



9th ICEED, 10. – 11. December 2009.
Ljubljana, Republic of Slovenia

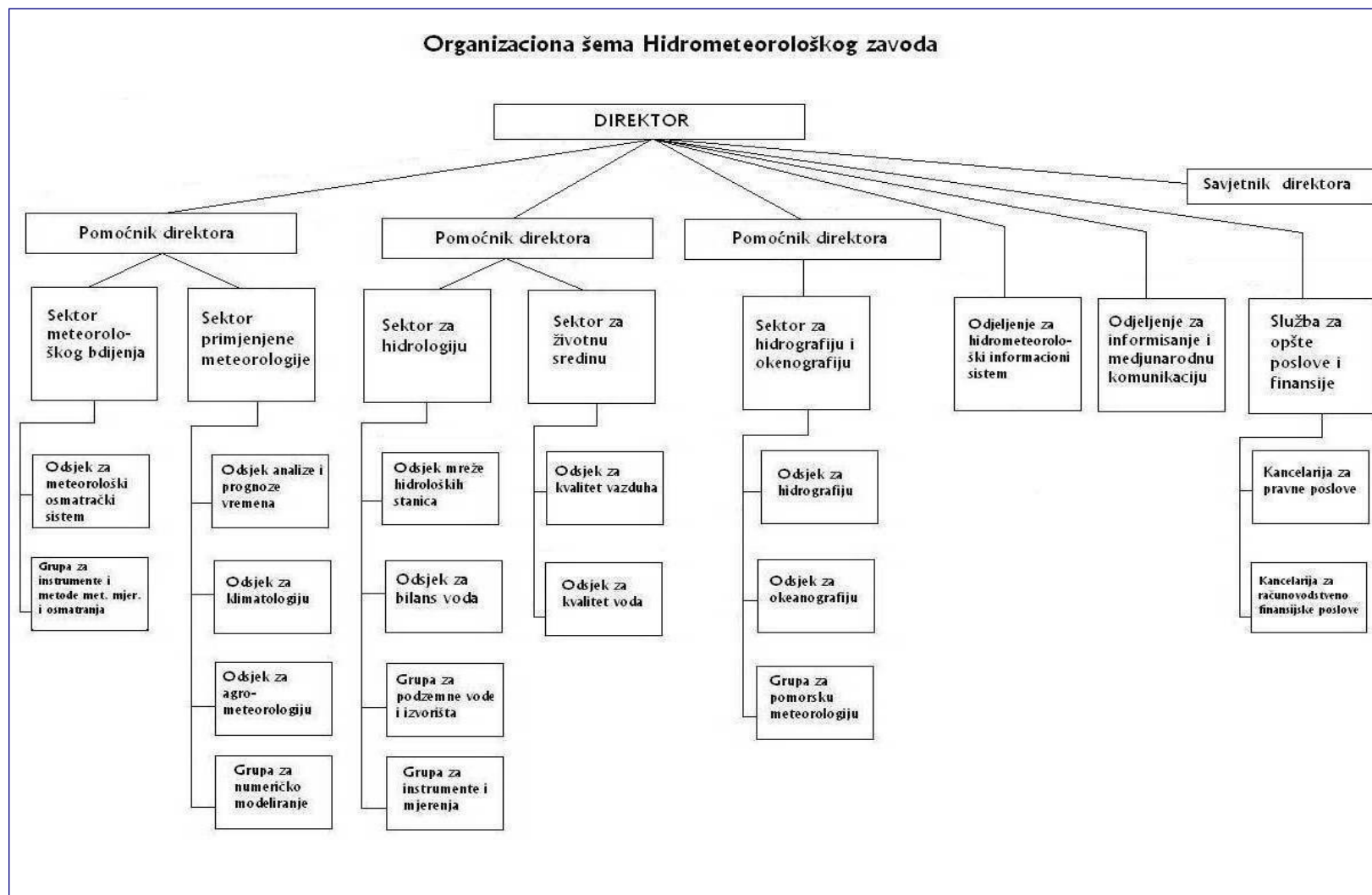
Montenegro Report

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New organization scheme



Network of hydrological stations

- By Master plan of hydrological stations (in cooper.with NVE) is predicted restoration and placement of new equipment on 51 locations (31 in Black Sea basin and 20 in Adriatic sea basin) till 2012.
- Stations will have direct link with center in Podgorica, for permanent monitoring of water level, and in some cases water T and parameters significant for water quality..



Meteorology

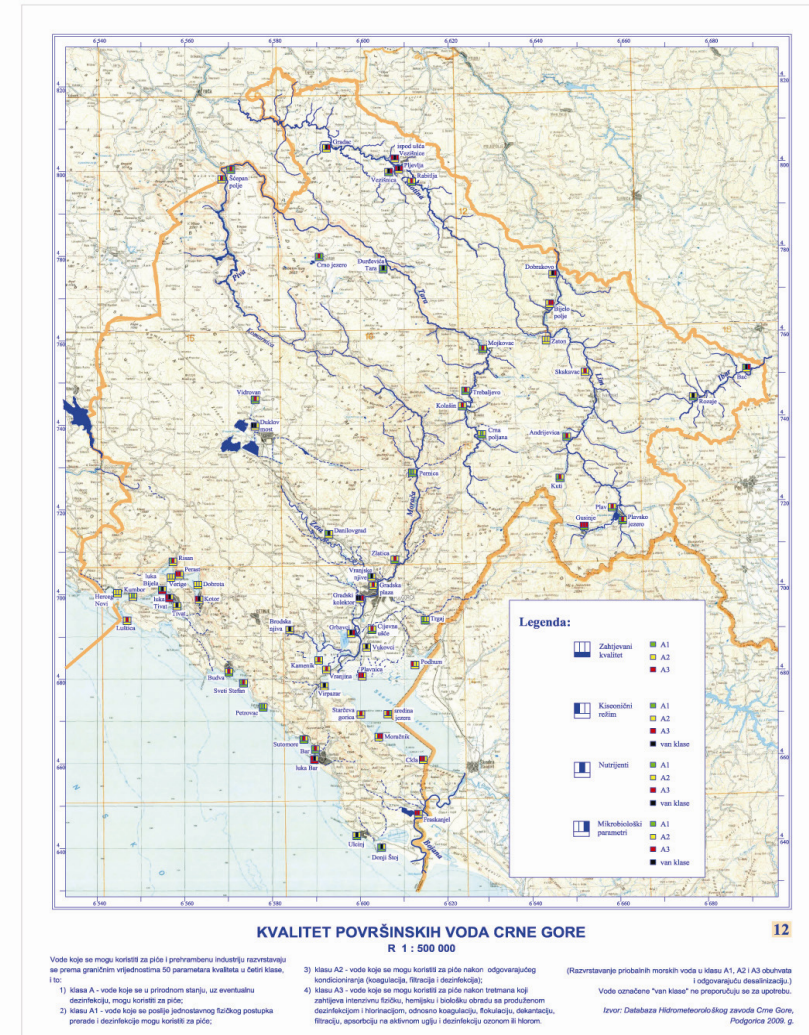
- Institute has a few days ago signed the Agreement with ECMWF for obtaining the license for METVIEW and CONICON Software.
- New database CLIDATA is functioning properly



- 3th open championship of Montenegro in weather forecast has been organized and this year with participation of about 20 participants, from Montenegro, Serbia, Croatia and Bosnia&Herzegovina.
- ~ Main tasks during championship were forecasting of maximal daily temperatures, minimal morning temperatures, precipitations and wind in some Montenegrin towns and snow height on Zabljak.
- Department of Climatology has prepared an interested work related to the Montenegro climate, that is *Köppenovu climate classification in Montenegro, presented through climate-diagrams by H. Walter.*

Ecology

- Memorandum on MEDPOL monitoring programme for carrying out Monitoring programme on state of Montenegro sea ecosystem (MEDPOL monitoring).
- **Workshop “Waste water management”**
 - ~ Workshop was organized in cooperation with the Ministry of Spatial planning and Environment, with support of WHO-UNEP MAP, Coordination Unit in Athens.
- Laboratory accreditation is in course



Hydrography

- Aim of hydrographic activity is to ensure safe navigation on the sea and inland navigation paths for protection of human life and goods, and also to carry out the researches aiming on management of sea resources and environmental protection.
- Hydrographic activities includes: hydrographic and topographic surveys on the sea and inland navigation paths, collecting of data from hydrography, navigation, geology, geophysics (changes of sea level, waves, sea currents, termohaline properties, hydro-acoustic and optical sea features and similar), processing, issuing and maintenance of navigation charts and publications in accordance with recommendations of International Hydrographic Organization (IHO) and International Maritime Organization (IMO).

New measurement equipment

- *Following the technical and technological development and having in mind significance of hydro-meteorological data and information, HMI has continued the modernization of equipment and measurements:*
 - ~ On tributaries of main basins of Moraca, Ćehotina and Ibar has been placed 8 automatic hydrological stations. This project has been realized for needs of construction of future small hydro power stations, financed by UNDP.
 - ~ On Bojana river has been placed SLD-Side Looking Doppler, for discharge measurements. This kind of equipment is for the first time present not only in Montenegro, but on Balcan. This instrument is obtained from ADRICOSM STAR project.
 - ~ On Morača river has been placed the multi parametric sonde for water quality measurement, with 9 parameters.

New initiatives

- Climate and Environment protection program in Montenegro dedicated to the hydrosphere monitoring, pollution control and raising awareness – CLEAR (with VODNI ZDROJE)
- Institute has already applied for several project from IPA funds (ADRIALEV-Adriatic level and its effects on coast; SWAQuOFF-Sea Water Quality Monitoring for Off-Shore Fish Farming Improvement.....)

■ Bathymetric and geodetic measurements of Plavsko lake

~ Following the good practice from the project of Bathymetric and geodetic measurements of Skadar lake and Bojana river, HMI has realized the same project on Plavsko lake, in the north part of Montenegro.

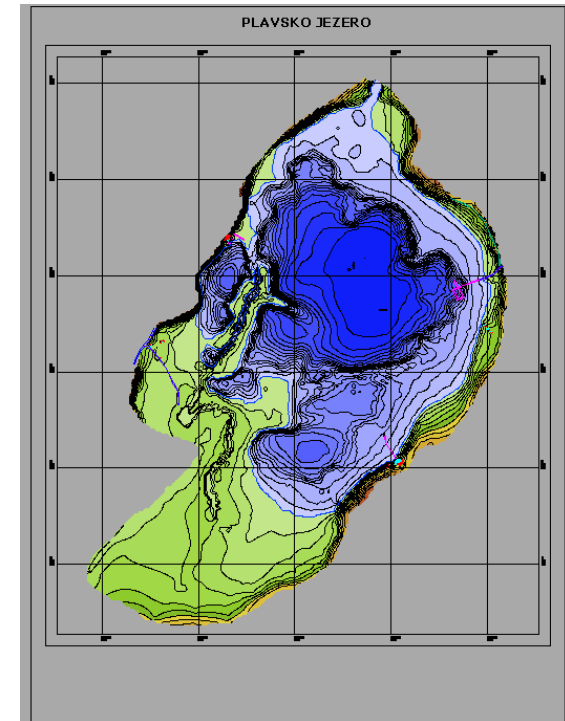



Chart of Plavsko lake
proportion R 1:5000 with
bathymetric scale

■ EUMETSAT Information Day in Montenegro



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- Monitoring of the projects “Regional Cooperation in SEE for Meteorological, Hydrological and Climate data” and “ Building capacity in Disaster Risk Reduction through Cooperation and Collaboration in SEE“ from WMO and UNDP experts.
 - Monitoring procedures were consisting of interviews with the project’s coordinator and partners and all actors involved in the project’s implementation, in order to determine the progress of the project and the likelihood that it achieves its objectives.

MoUs

- Memorandum of Understanding
- ~ By the obligation of hydro
- ~ HMI of warm water protection



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- Memorandum of Understanding with F...
- ~ Memorandum of Understanding on the upgrade of scientific hydrological MoU in accordance with the warning project and e...



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- Representatives of Hydrometeorological Institute of Montenegro participated to numerous Conferences, Workshops, Meetings of importance for development of hydro-meteorological activities
- ~ XV Conference of Regional Association VI
- ~ World Climate Conference 3
- ~ Steering Committee of DRR project
- ~ Workshop on SPI index and data homogenization, EARS and JTC
- ~ Technical Conference on the WMO Integrated Global Observing System / TECO WIGOS
- ~ 2nd International Steering Committee ISC Meeting

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- We have very active role in domestic activities related to protection of humans life and goods (cooperation with Sector of civil protection, Red Cross), environmental protection (Blue flags project), hydrological issues related to use of hydro power etc.
 - Representatives of HMI of Montenegro will have active role in presidency of Montenegro in three important initiatives: Adriatic-Ionian Initiative, Central European Initiative and SEE Cooperation Process.

*Thank you
for your attention !!!*

