

VI. HEALTH AND SUSTAINABLE DEVELOPMENT

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	
54(b)	Promote equitable and improved access to affordable and efficient health-care services, including prevention, at all levels of the health system, essential and safe drugs at affordable prices, immunization services and safe vaccines and medical technology	Satellite communications for tele-health	CNES, MEDES, CLS, CONAE, French and African hospital centres, Airbus Industrie, Pasteur Institute, INRA, CEA	Teleconsultation programme in Guyana and the Arctic onboard 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. Telesurgery programme.	
			Communications and systems satellites, Praxim-CNES	SMMAC	
			SUPARCO/OOSA/WHO /UNICEF	SUPARCO is planning to facilitate by connecting big hospitals in Pakistan with health facilities in the rural areas.	
			ESCAP	Regional Space Applications Programme for Sustainable Development (RESAP)	http://www.unescap.org/icstd/SPACE/resap/resap_main.asp
			UNESCO	Cross-cutting project "Application of Remote Sensing for Integrated Management of Ecosystems and Water Resources in Africa"	http://ioc.unesco.org/goos/africa/cross-cutting.htm
54(c)	Provide technical and financial assistance to developing countries and countries with economies in transition to implement the Health for All Strategy, including health information systems and integrated databases on development hazards	Satellite communications for health information systems. RS/GIS and GNSS for health situation analysis	CNES, MEDES, CLS, CONAE, French and African hospital centres, Airbus Industrie, Pasteur Institute, INRA, CEA	Teleconsultation programme in Guyana and the Arctic onboard 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. Telesurgery programme.	
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			ASI	COSMO-SkyMed Programme for technical cartography. The Programme is to start operating in 2007 and reach full capacity in 2008.	
			SUPARCO/OOSA/WHO /UNICEF	SUPARCO is planning to facilitate by connecting big hospitals in Pakistan with health facilities in the urban areas.	
			ESCAP	Regional Space Applications Programme for Sustainable Development (RESAP)	http://www.unescap.org/icstd/SPACE/resap/resap_main.asp
			WHO	Inter-American Network on the Use of Geographic Information System/Remote Sensing (GIS/RS) to Control Infectious Diseases	http://listserv.paho.org/archives/inrsgishealth.html
54(e)	Promote and develop partnerships to enhance health education with the objective of achieving improved health literacy on a global basis by 2010, with the involvement of United Nations agencies, as appropriate	Satellite communications for tele-education on health	CNES, MEDES, CLS, CONAE, French and African hospital centres, Airbus Industrie, Pasteur Institute, INRA, CEA	Teleconsultation programme in Guyana and the Arctic onboard 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. Telesurgery programme.	
			Communications and systems satellites, Praxim-CNES Education: CNES, French, Indian and Tunisian universities, ministries of education and research	Satel-IT project French Medical Virtual University: French-Indian Cyber-University in Sciences.	
			Communications and systems satellites, Praxim-CNES Education: UNESCO, CNDP, CNES, Ministry of Research and New Technologies (France)	EDEN project	

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			Communications and systems satellites, Praxim-CNES Education: CRDP, ENSG, ESRI France, Cartosphere, Afigeo, Ministry of Research and New Technologies (France)	GEWED project, web site providing geographical data and GIS for teachers, trainers and students	
			SUPARCO/OOSA/WHO /UNICEF	SUPARCO is planning to facilitate by connecting big hospitals in Pakistan with health facilities in the urban areas.	
			ESCAP	Regional Space Applications Programme for Sustainable Development (RESAP)	http://www.unescap.org/icstd/SPACE/resap/resap_main.asp
54(g)	Target research efforts and apply research results to priority public health issues, in particular those affecting susceptible and vulnerable populations, through the development of new vaccines, reducing exposures to health risks, building on equal access to health-care services, education, training and medical treatment and technology and addressing the secondary effects of poor health	Satellite communications for tele-health/medicine and tele-education	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.	
			CNES, MEDES, CLS, CONAE, French and African hospital centres, Airbus Industrie, Pasteur Institute, INRA, CEA	Teleconsultation programme in Guyana and the Arctic onboard 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. Telesurgery programme.	
			Communications and systems satellites, Praxim-CNES	SMMAC	

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			CNES, French, Indian and Tunisian universities, ministries of education and research	Satel-IT project French Medical Virtual University: French-Indian Cyber-University in Sciences.	
			UNESCO, CNDP, CNES, Ministry of Research and New Technologies (France)	EDEN project	
			CRDP, ENSG, ESRI France, Cartosphere, Afigeo, Ministry of Research and New Technologies (France)	GEWED project, web site providing geographical data and GIS for teachers, trainers and students.	
			SUPARCO/OOSA/WHO /UNICEF	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)	http://www.unescap.org/icstd/SPACE/resap/resap_main.asp
			WHO	Inter-American Network on the Use of Geographic Information System/Remote Sensing (GIS/RS) to Control Infectious Diseases	http://listserv.paho.org/archives/inrsgishhealth.html
				Development of a telehealth strategy	
54(k)	Launch international capacity-building initiatives, as appropriate, that assess health and environment linkages and use the knowledge gained to create more effective national and regional policy responses to environmental threats to human health	RS for the assessment of health and environment linkages	CNES - Pasteur Institute – CNRS - MEDES	Tele-epidemiology programme in Senegal, Argentina, Guyana, Mali and Burkina Faso. “Projet S2E migrants”: space surveillance of epidemics introduced by migrating birds.	
			ASI	COSMO-SkyMed Programme for ecological monitoring. The Programme is to start operating in 2007 and reach full capacity in 2008.	
			WHO	Inter-American Network on the Use of Geographic Information System/Remote Sensing (GIS/RS) to Control Infectious Diseases	http://listserv.paho.org/archives/inrsgishhealth.html

