

Japan Biodiversity Mapping Project



In order to assist the nation better biodiversity conservations and sustainable use of ecosystem services, we strongly believe it is indispensable to broadly share the knowledge of biodiversity including species geography, phylogeny, functional traits, and such, for as many kinds of organisms as possible.

The "Biodiversity Big Data" must be accessible to every stakeholder as a fundamental infrastructure which informs priority areas for conservations and resource uses ----- this is the primary incentive for developing the J-BMP web system. For decades, massive knowledges of natural histories have been accumulated through research activities and environment assessments individually run by researchers, local governments, environmental assessment companies and citizen scientists. We have been spending time to compile thoroughly an immense volume of data in various formats, and visualized biodiversity patterns at 1 km² spatial resolution across Japan. It is unquestionably an unprecedented attempt to freely provide biodiversity information as a web service in terms of the amount and quality of data as well as the analytical techniques. In the system, not just species richness patterns, but also a number of properties of biodiversity are publicly accessible including spatial conservation priorities, which aim to minimize extinction risks among entire biological communities across Japan, and biological and socio-economical risks as well as ecosystems services. Now, we are willing to further improve and update the system.

For more stories, visit our blog...



We are happy to hear from those who may be interested in using the database by collaborating with our group.

