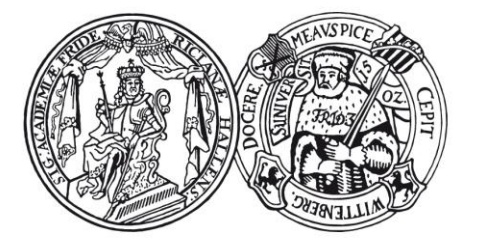
sPlot 4.0: towards a truly global database for understanding vegetation spatiotemporal changes



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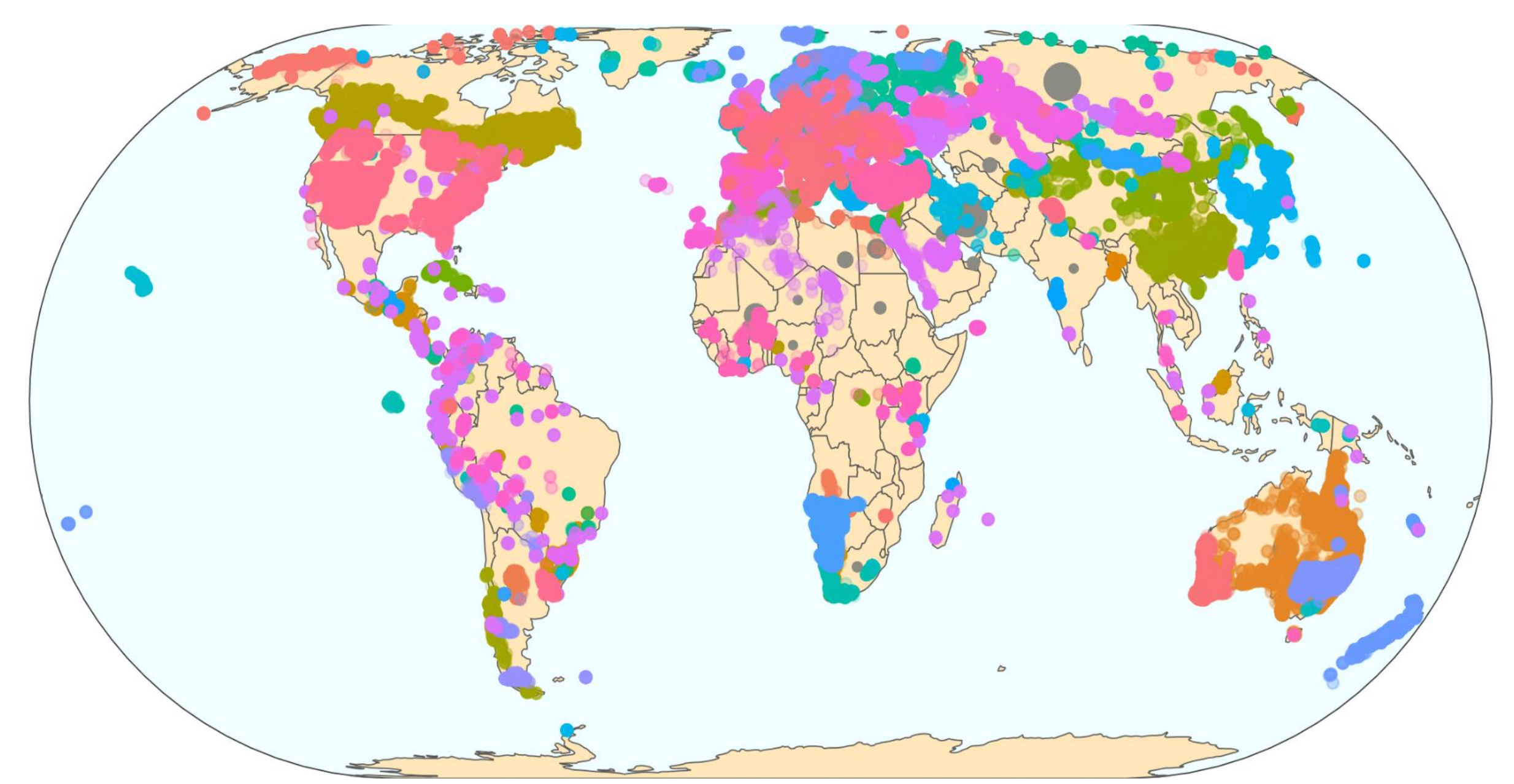
sPlot: a strategic project of iDiv

- Collaborative global database of vegetation plots
- Created to unravel plant trait-environment relationships
- Aimed to understand global patterns in plant diversity across facets, biomes and scales



sPlot 4.0 in numbers

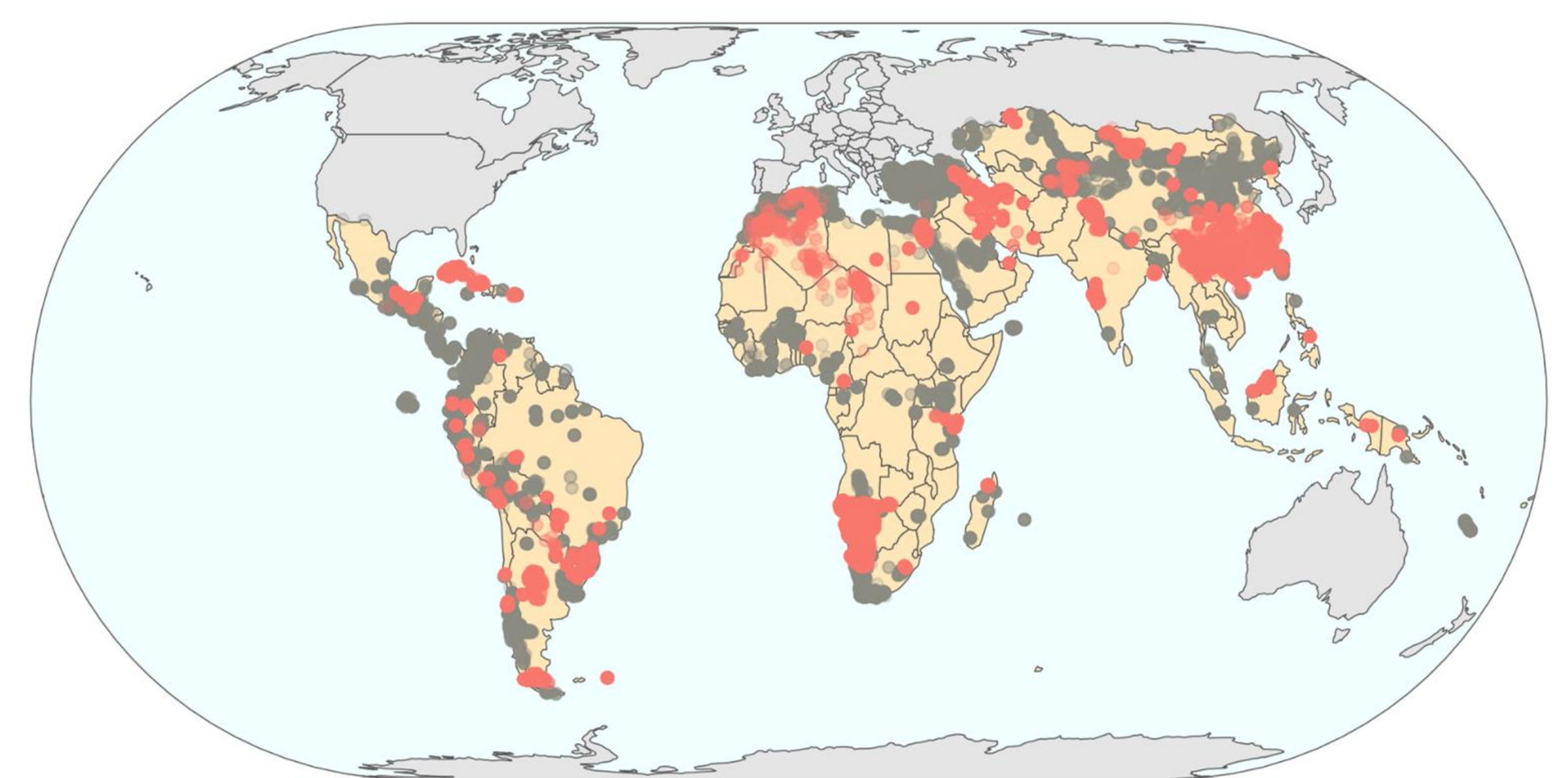
- 383 members (111 new, 40% increase)
- 301 datasets (113 new, 60% increase)
- 2.5 mi vegetation surveys (0.6 mi new, 32% increase)
- 53 mi species observations (9 mi new, 18% increase)
- 518 ecoregions (62 new, 13% increase)



Geographical distribution of plots across the globe. Colors represent distinct datasets.

Expansion in underrepresented areas

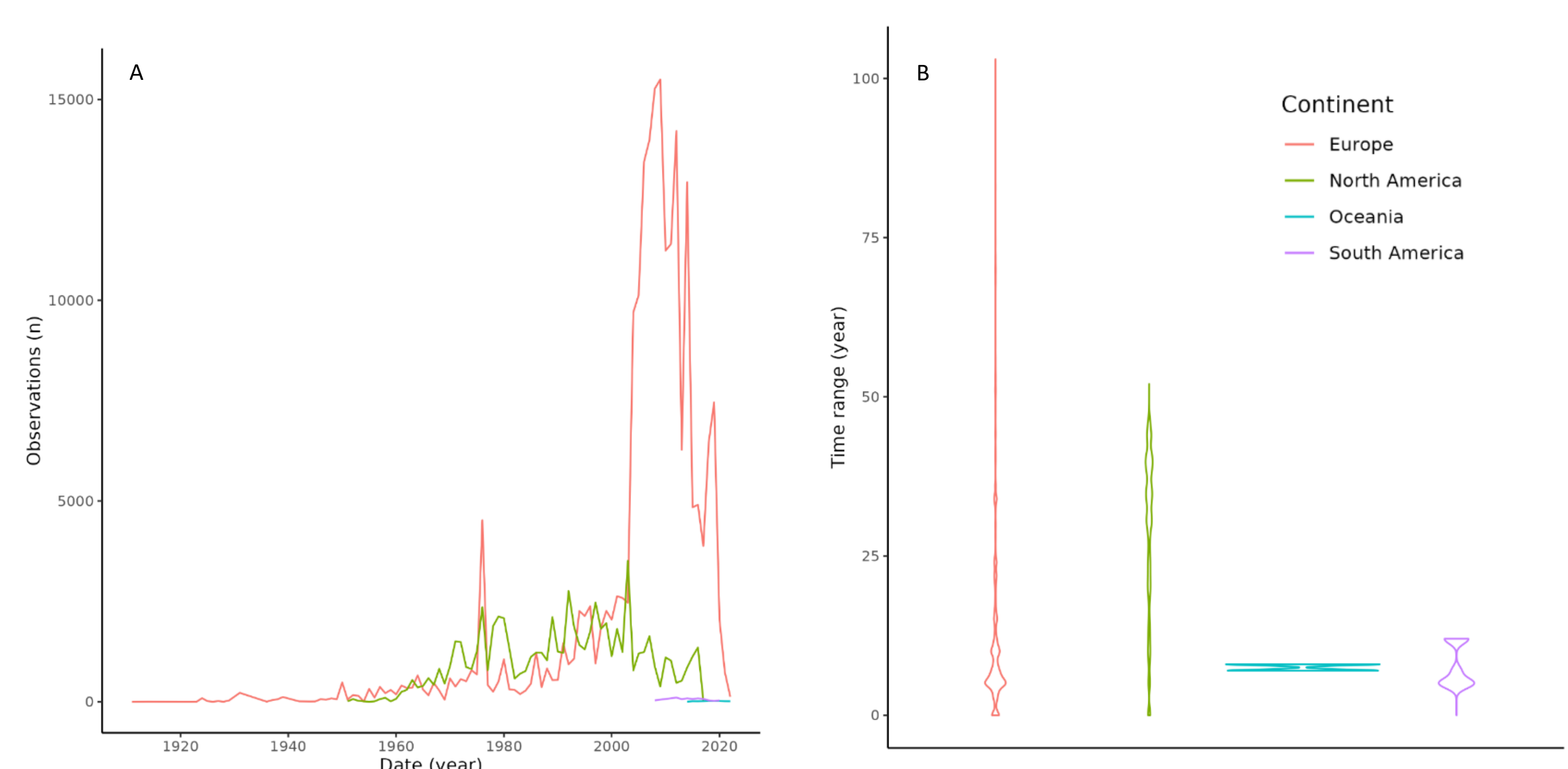
- 38 new datasets (47% increase)
- 46,538 new plots (41% increase)
- 26 new contributors (113% increase)
- 9 new countries (11% increase)
- 4 new aggregators (GLORIA, GLOBALP, GrassPlot & Iran)



Newly added plots (in red) that were sampled in underrepresented areas.

Time-series

- 85 datasets (79 EU, 3 SA, 2 NA, 1 OC)
- 90,214 longitudinal studies
- 286,099 vegetation surveys
- 31% shorter than five years
- Four time-series > 100 years (max. 103)
- 25 plots surveyed > 100 times (max. 252)



A) Number of observations in longitudinal time-series across time; and B) the temporal range of time series present in sPlot 4.0 by continents.

