

Impact of Climate Change and Landscape Alteration on Avian Migration: An Overview

Anggi Mardiyanto

Graduate School of Global Environmental Studies (GSGES), Kyoto University

Abstract

Migratory bird species have a complex life cycle. During the migration, they encountered several obstacles in their route. Such constraints are closely related to climate change and habitat destruction due to landscape alteration. Many studies and research have been conducted on the impact of climate change and habitat alteration on migrant birds. The impact can be seen clearly in some species of migratory birds. Migratory birds connect the ecosystems, people, and cultures in every region in their path. Maintaining the sustainability of migratory birds along with climate change and landscape alteration requires collaboration and action at the international scale, national scale, and local scale. Community-based migratory bird management is necessary among migratory flyway countries.

Keywords: Community-based migratory bird management; migratory bird; migratory flyway countries.