



SLOVENIA

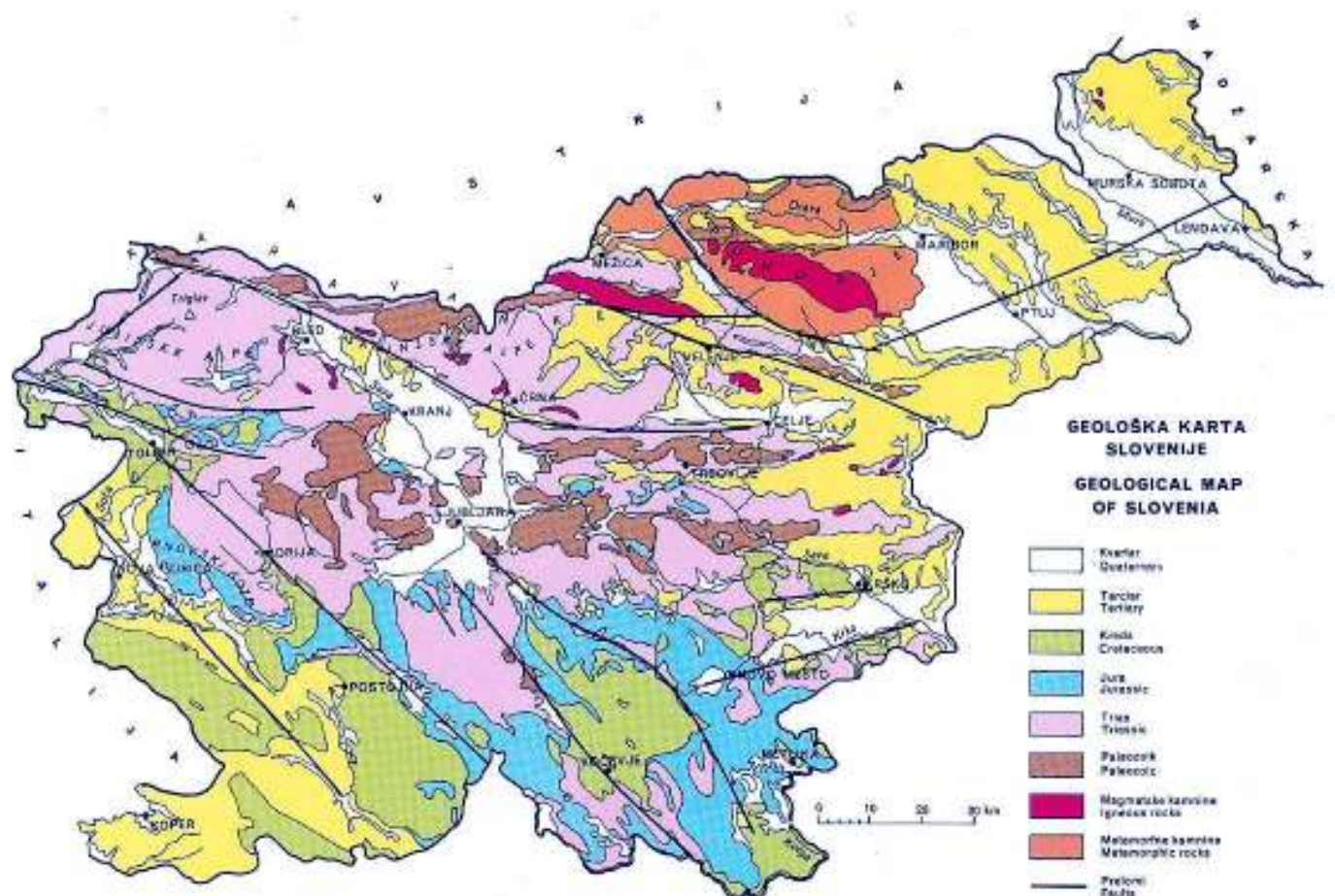
- ***Monitoring networks***
- ***Monitoring data (aquisition, analysis, publication)***
- ***Documentation sources***

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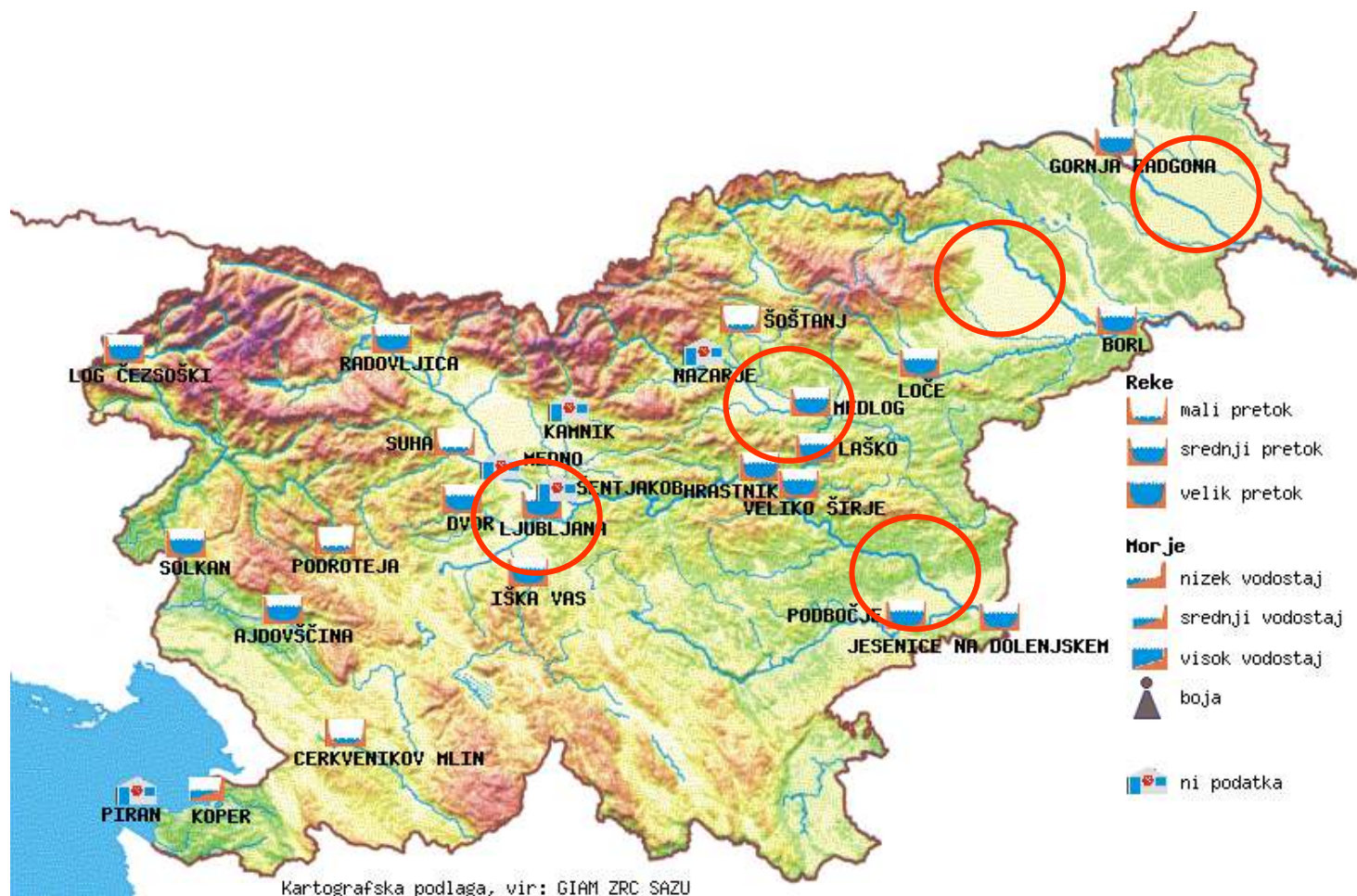
Geological map of Slovenia





State monitoring network

Environmental Agency of the Republic of Slovenia (ARSO)





State monitoring network

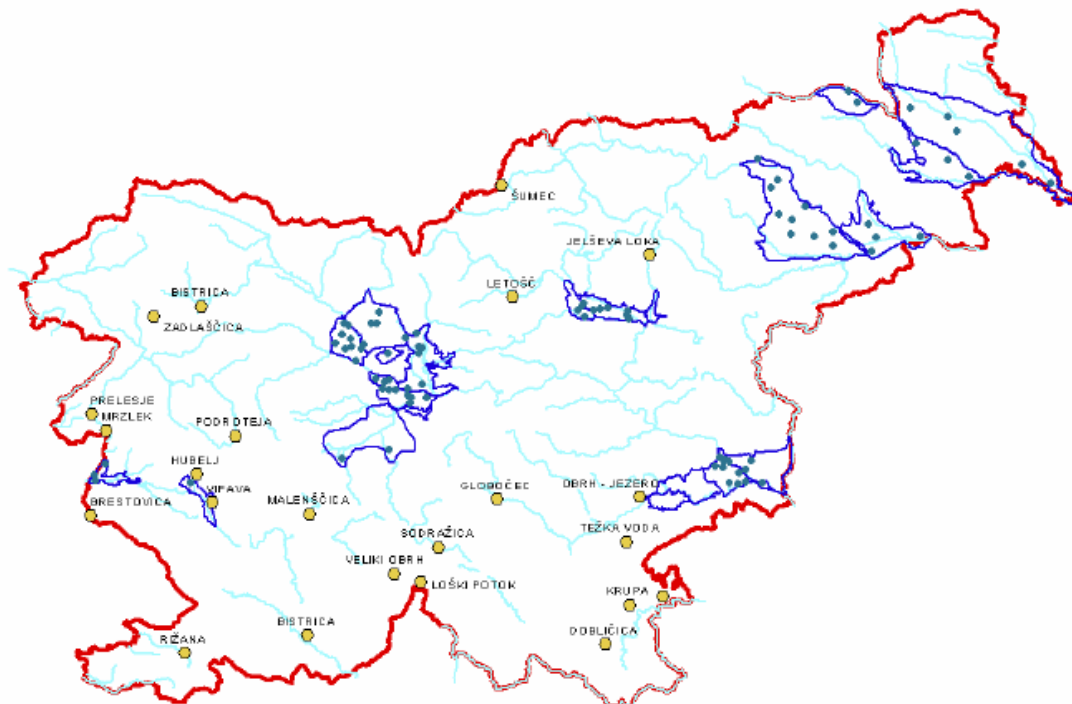
- *Preparation of annual hydrological reports (discharge regimes, groundwater level changes).*
- *Determination of water pollution on the basis of physical, chemical and biological analyses.*
- *Issues warnings of an increased risk of flooding from rivers and sea; declining water levels of surface and groundwater.*
- *Management of databases, records and registers in the area of water quality and quantity.*
- *Performing professional tasks to implement international obligations in accordance with the WFD.*





Groundwater monitoring network – state monitoring network

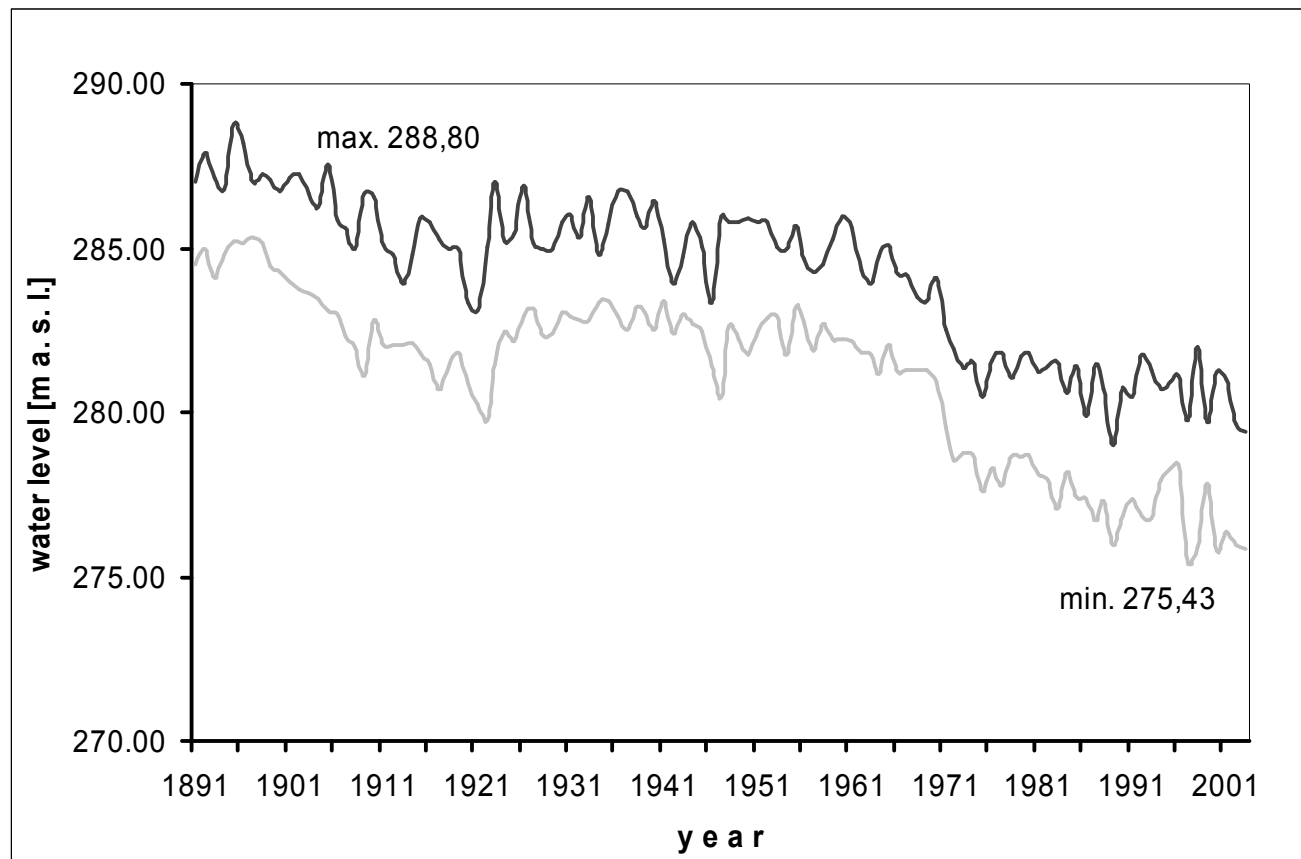
- *18 alluvial aquifers are regularly monitored (89 measuring points), approximately 4 samples/year.*
- *21 measuring points on karst aquifers (mainly springs used for drinking water supply).*





Decreasing levels of groundwater

Minimum and maximum yearly groundwater levels for time period 1891–2003.





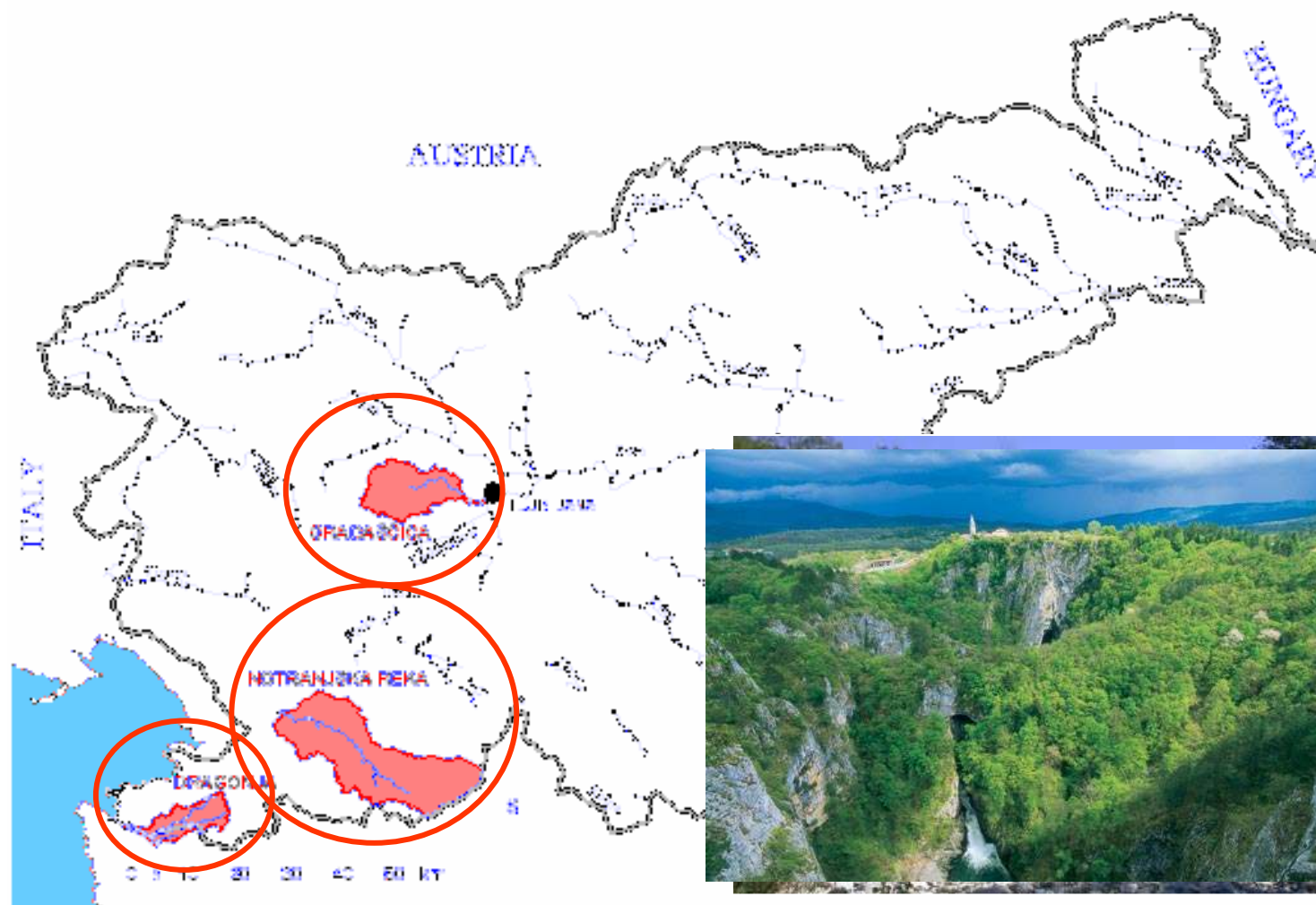
Experimental watersheds

- *Experimental watersheds are critical to the advancement of hydrological sciences.*
- *By setting up three experimental watersheds, Slovenia obtained its ground for further development of the hydrological science.*
- *The experimental watersheds have been equipped with modern measuring equipment for precise measurements of precipitation, intercepted precipitation, discharges, erosion and water quality.*
- *Thus contemporary experimental base was established and used for scientific research and at the same time provided support to the water management, teaching and studying process.*





Experimental watersheds





Documentation sources

- *Environmental Agency of the Republic of Slovenia.
(<http://www.arso.gov.si/en/>)*
- *Institute for Water of the Republic of Slovenia.
(<http://www.izvrs.si/home/en/>)*
- *Chair of Hydrology and Hydraulic Engineering.
(http://ksh.fgg.uni-lj.si/ksh_ang/index.htm)*





Thank you for your attention !

