

Korean Biodiversity Information Facility: biological diversity information flow in worldwide, its activity and the role to GBIF

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The Global Biodiversity Information Facility (GBIF) is an international scientific co-operative project based on a multilateral agreement (MoU) between 104 Participants among countries and international organizations. GBIF has the goal of making the world's primary biodiversity data freely available via the Internet. Currently GBIF provides access to nearly 405 million data records from natural history collections, herbaria, living stock collections and observational databases from all around museums, university institutes, and research organizations. These data are owned and registered to GBIF Data Portal by around 493 data publishers with 10 thousand datasets from around the world. Each Participant agrees to set up a Participant Node to organize data providers within its geographical or intellectual borders and to act as a locus for serving and accessing data from the GBIF data portal. The Korean national node, KBIF, does actively participate and communicate through GBIF global network, and as of July 2013 contributing the data case of nearly 1.7 million records which devoted by 26 data providers, from the national biodiversity institution consortium (NBIC) that comprises 44 biodiversity research organization bodies within nation. Fast and stable data access to this portal service should be assured to researcher, policy-maker, and general public in global, therefore, GBIF established Data Portal mirror sites on 3 continents; at NBII in US, BGBM in Germany and in Korea. Korean GBIF Node hosting the Asian mirror site and securing the system with performing seamless data service all around the world. GBIF Data Portal has providing access to the types of data: Taxonomic names, Specimens, Observations and Georeferenced data with exploring Species, Countries and Datasets.

KISTI, with its KBIF facility, is undertaking the whole range of national support services for GBIF including ICT training, information dissemination, data portal development and running KDR the national data repository. In this short communication, the mission, major activities, the role, the operation of data nodes and major achievements of the KBIF will be delivered and discussed.