

## Research needs expressed in the Decisions of the Conference of the Parties to the Convention on Biological Diversity: Cross-Cutting Issue: Technology Transfer and Cooperation

Both access to and transfer of technology among contracting Parties are essential elements for attaining the objectives of the Convention. Contracting Parties undertake to provide and/or facilitate access for and transfer to other Contracting Parties of technologies that are relevant to the conservation and sustainable use of biological diversity or make use of genetic resources and do not cause significant damage to the environment (<http://www.cbd.int/tech-transfer/default.shtml>).

The cited Decisions that express research needs are VII/29, where the work programme is annexed, and IX/14, also checked were Decisions VIII/12, X/16 and XIV/25.

### Direct research needs

Decision	Paragraph	Chapeau / Heading	Text	Source <a href="http://www.cbd.int/decisions/">http://www.cbd.int/decisions/</a>
VII/29	Annex I Programme Element 1 Activity 1.3.1	Programme of work on technology transfer and technological and scientific cooperation.	<b>Collect information on technology needs assessment methodologies, analyse their applicability and adaptation needs for technologies</b> that are relevant to the conservation and sustainable use of biodiversity or make use of genetic resources and do not cause significant damage to the environment, and disseminate this information through the clearing-house mechanism or other means, as appropriate.	<a href="http://www.cbd.int/decisions/cop-07.shtml?m=COP-07&amp;id=7766">cop-07.shtml?m=COP-07&amp;id=7766</a>
VII/29	Annex I Programme Element 3 Activity 3.1.1		<b>Preparation of technical studies that further explore and analyse the role of intellectual property rights in technology transfer</b> in the context of the Convention on Biological Diversity and identify potential options to increase synergy and overcome barriers to technology transfer and cooperation, consistent with paragraph 44 of the Johannesburg Plan of Implementation.	
VII/29	Annex I Programme Element 3 Activity 3.2.9		<b>Encouragement of scientific and technical research</b> , including joint research programmes with associated jointly held patents or other protection of intellectual property rights as well as other mechanisms to facilitate transfer of technologies that make use of genetic resources and do not cause significant damage to the environment.	
VII/29	Annex I		<b>Assessment of capacity-building needs and opportunities for the</b>	

	Programme Element 4 Activity 4.2.1		<b>development or strengthening and effective operation of national information systems</b> for technology transfer and technology cooperation, including risk analysis and impact assessment.	
IX/14	Para 11	The Conference of the Parties	<i>invites</i> relevant international organizations and initiatives, research institutions at all levels, and non-governmental organizations, to <b>undertake further research on the role of intellectual property rights in technology transfer</b> in the context of the Convention, such as: More <b>in-depth analysis of new open-source-based modes of innovation</b> , as well as other additional options to intellectual property rights; More empirical studies <b>on the extent of use of patent data</b> information in research and development in different sectors; Further empirical <b>analysis on the scope and extent of patent clustering on technologies and other associated biological materials</b> that are necessary inputs to desired technology development processes and on how prospective technology users in developing countries cope with patent clustering; Further examination by relevant international organizations of <b>the overall trends in the application of the flexibilities provided by the Agreement on Trade-related Aspects of Intellectual Property Rights (TRIPs)</b> ;	<a href="http://www.cbd.int/decisions/cop/?id=11657">cop/?id=11657</a>

#### Indirect research needs

Decision	Paragraph	Chapeau / Heading	Text	Source
VII/29	Para 10	The Conference of the Parties	<i>Urges</i> Parties, Governments and relevant organizations to <b>identify further areas in which international or regional cooperative initiatives</b> - such as the proposed cooperative initiative on marine alien species - <b>would support implementation of the Convention.</b>	<a href="http://www.cbd.int/decisions/cop-07.shtml?m=COP-07&amp;id=7766">http://www.cbd.int/decisions/cop-07.shtml?m=COP-07&amp;id=7766</a>
VII/29	Annex I Programme Element 1 Activity 1.1.1	Programme of work on technology transfer and technological	<b>Preparation</b> , in accordance with the activities foreseen in the thematic and cross-cutting work programmes under the Convention and in line with national priorities, <b>of technology assessments addressing: Technology needs, opportunities and barriers in relevant sectors; Related needs in the building of capacity.</b>	

VII/29	Annex I Programme Element 1 Activity 1.1.2	and scientific cooperation.	<b>Preparation</b> , as appropriate, <b>of transparent impact assessments and risk analysis</b> of the potential benefits, risks and associated costs with the introduction of technologies, including new technologies, whose risks and benefits are not yet determined.
VII/29	Annex I Programme Element 2 Activity 2.1.2		<b>Development of proposals to enhance the clearing-house mechanism</b> , including its national nodes, particularly those in developing countries, as a key mechanism for exchange of information on technologies and as a core element in its role to promote and facilitate scientific and technical cooperation, for facilitating and promoting technology transfer and cooperation and for the promotion of technical and scientific cooperation relevant for the conservation and sustainable use of biodiversity or make use of genetic resources and do not cause significant damage to the environment.
VII/29	Annex I Programme Element 2 Activity 2.1.3		<b>Development of advice and guidance</b> on the use of new information exchange formats, protocols and standards to enable interoperability among relevant existing systems of national and international information exchange, including technology and patent databases.
VII/29	Annex I Programme Element 2 Activity 2.4.1		Initiate and <b>conduct consultations</b> among relevant organizations, indigenous and local communities and all relevant stakeholders <b>with a view to identifying options to further regional and international cooperation</b> in the development or improvement of information systems on technology transfer and technology cooperation.
VII/29	Annex I Programme Element 3 Activity 3.2.3		As appropriate, <b>review</b> , in collaboration with indigenous and local communities and all relevant stakeholders, <b>existing policies and programmes and identify possible impediments to the transfer of technology</b> of relevance for the Convention on Biological Diversity, capacity-building needs and priority areas for policy action. The study should also identify the necessary steps, if any, to improve accordingly national biodiversity strategy and action plans, national research and technology strategies and other policy planning tools.