

## Research needs expressed in the Decisions of the Conference of the Parties to the Convention on Biological Diversity: Cross-Cutting Issue: Ecosystem Restoration

The well-being of the world population in the coming decades will in large part depend on conservation and restoration of ecosystems to maintain and enhance biodiversity and ecosystem services, thereby contributing to sustainable development while reducing environment-related risks (<http://www.cbd.int/restoration/>)

The cited Decisions that express research needs are XI/16, XII/19 and XIII/5, also checked were X/4, X/9 and X/17.

### Direct research needs

Decision	Paragraph	Chapeau / Heading	Text	Source <a href="http://www.cbd.int/decisions/">http://www.cbd.int/decisions/</a>
XI/16	Para 1	The Conference of the Parties	<p><i>Urges Parties and encourages</i> other Governments and relevant organizations to make concerted efforts to achieve Aichi Biodiversity Targets 14 and 15 and targets 4 and 8 of the Global Strategy for Plant Conservation, and to contribute to the achievement of all the other Aichi Biodiversity Targets through <b>ecosystem restoration</b> through a range of activities depending on national circumstances, including:</p> <p>b) <b>Identifying, analysing and addressing both underlying and direct causes of ecosystem degradation or fragmentation</b> and using the knowledge gained to prevent or reduce activities which cause further degradation, deterioration or destruction;</p> <p>c) <b>Identifying degraded ecosystems that have the potential for ecosystem restoration</b></p> <p>h) Identifying opportunities to <b>link poverty eradication and ecosystem restoration</b>, <i>inter alia</i> through the rehabilitation or restoration of ecosystems that provide services upon which women, indigenous and local communities, and the poor and vulnerable are directly dependent, and the development of restoration projects that provide employment and skills improvement;</p>	<a href="http://www.cbd.int/decisions/cop/default.shtml?id=13177">cop/default.shtml?id=13177</a>
XIII/5	Annex Para 13		<p>The following actions may be considered, and, as appropriate, taken:</p> <p>1. <b>Assess the extent, type, degree and location of degraded</b></p>	<a href="http://www.cbd.int/decisions/cop/?m=cop-13">decisions/cop/?m=cop-13</a>

			<p><b>ecosystems</b> at regional, national, and local scales as well as the drivers of ecosystem degradation;</p> <p><b>2. Identify and prioritize geographical areas</b> where restoration would contribute most significantly to achieving national level targets contributing to the Aichi Biodiversity Targets (such as priority areas for the conservation of biodiversity areas that provide essential ecosystem services, and areas that would enhance the integrity of protected areas and their integration into wider land- and seascapes).</p> <p><b>4. Assess the potential costs and multiple benefits of ecosystem restoration at relevant scales.</b></p> <p><b>5. Assess the relevant institutional, policy, and legal frameworks</b> and identify financial and technical resources, as well as gaps, for implementing ecosystem restoration. Analyse opportunities for innovative approaches to restoration, including financial ones.</p> <p><b>6. Identify options to reduce or eliminate the drivers of the loss of biodiversity and the degradation of ecosystems at various scales.</b></p>	
XIII/5	Annex Para 14		<p>The following actions may be considered, and undertaken as appropriate:</p> <p><b>7. Develop accounting processes</b> that take into account the values of natural, semi-natural, ecosystems, and of the functions and services they deliver.</p>	<a href="#">decisions/cop/?m=cop-13</a>
XIII/5	Annex Para 15		<p>The following actions may be considered, and undertaken as appropriate:</p> <p><b>1. Identify the most appropriate measures for conducting ecosystem restoration;</b></p> <p><b>2. Consider how ecosystem restoration activities can support the ecological and economic sustainability</b> of agriculture and other production activities, as well as climate change mitigation and adaptation, and disaster risk reduction, and enhance ecosystem services, including for urban areas.</p> <p><b>3. Develop ecosystem restoration plans with clear and measurable objectives and goals</b> for expected environmental, economic and social outcomes.</p>	<a href="#">decisions/cop/?m=cop-13</a>

XIII/5	Annex Para 16		The following actions may be considered, and undertaken as appropriate: 1. <b>Assess the efficacy and effects of implementing the ecosystem restoration plan</b> , including the success of ecosystem restoration activities and the environmental and socioeconomic costs and benefits.	<a href="http://www.cbd.int/decisions/cop/?m=cop-13">decisions/cop/?m=cop-13</a>
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#### Indirect research needs

Decision	Paragraph	Chapeau / Heading	Text	Source
XII/19	Para 4	The Conference of the Parties	<i>Invites</i> Parties and other Governments, intergovernmental organizations and other relevant organizations: d)... to <b>promote restoration activities, in particular large-scale restoration activities</b> , noting also the cumulative benefits of small-scale restoration activities that collectively can contribute to biodiversity conservation, climate-change adaptation and mitigation, and reducing desertification... g) to develop and strengthen monitoring of ecosystem degradation and restoration, with a view to supporting adaptive management;	<a href="http://www.cbd.int/decisions/doc/?meeting=cop-12">http://www.cbd.int/decisions/doc/?meeting=cop-12</a>