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USING EARTH OBSERVATION DATA TO IDENTIFY AND SUPPORT MIGRATION OF HABITATS
AND CLIMATE REFUGEE**Abstract**

The unpredictable movement of wildlife triggers several matters such as the modification of bio-ecosystem, occurrence of new diseases and food scarcity. The unexpected movement of wildlife is mostly associated with climate change and global temperature rising. This research focuses on environmentally sensitive area such as high latitude region, desert margin and near coast regions where simple ecosystem is situated. Furthermore, we also investigated into how changed bio-ecosystem leads to increasing climate refugees in those region where agriculture play a major role in local economy.

To Identify the affected area and habitats by temperature rising, the combination of Earth Observation (EO) data and Geographical Information Systems (GIS) is used. Satellite imagery offer detailed comparisons of how the environment have changed for the past three decades.