

World Meteorological Organization



Regional Association VI, Forum Hydrology, Koblenz May 8 – 10, 2012

Statements of the national hydrological service of Romania Dr. Mary-Jeanne Adler, Scientific Director NHIWM, mj.adler@hidro.ro



Hydrology Forum Koblenz, May 8-10, 2012

Organization, role and main tasks

- National Institute of Hydrology and Water Management as an independent institution under the authority of the National Administration "Romanian Waters" (according to the Government Ordinance 107/2002 approved by Law no.404/2003) is the only specialized national institute which represents Romania in the field of hydrology, hydrogeology and wateromanagement at a national as well as international level for, providing operational services, studies and research for:
 - protection of people and socio-economic well-being
 - development and improvement of life quality
 - environment protection
- Coordinates 963 river stations, 1050 pluvio, 36 evaporimetric platfors, 3000 wells



Biggest success

IMPLEMENTATION OF THE DESWAT PROJECT – HYDROLOGICAL INFORMATIO SYSTEM FOR MONITORING, DATA PROCESSING AND FORECASTING



DESWAT MONITORING SYSTEM

AUTOMATE HIDRO STATION:

- 605 HIDRO STATIONS - 250 RAIN STATIONS
- 60 QUALITY STATIONS

IN-PUTS FOR THE DESWAT MODELING PLATFORM: -NWS RFS, -FLASH FLOOD GUIDENS, -Distributed model



Biggest failure

Scientific: Integration and dissemination of the hydrological and meteorological data by an Internet platform using a geodatabase

Administrative: not renewing the personnel, capacity decreasing

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Expectations at the national level:

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Flash Flood Guidance Flash Flood Threat for 8.851 small basins of 30km²

Expectations national/ international levels integration: LARGE TRANSBORDER BASINS MONITORING HARMONIZATION AND INTEGRATED FORECAST SYSTEMS DEVELOPMENT

GOOD PRACTICE EXAMPLE: DANUBE FLOODRISK PROJECT – DATA AND METHODS HARMOINZATION FOR FLOOD MAPPING ALONG THE DANUBE

Manual of harmonized requirements on the flood mapping procedures for the Danube River DATA AND METHODS

Jointly for our common future