

Zoltán Hlavatý

Proposal of the joint monitoring at the stretch between Sap and Budapest

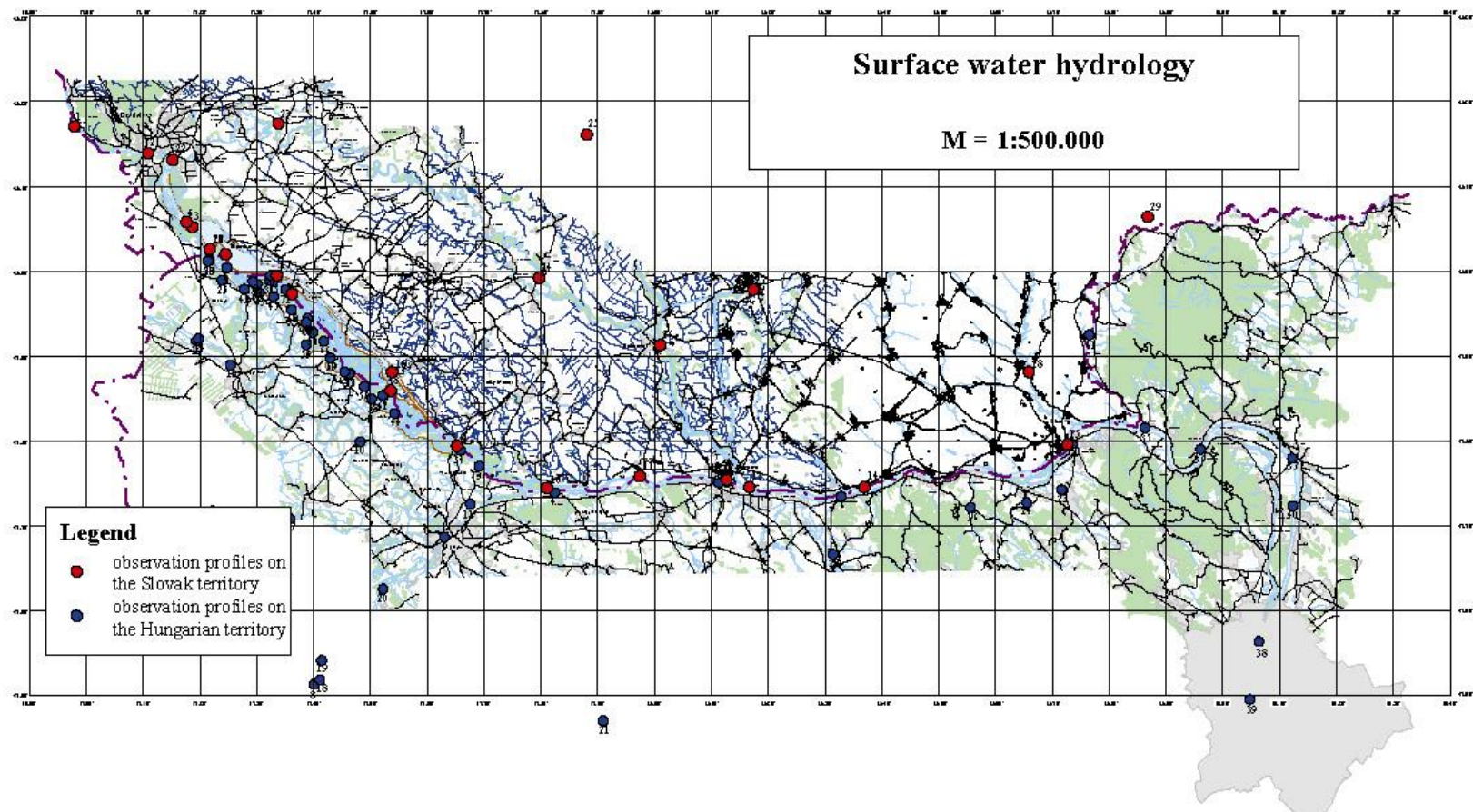
Environmental monitoring:

- importance of the environmental monitoring for any project realisation
- based on the proposal agreed in the frame of Slovak-Hungarian negotiations in 1998
- based on the environmental monitoring performed at the stretch between Bratislava and Sap (Komárno)
- modifications necessary according to the experiences and nowadays practice

- **Structure of the environmental monitoring:**

- surface water levels and discharges
- surface water quality, including riverbed sediments
- ground water levels
- ground water quality
- soils and soil moisture
- forest monitoring
- biological monitoring

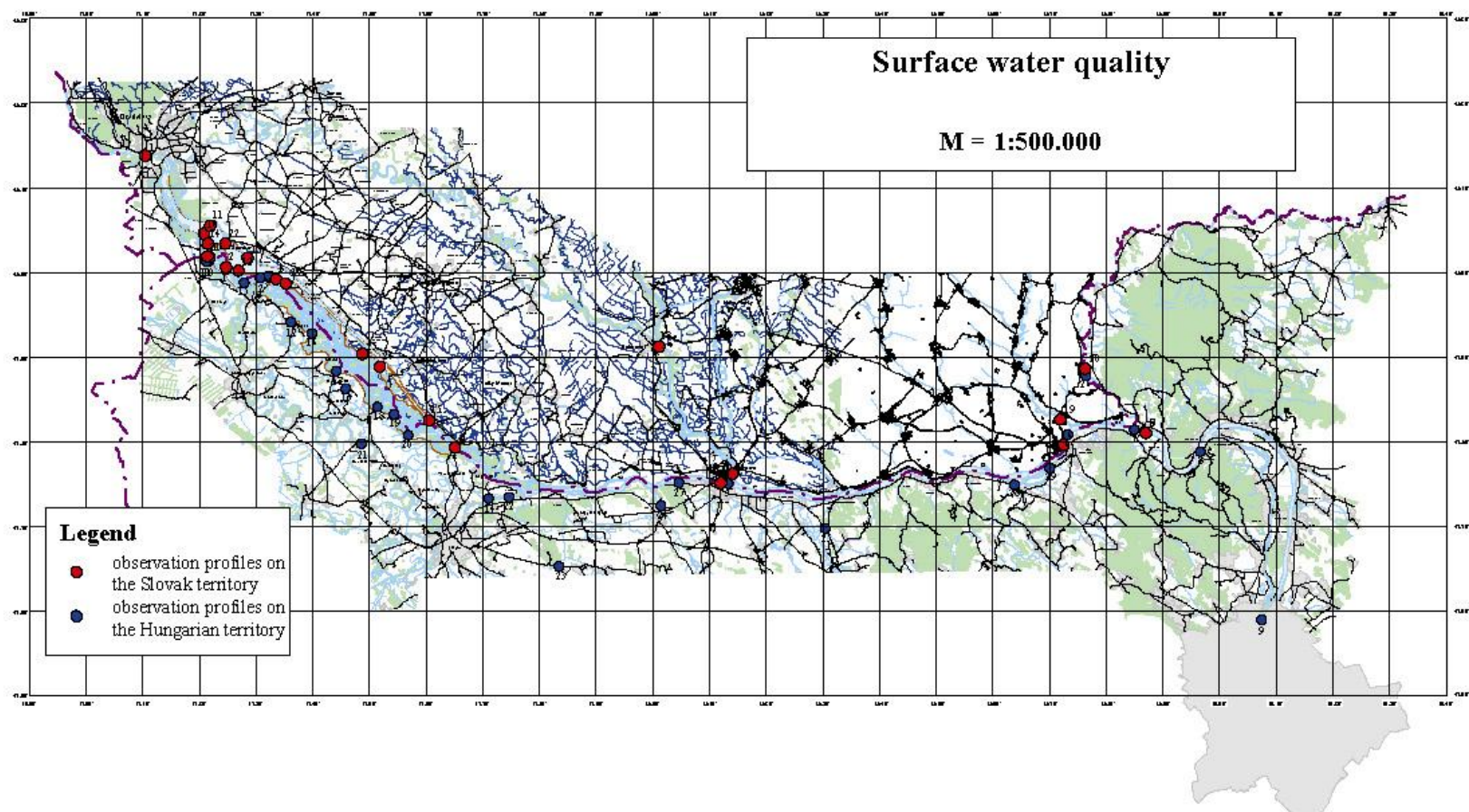
PROPOSAL OF THE JOINT SLOVAK - HUNGARIAN MONITORING ON THE ENVIRONMENT



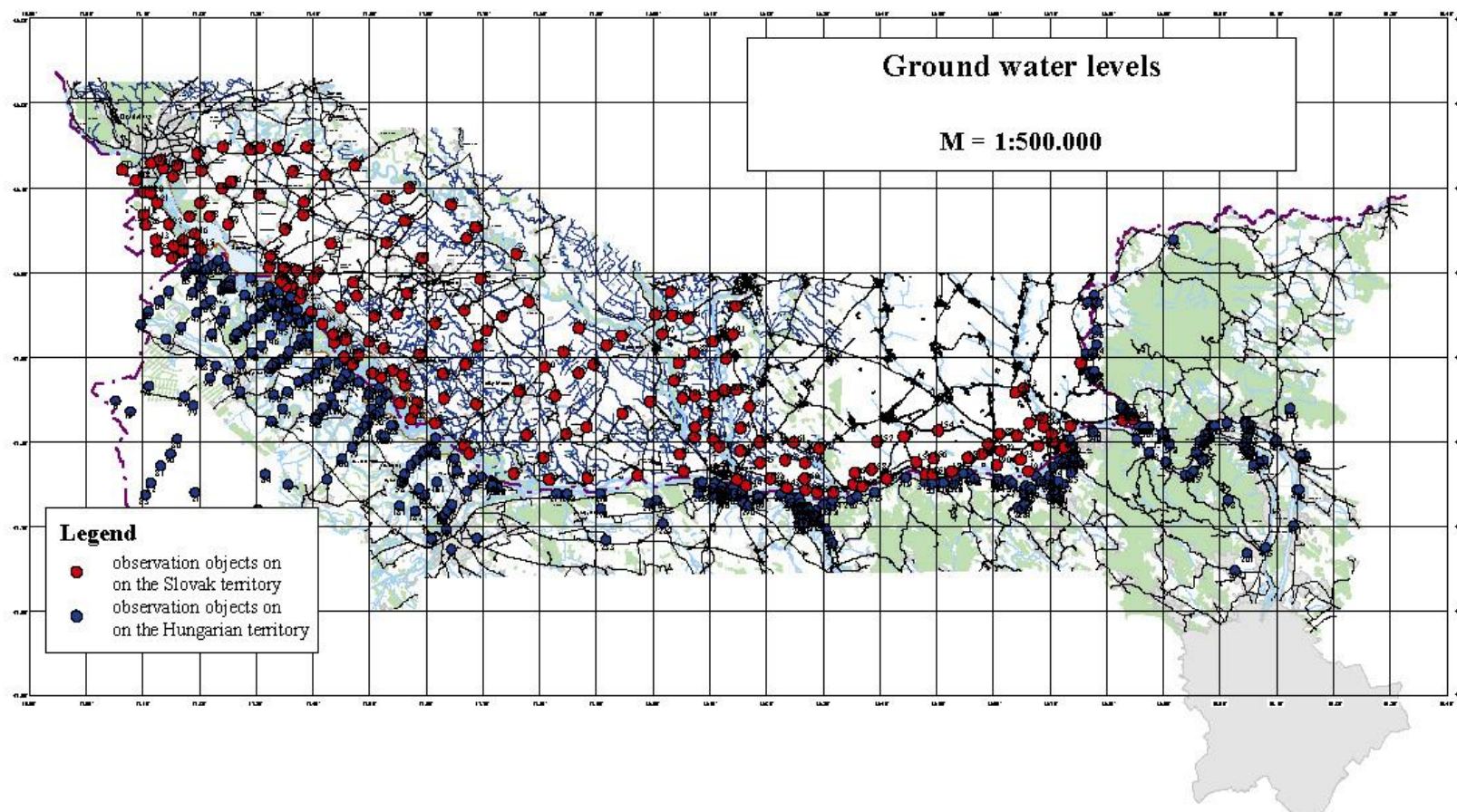
Proposal of the surface water hydrology observation network - Slovak side

Profile No.	SHMÚ No	River	rkm	Locality	Measured parameters				X	Y	Z
					H	Q	T	P			
1250	5127	Dunaj	1879.78	Bratislava - Devín	H _r ,H _{pr}	Q _r ,Q _{pr}	T		1276833.70	582888.41	132.87
1249	5140	Dunaj	1868.75	Bratislava	H _r ,H _{pr}		T	P	1281336.57	573666.20	128.43
1503	5141	Dunaj	1855.90	Rusovce	H _r ,H _{pr}		T		1291540.94	568834.48	123.90
2848	5138	Dunaj - reservoir	1851.75	Čunovo – upstream water level	H _r ,H _{pr}				1290806.13	569572.38	130.00
2552	5139	Dunaj	1851.60	Old river bed		Q			1290806.13	569572.38	-
2545	5149	Dunaj	1850.00	Hamuliakovo	H _r ,H _{pr}				1295502.94	564863.80	120.01
2558	5153	Dunaj	1839.50	Dobrohošť	H _r ,H _{pr}	Q _r ,Q _{pr}	T		1301569.38	556741.42	115.16
1251	5143	Dunaj	1819.25	Gabčíkovo	H _r ,H _{pr}		T		1315447.67	545015.79	110.99
1252	5145	Dunaj	1806.30	Medved'ov	H _r ,H _{pr}	Q _r ,Q _{pr}	T	P	1323466.09	537019.78	108.42
1505	6810	Dunaj	1792.40	Klížská Nema	H _r ,H _{pr}				1330093.82	525641.82	104.65
1506	6830	Dunaj	1779.10	Zlatná na Ostrove	H _r ,H _{pr}				1329623.90	513328.89	103.79
1600	6849	Dunaj	1767.80	Komárno	H _r ,H _{pr}	Q _r ,Q _{pr}	T	P	1331151.00	501957.40	103.69
1507	6860	Dunaj	1763.96	Iža	H _r ,H _{pr}	Q _r ,Q _{pr}	T		1332406.36	499090.52	103.56
2556	6870	Dunaj	1748.25	Radvaň nad Dunajom	H _r ,H _{pr}				1333630.88	483959.86	102.92
1254	6880	Dunaj	1718.60	Štúrovo	H _r ,H _{pr}		T		1330198.34	456796.72	100.96
2851	5157	Mošonský Dunaj	96.00	Čunovo – intake structure	H _r ,H _{pr}	Q _r ,Q _{pr}			1294647.00	566875.50	124.39
3126	5154	Dobrohošťský kanál	1.10	Dobrohošť - intake structure	H _r ,H _{pr}	Q _r ,Q _{pr}			1298896.50	558458.25	120.58
2849		Prívodný kanál		VE Gabčíkovo – upstream water level	H _r ,H _{pr}				1312994.00	544585.00	0.00
2850		Odpadový kanál		VE Gabčíkovo – downstream water level	H _r ,H _{pr}	Q _r ,Q _{pr}			1312994.00	544585.00	0.00
3124		prie sakový kanál		Čunovo – upstream water level	H				1294647.00	566875.50	0.00
3125		prie sakový kanál		Čunovo – downstream water level	H	Q			1294647.00	566875.50	0.00
1653	5150	Malý Dunaj	125.80	Malé Pálenisko	H _r ,H _{pr}	Q _r ,Q _{pr}			1282501.54	570590.10	126.72
1654	5190	Malý Dunaj	107.50	Nová Dedinka	H _r ,H _{pr}	Q _r ,Q _{pr}	T		1279145.00	556329.50	122.64
1655	5280	Malý Dunaj	22.60	Trstice	H _r ,H _{pr}	Q _r ,Q _{pr}	T		1302508.00	524166.00	107.88
1656	6840	Váh	58.50	Šaľa	H _r ,H _{pr}	Q _r ,Q _{pr}	T		1284445.00	516211.50	109.23
2549	6775	Váh	24.50	Kolárovo	H	Q			1312777.89	509175.92	105.91
1456	6772	Nitra	12.30	Nové Zámky	H _r ,H _{pr}	Q _r ,Q _{pr}	T	P	1306611.00	496312.81	108.73
1458	7335	Hron	10.90	Kamenín	H _r ,H _{pr}	Q _r ,Q _{pr}	T	P	1320388.00	461060.60	108.30
1460	7620	Ipeľ	46.00	Vyškovce nad Ipľom	H _r ,H _{pr}	Q _r ,Q _{pr}	T	P	1301302.00	443915.80	117.72

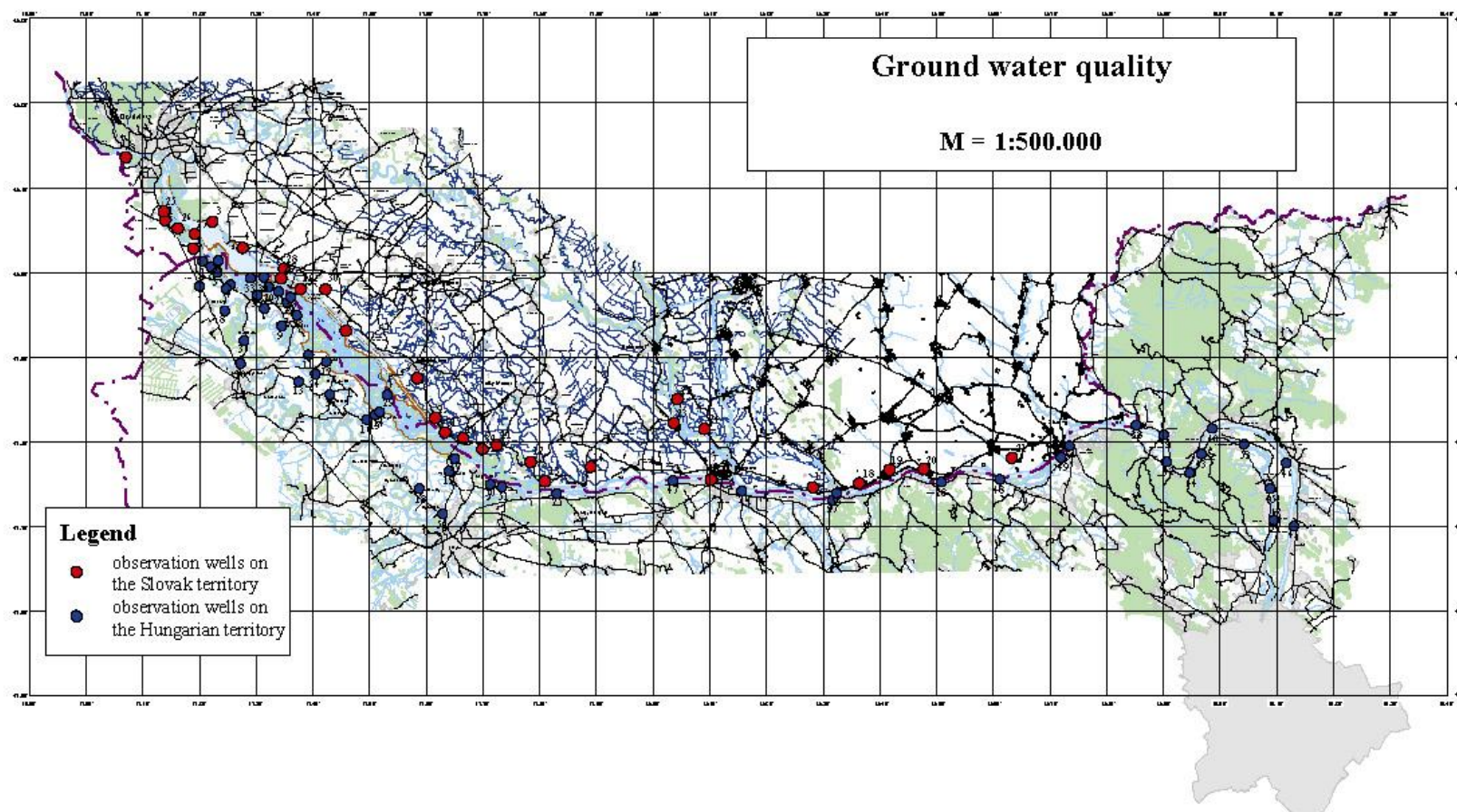
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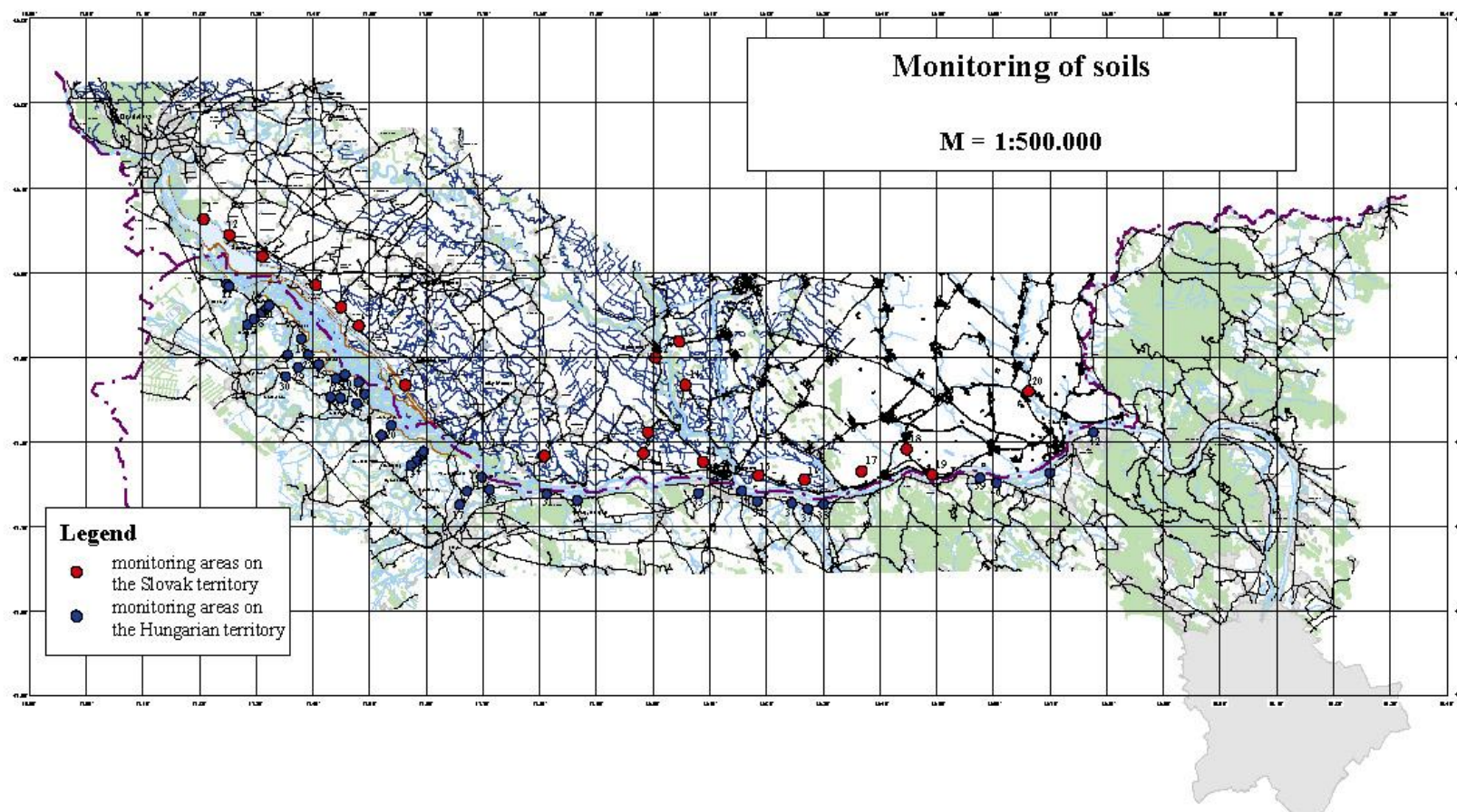
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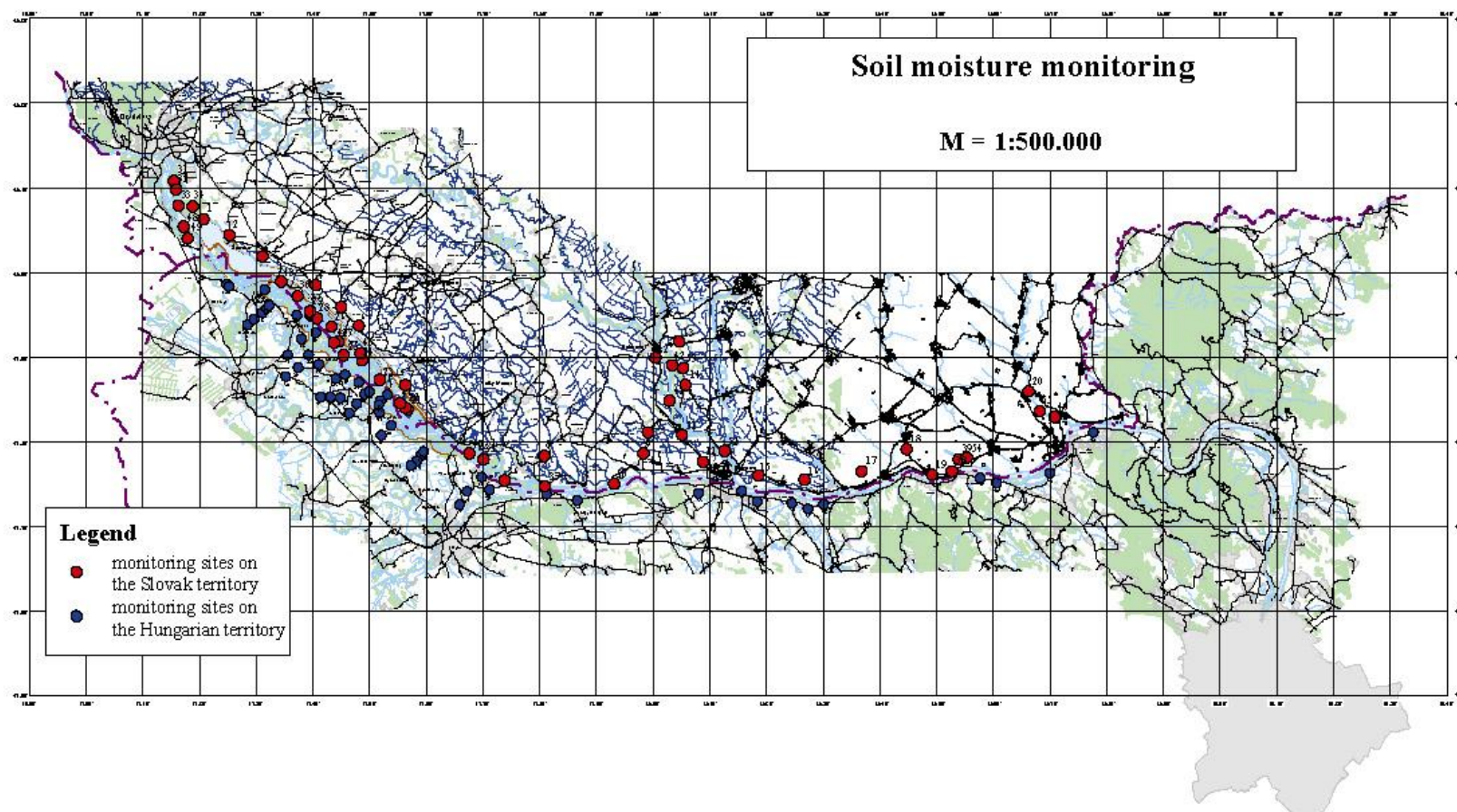
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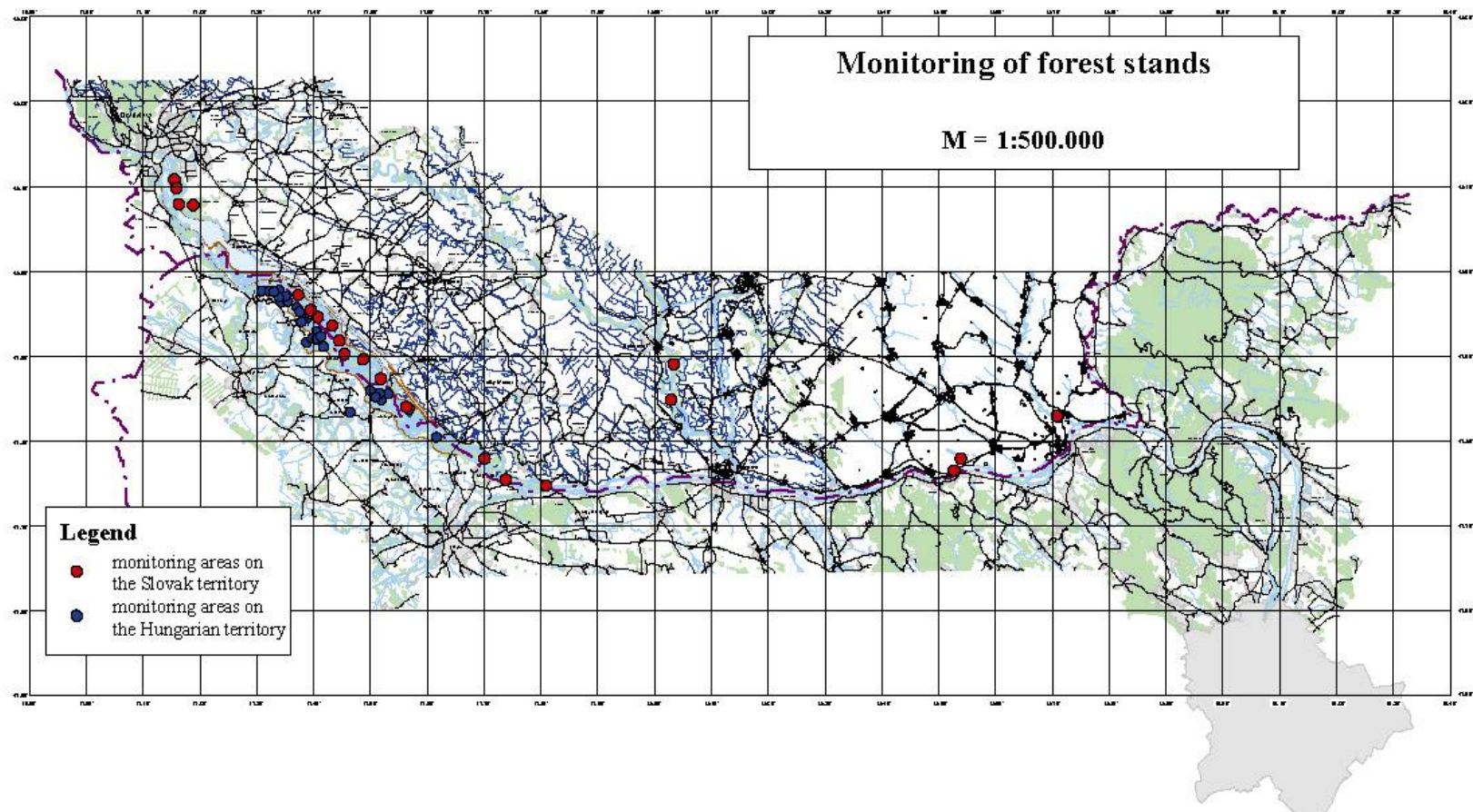
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