

CROATIAN FRESHWATER OLIGOCHAETES:

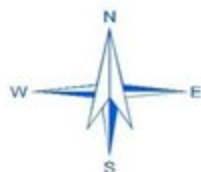
species diversity, distribution and relationship to
surrounding countries

SLATKOVODNI MALOČETINAŠI (OLIGOCHAETA, CLITELLATA) HRVATSKE:

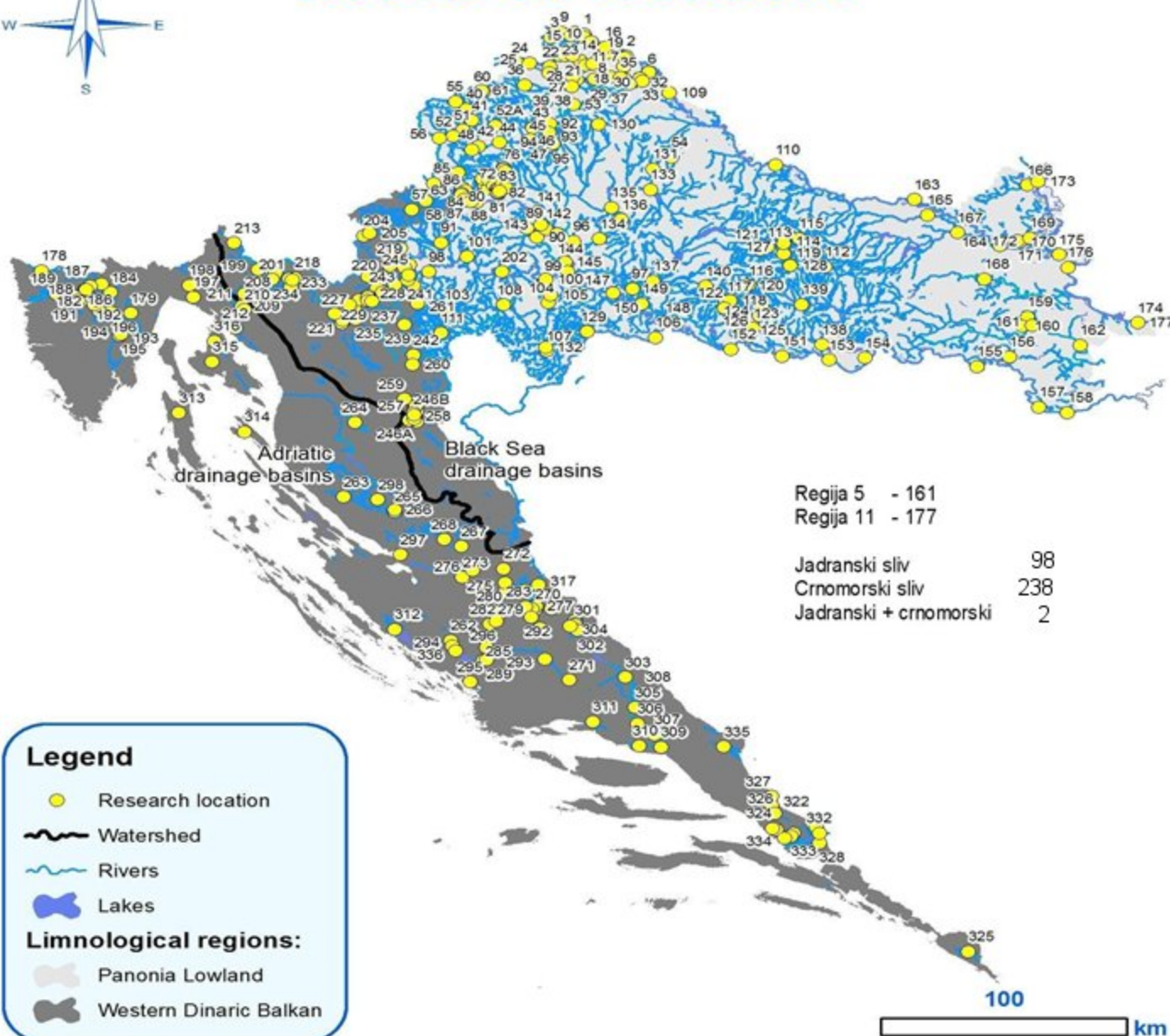
raznolikost vrsta, rasprostranjenost i usporedba sa susjednim državama

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Sveučilišta u Zagrebu**



Research locations

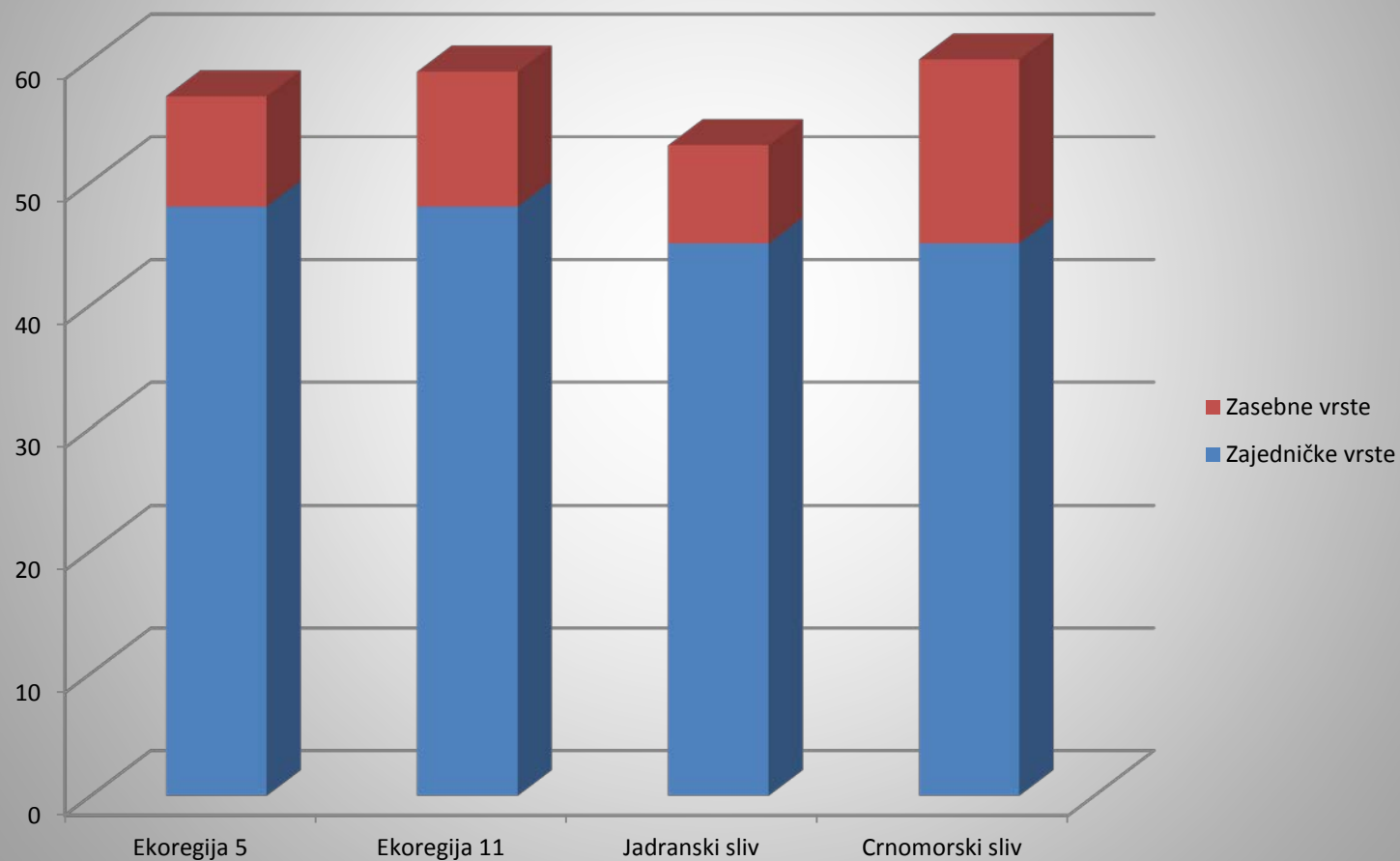


Site ID	Site name	x	y	Ecoregion	Drainage basin	Number of species
1	Mura river; Peklenica	2498246	5150791	11	BS	6
2	Mura river; Goričan	2515595	5140218	11	BS	3
3	Štrigovski potok, stream	2484761	5149067	11	BS	4
4	Brodec stream	2498463	5149327	11	BS	4
5	Bistrec stream I	2514649	5135187	11	BS	10
6	Bistrec stream II	2524164	5131698	11	BS	7
7	Boščak stream I	2504255	5139699	11	BS	8
8	Boščak stream II	2507855	5141747	11	BS	9
9	Gradinščak stream	2488688	5151791	11	BS	4
10	Jalšovec stream	2486072	5151092	11	BS	11
11	Jalšovnica stream	2501162	5147014	11	BS	3
12	Channels by Prelog	2509400	5130128	11	BS	5
13	Kotoribski potok, stream	2524675	5132437	11	BS	6
14	Lateral channels	2496690	5138183	11	BS	7
15	Selnički potok, stream	2494640	5151614	11	BS	9
16	Murščak stream	2506939	5144479	11	BS	7
17	Trnava river I	2499155	5135990	11	BS	5
18	Trnava river II	2501958	5136350	11	BS	6
19	Trnava river III	2514814	5139529	11	BS	6
20	Dragoslavec reservoir	2488333	5140326	11	BS	1
21	Jegersek reservoir	2490852	5140366	11	BS	1
22	Šenkovec reservoir	2493638	5140318	11	BS	2
23	Selnica reservoir	2492912	5150039	11	BS	2
24	Drava river; Ormož	2470826	5137035	11	BS	3
25	Drava river; Reservoir HEPP Varaždin	2476314	5136825	11	BS	26
26	Drava river; Old river channel HEPP Varaždin	2484419	5135323	11	BS	25
27	Drava river; tailrace canal HEPP Varaždin	2484262	5132268	11	BS	22
28	Drava river; reservoir HEPP Čakovec	2495307	5128952	11	BS	28
29	Drava river; tailrace canal HEPP Čakovec	2502797	5129170	11	BS	22
30	Drava river; Old river channel HEPP Čakovec	2505933	5129363	11	BS	25

HABITAT TYPE:	NUMBER OF SITE	NUMBER OF SPECIES
1 – spring	15	23
2 – stream	69	38
3 – river	189	55
4 – lake	21	36
5 – barrage lake outlet (tufa barrier)	3	8
6 – reservoir	18	38
7 – fish pond	1	9
8 – gravel pit	1	29
9 – thermal stream	5	8
10 – hypothermal spring	1	11
11 – old river	6	11
12 – channel (canal)	8	33
13 – cave	1	2
UKUPNO	338	68

Species	Number of site	Ecoregion	Drainage basin	Habitat type	Fauna Europaea 2013	Published data 1981-2014	New records
Haplotaxidae							
<i>Haplotaxis gordioides</i> (Hartmann, 1821)	28	5, 11	BS,A	1-4,10	x		
Lumbriculidae							
<i>Lumbriculus variegatus</i> (Müller, 1774)	89	5, 11	BS,A	1-4,6,7,9-12	x		
<i>Rhynchelmis limosella</i> Hoffmeister, 1843	21	5, 11	BS,A	3,4,12	x		
<i>Stylodrilus heringianus</i> Claparède, 1862	124	5, 11	BS,A	1-6,12	x		
<i>Stylodrilus lemani</i> (Grube, 1879)	2	5	A	1	x		
<i>Stylodrilus parvus</i> Hrabě & Černosvitov, 1927)	7	5, 11	BS,A	3	x		
Lumbricidae							
<i>Eiseniella tetraedra</i> (Savigny, 1826)	136	5, 11	BS,A	1-6,9,10,12	x		
Number of species Σ 68					45	13	10

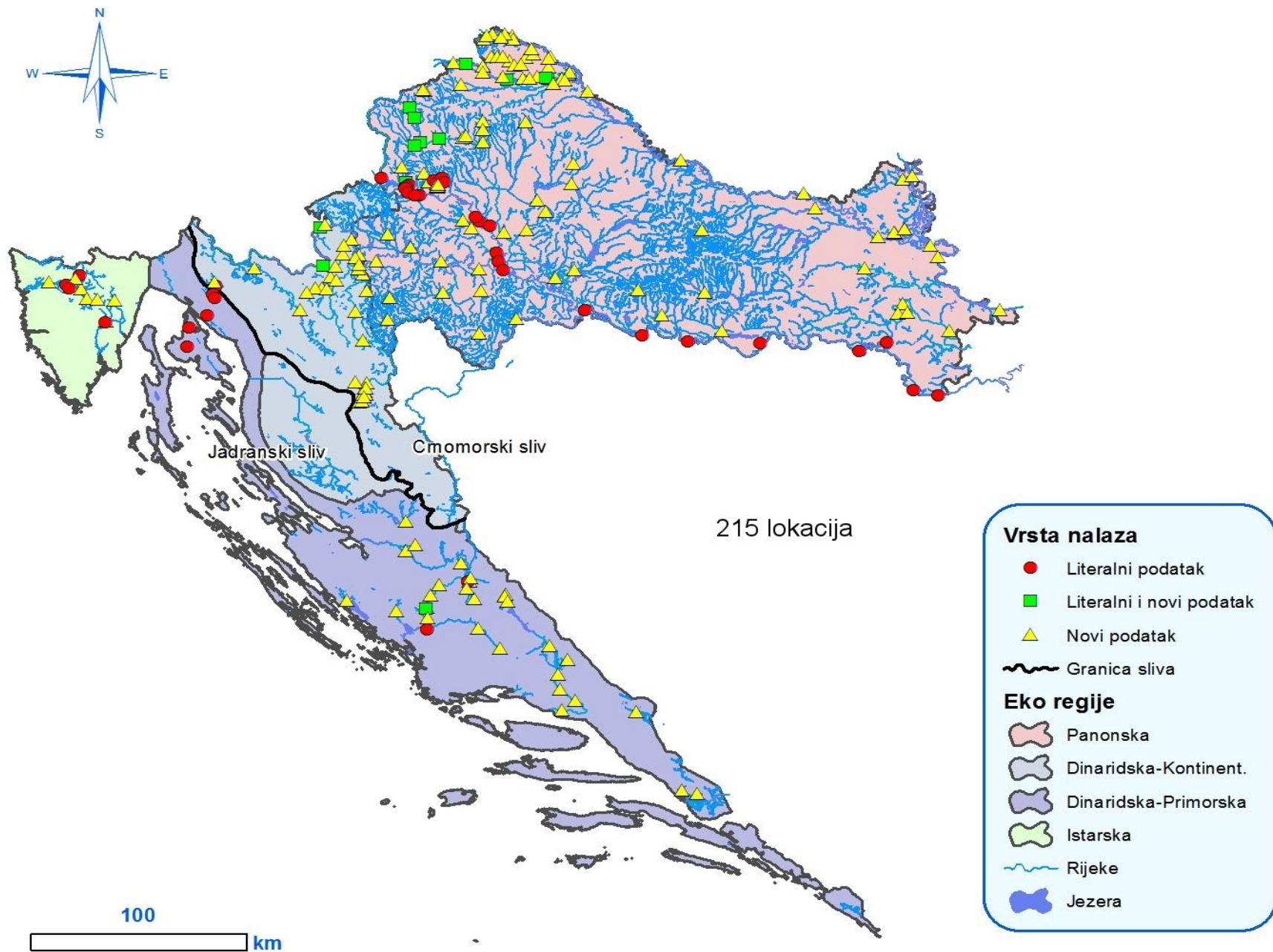
BROJ ZAJEDNIČKIH I ZASEBNIH VRSTA PO EKOREGIJAMA I SLIVOVIMA



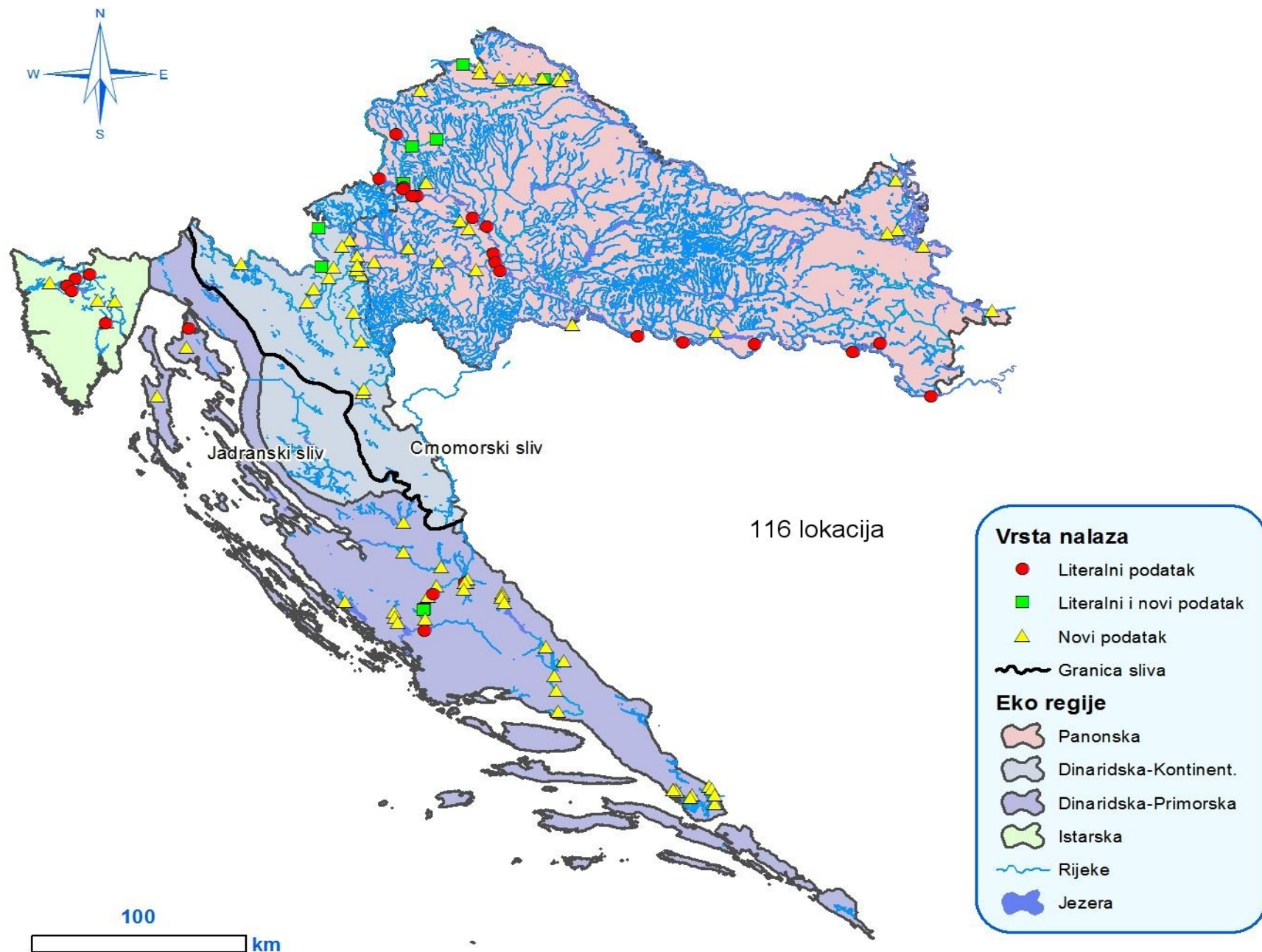
VRSTE UTVRĐENE SAMO NA JEDNOJ LOKACIJI

	Ekoregija	Lokacija
• <i>Amphichaeta leydigi</i> Tauber, 1879	11	84 - Jarun, Zagreb
• <i>Chaetogaster cristallinus</i> Vejdovský, 1884	11	85 - Sava - Drenje/Jesenice
• <i>Chaetogaster setosus</i> Svetlov, 1925	11	85 - Sava - Drenje/Jesenice
• <i>Haemonais waldvogeli</i> Bretscher, 1900	11	91 - Crna Mlaka
• <i>Piguetiella blanci</i> (Piguet, 1906)	5	243 - Mrežnica, Zvečaj
• <i>Vejdovskyella comata</i> (Vejdovský, 1884)	11	30 - Drava, b. m. Čakovec
• <i>Aulodrilus limnobius</i> Bretscher, 1899	5	182 - Grdoselski potok
• <i>Limnodrilus profundicola</i> (Verrill, 1871)	11	99 - Kupa - Brest
• <i>Rhyacodrilus punctatus</i> Hrabě, 1931	5	266 - Lika - Medak
• <i>Tubifex costatus</i> (Claparède, 1863)	5	323 - Desanka
• <i>Tubifex nerthus</i> Michaelsen, 1908	11	52A - Sutinske toplice

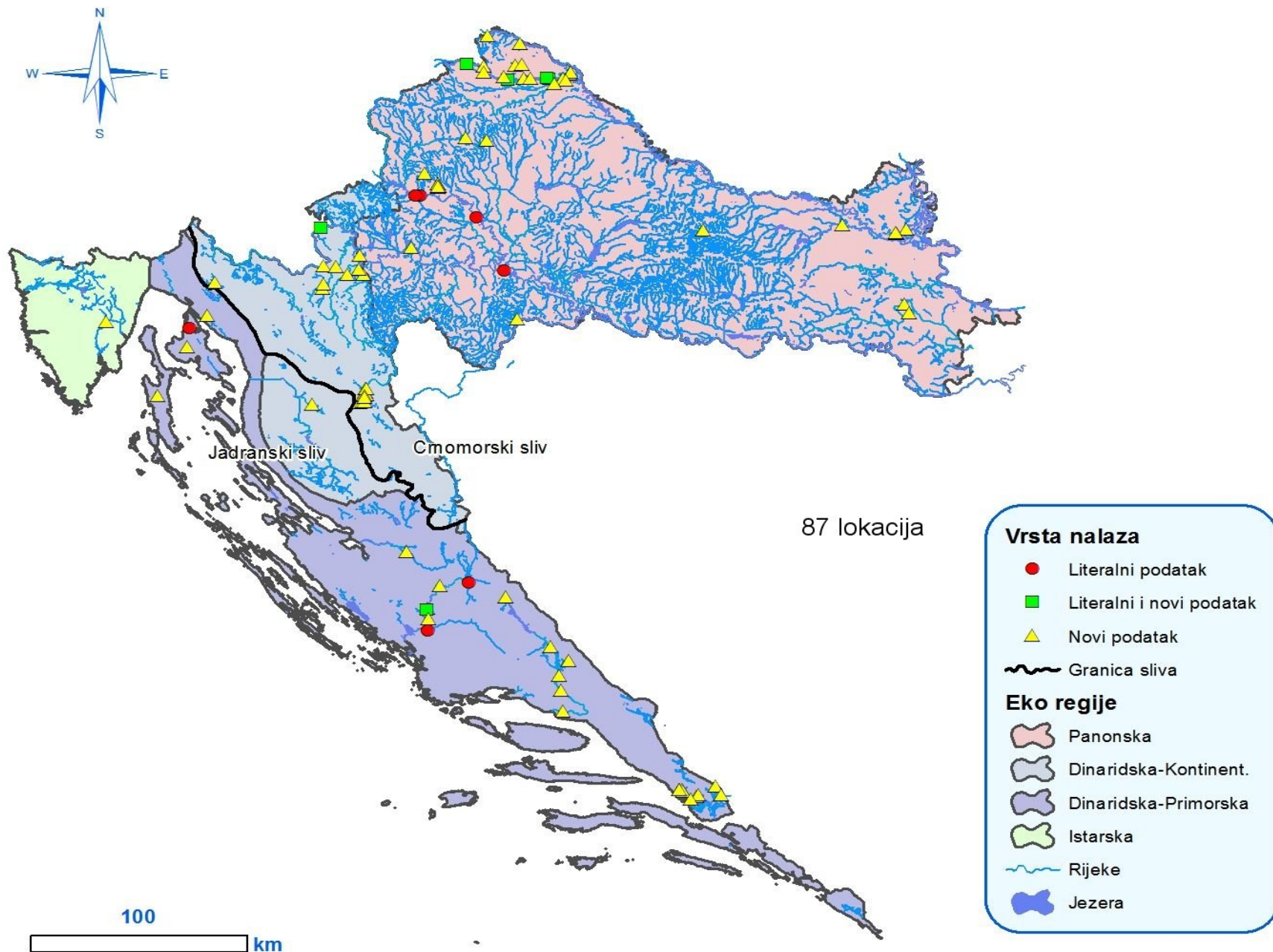
Limnodrilus hoffmeisteri Claparede



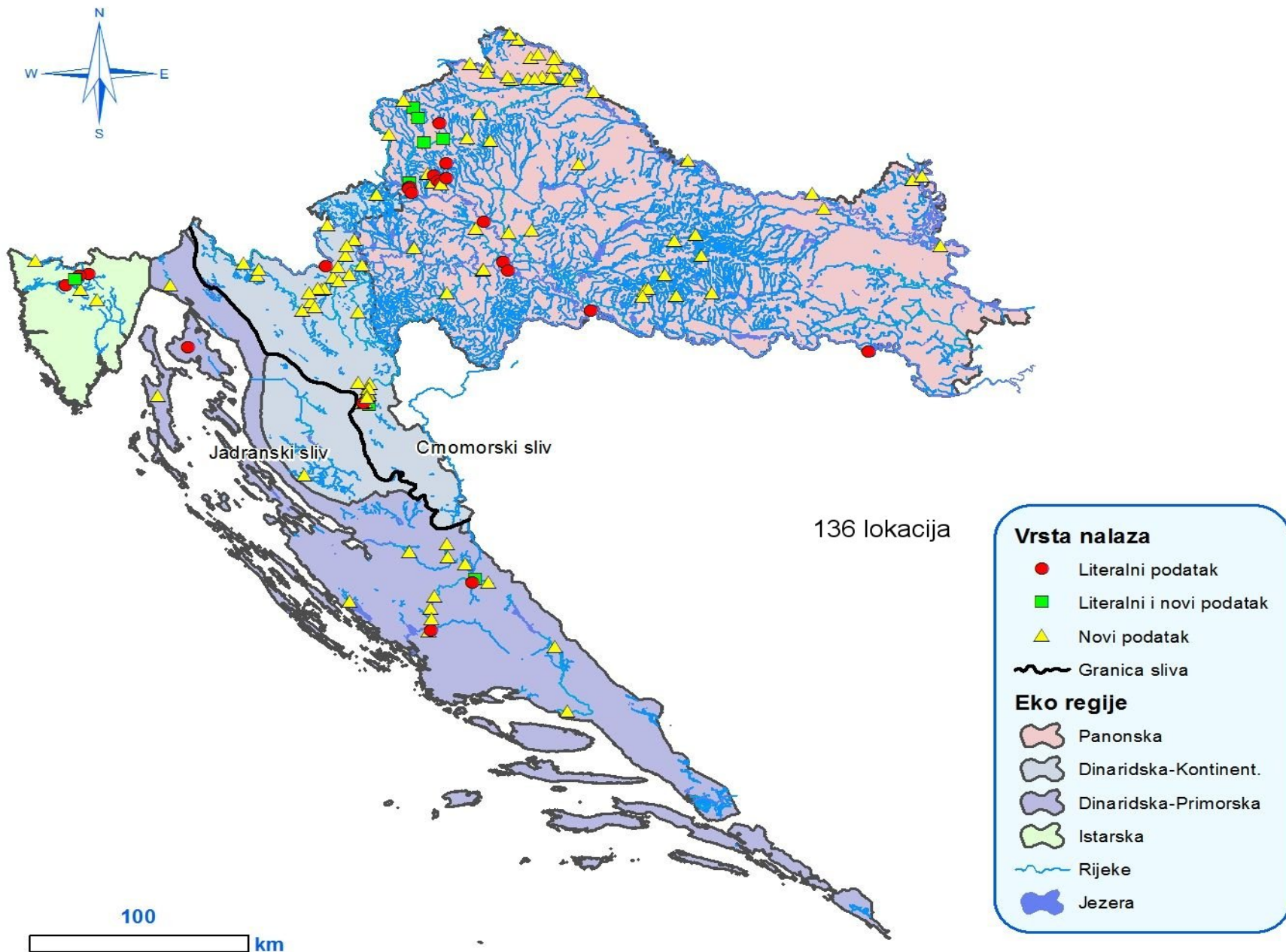
Psammoryctides barbatus



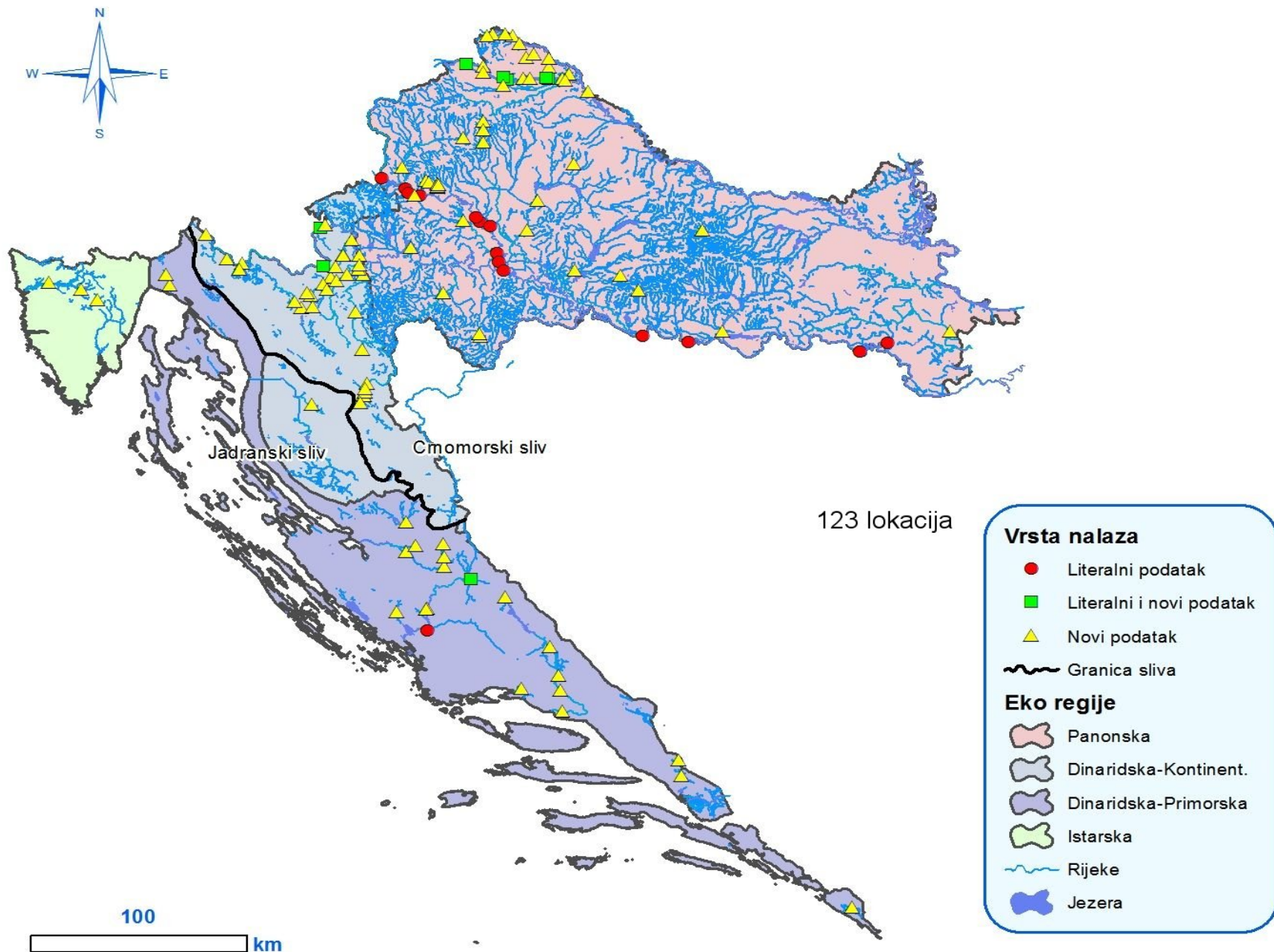
Potamothrix hammoniensis



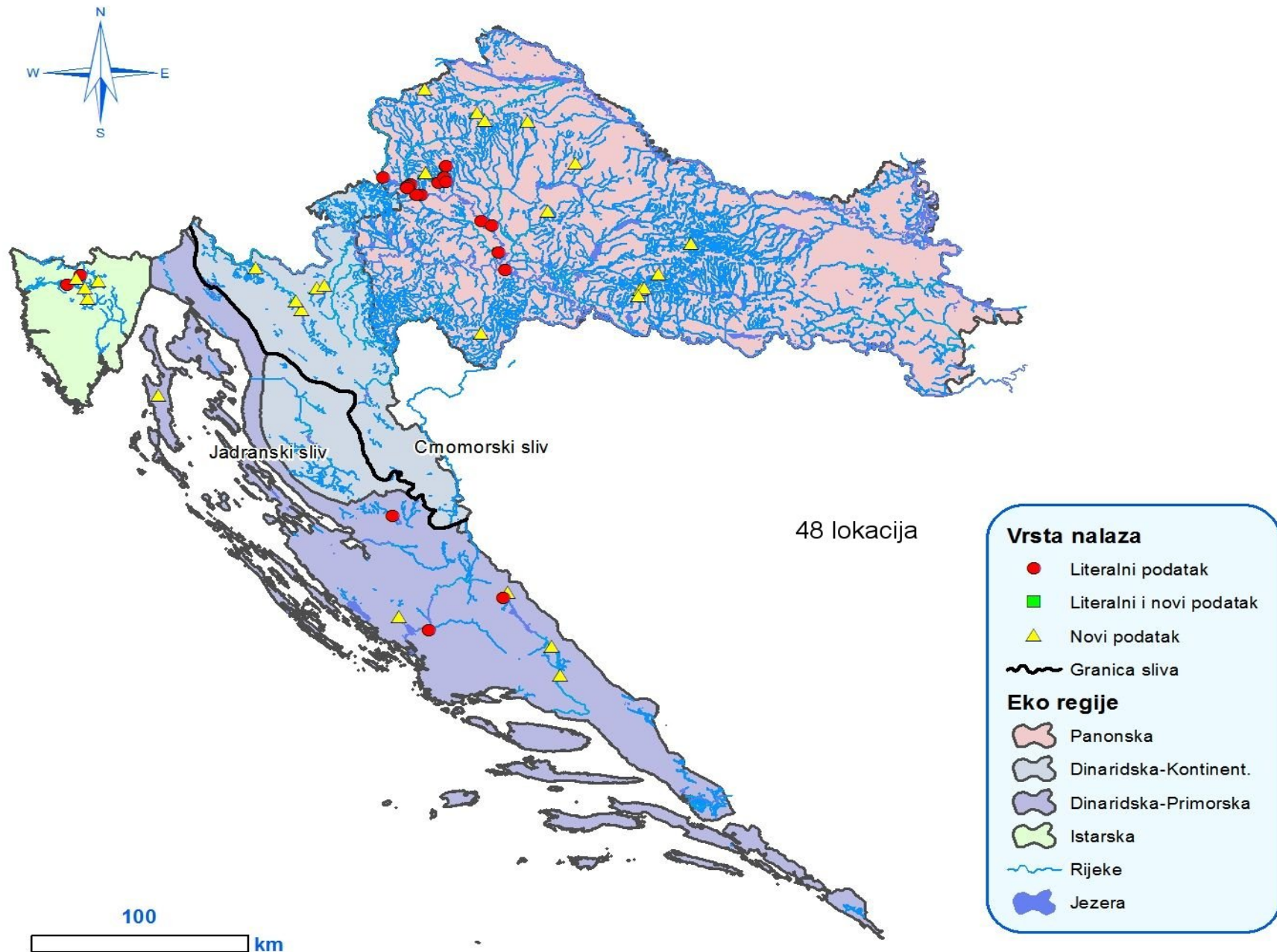
Eiseniella tetraedra



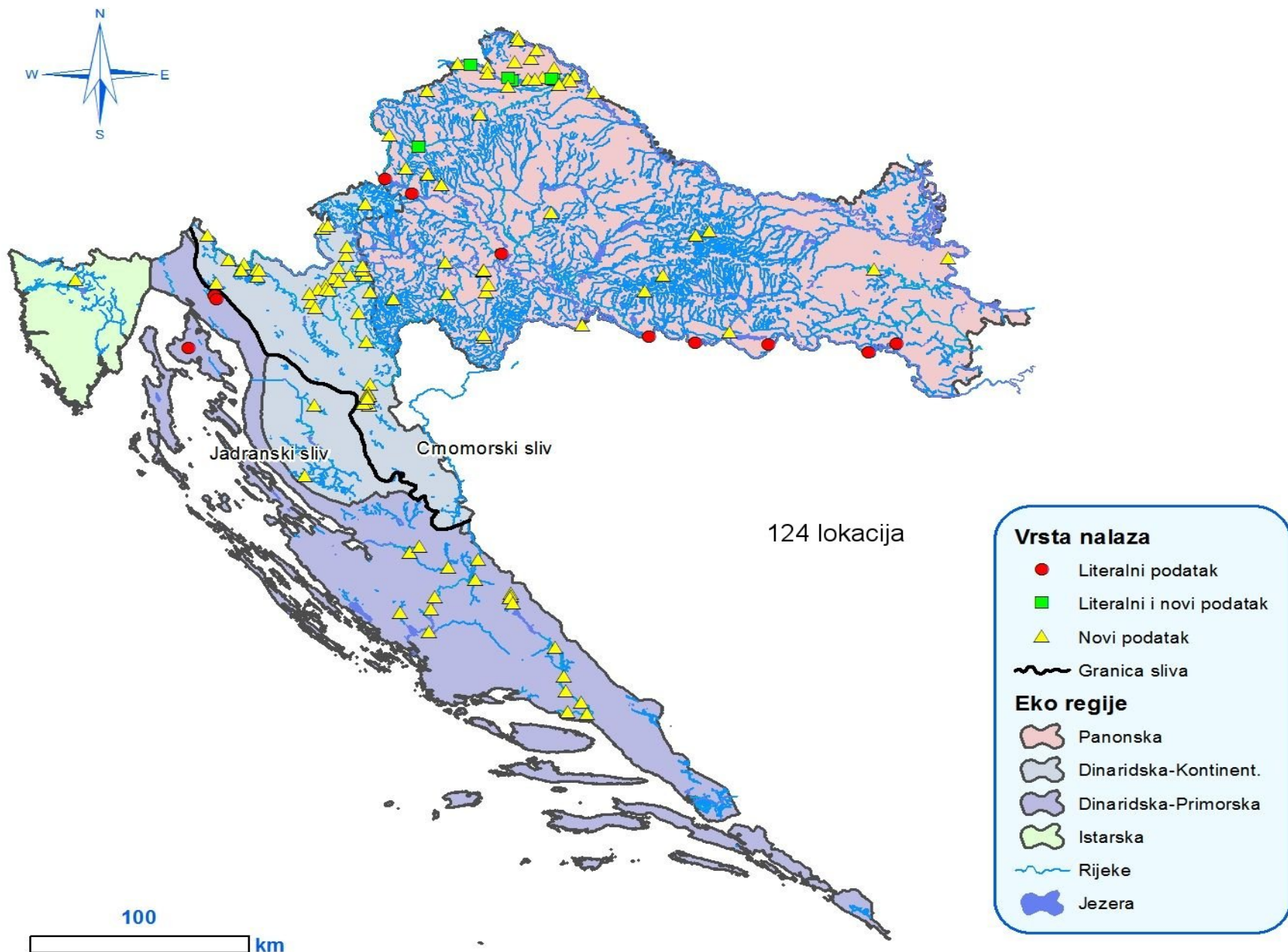
Nais bretscheri Michaelsen



Pristina rosea

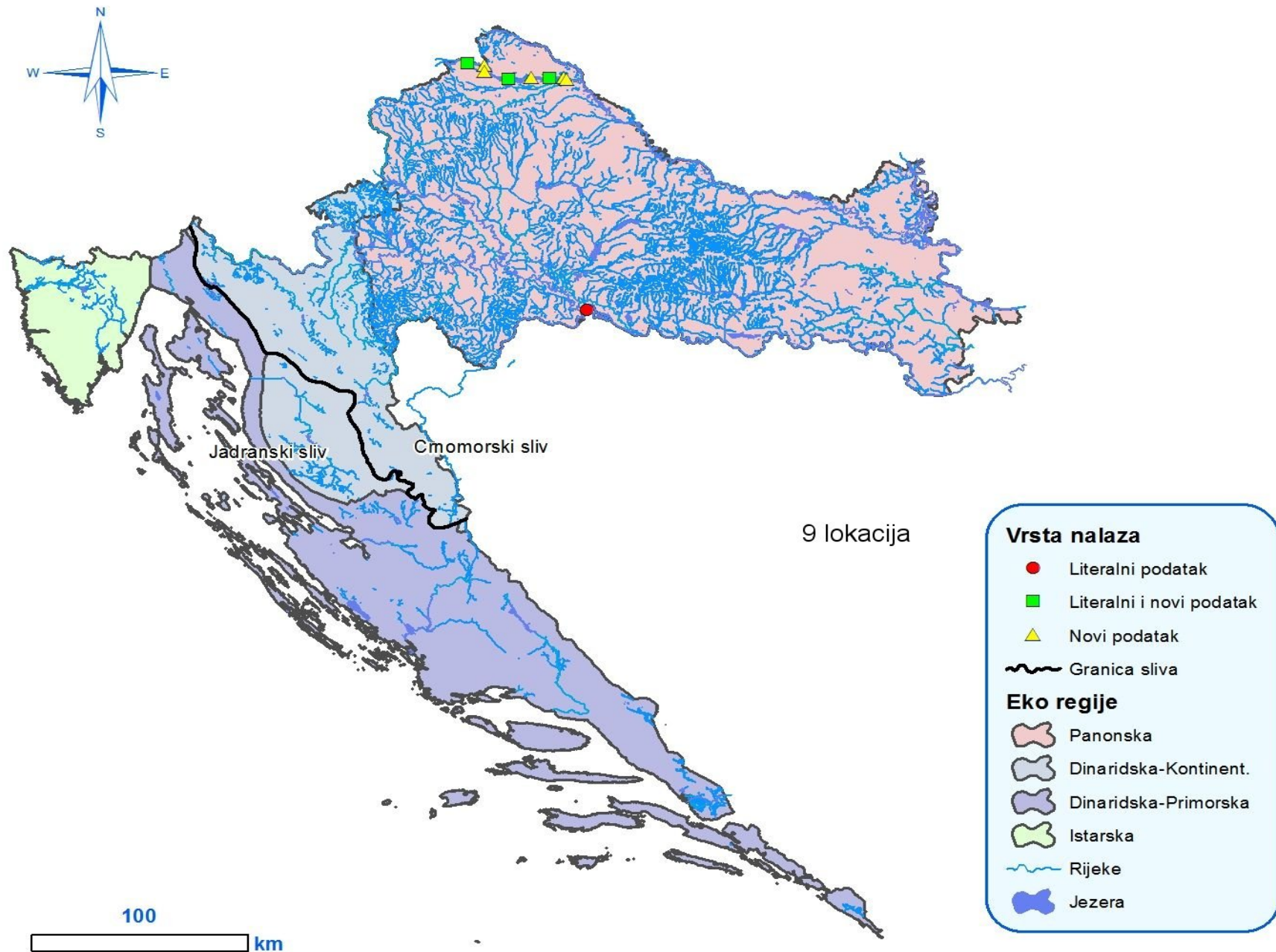


Stylodrilus heringianus Claparede

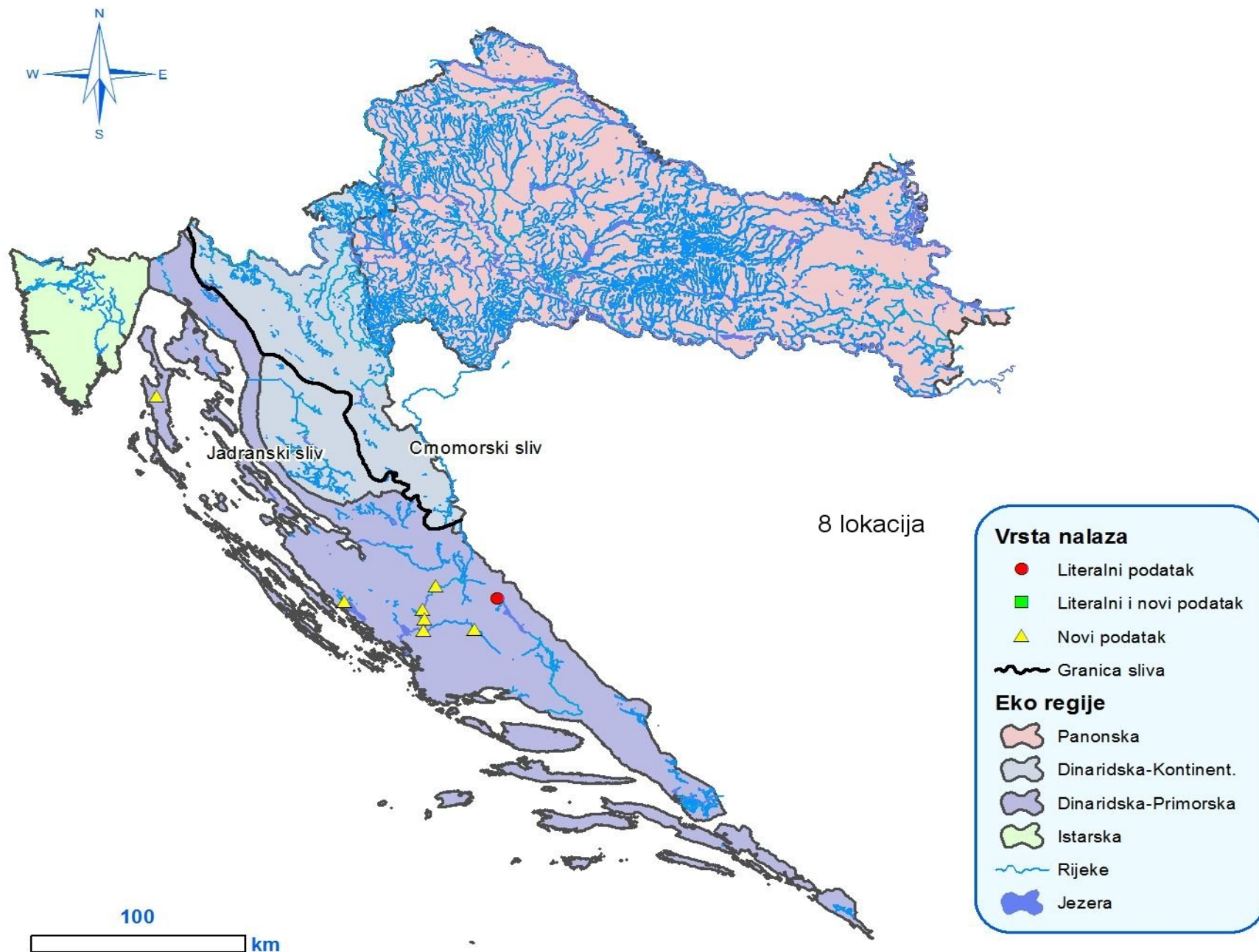




Uncinais uncinata

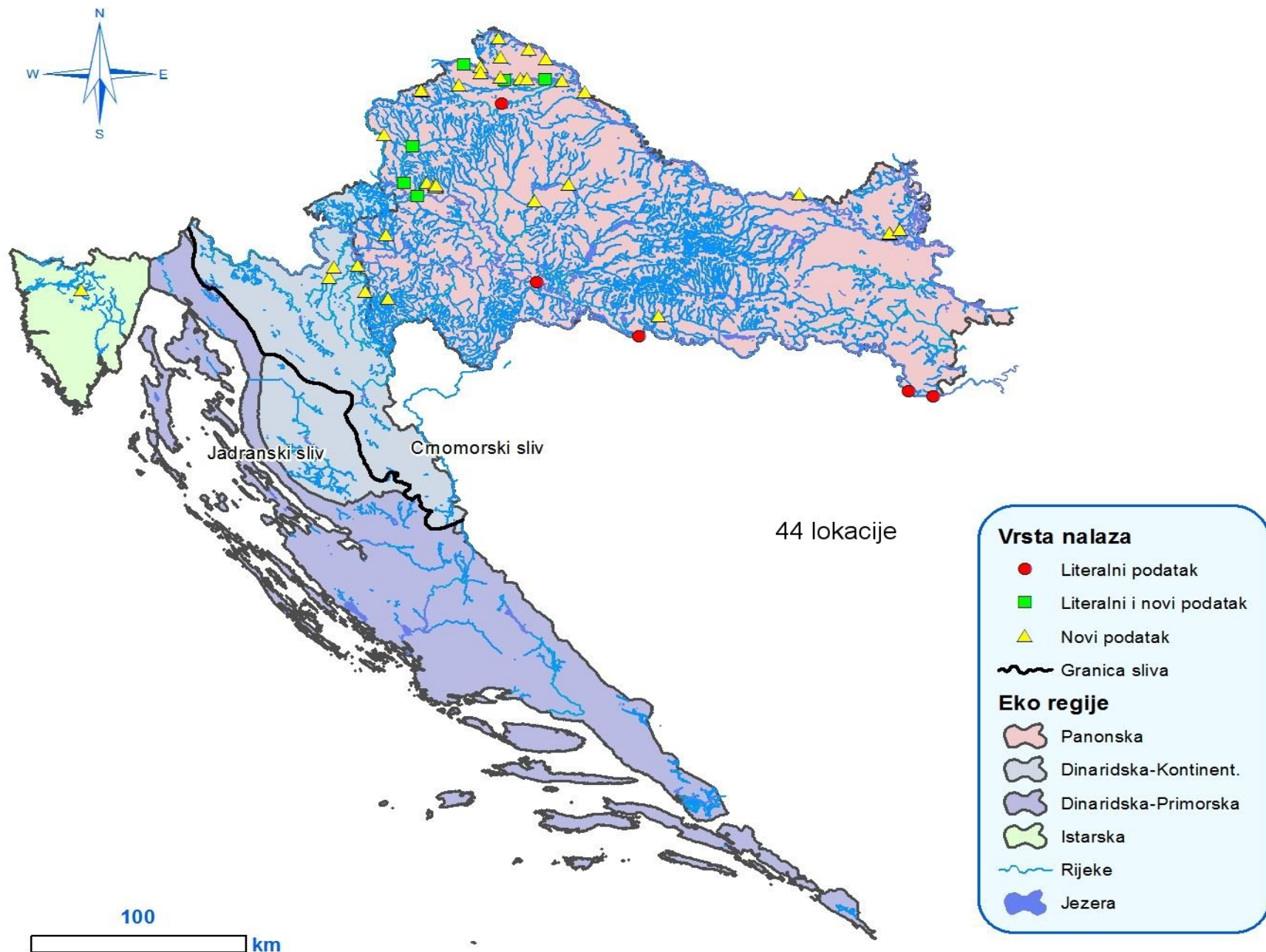


Potamothrix heuscheri





Branchiura sowerbyi Beddard

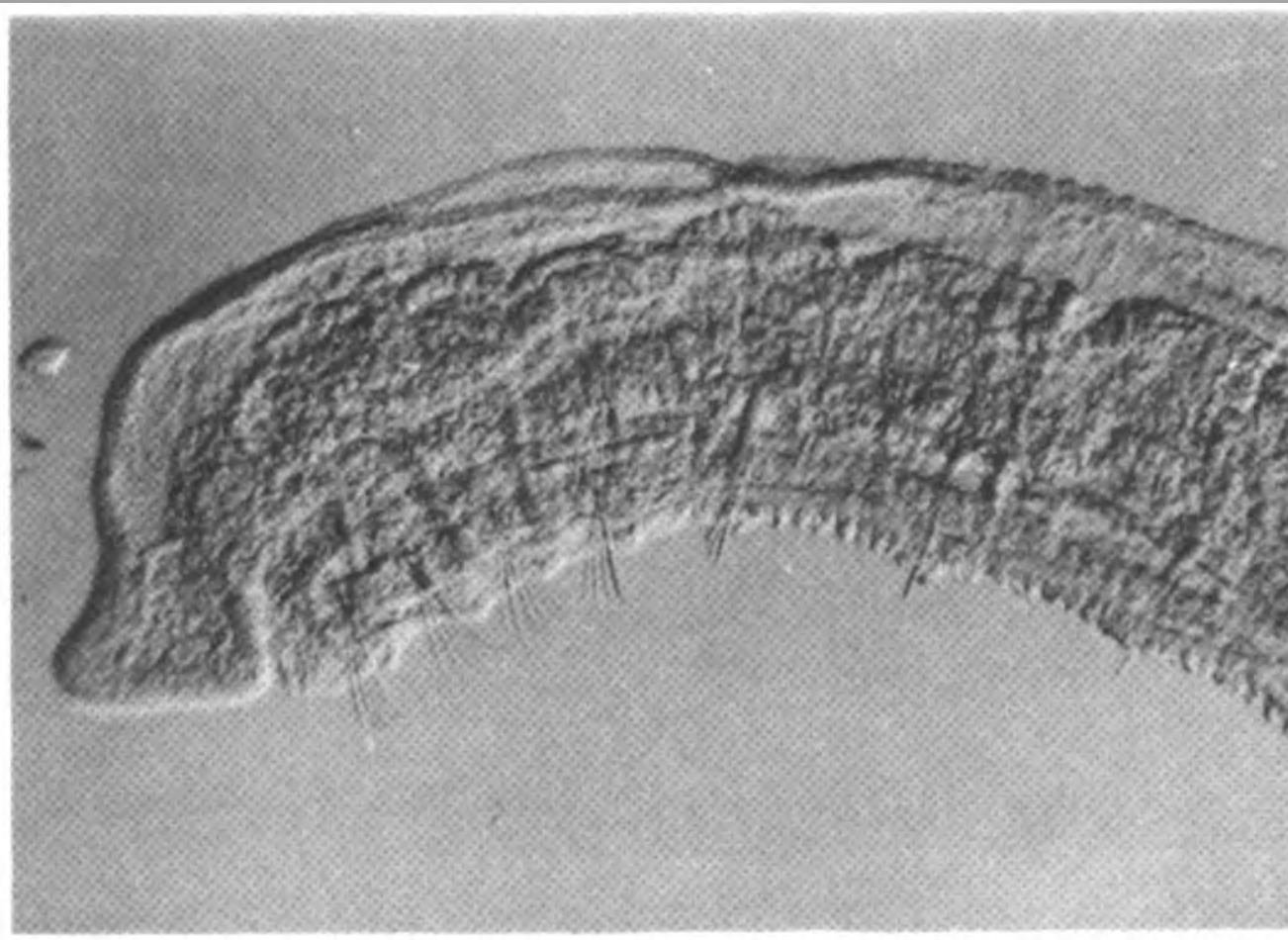


Comparisio of Croatian Oligochaeta assemblage with surrounding countries

Family/Countries	CR	MN	BH	H	A	SL
Naididae	32	27	21	32	30	22
Pristinidae	5	9	4	2	4	3
Tubificidae	23	24	21	28	22	26
Propappidae	1	1	1	1	1	0
Lumbriculidae	5	7	8	4	8	12
Haplotaxidae	1	1	1	0	1	2
Lumbricidae	1	1	1	1	1	1
Nuber of species	68	70	57	68	67	66

Sorensen Indeks of Similarity between Oligochaeta assemblage with surrounding countries in relation to Croatia

	CR	MN	BH	H	A	SL
CR	0					
MN	72,5	0				
BH	78	70,9	0			
H	77,9	69,6	76,8	0		
A	77	70	75,8	75,6	0	
SL	67,2	58,8	61,8	55,2	60,2	0



HVALA NA PAŽNJI !!!!