

EARTH OBSERVATION SYMPOSIUM (B1)  
International Cooperation in Earth Observation Missions (1)

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THE ROLE OF REMOTE SENSING IN UNDERSTANDING BIODIVERSITY CHANGE

**Abstract**

The many ways in which space-based remote sensing contributes to the monitoring and management of biodiversity are described. The range of remotely-sensed products which have become indispensable for this purpose include spectral imagery at both high and low spatial resolution, radar imagery and locational services. It could usefully include operational Lidar and hyperspectral instruments as well. There is an indirect dependence on a range of other instruments as well, including those contributing to the measurement and monitoring of climate change, ocean condition and human activities. The tighter integration of in situ and remotely-sensed observations is a key objective in this field.