



World Meteorological Organization
Working together in weather, climate and water

SLOVENSKÝ HYDROMETEOROLOGICKÝ ÚSTAV
SLOVAK HYDROMETEOROLOGICAL INSTITUTE



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Statements of the National
Hydrological Service of Slovak
Republic

Slovak Hydrological Service

- Act No: 201/2009 on The State Hydrological Service and The State meteorological Service (*and other relevant Acts: Water Act, Flood Act, ...*)
- SHMI – responsible authority for performance of The State Hydrological Service and The State Hydrological Network,
- operational activities, research and development on national scale in the areas of monitoring and assessment of water quantity and quality, water balance processing reporting,
- All data (monitored and obtained) is analyzed, evaluated, interpreted, archived, transmitted and presented
- Summary Water Account Evidence, National Register of pollution
- 104 hydrologists (*incl. Operational hydrology – forecasts*)
- Branches: *Bratislava - Centrum, Regional - Banska Bystrica, Kosice, Zilina*
- Departments: *BA - Surface water quantity, Surface water quality, Groudwater, Hydrological Forecast and Warnings, Regional: Hydrological Monitoring and Hydrological Forecast*

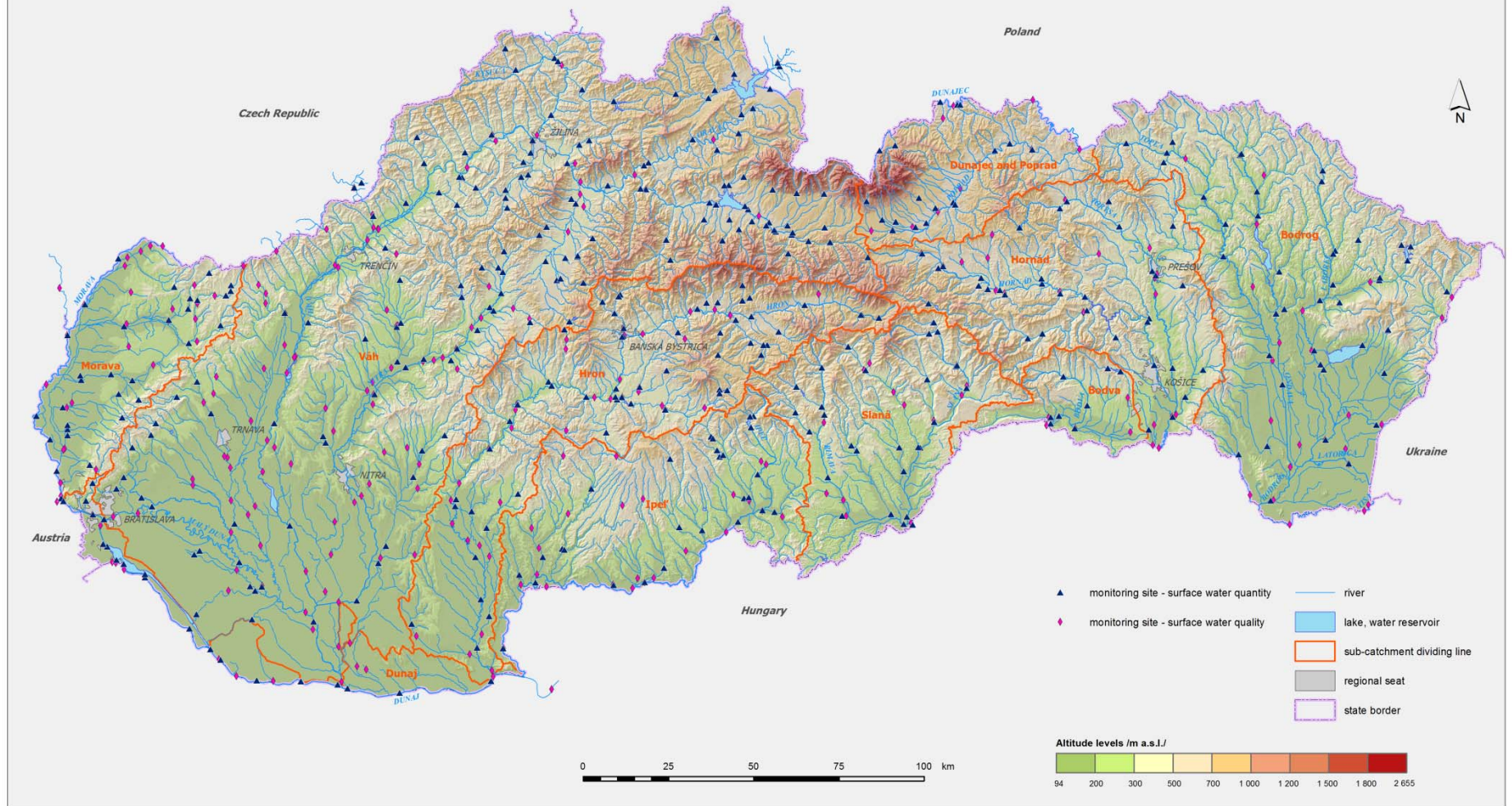
The state Hydrological network

- 49 040 km², 10 main river basins

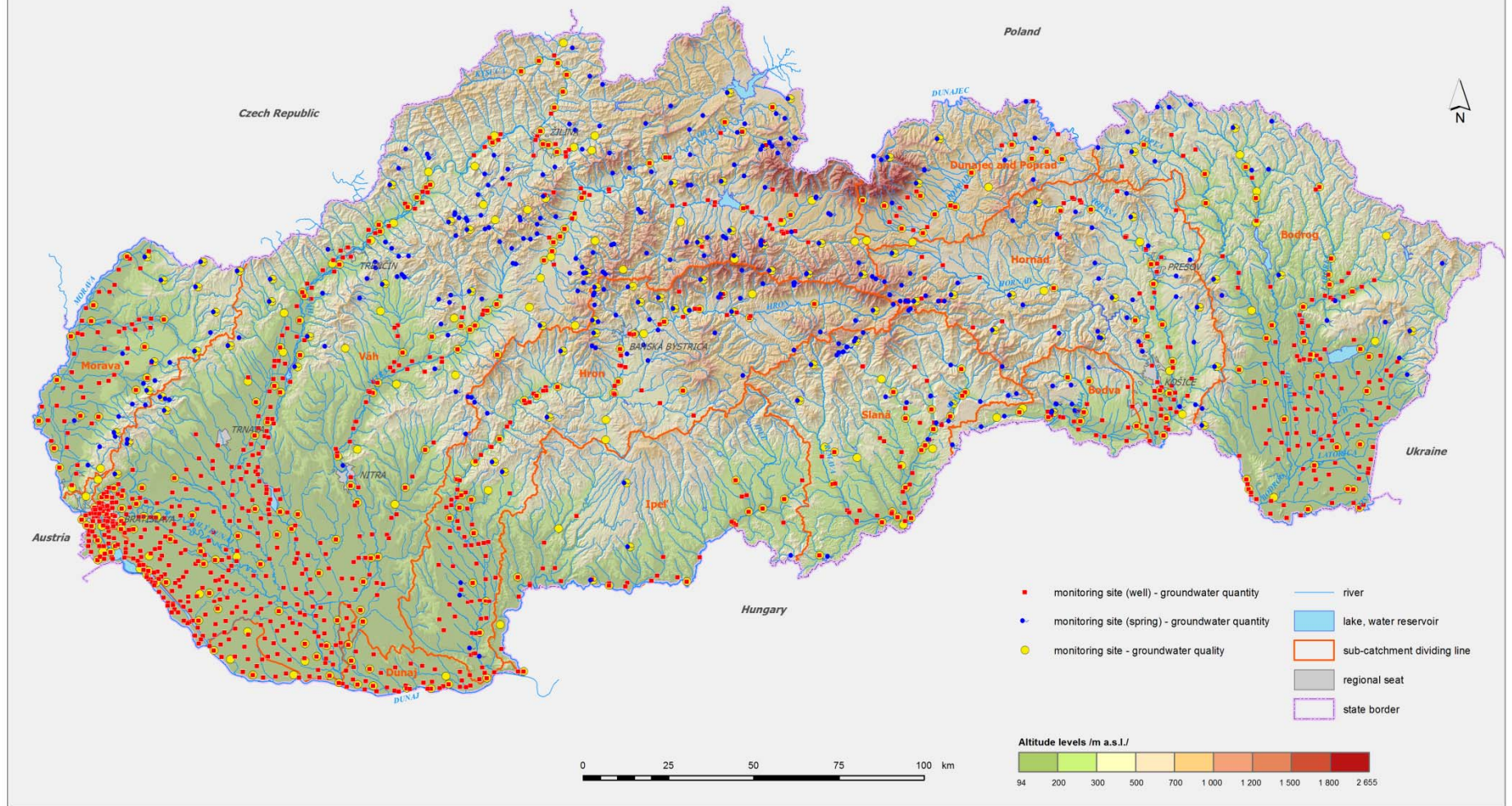
	2007	2008	2009	2010	2011	2012
surface water quantity	413	419	419	419	419	418
groundwater quantity	1500	1497	1499	1499	1496	1496
surface water quality	310	314	314	315	448	508
groundwater quality	547	545	550	593	435	587

STATE HYDROLOGICAL NETWORK IN THE SLOVAK REPUBLIC - year 2010

SURFACE WATER



STATE HYDROLOGICAL NETWORK IN THE SLOVAK REPUBLIC - year 2010 GROUNDWATER



Biggest success

- Act No: 201/2009 on The State Hydrological Service and The State Meteorological Service,
- maintaining the operation and management of required SHN (quantity & quality) at significantly reduced state budget (*above 1700 monitoring points, incl. 8 years of keeping of 240 continual gauging stations*),
- Standardization of hydrological characteristic of reference period 1961-2000,
- establishment a management information database system (Central Water Register) able to perform collection, elaboration and transmission of according legislative regulations valid for water sector,
- EFAS Dissemination, IWAC
- Maintaining the professional and specialized team and their enthusiasm for work,

Biggest failure

- significantly reduced state budget,
- extreme fluctuation and cut-down of staff in last 5 years,
- according the current situation, inability to improve the state of the monitoring network (*Failure to ensure technical reparation and reconstruction of damaged objects of state hydrological monitoring network including equipment and technical background devices upgrade*),

Expectations

At the national level

- Consolidation of public finances in general,
- Unification of views between the Ministry of Environment and SHMI on priority of monitoring activities and importance of monitoring programs towards the national interests and to the requirements of national and international needs,

At the international level

- Realistic view of the European Commission on the requirements of the WFD implementation process, time schedule and expectations with respect to the economic crisis in Europe, clear place and role of SW quantity
- Simplification and unification of measurement and reporting processes under different legislative requirements, ..)
- significant involvement SK NHS in key international projects aimed to evaluate the status of water, incl. Measurements and Climate change impacts.



Thank for your attention

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