

## **Open Biodiversity Data using GBIF protocol - A case study on Ecological Research Data Paper**

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There are several sleeping biodiversity data sets in Japan. Publishing data paper is one of the solutions to publish such sleeping data sets. Ecological Research, an international journal published by Ecological Society of Japan started to accept the data paper since 2011 to promote such sleeping ecological data open. However, the number of data papers published in Ecological Research were just six in total until current issue. This number is less than expectation. I consider one of the important reason why such few number of data paper have yet published is that there is no exemplarity cases to represent the protocol of data paper, such as data format and description of data. In this talk I would like to show the case study on publishing data paper in Ecological Research using Global Biodiversity Information Facility (GBIF) protocol. I wrote data paper using Integrated Publication Toolkit 2 (IPT2) developed by GBIF, a software to manage several types of biodiversity data set on ecological data in specific observation records of plant species which have already been published as original research article in Japanese Journal of Conservation Ecology. I submitted the data paper to Ecological Research and was accepted successfully. After that, I published some tutorial papers to inform this protocol for ecologists in Japan. Based on my experiences, I would like to discuss future perspective to promote biodiversity information data publication in Japan and Asian regions.

Takeshi Osawa (2013) Monitoring records of plant species in the Hakone region of Fuji-Hakone-Izu National Park, Japan, 2001-2010, Ecological Research28: 541.