

# Protected areas

Cornerstones of biodiversity conservation

## Goal 3.3: To develop, apply and transfer appropriate technologies for protected areas

**Target:** By 2010 the development, validation, and transfer of appropriate technologies and innovative approaches for the effective management of protected areas is substantially improved, taking into account decisions of the Conference of the Parties on technology transfer and cooperation.

### Suggested activities of the Parties

3.3.1 Document and make available to the Executive Secretary appropriate technologies for conservation and sustainable use of biological diversity of protected areas and management of protected areas.

3.3.2 Assess needs for relevant technologies for protected area management involving indigenous and local communities and stakeholders such as the, research institutions, non-Governmental organizations and the private sector.

3.3.3 Encourage development and use of appropriate technology, including technologies of indigenous and local communities with their participation, approval and involvement in accordance with Article 8(j) and Related Provisions, for habitat rehabilitation and restoration, resource mapping, biological inventory, and rapid assessment of biodiversity, monitoring, *in situ* and *ex situ* conservation, sustainable use, etc.

3.3.4 Promote an enabling environment for the transfer of technology in accordance with decision VII/29 of the Conference of Parties on technology transfer and cooperation to improve protected area management.

3.3.5 Increase technology transfer and cooperation to improve protected area management.

### Suggested supporting activities of the Executive Secretary

3.3.6 Compile and disseminate information provided by Parties and relevant international organizations on appropriate technologies and approaches for efficient management of protected areas and conservation and sustainable use of biological diversity of protected areas.

### Learn more about Goal 3.3:

#### Key activities include:

- Document and make available appropriate technologies
- Assess needs for relevant technologies for protected area management
- Encourage development and use of appropriate technology
- Promote an enabling environment for the transfer of technology
- Increase technology transfer and cooperation

#### What is appropriate technology for protected areas?

Appropriate technology is any technology used for planning, managing and assessing protected areas that has a low impact on the environment, is easy to obtain, use, and service, and provide reliable and consistent results. An example of appropriate technology for protected areas is using hot air balloons to rapidly assess the impacts of grazing,

#### What is an enabling environment for the transfer of technology?

An enabling environment for the transfer of appropriate technology means that there are mechanisms in place between protected areas within a country, and also between protected areas across countries, to

identify and share appropriate technologies, to share their use and limitations, and to share lessons learned from their applications. Such mechanisms could include partnerships between GIS companies and protected area agencies, national research referendums using appropriate technologies, awards programs for creative use of appropriate technologies, and an internet interface that promotes sharing of lessons learned within and across protected area systems.

### **What are some key documents that can help in the implementation of Goal 3.3?**

Resources for development, validation, and transfer of appropriate technologies and innovative approaches for the effective management of protected areas can be found at:

<http://www.cbd.int/protected/tools/>