



**Building Resilience to Disasters in
Western Balkans and Turkey**

Building Resilience to Disasters in Western Balkans and Turkey

Second Steering Committee meeting

Skopje, 31 May 2013

D. Ivanov, WMO Regional Office for Europe



Focus on SE Europe

WMO implemented, in collaboration with UNDP and other partners, the Action: “Regional cooperation in SEE for meteorological, hydrological and climate data management and exchange to support Disaster Risk Reduction” during the period April 2009 – October 2011.

(IPA/2009/199-922)

All materials available on:

http://www.wmo.int/pages/prog/drr/projects/SEE/SEE_en.html





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IPA2012 Project – Work Packages (WMO)

Data for risk analysis

- Hazard analysis and mapping
- Cross-border Exchange
- CDMS
- Pilot project – Sava River Basin (with ISRBC)

Improved Products in support of DRR

- SW Forecasts & Warnings
- “Nowcasting”
- Floods and drought products

Climate change

- Long-range forecasts
- Seasonal climate outlooks
- Climate services

MHEWS issues

- EWS Design
- Quality Management
- Regional Harmonization
- Infrastructure



WP 3 - Enhance the regional risk assessment and mapping capacities through improved capacity of beneficiaries in hazard analysis and mapping

Act 3.1:
Historical meteorological and climate data rescue (DARE) and enhancement of Climate Data Management Systems (CDMS)

T3.1.1: Analyze beneficiaries' needs for DARE and CDMS

T3.1.2: Assist NMHSs in digitizing meteorological variables available on paper and archiving on electronic media per standards aligned with WMO and EU requirements

Act 3.2:
Enhancing hydro-meteorological data quality, homogenization and standardization.

T3.2.1: Regional workshop on historic hydrometeorological data management with specific modules on hydrometeorological data quality assurance, homogenization and standardization

Act 3.3:
Drought hazard analysis and mapping

T3.3.1: Training on Drought Hazard Analysis and Mapping

Act 3.4:
Sava River pilot project on flood hazard.

T3.4.1: Enhancing hydrological data management and exchange procedures

T3.4.2: Flood losses assessment tool.



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WP3: Activities: May 2013 – April 2014

T3.3.1 – Training on Drought Hazard Analysis – Q4 2013, DMC/SEE
Ljubljana

T3.4 – International Sava River Basin Commission (ISRBC) project on flood
hazard

- Kick-off Meeting – 6-7 June, ISRC Zagreb
- Task Team established based on the ISRBC Expert Group on hydrometeorology
- WMO Task Manager – Mt Tommaso Abrate, Climate and Water Department
- Consultancy arranged
- Exact planning of the future activities will be done at the kick-off meeting



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WP3: Activities – May 2013 – April 2014

T3.1.2 – Finalization of the delivery installation and training of Climate Data Management Systems (CDMS)

Current status – selection of solution for CDMS has been done; negotiation with the manufacturer completed; procurement process is on-going

CLIDATA upgrade (including upgrade of Oracle) for BiH (FHMZ), Montenegro and FYR of Macedonia;

MCH system (MySQL based) offered to Albania, BiH (RHMZRS), Kosovo*
Advantages – no Oracle charges, easy to configure according to national needs, no special hardware requirements, can handle hydrology data; support from WMO – no cost

Procurement process to be finalized in June, scheduled delivery from July'13



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WP 4 - Enhance IPA Beneficiaries' capacity to forecast hazardous meteorological and hydrological phenomena and deliver timely warnings to support DRR

Act 4.1:
Enhancement of severe weather forecasting capabilities of IPA beneficiaries in support of EWS

T4.1.1: On-the-job training at suitable operational centre (Romania) for forecasters from IPA beneficiaries.

T4.1.2: Participation of experts from IPA beneficiaries in the European severe weather forecasting test-bed in collaboration with the European Severe Storm Laboratory (ESSL)

T4.1.3: Upgrade of the EUMETCast stations at ALB, BIH, MKD, MNE and Kosovo (DAWBEE stations) and training of NMHSs staff in using the advanced tools for severe weather forecasting

Act 4.2:
Advanced training for hydrological forecasters

T4.2.1: Regional training workshop on integrated flood management and flood forecasting

Act 4.3:
Enhancement of the cross-border exchange of data and information in support of EWS

T4.3.1: Continuation of integration of IPA countries to Meteoalarm

Act 4.4:
Building capacity for quality assurance of products and services provided in support of DRR, including QMS

T4.4.1: Regional training in Quality Management Systems (QMS) and their application in activities related to DRR

Act 4.5:
Resolving deficiencies related to quality of observational data (calibration and maintenance of instruments)

T4.5.1: Assistance to countries not having adequate resources for calibration and maintenance of hydro-meteorological instruments (in cooperation with RIC Ljubljana)



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WP4: Activities: May 2013 – April 2014

T4.1.1 – Second part of on-the-job training in the Romanian National Meteorological Administration has been arranged – May-June 2013

T4.1.2 – Second part of participation of IPA experts in the European Severe Storm testbed (in cooperation with ESSL) has been arranged, July 2013, Wienerneustadt, Austria

T4.1.3 – Coordination with EUMETSAT done in Sarajevo in April; the upgrade of the EUMETCast (DAWBEE) stations is scheduled by EUMETSAT (no cost for the project); 5-day Training for 5 IPA beneficiaries in Oct/Nov 2013 (venue to be selected)

T4.3.1 – Membership of BiH in the EUMETNET EMMA Programme has been arranged; currently, a test period for inclusion in the European Meteoalarm web service has been initiated; launch – 4Q 2013

www.meteoalarm.eu



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WP4: Activities: May 2013 – April 2014

T4.4.1 – Regional training on Quality Management Systems (QMS) and their application to the provision of hydrometeorological services for DRM – scheduled – 8-10 July Zagreb (2 participants per IPA beneficiary – ideally, Director + current or future Quality Manager)

Participation of DRM agencies invited

T4.5.1 – Assistance in calibration and maintenance (in cooperation with Regional Instrument Centre, Ljubljana) – visits to 5 beneficiaries starting end of June

Two calibration kits have been procured and delivered to RIC Ljubljana. Calibration expert (Mr Drago Groselj) will visit the targeted beneficiaries: Albania, BiH, Montenegro, FYR Macedonia, Kosovo* - exact schedule to be coordinated with the NMHSs

Note: The calibration kits will be used by these 5 beneficiaries; WMO will continue providing assistance if more calibration equipment is needed; each country needs to develop routine calibration and maintenance programme.



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WP 5 - Improved capacity of the NMHSs in the provision of information to support climate change adaptation and climate risk management

Act 5.1:
Enhancing capacity in drought risk management

T5.1.1: Strengthening the role and operation of the Drought Management Centre for South-East Europe (DMC/SEE Ljubljana, Slovenia), through secondment of staff from IPA Beneficiaries and provision of on-the-job training on specialized drought-management tools.

Act 5.2:
Strengthening capacity of IPA beneficiaries in providing long-range forecasts and related climate services.

T5.2.1: Organisation of regular sessions of the South-East Europe Climate Outlook Forum (SEECOF).

T5.2.2: Regional training workshop in the use and interpretation of long-range forecasts

T5.2.3: Short-term secondments to SEEVCCC

Act 5.3:
Developing capacity in services for the insurance sector

T5.3.1: Regional training on the role of NMHSs in support of activities in the field of insurance



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WP5: Activities: May 2013 – April 2014

T5.1.1 – Hands-on work of drought experts with the DMC/SEE Ljubljana
4Q 2013/1Q 2014

T5.2.1 – Thank to the two IPA projects, the SE European Climate Outlook Forum (SEECOF) is now an established regional cooperative mechanism for the production of seasonal outlooks. Lead role of the SE European Virtual Climate Change Centre (SEEVCCC), coordinated by the RHMS of Serbia www.seevccc.rs

SEECOF/10 scheduled for November 2013, Belgrade

T5.2.2 – Regional training on the use and interpretation of long-range forecasts – scheduled back-to-back SEECOF/10

T5.2.3 – Short-term secondments to SEEVCCC – 4Q 2013/1Q2014

T5.3.1 – Regional workshop on the role of NMHSs in the field of insurance –
1Q 2014



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WP 6 - Design a regional Multi-Hazard Early Warning System composed of harmonized national Early Warning Systems within a regional cooperation framework

Act 6.1:
Assessment and gap analysis
of the existing national Early
Warning Systems

T6.1.1: Gap analysis by a consultant

Act 6.2:
Preparation of a technical
design document describing a
seamless regional MHEWS,
encompassing optimized
monitoring networks,
forecasting facilities,
telecommunications,
institutional and procedural
aspects, human resources

T6.2.1: Establishment of Design Team - consultant, designated experts from meteorological and hydrological services (three meetings of the DT envisaged)

T6.2.2: Regional meeting on institutional collaboration in MHEWS

T6.2.3: Regional forum to present the design document and promote it for adoption at national and regional level.

T6.2.4: Assistance to the Informal Conference of South-east European Directors (ICSEED) of NMHSs.



WP6: Activities: May 2013 – April 2014

T6.1.1 – Gap analysis – consultant on institutional aspects and consultant on technical aspects hired; support from the German Meteorological Service, MeteoSwiss

T6.2.1 – Establishment of the Design Team; engagement of DRM experts needed

T6.2.2 – Regional Meeting on Institutional collaboration in MHEWS, 4Q 2013, Turkey

Preparation of the design documents – 1Q 2014

T6.2.3 – Dissemination event, back-to-back with the 3rd SC meeting April 2014

T6.2.4 – Support to Informal Conference of SE European Directors of NMHS, 1Q 2014, offer from Banja Luka (tbc)



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THANK YOU!