



BOSNIA AND HERZEGOVINA

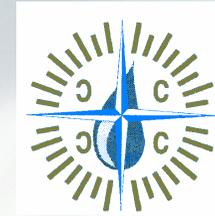
REPUBLIC OF SRPSKA

**FEDERATION OF
BOSNIA AND HERZEGOVINA**

**Republic hydrometeorological institute
Banja Luka**

**Federal hydrometeorological institute
Sarajevo**

**Republic hydrometeorological institute
Banja Luka
since 1992.**



**REPUBLIC OF SRPSKA
BOSNIA AND HERZEGOVINA**



**Republic hydrometeorological
institute
Banja Luka**

**Main building
and
Sector of seismology**

Agreement on cooperation with the



- Hydrological and meteorological service of Montenegro, October 31. 2006.
- Federal Hydrometeorological Institute Sarajevo, June 02.2008
- Hydrometeorological Service of Serbia, July 14.2009
- SEE VCCC Belgrade, July 14.2009
- Agreement with NMHSs of South eastern Europe in the frame of Sava project and SEE project founded by EU, WMO and WB
- Three-part agreement with Hydroelectric power plant Trebišnjica, Water Agency For Sava River District and our Institute
- RHMI cooperates closely with numerous bodies and organizations, public media and other users of meteorological and hydrological data and informations

Conclusions on agreement on cooperation



- Agreement on cooperation with the Federal Hydrometeorological Institute Sarajevo opens the door to much closer cooperation and access to any meteorological association, fund, or participation in international projects, is possible only through joint participation.
- **Therefore it is necessary balanced development of both institutions.**
- This requires joint action plan between the two institutes to make a priority in order to reach the standards, and went through the development, which have already been made institutions in the region.

Projects in the work



- **SAVA** River Basin Project – Hydrometeorological information and flood warning/forecasting system in the Sava river Basin
- Federal Hydrometeorological Institute Sarajevo, June 02.2008
- In the frame of Sava project developing the first hydrological yearbook of Sava River Basin
- **SEE GRID SCI** project includes many NMHS in South East Europe and widespread Infrastructure uptake by new user groups extending over the region, fostering collaboration and providing advanced capabilities to more researchers, with an emphasis on strategic groups in seismology, meteorology and environmental protection. RHMI Banja Luka and FHMI Sarajevo participates in this project with an application concerning Weather forecasting model in operative and scientific mode.

Projects in the work



- **Fohn effect**, project funded by Ministry of science and technology – Weather forecasting model / WRF-ARW – scientific
- Assessment of concentration for polychlorinated biphenyls in the region of the city of Banja Luka, project done together with relevant institutions such as Max Planck Institute for Chemistry, Mainz, Germany and Masaryk University, Research Centre for Environmental Chemistry and Ecotoxicology, Brno, Czech Republic
- **METSTARS** project means collecting and archiving meteorological data (synop) from meteorological network of Republic of Srpska, database and their processing.

Projects in the work



- Developing and putting in the operational work two models for numerical weather forecasting: ETA ,WRF-NMM
- Creating a climate database- now we have CLICOM data base,
- Assesment of First National report on climate change
- Getting 5 automatic meteorological stations Trebišnjica and Neretva River Basin project leads With Water Agency For Sava River District

Progress has been made in the Service



- in technical capacities:
 - 16 NOD cluster, which used to run Weather forecasting model
 - technical and software support to the Faculty of Electrical Engineering of the University of Banja Luka
- admission of experts and specialists :
 - 2 graduate meteorologist
 - 1 graduate meteorologist with specialization in climatology
 - 1 meteorologist in doctoral studies
 - 1 Engineering Information Technology
 - 1 graduate engineer, with specialization in hydrology
 - 1 graduate engineering technology specialist for environmental protection
 - 1 graduated physicist seismologist

Lacks and needs:



- **In the observational system:**
 - supplemented with measuring instruments, and replace part of the old instruments
 - increase the number of automatic meteorological stations
 - Finishing automated network for data transmission
- **In forecasting system:**
 - making the study of extreme meteorological events
 - early warning forecast system
 - reach the criteria for the introduction of Meteo Alarm
- **In climatology:**
 - Procurement CLI DATA software
 - actively join projects related to climate change
 - be especially active in the SEE VCCC in Belgrade

and to achieve these objectives:



- become a member of meteorological institutions and associations as an important factor for further development
 - achieve this step by step:
 - convince the government entity in the necessity of joining these organizations
 - consensus at the state level in the joint Ministry of Civil Affairs
- Entity laws and regulations
- fight for a much larger budgets
- participation in new projects funded by the European Union

www.meteo-rs.com



**Thank you for your
attention**