DAWBEE

DATA ACCESS FOR WESTERN BALKAN, EASTERN EUROPEAN AND CAUCASIAN COUNTRIES

IN ITS EFFORTS TO MAXIMISE THE USE OF ITS SATELLITE DATA AND PRODUCTS, **EUMETSAT**, IN PARTNERSHIP WITH SOME OF ITS MEMBER STATES AND IN COOPERATION WITH WMO, INITIATED THE DAWBEE PROJECT IN EARLY 2010.

Local training in Yerevan, Armenia

Local training in Montenegro

OBJECTIVE AND SCOPE OF DAWBEE PROJECT

The objective of the Data Access for Western Balkan and Eastern European Countries (DAWBEE) project is to ensure that eleven World Meteorological Organization (WMO) Regional Association VI (RA-VI) National Meteorological and Hydrological Services (NMHSs), which are not EUMETSAT Member or Cooperating States, have operational access to EUMETSAT data.

Through this project, standard EUMETCast stations (called DAWBEE stations) are installed on the premises of the eleven NMHSs.

Several activities (user requirements, design of the station, installation and local training) are implemented with the support of experts from neighbouring EUMETSAT Member and Cooperating States which have established cooperation with these NMHSs. Specific training activities are also taking place within the project.

THE ELEVEN NMHSs ARE:

- Armenian State Hydrometeorological and Monitoring Service
- Azerbaijan National Hydrometeorological Department
- Belarus Department of Hydrometeorology
- Department of Hydrometeorology of Georgia
- State Hydrometeorological Service of Moldova
- Ukrainian Hydrometeorological Centre
- Albania Hydrometeorological Institute
- Federal Meteorological Institute of Federation of Bosnia and Herzegovina
- Hydrometeorological Institute of Kosovo
- Hydrometeorological Service of the former Yugoslav Republic of Macedonia
- Hydrometeorological Institute of Montenegro

DEMAND FOR ACCESS TO EUMETSAT DATA

In 2009, two Information Days were organised, in Ukraine and in Montenegro, to identify capabilities and assess the current use of EUMETSAT data in the Western Balkan, Eastern European and Caucasian regions.

During the Information Days, a clear demand was expressed for real-time access to EUMETSAT data and products, as the added value of these products for the operations of the meteorological services in the region was recognised. The participants explicitly requested that all NMHSs be equipped with a EUMETCast reception station and technicians trained to operate them. Most NMHSs also requested additional training support.

The DAWBEE project was conceived as a pragmatic response to these needs.

"THE DAWBEE PROJECT HAS ALLOWED NEW USERS IN EUROPE TO BENEFIT FROM OUR SATELLITE DATA AND PRODUCTS. IT IS AN OBJECTIVE OF EUMETSAT TO ACTIVELY PURSUE THE PROMOTION OF OPERATIONAL ACCESS TO EUMETSAT DATA AND PRODUCTS IN THESE REGIONS".

Dr. Lars Prahm
EUMETSAT Director-General

"DAWBEE HAS OFFERED A PRAGMATIC APPROACH THAT PERMITS SOME ADDITIONAL NMHSs OF THE WMO RA-VI (EUROPE) TO BENEFIT FROM INVESTMENTS MADE BY THE EUMETSAT MEMBER STATES THROUGH THEIR PROGRAMMES AS WELL AS THROUGH EC DG ENLARGEMENT / WMO REGIONAL COOPERATION FOR DISASTER RISK REDUCTION IN SOUTH EAST EUROPE (IPA PROJECT). IT PROVIDES A STRONG SUPPORT TO ACHIEVE THE WMO STRATEGIC AND OPERATIONAL PLAN IN THE REGION".

Mr. Ivan Čačić
WMO President of RA-VI

DAWBEE antenna in Yerevan, Armenia

DAWBEE TECHNICAL SOLUTION

A standard EUMETCast DAWBEE station has been designed with the support of experts from the regions. The main characteristics of the station are:

- they allow access to all data disseminated through EUMETCast – Europe channel
- robustness: fully redundant station with uninterrupted power supply
- simplified maintenance thanks to a single generic platform
- simplified extension of the system to other hardware platforms
- no specialised IT knowledge for the user
- antenna procured and installed by the local meteorological service

The application software has been selected by the experts based on a set of requirements established for the regions. The MSGProc and view MSGProc software suite developed and provided free of charge by the Slovak NMHS is installed in the DAWBEE station and allows adequate visualisation and processing of most of the data provided by EUMETCast.

KEY ACHIEVEMENTS OF DAWBEE

- A standard EUMETCast station has been installed in the premises of each of the NMHSs, with appropriate training for the operation of the station.
- A self-sustained network of experts has been created across the NMHSs that could pursue collaboration beyond the end of the project.
- Two training sessions on satellite meteorology and use of the software have been provided to the forecasters using the DAWBEE station.
- Positive feedback of the DAWBEE project was collected during a EUMETSAT workshop organised in the former Yugoslav Republic of Macedonia in April 2011.

COOPERATION

The implementation of the activities is taking place in close cooperation with WMO and in particular with the Disaster Risk Reduction in South East Europe project financed by the EU. The project is perfectly in line with the "EUMETSAT Strategy: 2030" and the WMO RA-VI (Europe) Strategic Plan, which calls in particular for an "*Improved capitalization on Region assets (ECMWF, EUMETSAT, EUMETNET, ICH) by encouraging broader use of outputs*".

Experts from the NMHSs of Ukraine, Croatia, Slovenia, Bulgaria, Romania and Slovakia have also participated in the project.

EUMETSAT
Eumetsat-Allee 1
64295 Darmstadt
Germany

Tel: +49 6151 807 366/377
Fax: +49 6151 807 379
E-mail: ops@eumetsat.int
www.eumetsat.int

MEMBER STATES

COOPERATING STATES

EUMETSAT also has established cooperation agreements with organisations involved in meteorological satellite activities, including the National Meteorological Services of Canada, China, India, Japan, Korea, Russia and USA.

MARCH 2011