

Data Collection, Management and Provision Concerning Biodiversity Information and Protected Areas

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Biodiversity Center of Japan (BiodiC-J) is an organization of Ministry of the Environment which manages data widely about biodiversity. It conducts National Survey on Natural Environment (NSNE), Monitoring Sites 1000 Project (MS1000) and other surveys as well as Japan Integrated Biodiversity Information System (J-IBIS) in order to provide with basic data to public.

NSNE is the nationwide survey on natural environment targeting on plants, animals, land topography and geology, lakes, marsh, rivers, coastal areas etc. launched in 1973. Vegetation maps are the most useful outputs of NSNE.

MS1000 is a long-term continuous project which monitors various types of ecosystems on approximately 1000 sites over the nation targeting on alpine zones, forest/grasslands, Satoyamas, lakes, mires/marshes, coastal areas, coral reefs and small islets. It contributes to promote projects concerning national parks and protected areas such as nature restoration, control of alien species and evaluation of the areas.

Bird Banding Survey has been conducted to clarify ecology and behaviors of wild birds since 1924. Mark-and-recapture is the basic method that is attaching a leg ring to captured wild birds and releasing them.

Annual Census on Waterfowl (Anatidae) Population has been carried out in mid-January every year since 1970.

Great East Japan Earthquake occurred on 11 March 2011 has brought drastic change to natural environment of Tsunami stricken area. BiodiC-J conducted surveys on vegetation before and after the disaster, coastline's two-dimensional survey, continuous settled site surveys on seaweed beds, tidal flats and surveys on other targets to evaluate the change on biodiversity.

Results of NSNE, MS1000 and other surveys are provided in documents and GIS data by J-IBIS. It enables users to search information and analyze status of biodiversity in particular area.

Ikimono Log is the web system which BiodiC-J launched recently to stores and provides with data of NSNE and MS1000 as well as prefectural governments, research institutes, experts and

citizens possess. It is expected to make rapid progress in utilization of these data.

Results of surveys and monitoring conducted by BiodiC-J are expected to be used as basic data to accelerate biodiversity conservation policies.