

Synthesis of present situation and further Institutional and Technical recommendations to strengthen NMHS capacities in DRR support

Beneficiary	Recommendations						
	<i>Institutional framework/ enabling environment</i>	<i>Observational networks</i>	<i>Telecommunications and Computing</i>	<i>Data management</i>	<i>Forecasting system</i>	<i>Risk assessment/EWS/ Preparedness&response</i>	<i>Regional/International cooperation</i>
TURKEY	<p>the Law on Compulsory Disaster Insurance (2012): the buildings which do not have compulsory earthquake insurance will not benefit from government help including the mortgage and building constructions to disaster victims.</p> <p>Preparation, mitigation, response and recovery works are conducted under the coordination of AFAD (Disaster and Emergency Response Services Bylaw, 18-12-2013).</p> <p>All response activities are conducted by Prime Ministry Disaster and Emergency Management Center (DEMC) that operates under Response Department of AFAD. This center has been established by Disaster and Emergency Management Center bylaw on 19.02.2011. This center works on 7/24 basis with the hard core AFAD personnel and coordinates the national and international disaster and emergencies.</p> <p>The urgent need to finalize the preparatory work on the First National Platform</p>	<p>To be noted the substantial improvement in terrestrial and marine AWS. The last ones in very good cooperation with the Directorate General for Coastal Safety.</p>	<p>TSMS: “telecommunication infrastructure seems OK”</p>	<p>AFAD has established in 2013 an “Earthquake Data Center of Turkey” (data access is free of charge).</p> <p>DSI has new water data base (SVT) for surface water and groundwater quantities.</p> <p>TSMS: There is a need to complete the quality control for the digitized data from 1926 to 1953.</p> <p>TSMS: There is a need to continue the work on metadata collection for both current and historical data.</p> <p>TSMS: There is a need to learn much more details about WMO approach to metadata.</p>	<p>There is a need for DSI finalize the project for implementing an hydrological model.</p>	<p>SOPs are in place for data and products real time exchange between DMI and AFAD as well as between DMI and DSI.</p> <p>There is an urgent need to upgrade the communication link between DMI and DSI.</p> <p>DMI data link with KOERI for Tsunami warnings exchange in the framework of a formal cooperation.</p> <p>There is a need to complete (foreseen by 2017) the ongoing AFAD project on “uninterrupted communication system” for early warning exchange between AFAD, KOERI, DMI and DSI.</p> <p>AFAD has the responsibility in creating awareness for tsunami hazards and early warning of districts with the technical information provided by KOERI.</p> <p>TSMS: 15 Regional Forecast and Early Warning Centres were established by the end of</p>	<p>ECMWF and EUMETSAT products are extensively used by TSMS as full member of both organizations.</p> <p>TSMS is not a full Member or a cooperating Member of EUMETNET but expressed strong interest during the field visit on OPERA and EMMA.</p> <p>Direct link between DG ECHO and AFAD for disaster and emergency situations at national or international level.</p> <p>AFAD proposal, on behalf of Turkey, for participation to Ministry of EU Affairs and to Ministry of Communication, Transportation and Maritime in February 2014.</p>

	<p>AFAD responsible to declare earthquake parameters officially in Turkey (amendment to Law no. 5902).</p> <p>There is a need to consider a formal cooperation between DSI and the seismological institutions.</p> <p>Data are made available by DSI to private companies for a charge. For governmental institutions (official duties) there are standard data exchange protocol.</p>					<p>2012. They are daily connected with the Ankara Weather Forecast Centre.</p> <p>DSI: there is a need to consolidate the training programme on hydrological and hydraulic modelling and flood early warning started in the framework of the EU Project on Flood Forecasting and Control.</p> <p>DSI: floods hazard maps have been prepared covering the whole country.</p> <p>AFAD will start a new project about risk assessment on socio-economic vulnerability with TUBITAK Information Technology Institute. The first stage will be focused on disaster response.</p> <p>To facilitate the exchange of the risk assessment information with the 81 Provinces AFAD has started at December 2013 the project AYDES. It is web based and it will support disaster management and decision making.</p> <p>There is need to finalize the project AFAD-Rapid Earthquake Damage for a preliminary damage</p>	
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