



Building Resilience to Disasters in
Western Balkans and Turkey

Attachment 2

IPA-2012 Project: Building Resilience to Disasters in Western Balkans and Turkey

TASK 6:

Design of Regional MHEWS Composed of Harmonized National EWS

Description of activities of Design Team

The Design Team will be composed of experts from all IPA beneficiaries with the following profile: Technical Expert – a staff member of the respective NMHS with expertise in observing networks, data processing and procedures for the provision of warning services; Institutional Expert – a staff member from the respective Disaster Risk Management (e.g., civil protection, emergency management) agency, working in collaboration with the NMHS in the establishment of regulation and procedures for the national early warning system.

The Design Team will work in close coordination with the WMO Project Implementation Team and two consultants on the implementation of **Task 6** of the Project: **Design a regional Multi-Hazard Early Warning System composed of harmonized national Early Warning Systems within a regional cooperation framework.**

The main deliverable of Task 6 is a regional Multi-Hazard Early Warning System (MHEWS) Concept and Design Document developed through regional collaboration providing adequate technological and institutional solutions for building the business case for a regional MHEWS, composed of harmonized and inter-operable national MHEWS.

The duration of the work will be from May 2013 to April 2014. Detailed work plan is to be developed during the Kick-off Meeting. The following are the main activities envisaged:

1. **Desktop review of available assessments of meteorological, hydrological, and climate-related hazards, and related institutional capacities for MHEWS including:**
 - a. South-East Europe Assessment Phase (SEEDRMAP). Link: http://www.wmo.int/pages/prog/drr/projects/SEE/SEEDRMAP_en.html
 - b. Phase I: South East Europe Capacity Development. Link: http://www.wmo.int/pages/prog/drr/projects/SEE/SEEDPhaseI_en.html
 - c. Assessment reports of the United Nations Development Programme of the disaster risk management institutional mechanisms
2. **Comprehensive analysis of capacities, gaps and requirements related to the four components of EWS in the SEE beneficiaries for meteorological, hydrological and climate-related hazards, including**
3. **Review existing regional agreements and arrangements of the SEE beneficiaries**
4. **Review of the linkages with other Packages of the project (3,4,5) and other projects underway in the region to this activity**

- 5. Field visits by consultants to beneficiaries**
- 6. Preparation of the Design Document for the regional MHEWS – Institutional and Technical Parts**
- 7. Organization of meetings and a final dissemination workshop**

The Design Team will ensure the engagement of appropriate expertise in the analysis and design review process available in the European Union region through the EUMETNET programmes, such as, EUCOS and OPERA to ensure transfer of knowledge and know-how to the IPA beneficiaries and their alignment with procedures and best practices utilised in the EU.

The national experts on the Design Team will conduct national analytical work and will assist consultants in preparing respective mission reports and activities reports as required by the project reporting schedule and procedures (appropriate templates to be provided by the WMO).

Work Package 6 TENTATIVE WORK PLAN

ACTIVITY	DEADLINE	Who?
Identify consultants	March	WMO
TOR of consultants + Compile all materials	30 April	WMO
SSA of consultants	15 May	WMO
Desk top Review by consultants Preparation of documents for meeting and trips	31 May	Consultants
Workshop to launch the activity (includes review of relevant tech packages of projects)	29-30 May 2013	WMO W/input from consultants
Field Travel of consultants and preparation of docs for 1st meeting of design team	June to to second week of July	Consultants
First Design Team Meeting	Second week of July (TBD)	WMO, Consultants and Design Team
EWS design requirements in coordination with beneficiaries and WMO project	Second week of July to October 2013	Consultants
4 days design tech meeting (inst & technical)	1-Nov-2013	Consultants, WMO
Finalization of doc & review	Nov 2013 and Feb, March 2014	Consultants WMO Programmes Design Team
Final meeting & dissemination of results	1-Apr-2014	All

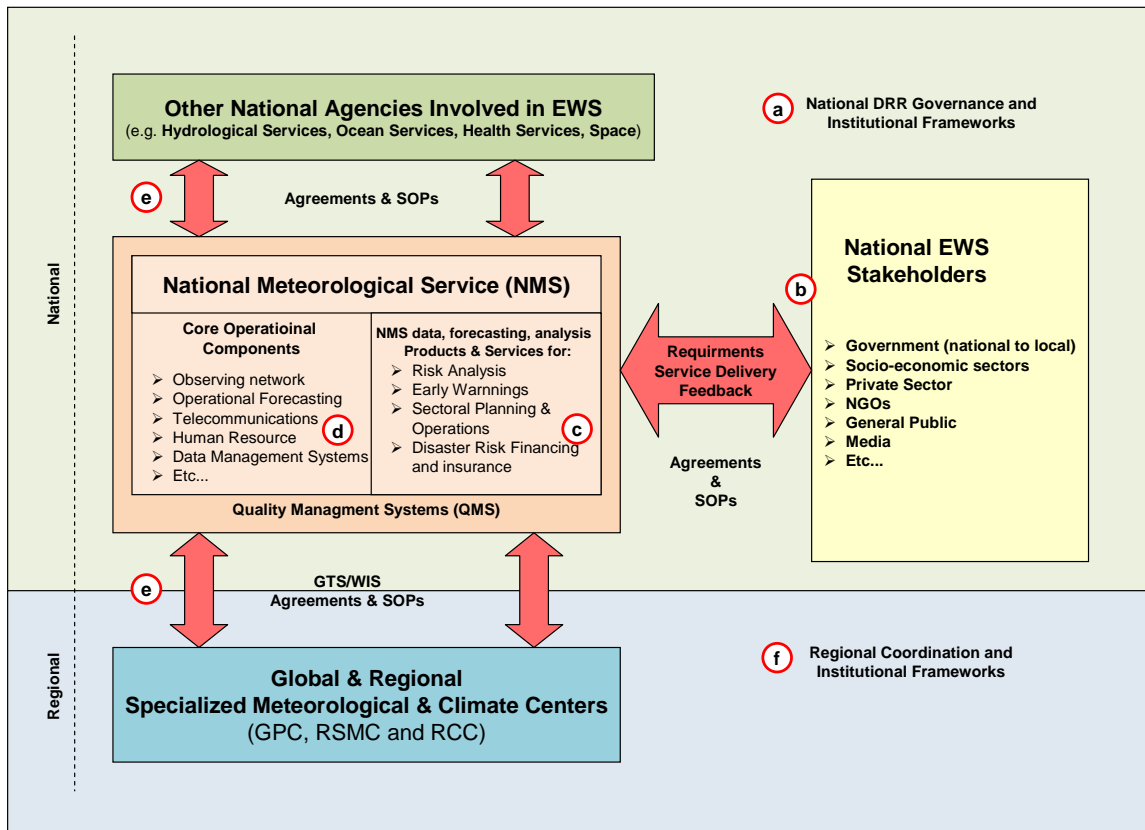


Figure 1: Schematic representation of linkages between meteorological services and EWS stakeholders