

An Introduction to LOD for Biodiversity

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In this talk, I introduce Linked Open Data (LOD) which is the emergent technology to publish and share data on the web, and our activities on publishing and sharing data related to on biodiversity. LOD, so-called “Web of Data”, is the application of Semantic Web to data publishing. By publishing data as LOD, data is easy shareable and linkable so that the global data space is easily formed. I explain the core technologies such as RDF and the database for RDF. Then I show our effort for LOD called LODAC Project. LODAC (LOD for Academia) is the deployment of LOD technology for academic data resources mainly in Japan. We are currently working on LOD for museums and LOD for species information. The latter, LODAC Species, is intended to be a hub for species information. It contains variety of taxon names (scientific and common names) linked together and the links from them to those in various data resources such as EOL and NCBI.