

## VII. SUSTAINABLE DEVELOPMENT OF SMALL ISLAND DEVELOPING STATES

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	
58(b)	Implement sustainable fisheries management and improve financial returns from them by supporting and strengthening relevant regional fisheries management organizations, such as the recently established Caribbean Regional Fisheries Mechanism and such agreements as the Convention on the Conservation and Management of Highly Migratory Fish Stocks in the Western and Central Pacific Ocean	RS for sustainable fisheries management	Thales, SODENA, IRD, CLS, Ministry of Research and New Technologies (France)	SEAGERH project	
			SUPARCO, Fisheries department, JAXA - Japan	Remote sensing data for sea surface temperature, marine environment and algal bloom	
58(c)	Assist small island developing States, including through the elaboration of specific initiatives, in delimiting and managing in a sustainable manner their coastal areas and exclusive economic zones and the continental shelf, including, where appropriate, the continental shelf areas beyond 200 miles from coastal baselines, as well as relevant regional management initiatives within the context of the United Nations Convention on the Law of the Sea and the regional seas programmes of the United Nations Environment Programme	RS for management of coastal areas	BRGM – BRLI – CNES – CIRAD - Ifremer, SCOT	AGIL project: assistance for integrated coastal management	
			ASI	COSMO-SkyMed Programme for monitoring and managing coastlines. The Programme is to start operating in 2007 and reach full capacity in 2008.	
			SUPARCO, IUCN, WWF	Assessment of Mangroves Coastal ecosystem of Pakistan through SRS data.	
			UNESCO, WMO, UNEP	IOC's Global Ocean Observing System (GOOS) Regional Alliances including those for Africa, Black Sea, Mediterranean, Caribbean, Indian Ocean, Pacific Islands, North-East and South-East Asia, South-East Pacific	<a href="http://ioc.unesco.org/iocweb/index.php">http://ioc.unesco.org/iocweb/index.php</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	IOC's "Regional Ocean Observing and Forecasting Systems for Integrated Management of Ocean and Coastal Environment and Natural Disasters in Africa" (ROOFS-AFRICA) project	<a href="http://ioc.unesco.org/goos/afri ca/ROOFS-AFRICA.htm">http://ioc.unesco.org/goos/afri ca/ROOFS-AFRICA.htm</a>
58(d) (i)	Provide support, including for capacity-building, for the development and	RS for monitoring marine and coastal biological	BRGM – BRLI – CNES – CIRAD - Ifremer, SCOT	AGIL project: assistance for integrated coastal management	

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	
	further implementation of: (i) Small island developing States-specific components within programmes of work on marine and coastal biological diversity	diversity	Thales, SODENA, IRD, CLS, Ministry of Research and New Technologies (France)	SEAGERH project	
58(h)	Extend assistance to small island developing States in support of local communities and appropriate national and regional organizations of small island developing States for comprehensive hazard and risk management, disaster prevention, mitigation and preparedness, and help relieve the consequences of disasters, extreme weather events and other emergencies	EO satellites and satellite communications for disaster management	CSA, CNES, CONAE, ESA, JAXA, NOAA, ISRO	Satellites of the partners in the International Charter "Space and Major Disasters"	
			ASI	COSMO-SkyMed Programme for monitoring, prevention and management of both natural and technological environmental disasters even in extreme usage conditions. 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	Technical Cooperation Programme	<a href="http://www.wmo.ch/web/tco/TCOHome.html">http://www.wmo.ch/web/tco/TCOHome.html</a>
			UNESCO, WMO, UNEP	IOC's Global Ocean Observing System (GOOS) Regional Alliances including those for Africa, Black Sea, Mediterranean, Caribbean, Indian Ocean, Pacific Islands, North-East and South-East Asia, South-East Pacific	<a href="http://ioc.unesco.org/iocweb/index.php">http://ioc.unesco.org/iocweb/index.php</a>
			UNESCO	IOC's uses of ocean based RS data to improve forecasts of rainfall in coastal areas Disaster Prevention Programme	<a href="http://ioc.unesco.org/iocweb/index.php">http://ioc.unesco.org/iocweb/index.php</a>
58(j)	Assist small island developing States in mobilizing adequate resources and partnerships for their adaptation needs relating to the adverse effects of climate change, sea level rise and climate variability, consistent with commitments under the United Nations Framework Convention on Climate	EO satellites for assessing adverse effects of climate change	CNES-NASA	TOPEX-Poseidon for altimetric measurements (ocean circulation, etc.) Jason-1 for global altimetric measurements of the oceans, following TOPEX-Poseidon. General meteorology and climate understanding	
			CNES-MétéoFrance-IRD-SHOM	MERCATOR for ocean simulation on the basis of satellite observation; for climate forecasting	

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	
	Change, where applicable		CNES-CNRS, supported by IRMB and WRC	PICARD for determining solar forcing influence on Earth climate	
			CNES	PARASOL for determining influence of radiative impact of clouds and aerosols on climate change	
			CNES-NASA	CALIPSO study on radiative impact of clouds and aerosols on understanding of climate systems and global change	
			CNES-ESA-CDPI	SMOS for global observation of land surface humidity and ocean salinity. Climate forecasting	
			CNES-CLS	SALP production, archiving and distribution of TOPEX-Poseidon, JASON, DORIS and ENVISAT mission products	
			CNES and French, Belgian, Swedish and Italian manufacturers	VEGETATION instrument for crop and continental biosphere observation	
			ASI	COSMO-SkyMed Programme for ecological monitoring. The Programme is to start operating in 2007 and reach full capacity in 2008.	
			WMO	Technical Cooperation Programme	<a href="http://www.wmo.ch/web/tco/TCOHome.html">http://www.wmo.ch/web/tco/TCOHome.html</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	IOC's "Regional Ocean Observing and Forecasting Systems for Integrated Management of Ocean and Coastal Environment and Natural Disasters in Africa" (ROOFS-AFRICA) project	<a href="http://ioc.unesco.org/goos/afri-ca/ROOFS-AFRICA.htm">http://ioc.unesco.org/goos/afri-ca/ROOFS-AFRICA.htm</a>	
59.	World Summit on Sustainable Development – Plan of Implementation – specific references to Earth Observation	Study on Earth Observation Applications for Sustainable Development	ESA and Geoville (Austria)	Project in support for the Water Framework Directive and the Soil Protection Initiative	

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	
60(a)	Health-care services for promoting equitable access to health care	Satellite communications for tele-health and health information systems	CNES, MEDES, CLS, CONAE, French and African hospital centres, Airbus Industrie, Pasteur Institute, INRA, CEA	Teleconsultation programme in Guyana and the Arctic on board airline-operated aircraft. Tele-epidemiology programme in Senegal, Argentina, Guyana, Mali and Burkina Faso. "Projet S2E migrants": Space surveillance of epidemics introduced by migrating birds	
			Communications and systems satellites, Praxim-CNES	SMMAC	
			Government of Styria funded projects implemented by JOANNEUM RESEARCH (Austria)	Tele-coaching project for applications in mountain areas where terrestrial communications facilities are not available. Medical data from a heart monitor was transferred via small transportable VSAT terminal to Graz. The facilities are being further developed for tele-consultancy in the medical field and for providing remote medical advice on board of ships.	
			SUPARCO / health and other relevant departments	Pakistan first Communication Satellite PAKSAT-1 has been leased and placed in GSO. Plans are underway to develop and launch follow up communication satellites in the near future.	
			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>
			WHO	Development of a telehealth strategy	