

#### IV. PROTECTING AND MANAGING THE NATURAL RESOURCE BASE OF ECONOMIC AND SOCIAL DEVELOPMENT

##### Desertification

Action items in the Plan of Implementation (A/CONF.199/20, Resolution 2)		Relevant space applications	Space-related initiatives and programmes that could support the implementation of the action		Web-site(s) for further information
Para.	Action item		Agencies / institution(s) involved	Initiatives/Programmes	
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41(a)	Mobilize adequate and predictable financial resources, transfer of technologies and capacity-building at all levels	EO satellites for monitoring desertification	SPOT Image	SPOT satellite vegetation instrument	
			ASI – CNES – INTA - SNSB	ORFEO project	
			ASI	COSMO-SkyMed Programme for ecological monitoring. The Programme is to start operating in 2007 and reach full capacity in 2008.	
			SUPARCO	Monitoring desertification using RS data	
			WMO	Technical Cooperation Programme	<a href="http://www.wmo.ch/web/tco/TCOHome.html">http://www.wmo.ch/web/tco/TCOHome.html</a>
			WMO	WMO Space Programme	<a href="http://www.wmo.ch/hinsman/satsun.html">http://www.wmo.ch/hinsman/satsun.html</a>
41(b)	Formulate national action programmes to ensure timely and effective implementation of the Convention and its related projects, with the support of the international community, including through decentralized projects at the local level	EO satellites for monitoring desertification	SPOT Image	SPOT satellite vegetation instrument	
			ASI – CNES – INTA - SNSB	ORFEO project	
			ASI	COSMO-SkyMed Programme for ecological monitoring. The Programme is to start operating in 2007 and reach full capacity in 2008.	
			WMO	WMO Space Programme	<a href="http://www.wmo.ch/hinsman/satsun.html">http://www.wmo.ch/hinsman/satsun.html</a>
41(d)	Integrate measures to prevent and combat desertification as well as to mitigate the effects of drought through relevant policies and programmes, such as land, water and	RS and GIS for land, water and forest management, early warning systems,	EADS – Geomatics – Cemagref – CESBIO – ONF - Media France, Ministry of Research and New Technologies (France)	METIS project on forest management and control	

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	forest management, agriculture, rural development, early warning systems, environment, energy, natural resources, health and education, and poverty eradication and sustainable development strategies	environment monitoring and assessment	Hungarian Meteorological Service	Surface parameters – climate change modeling (ALADIN – HU)	
			ASI	COSMO-SkyMed Programme for ecological monitoring, monitoring and managing coastlines and marine and inland waters, including ice monitoring, and for monitoring and managing forestry and agriculture. The Programme is to start operating in 2007 and reach full capacity in 2008.	
			SUPARCO	RS Application Program	
			ESCAP	Regional Space Applications Programme for Sustainable Development (RESAP)	<a href="http://www.unescap.org/icstd/SPACE/resap/resap_main.asp">http://www.unescap.org/icstd/SPACE/resap/resap_main.asp</a>
			WMO	Hydrology and Water Resources Management Programme	<a href="http://www.wmo.ch/web/homs/1stpage.html">http://www.wmo.ch/web/homs/1stpage.html</a>
				WMO Space Programme	<a href="http://www.wmo.ch/hinsman/satsun.html">http://www.wmo.ch/hinsman/satsun.html</a>
			FAO, WFP, UNEP	GeoNetwork	<a href="http://www.fao.org/geonetwork">www.fao.org/geonetwork</a>
			UNESCO	World Water Assessment Programme (WWAP)	<a href="http://www.unesco.org/water/wwap/index.shtml">http://www.unesco.org/water/wwap/index.shtml</a>
		RS and GIS information as decision making tools for policy makers and managers; development of forecasting and management models; training and research as a key to poverty alleviation	UNESCO	Cross-cutting project “Application of Remote Sensing for Integrated Management of Ecosystems and Water Resources in Africa”	<a href="http://ioc.unesco.org/goos/africa/cross-cutting.htm">http://ioc.unesco.org/goos/africa/cross-cutting.htm</a>

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<b>Para.</b>	<b>Action item</b>		<b>Agencies / institution(s) involved</b>	<b>Initiatives/Programmes</b>	
41(e)	Provide affordable local access to information to improve monitoring and early warning related to desertification and drought	EO satellites and satellite communications to improve monitoring and early warning	SPOT Image, Eutelsat	SPOT satellite, Eutelsat fleet	
			ASI	COSMO-SkyMed Programme for ecological monitoring. The Programme is to start operating in 2007 and reach full capacity in 2008.	
			ESCAP	Regional Space Applications Programme for Sustainable Development (RESAP)	<a href="http://www.unescap.org/icstd/SPACE/resap/resap_main.asp">http://www.unescap.org/icstd/SPACE/resap/resap_main.asp</a>
			WMO	World Weather Watch Programme	<a href="http://www.wmo.ch/web/www/www.html">http://www.wmo.ch/web/www/www.html</a>
				WMO Space Programme	<a href="http://www.wmo.ch/hinsman/satsun.html">http://www.wmo.ch/hinsman/satsun.html</a>
FAO, WFP, UNEP	GeoNetwork	<a href="http://www.fao.org/geonetwork">www.fao.org/geonetwork</a>			
41(g)	Improve the sustainability of grassland resources through strengthening management and law enforcement and providing financial and technical support by the international community to developing countries	RS for the management of grassland resources	ASI	COSMO-SkyMed Programme for ecological monitoring. The Programme is to start operating in 2007 and reach full capacity in 2008.	
			ESCAP	Regional Space Applications Programme for Sustainable Development (RESAP)	<a href="http://www.unescap.org/icstd/SPACE/resap/resap_main.asp">http://www.unescap.org/icstd/SPACE/resap/resap_main.asp</a>