

The 1st Seminar of GIS Center for Environment and Disaster Mitigation (GISEDMD), Niigata University

Organizer : GISEDMD, Niigata University

Collaborative organizers : Department of Environment Science, Faculty of Science, Niigata University, International Academic Support Office (IASO), Niigata GIS Association, Hokuriku Branch of GIS Association of Japan

Date: May 24th, 2007, P.M 4:30-6:00

Place: The 2nd Floor, Large Meeting Room, Institute of Science and Technology, Niigata University

Lecturer : Hiroto Shimazaki (NATIONAL INSTITUTION for ENVIRONMENTAL STUDIES (NIES) · Post Doc Fellow)

Title : An application of spatial information technology to the bird migration and habitat use studies

From Wikipedia

In recent years, long-distance migratory birds are decreasing in population size mainly due to habitat loss and degradation in the breeding, wintering and stopover sites. To design effective conservation measures of them, identification of their migration patterns over a broad spatial scale is of importance in addition to intensive researches at each site. Recent advances in the information technology based on the satellite systems have allowed us to effectively obtain data for inferring migration patterns of individual birds. The speaker will provide an overview of such information technologies including satellite tracking and remote sensing, then present a case study to discuss the feasibility and effectiveness of the use of them with GIS for the bird migration and habitat use studies.

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