

RivFISH Maps – Presence of freshwater fish species in European river basins

(version 1.2)

The logo for RivFish, featuring the word "RivFish" in a stylized, blue, sans-serif font. The "Riv" part is more compact and blocky, while "Fish" is more fluid.The logo for Dammed Fish, featuring the words "Dammed" and "Fish" in a red, sans-serif font. A stylized orange fish icon is integrated into the letter "d" of "Dammed".

Project Dammed Fish: Impact of Structural and Functional River Network Connectivity Losses on Fish Biodiversity – Optimizing Management Solutions
(Grant number: PTDC/CTA-AMB/4086/2021, DOI: 10.54499/PTDC/CTA-AMB/4086/2021)

Description:

This project deliverable presents the updated presence maps (as of February 2025), in European river basins, of 667 native freshwater-dependent fish species (resident and obligatory migrants, represented by the classes Actinopterygii and Petromyzontidae). The Ural and Caucasus Mountains were defined as the geographical boundaries for Europe, including Turkey (delimited on the south by the Orontes river basin), to account for diadromous species (that migrate between fresh waters and sea) that also occur in European river basins draining to the Mediterranean, Black and Caspian seas.

Each map was produced based on the recently published RivFISH database (see “Database citation” below), which aggregates the available data on 667 freshwater-dependent fish species in Europe, validated at the river basin level and considering taxonomical synonyms for species names. The delimitation of the river basins is based on the Catchment Characterisation and Modelling (CCM2) – River and Catchment Database v2.1 (Jager & Vogt, 2007).

Jager, A. d., & Vogt, J. (2007). Rivers and Catchments of Europe - Catchment Characterisation Model (CCM). 121-144. European Commission, Joint Research Centre (JRC), [Dataset] PID: <http://data.europa.eu/89h/fe1878e8-7541-4c66-8453-afdae7469221>.

Usage notes:

The RivFISH database was built to deal with future alterations in species taxonomy, as well as new records of species occurrence in river basins. The database, published in Zenodo (<https://doi.org/10.5281/zenodo.13848976>), was recently updated (v.1.2), in February 2025. New species occurrence records in river basins, as well as necessary corrections to existing records, will be updated in Zenodo as required. The species maps included in this report were produced based on the RivFISH database v1.2, which should be cited as indicated below (“Database citation”). The consulted data sources for validating species presence in river basins can be found in the tables “Species basins” and “References” of the RivFISH database.

Funding:

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Database citation:

Mameri, D., Duarte, G., Cabo, J., Figueira, R., Segurado, P., Santos, J. M., Ferreira, M. T., & Branco, P. (2025). RivFISH - An European database on fish species presence across river basins (1.2) [Data set]. Zenodo. <https://doi.org/10.5281/zenodo.13848976>

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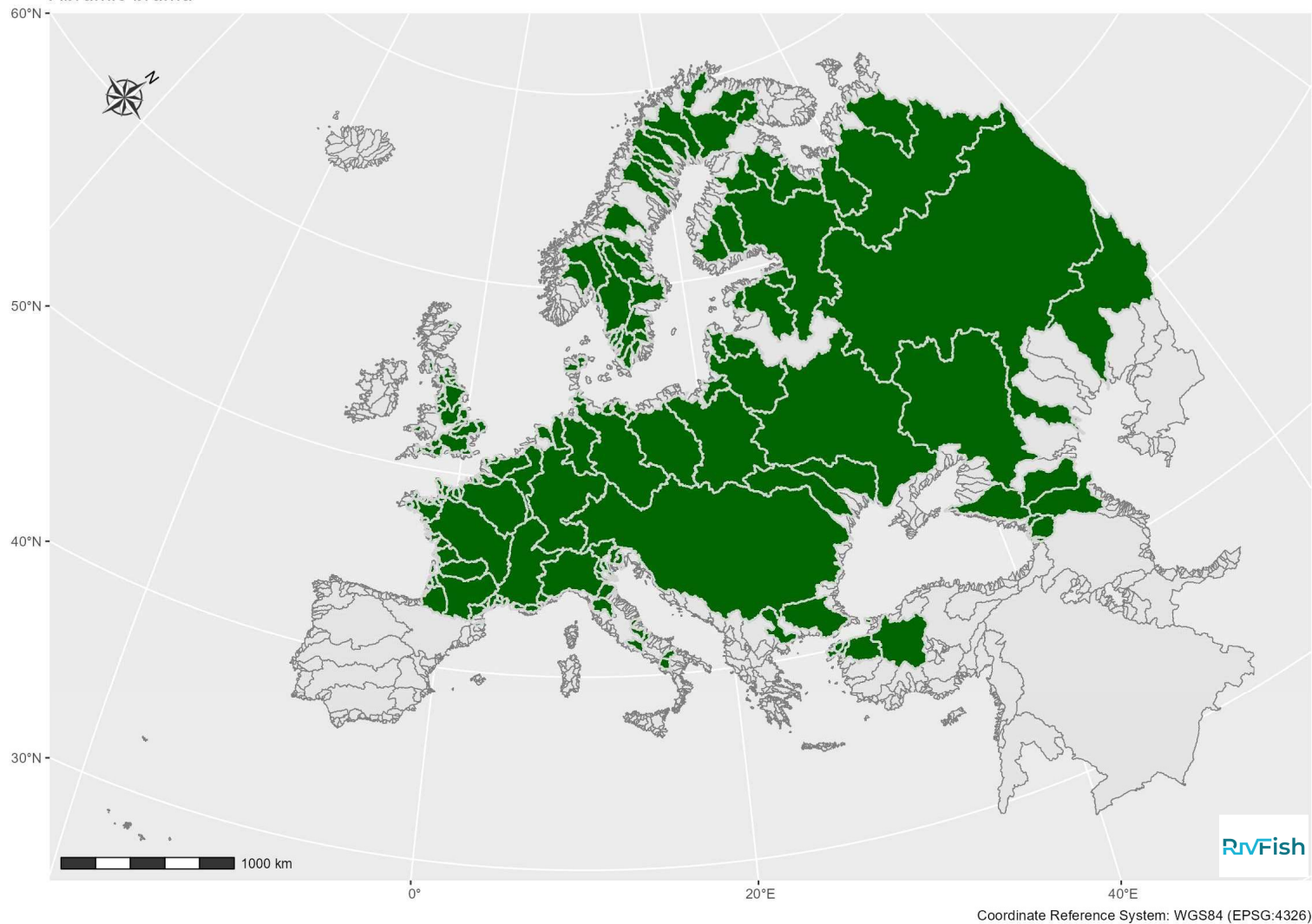
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<i>Parachondrostoma miegii</i>	217	<i>Proterorhinus tataricus</i>	240	<i>Rutilus heckelii</i>	263
<i>Parachondrostoma toxostoma</i>	217	<i>Protochondrostoma genei</i>	240	<i>Rutilus kutum</i>	263
<i>Parachondrostoma turiense</i>	218	<i>Pseudochondrostoma duriense</i>	241	<i>Rutilus meidingeri</i>	264
<i>Paraphanius mento</i>	218	<i>Pseudochondrostoma polylepis</i>	241	<i>Rutilus pigus</i>	264
		<i>Pseudochondrostoma willkommii</i>	242	<i>Rutilus rutilus</i>	265
<i>Pelagus epiroticus</i>	219	<i>Pseudophoxinus alii</i>	242	<i>Rutilus stoumboudae</i>	265
<i>Pelagus laconicus</i>	219	<i>Pseudophoxinus anatolicus</i>	243	<i>Rutilus virgo</i>	266
<i>Pelagus marathonicus</i>	220	<i>Pseudophoxinus antalyae</i>	243	<i>Sabanejewia aurata</i>	266
<i>Pelagus minutus</i>	220	<i>Pseudophoxinus battalgilae</i>	244	<i>Sabanejewia balcanica</i>	267
<i>Pelagus prespensis</i>	221	<i>Pseudophoxinus burduricus</i>	244	<i>Sabanejewia baltica</i>	267
<i>Pelagus stymphalicus</i>	221	<i>Pseudophoxinus egridiri</i>	245	<i>Sabanejewia bulgarica</i>	268
<i>Pelagus thesproticus</i>	222	<i>Pseudophoxinus evliyae</i>	245	<i>Sabanejewia caspia</i>	268
<i>Pelecus cultratus</i>	222	<i>Pseudophoxinus fahrettini</i>	246	<i>Sabanejewia caucasica</i>	269
<i>Perca fluviatilis</i>	223	<i>Pseudophoxinus hittitorum</i>	246	<i>Sabanejewia kubanica</i>	269
<i>Percarina demidoffii</i>	223	<i>Pseudophoxinus kervillei</i>	247	<i>Sabanejewia larvata</i>	270
<i>Percarina maeotica</i>	224	<i>Pseudophoxinus maeandri</i>	247	<i>Sabanejewia romanica</i>	270
<i>Petroleuciscus borysthenicus</i>	224	<i>Pseudophoxinus maeandricus</i>	248	<i>Sabanejewia vallachica</i>	271
<i>Petroleuciscus smyrnaeus</i>	225	<i>Pseudophoxinus ninae</i>	248	<i>Salariopsis economidisi</i>	271
<i>Petromyzon marinus</i>	225	<i>Pseudophoxinus zekayi</i>	249	<i>Salariopsis fluviatilis</i>	272
<i>Phoxinellus alepidotus</i>	226	<i>Pseudophoxinus zeregi</i>	249	<i>Salmo abanticus</i>	272
<i>Phoxinellus dalmaticus</i>	226	<i>Pungitius hellenicus</i>	250	<i>Salmo aphelios</i>	273
<i>Phoxinellus pseudalepidotus</i>	227	<i>Pungitius laevis</i>	250	<i>Salmo balcanicus</i>	273
<i>Phoxinus apollonicus</i>	227	<i>Pungitius platygaster</i>	251	<i>Salmo carpio</i>	274
<i>Phoxinus bigerri</i>	228	<i>Pungitius pungitius</i>	251	<i>Salmo caspius</i>	274
<i>Phoxinus colchicus</i>	228	<i>Pungitius vulgaris</i>	252	<i>Salmo cenerinus</i>	275
<i>Phoxinus karsticus</i>	229	<i>Rhodeus amarus</i>	252	<i>Salmo cettii</i>	275
<i>Phoxinus ketmaieri</i>	229	<i>Rhodeus colchicus</i>	253	<i>Salmo chilo</i>	276
<i>Phoxinus phoxinus</i>	230	<i>Rhodeus meridionalis</i>	253	<i>Salmo dentex</i>	276
<i>Phoxinus septimaniae</i>	230	<i>Rhynchocypris percunura</i>	254	<i>Salmo ezenami</i>	277
<i>Phoxinus strandjae</i>	231	<i>Romanichthys valsanicola</i>	254	<i>Salmo farioides</i>	277
<i>Phoxinus strymonicus</i>	231	<i>Romanogobio albipinnatus</i>	255	<i>Salmo ferox</i>	278
<i>Platichthys flesus</i>	232	<i>Romanogobio antipai</i>	255	<i>Salmo fibreni</i>	278
<i>Pomatoschistus marmoratus</i>	232	<i>Romanogobio banaticus</i>	256	<i>Salmo ischchan</i>	279
<i>Pomatoschistus microps</i>	233	<i>Romanogobio belingi</i>	256	<i>Salmo labecula</i>	279
<i>Pomatoschistus montenegrensis</i>	233	<i>Romanogobio benacensis</i>	257	<i>Salmo labrax</i>	280
<i>Ponticola constructor</i>	234	<i>Romanogobio ciscaucasicus</i>	257	<i>Salmo letnica</i>	280
<i>Ponticola cyrius</i>	234	<i>Romanogobio elimeius</i>	258	<i>Salmo lourosensis</i>	281
<i>Ponticola eurycephalus</i>	235	<i>Romanogobio elimeius</i>	258	<i>Salmo lumi</i>	281
<i>Ponticola gorlap</i>	235	<i>Romanogobio kesslerii</i>	258	<i>Salmo macedonicus</i>	282
<i>Ponticola kessleri</i>	236	<i>Romanogobio parvus</i>	259	<i>Salmo marmoratus</i>	282
<i>Ponticola platyrostris</i>	236	<i>Romanogobio pentatrachus</i>	259	<i>Salmo montenigrinus</i>	283
<i>Ponticola ratan</i>	237	<i>Romanogobio persus</i>	260	<i>Salmo nigripinnis</i>	283
<i>Ponticola rhodioni</i>	237	<i>Romanogobio tanaiticus</i>	260	<i>Salmo obtusirostris</i>	284
<i>Ponticola syрман</i>	238	<i>Romanogobio uranoscopus</i>	261	<i>Salmo ohridanus</i>	284
<i>Proterorhinus marmoratus</i>	238	<i>Romanogobio vladkovi</i>	261		

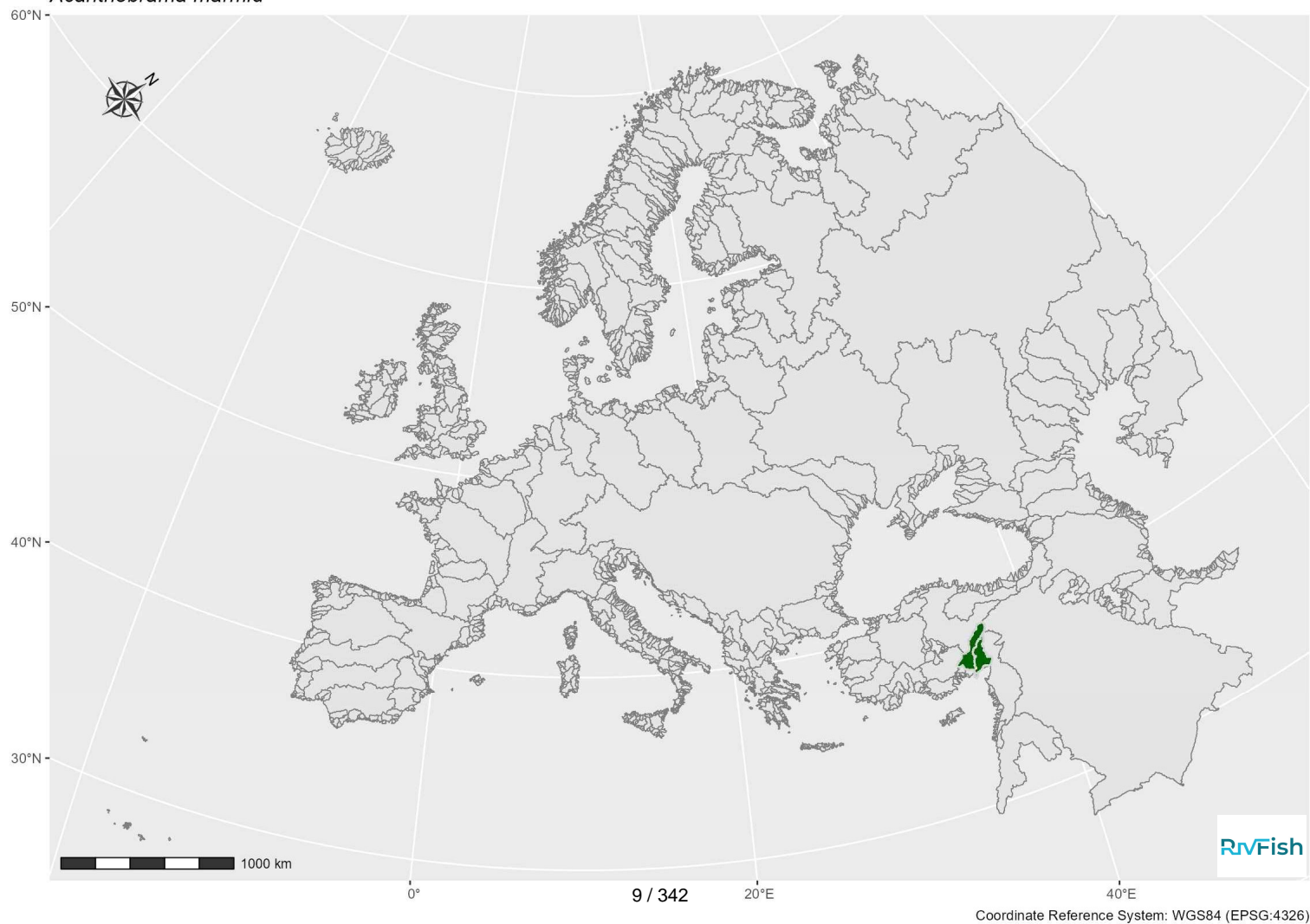
RivFISH Maps – Presence of freshwater fish species in European river basins

Updated species name	Page	Updated species name	Page	Updated species name	Page
<i>Salmo opimus</i>	285	<i>Silurus glanis</i>	308	<i>Telestes montenigrinus</i>	331
<i>Salmo pelagonicus</i>	285	<i>Squalius alburnoides</i>	308	<i>Telestes muticellus</i>	331
<i>Salmo peristericus</i>	286	<i>Squalius ahipsi</i>	309	<i>Telestes pleurobipunctatus</i>	332
<i>Salmo platycephalus</i>	286	<i>Squalius aradensis</i>	309	<i>Telestes polylepis</i>	332
<i>Salmo rhodanensis</i>	287	<i>Squalius carinus</i>	310	<i>Telestes souffia</i>	333
<i>Salmo salar</i>	287	<i>Squalius carolitertii</i>	310	<i>Telestes turskyi</i>	333
<i>Salmo stomachicus</i>	288	<i>Squalius castellanus</i>	311	<i>Telestes ukliva</i>	334
<i>Salmo tateri</i>	288	<i>Squalius cephalus</i>	311	<i>Thymallus thymallus</i>	334
<i>Salmo trutta</i>	289	<i>Squalius cii</i>	312	<i>Tinca tinca</i>	335
<i>Salmo visovacensis</i>	289	<i>Squalius fellowesii</i>	312	<i>Tropidophoxinellus hellenicus</i>	335
<i>Salvelinus alpinus</i>	290	<i>Squalius ghigii</i>	313	<i>Tropidophoxinellus spartiaticus</i>	336
<i>Salvelinus colii</i>	290	<i>Squalius illyricus</i>	313	<i>Umbra krameri</i>	336
<i>Salvelinus evasus</i>	291	<i>Squalius janae</i>	314	<i>Valencia hispanica</i>	337
<i>Salvelinus fimbriatus</i>	291	<i>Squalius keadicus</i>	314	<i>Valencia letourneuxi</i>	337
<i>Salvelinus gracillimus</i>	292	<i>Squalius kosswigi</i>	315	<i>Valencia robertae</i>	338
<i>Salvelinus grayi</i>	292	<i>Squalius laietanus</i>	315	<i>Vimba elongata</i>	338
<i>Salvelinus killinensis</i>	293	<i>Squalius lepidus</i>	316	<i>Vimba melanops</i>	339
<i>Salvelinus lepechini</i>	293	<i>Squalius lucumonis</i>	316	<i>Vimba mirabilis</i>	339
<i>Salvelinus lonsdalii</i>	294	<i>Squalius malacitanus</i>	317	<i>Vimba vimba</i>	340
<i>Salvelinus mallochi</i>	294	<i>Squalius microlepis</i>	317	<i>Zingel asper</i>	340
<i>Salvelinus maxillaris</i>	295	<i>Squalius moreoticus</i>	318	<i>Zingel balcanicus</i>	341
<i>Salvelinus murta</i>	295	<i>Squalius orpheus</i>	318	<i>Zingel streber</i>	341
<i>Salvelinus obtusus</i>	296	<i>Squalius pamvoticus</i>	319	<i>Zingel zingel</i>	342
<i>Salvelinus perisii</i>	296	<i>Squalius peloponensis</i>	319		
<i>Salvelinus profundus</i>	297	<i>Squalius platyceps</i>	320		
<i>Salvelinus struanensis</i>	297	<i>Squalius prespensis</i>	320		
<i>Salvelinus thingvallensis</i>	298	<i>Squalius pyrenaicus</i>	321		
<i>Salvelinus umbla</i>	298	<i>Squalius recurvirostris</i>	321		
<i>Salvelinus willoughbii</i>	299	<i>Squalius squalus</i>	322		
<i>Salvelinus youngeri</i>	299	<i>Squalius svallize</i>	322		
<i>Sander lucioperca</i>	300	<i>Squalius tenellus</i>	323		
<i>Sander marinus</i>	300	<i>Squalius torgalensis</i>	323		
<i>Sander volgensis</i>	301	<i>Squalius valentinus</i>	324		
<i>Sarmarutilus rubilio</i>	301	<i>Squalius vardarensis</i>	324		
<i>Scardinius acarnanicus</i>	302	<i>Squalius zrmanjae</i>	325		
<i>Scardinius dergle</i>	302	<i>Stenodus leucichthys</i>	325		
<i>Scardinius elmaliensis</i>	303	<i>Stenodus nelma</i>	326		
<i>Scardinius erythrophthalmus</i>	303	<i>Syngnathus abaster</i>	326		
<i>Scardinius graecus</i>	304	<i>Telestes beoticus</i>	327		
<i>Scardinius hesperidicus</i>	304	<i>Telestes comes</i>	327		
<i>Scardinius knezevici</i>	305	<i>Telestes croaticus</i>	328		
<i>Scardinius plotizza</i>	305	<i>Telestes dabar</i>	328		
<i>Scardinius scardafa</i>	306	<i>Telestes fontinalis</i>	329		
<i>Seminemacheilus ispartensis</i>	306	<i>Telestes karsticus</i>	329		
<i>Seminemacheilus lendlii</i>	307	<i>Telestes metohiensis</i>	330		
<i>Silurus aristotelis</i>	307	<i>Telestes miloradi</i>	330		

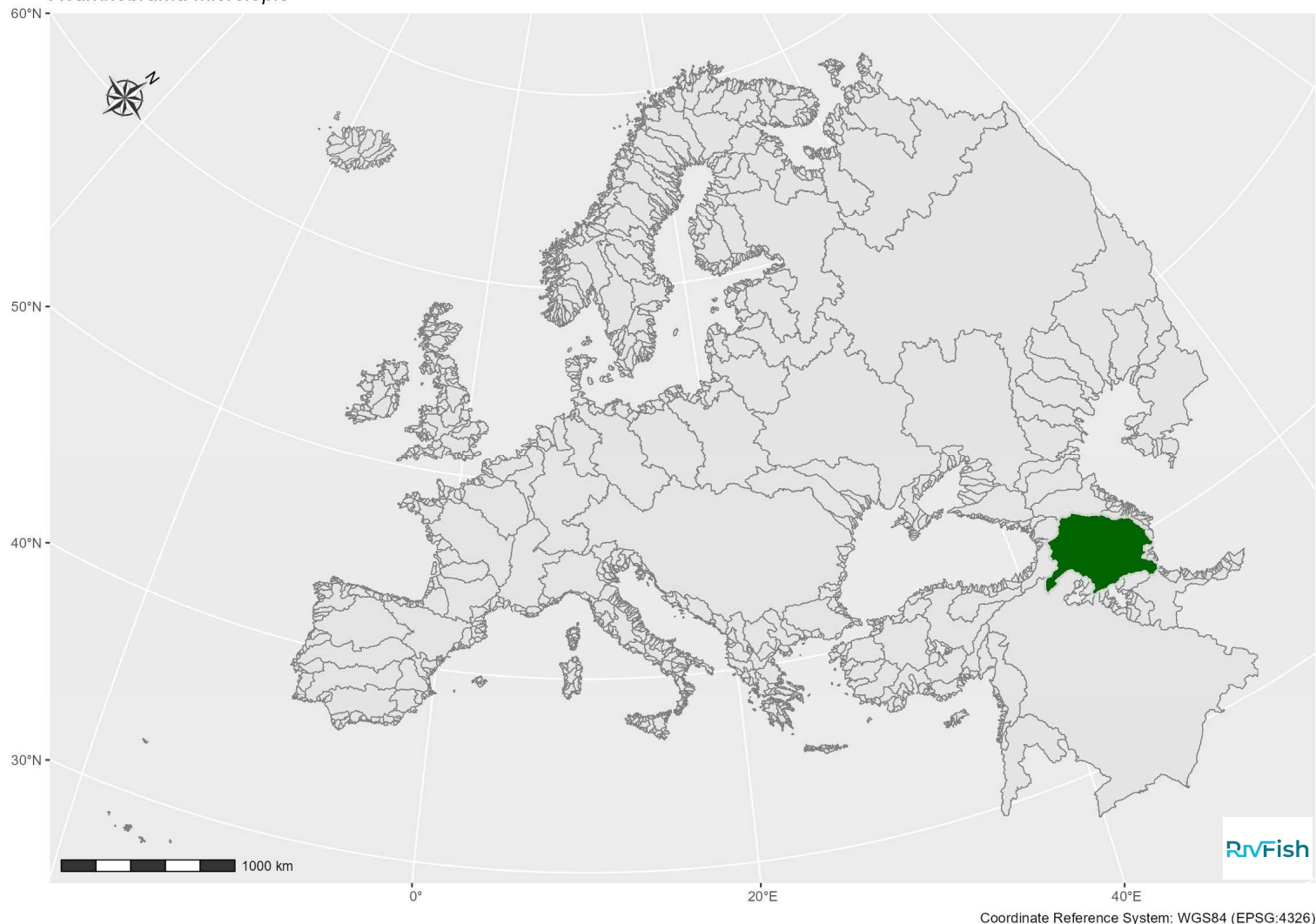
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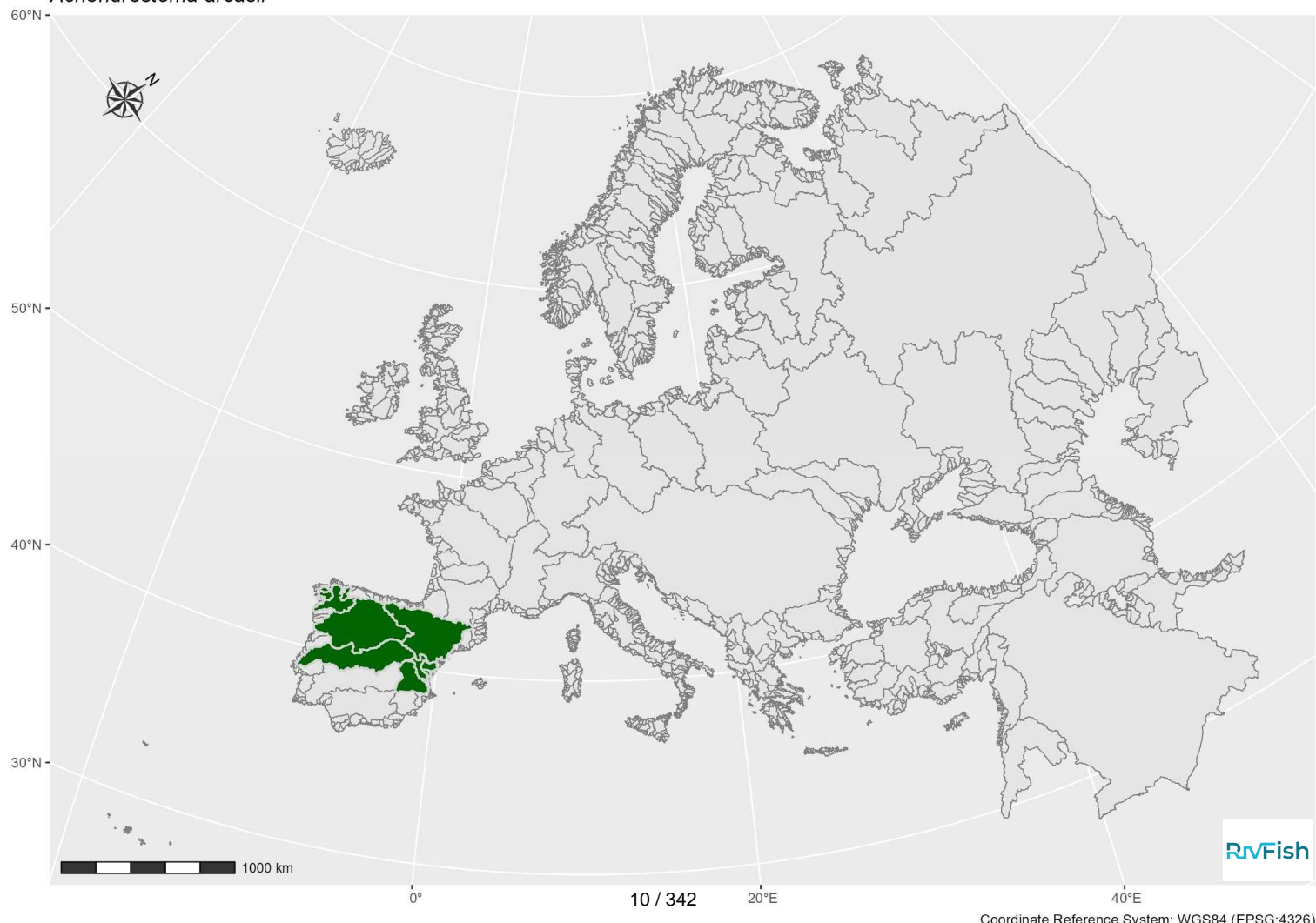
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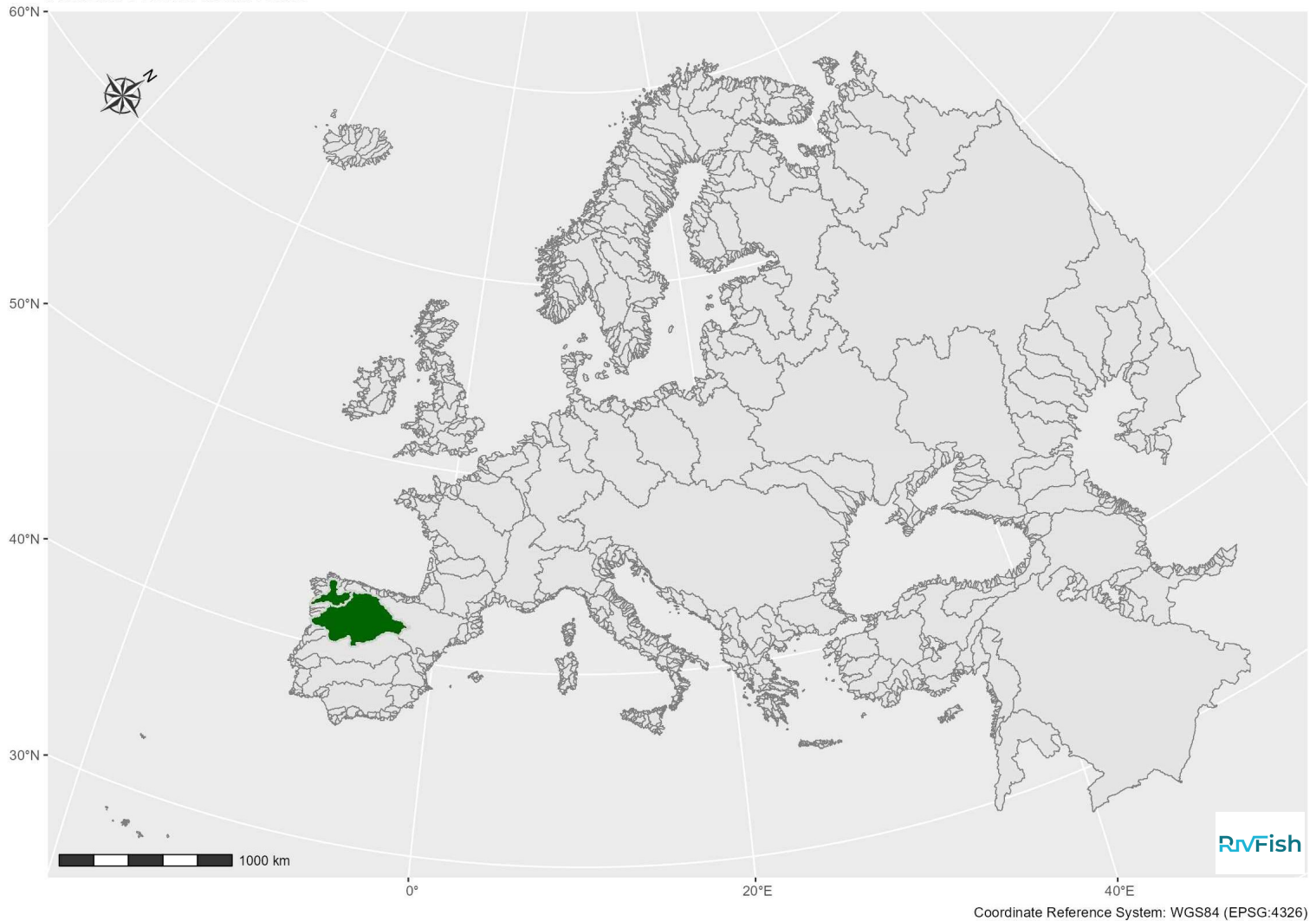
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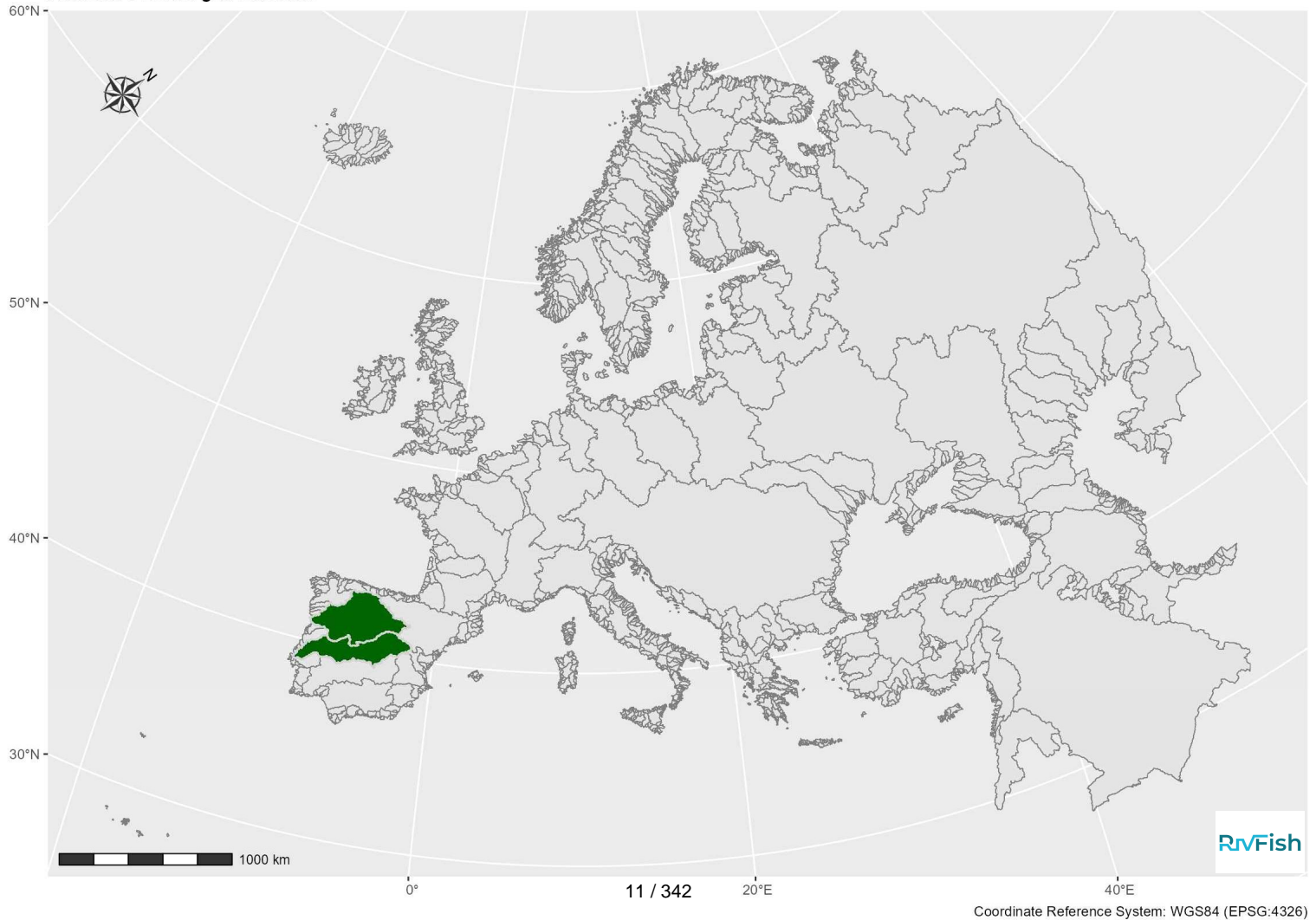
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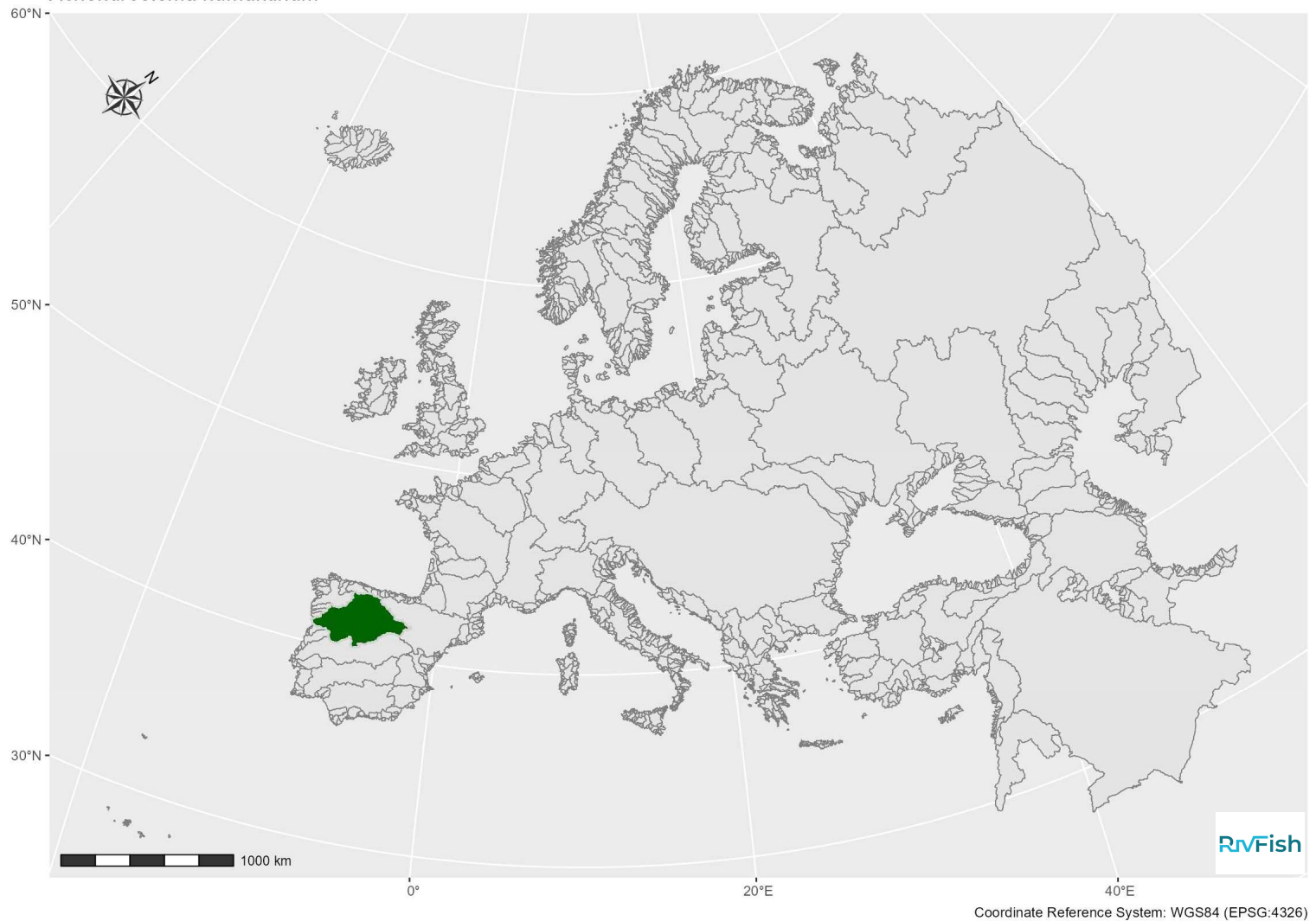
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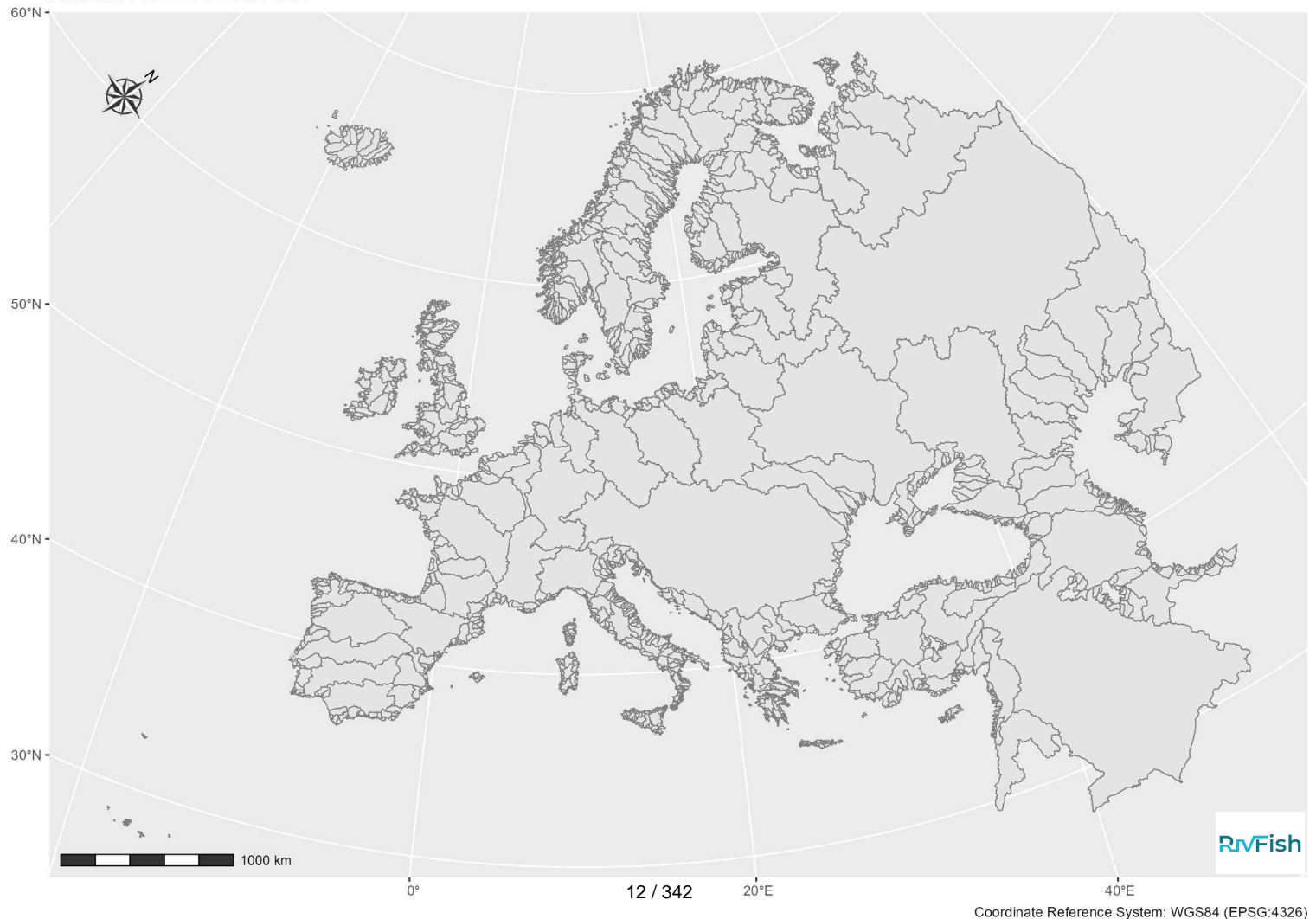
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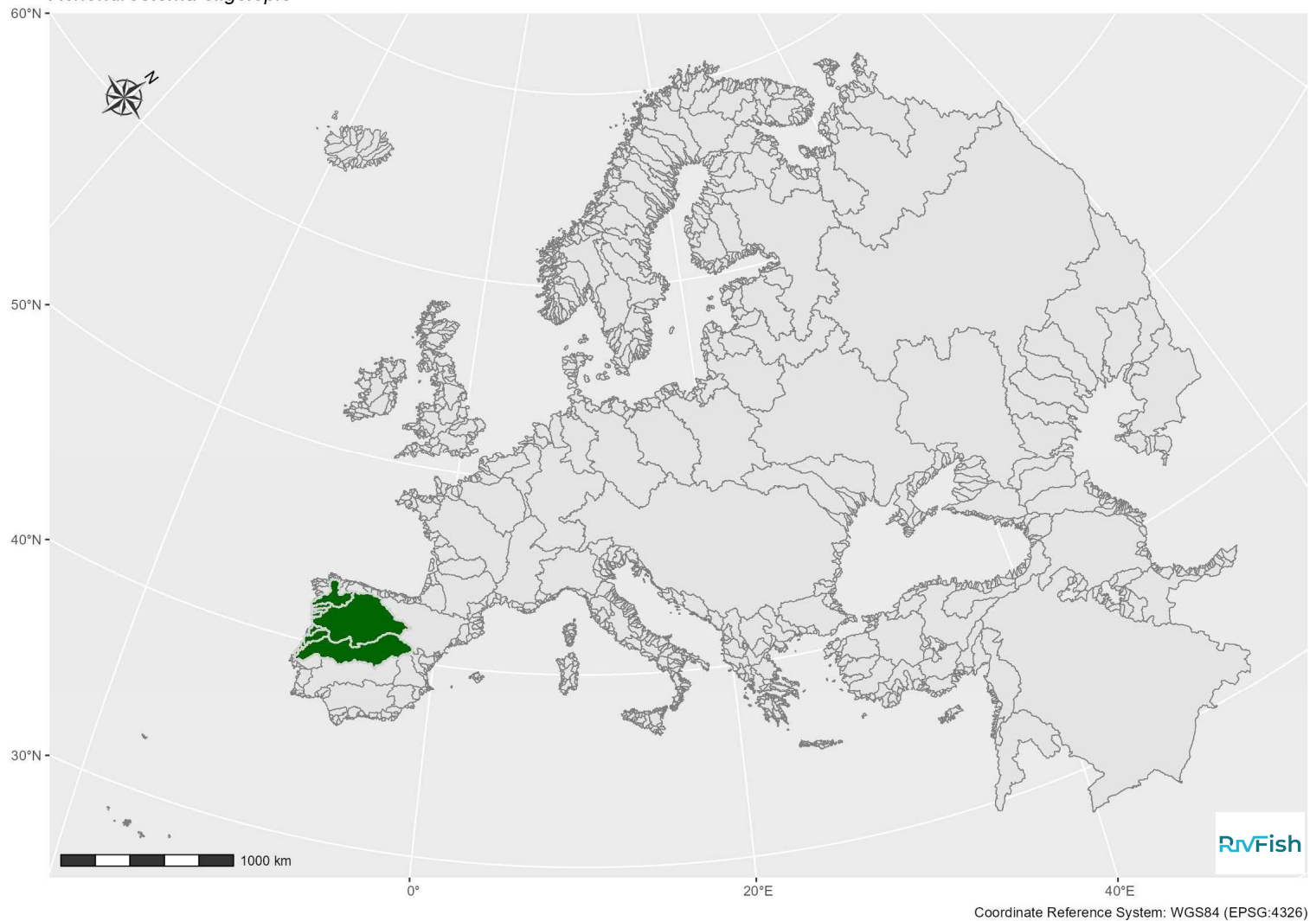
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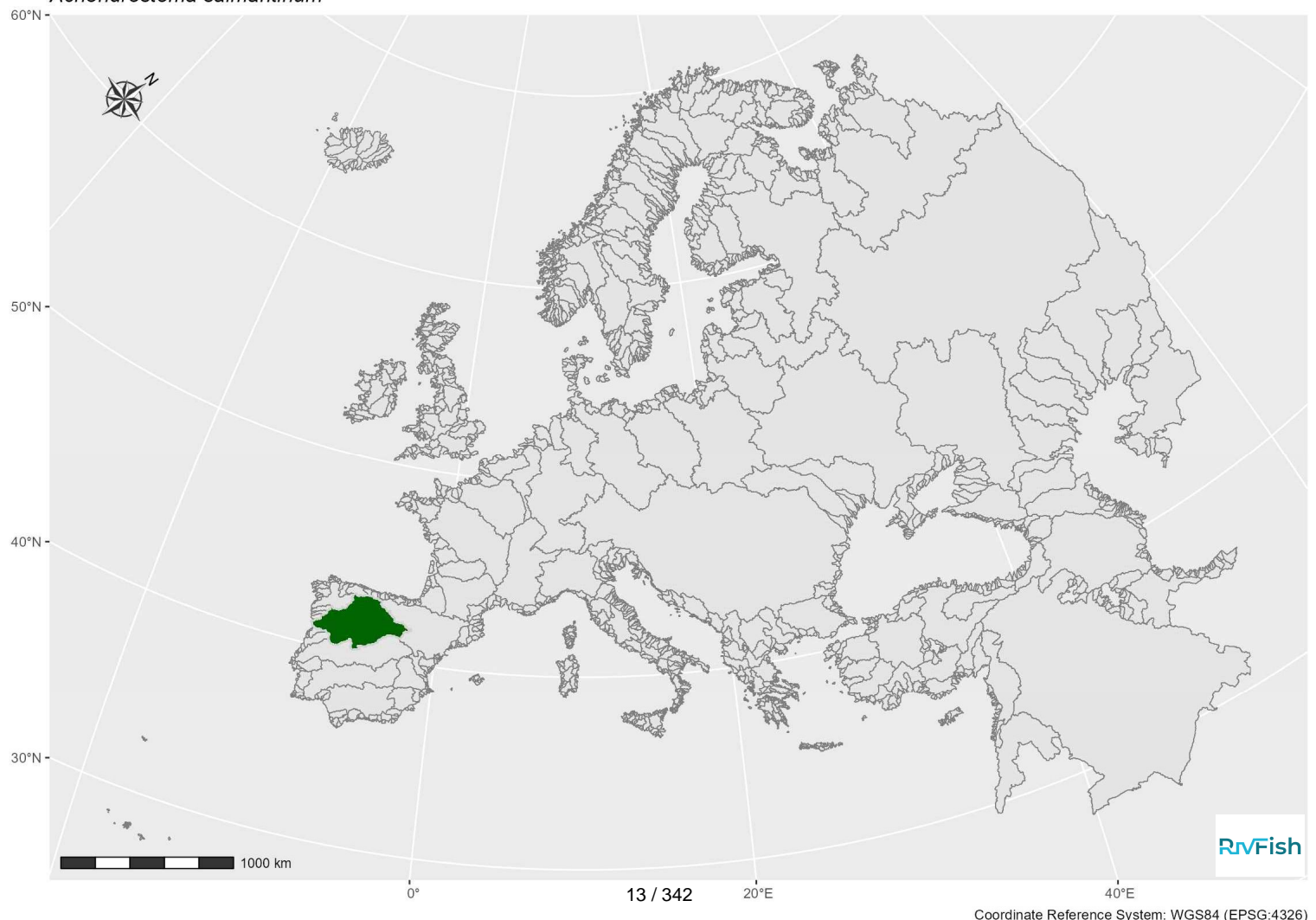
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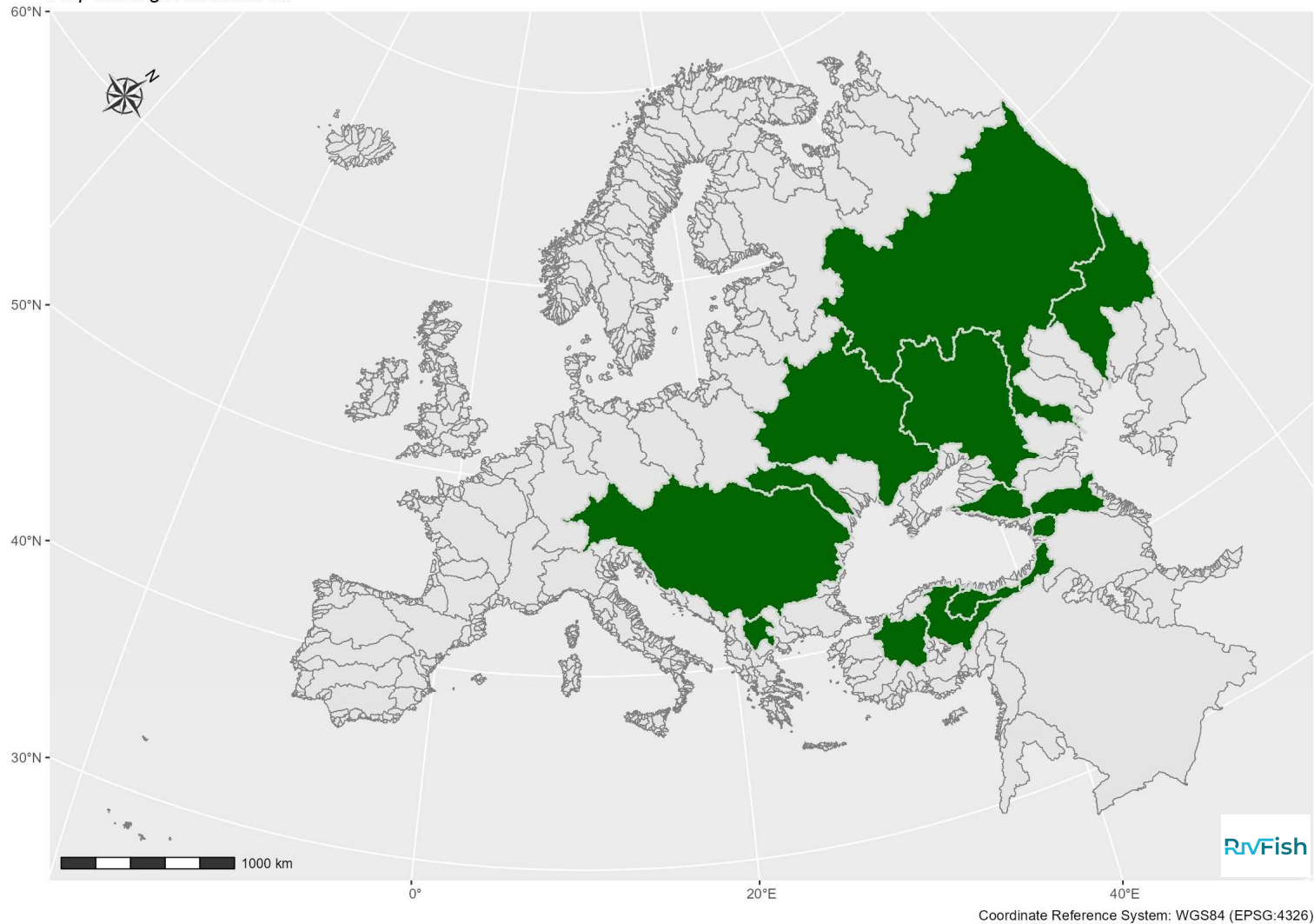
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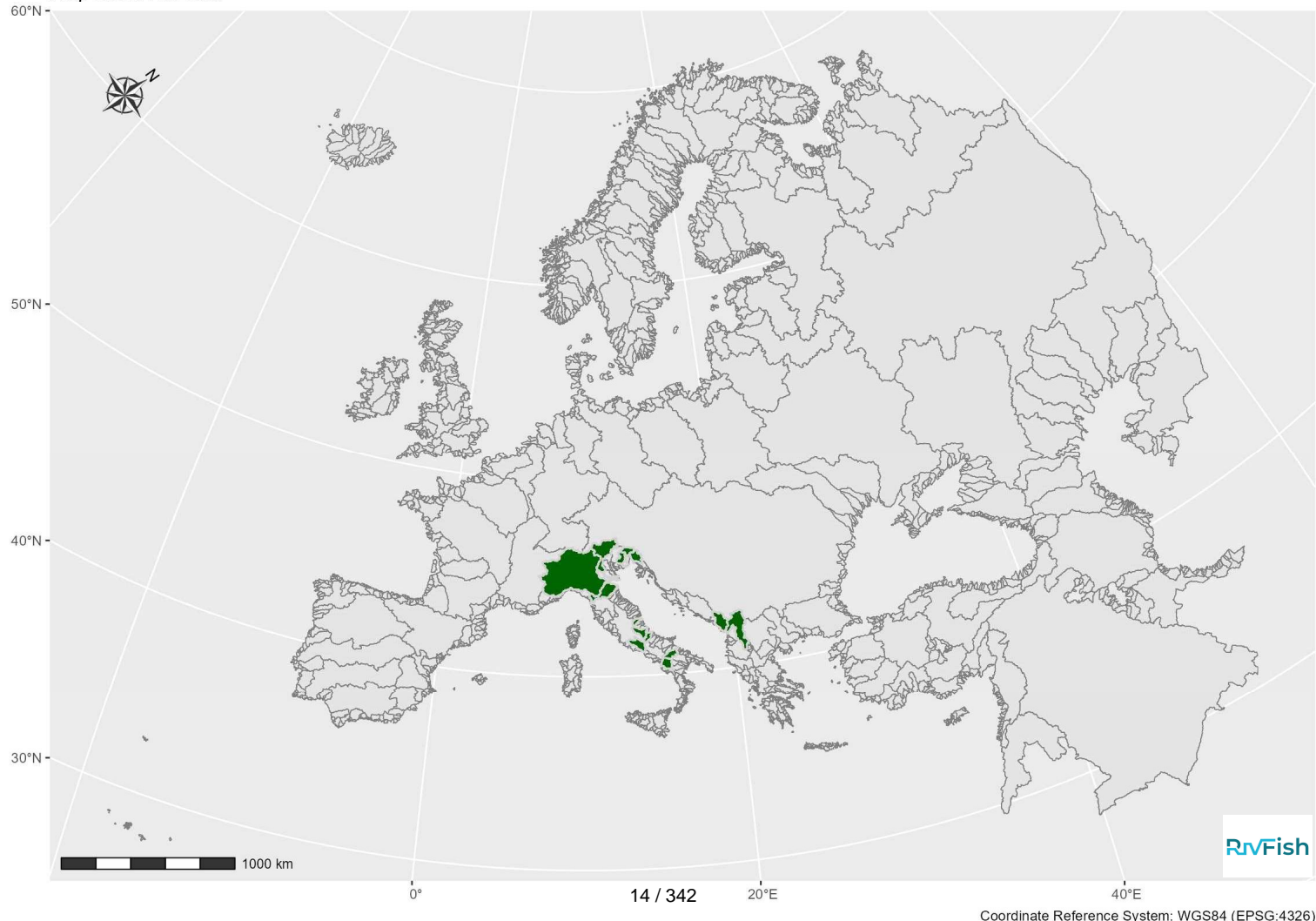
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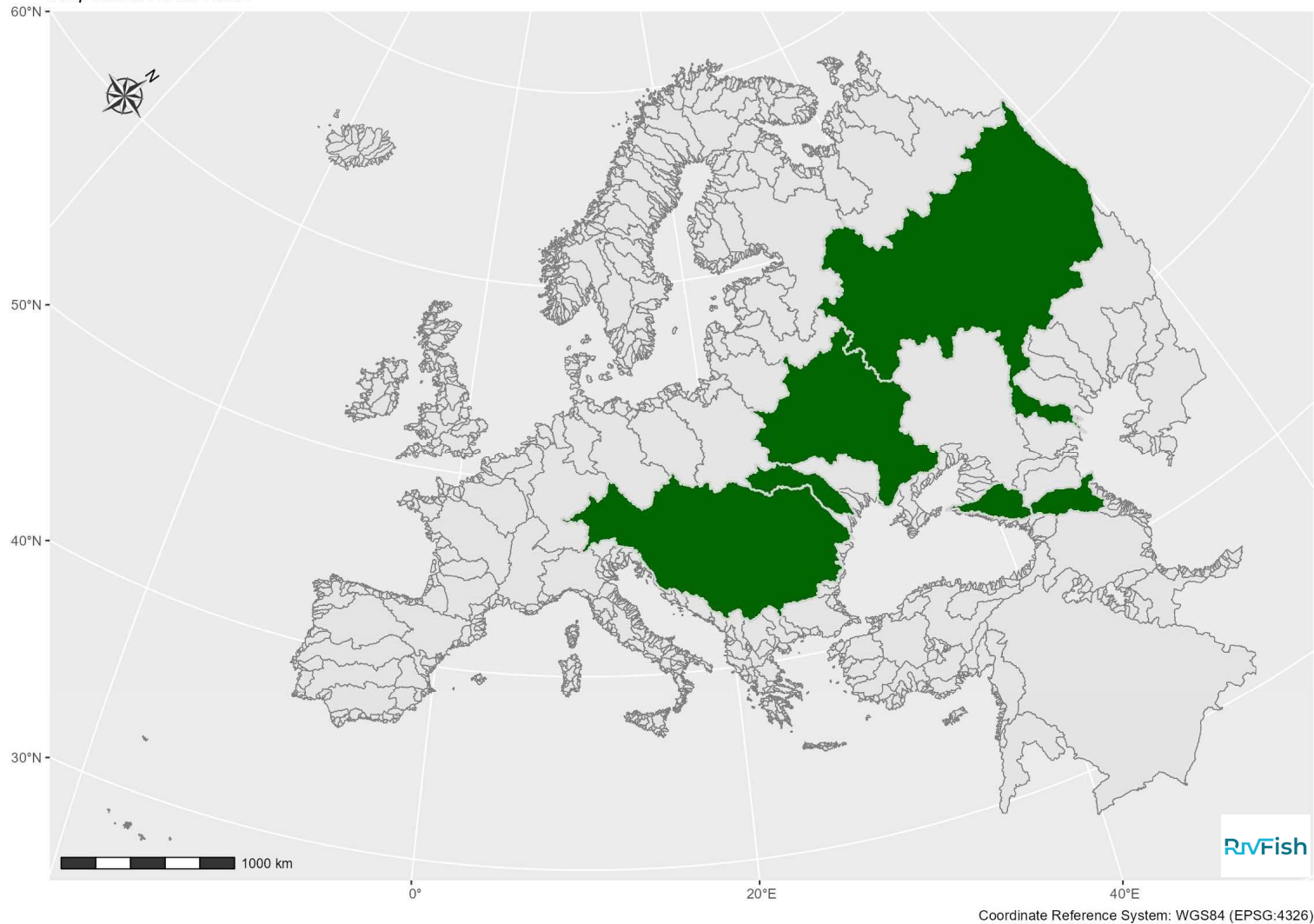
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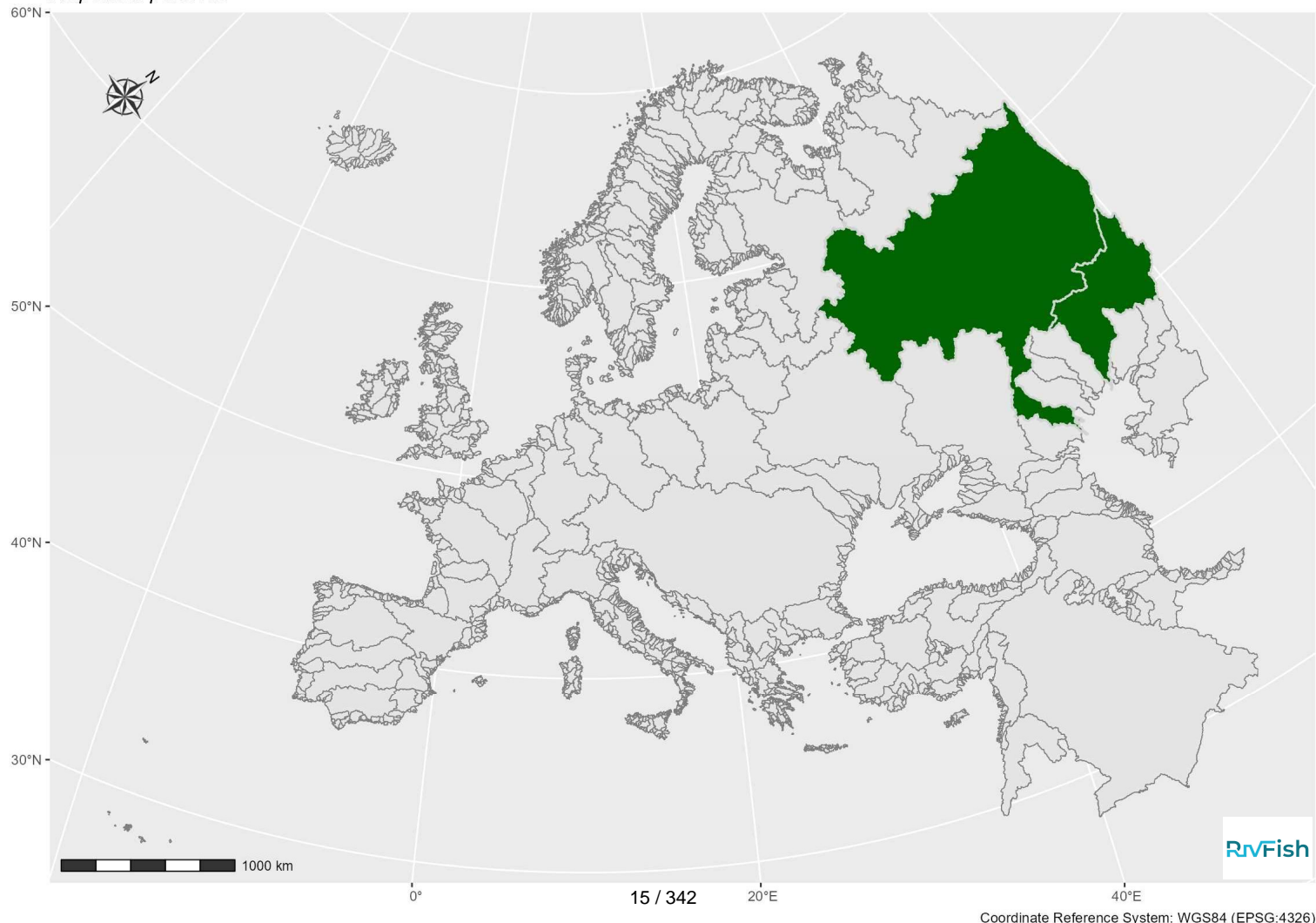
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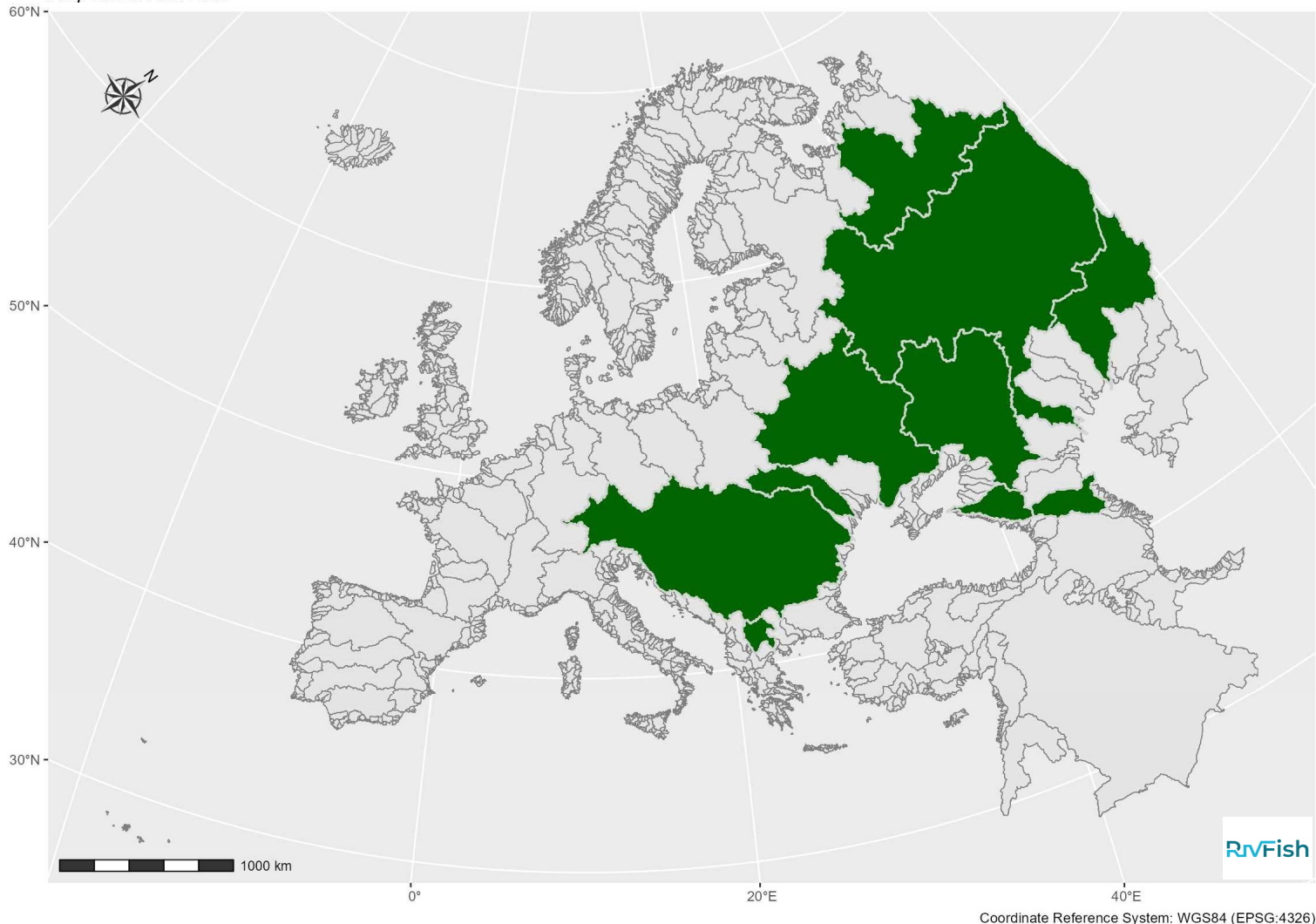
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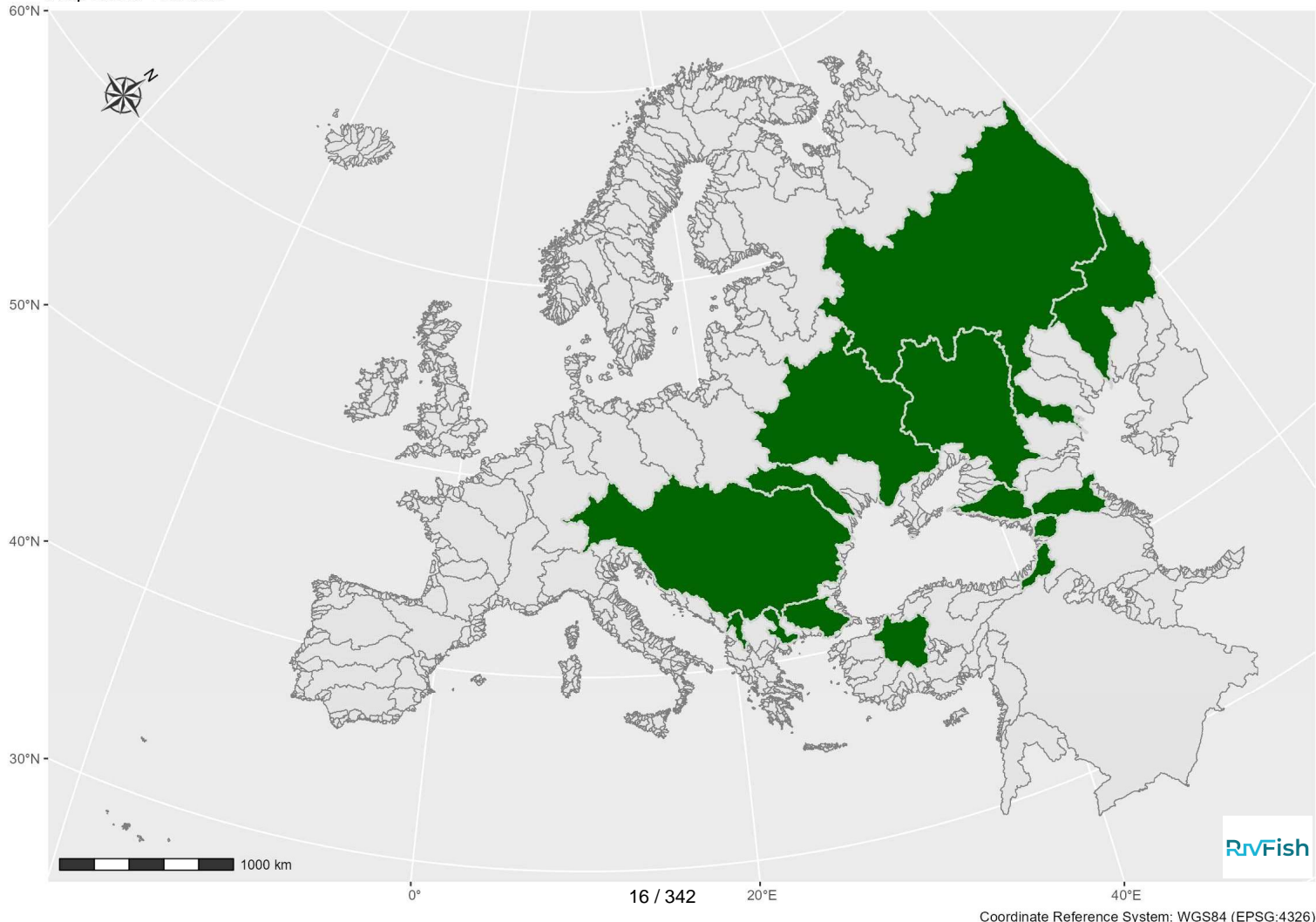
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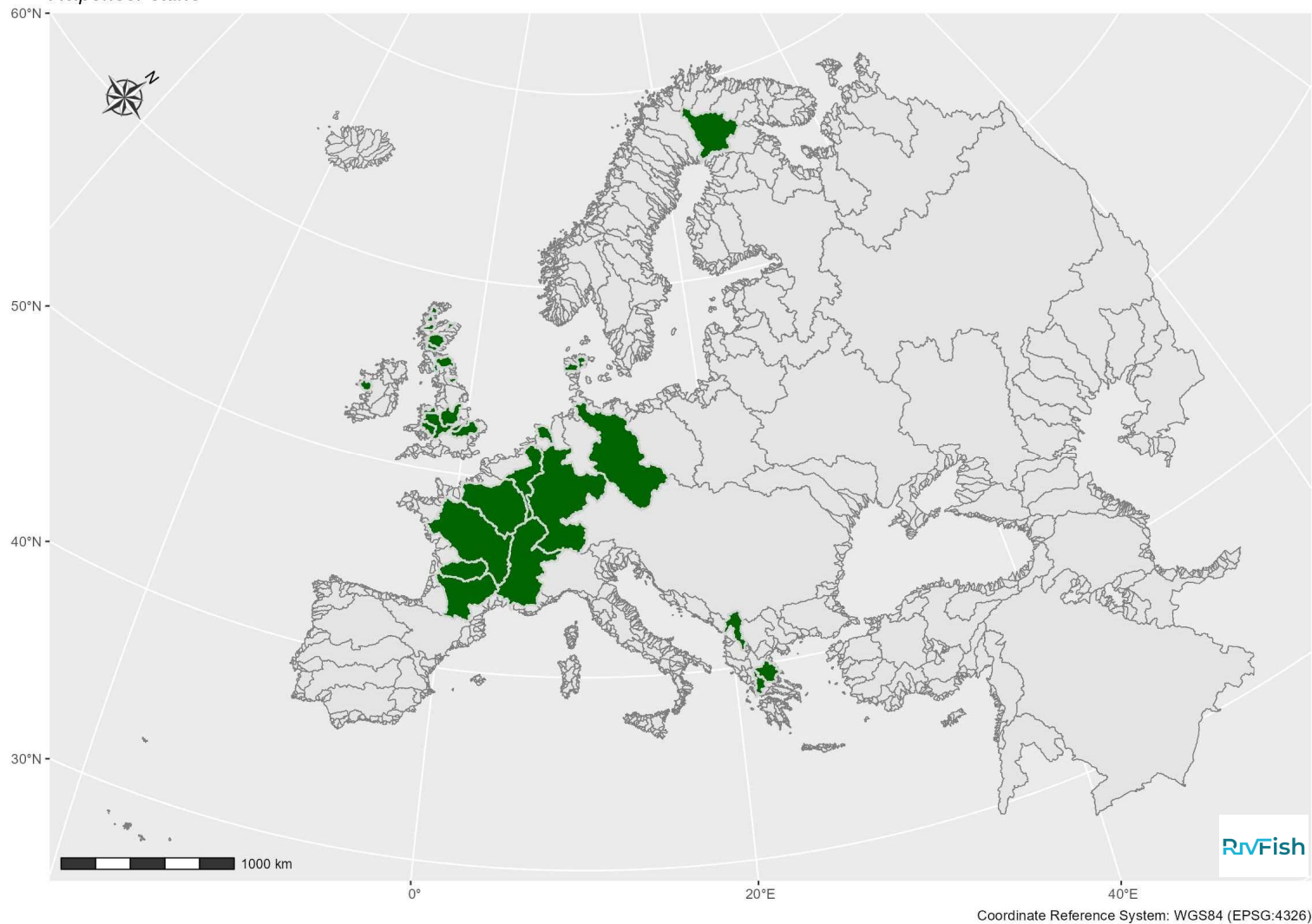
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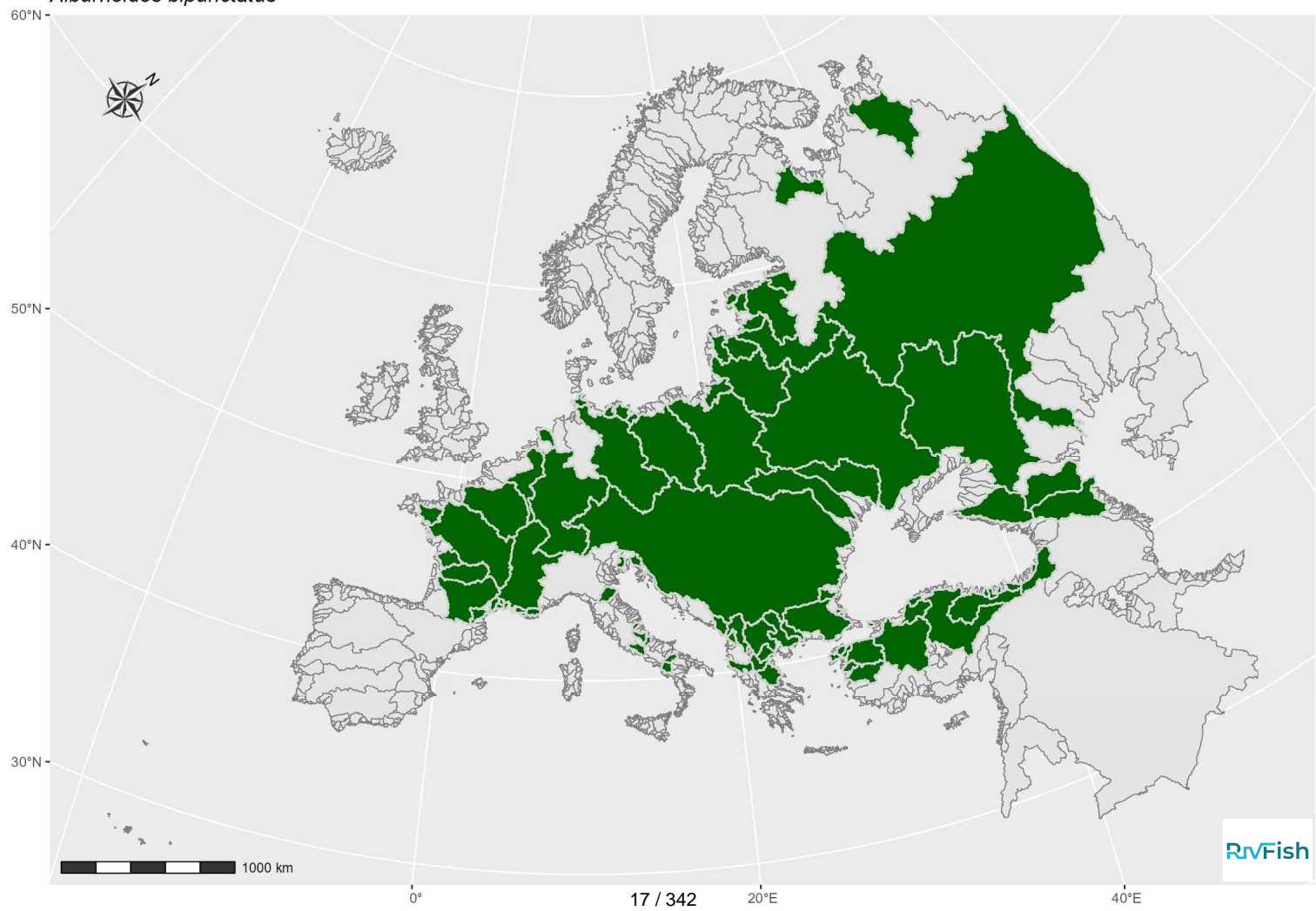
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Acipenser sturio



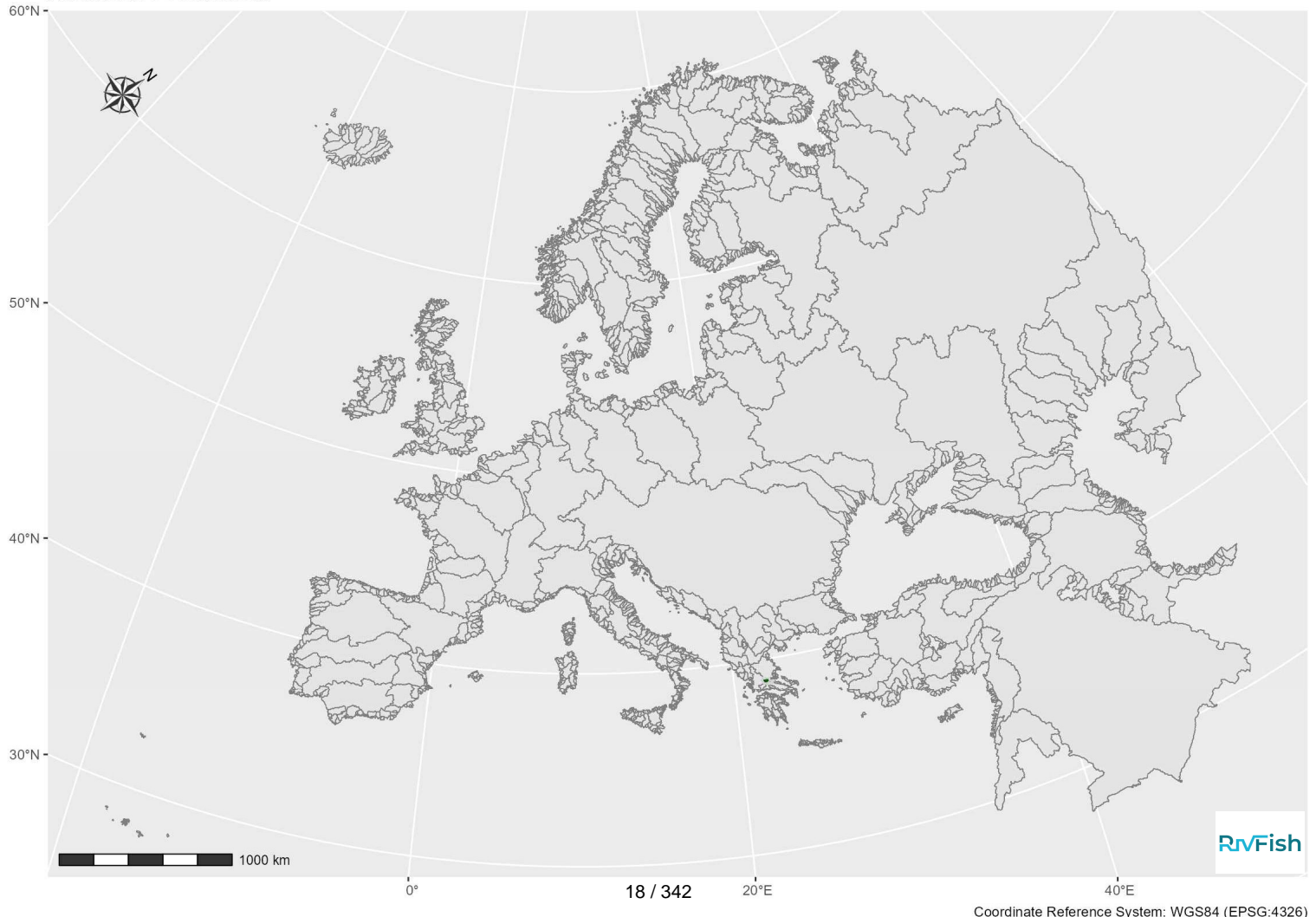
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Alburnoides devolli



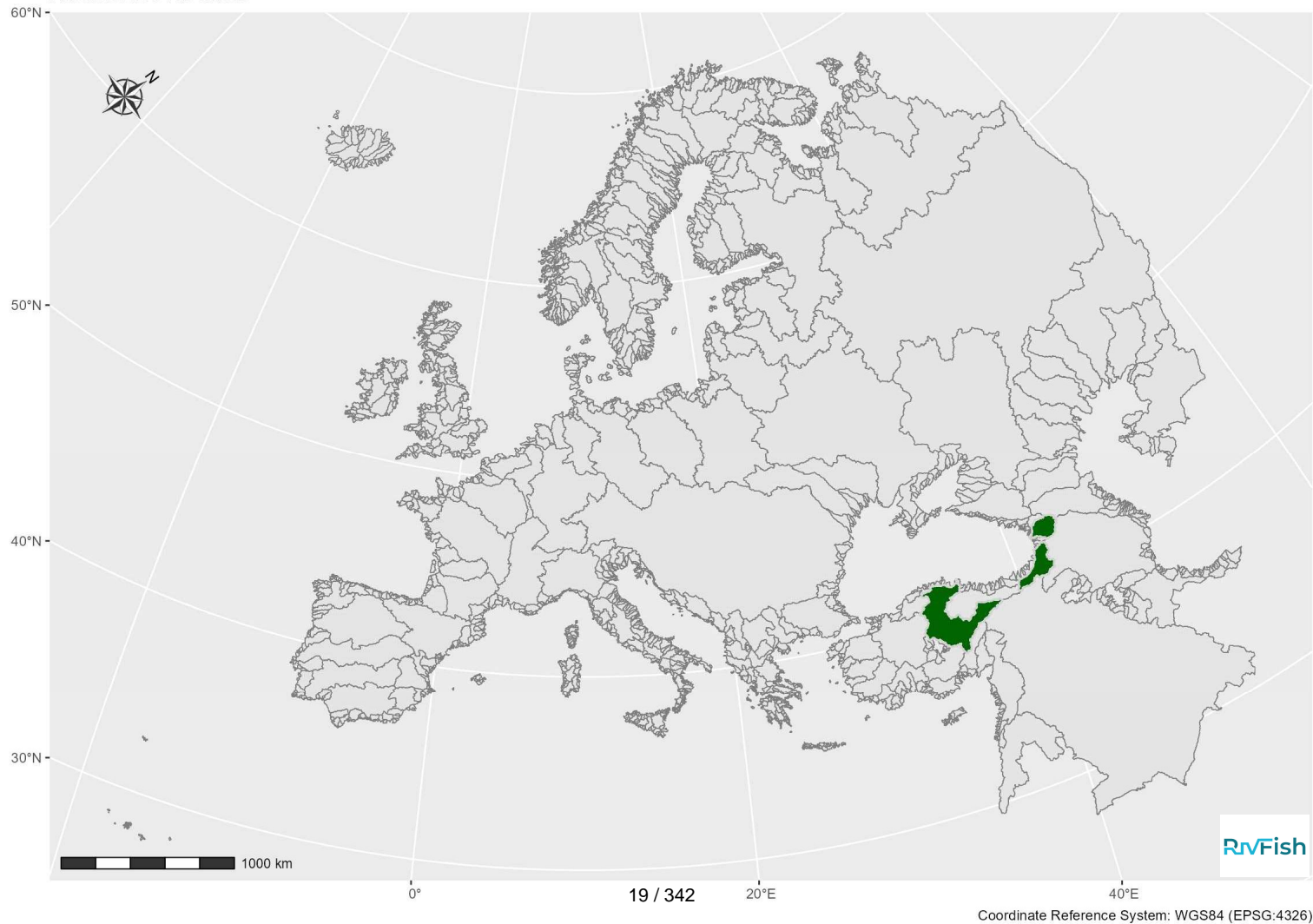
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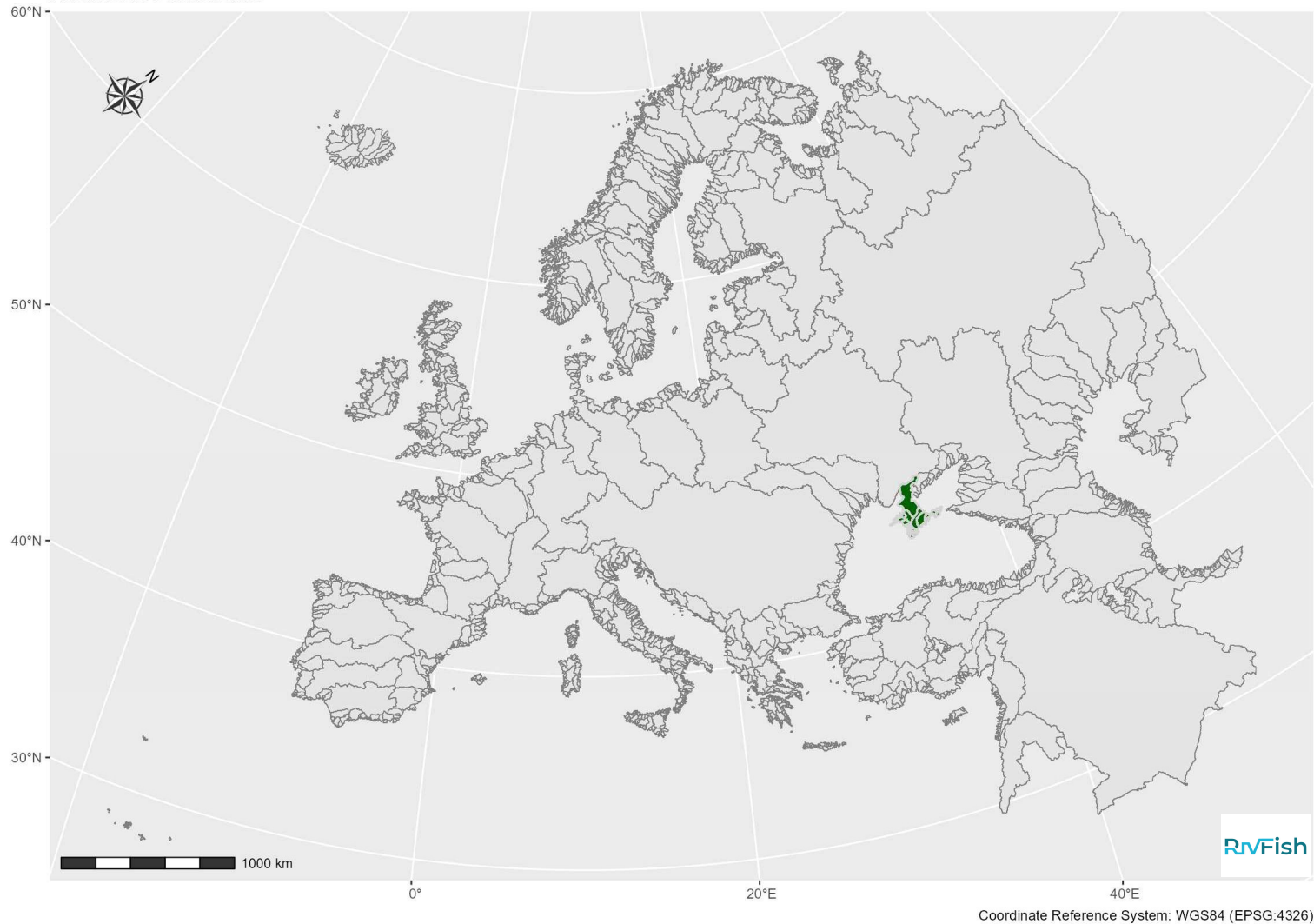
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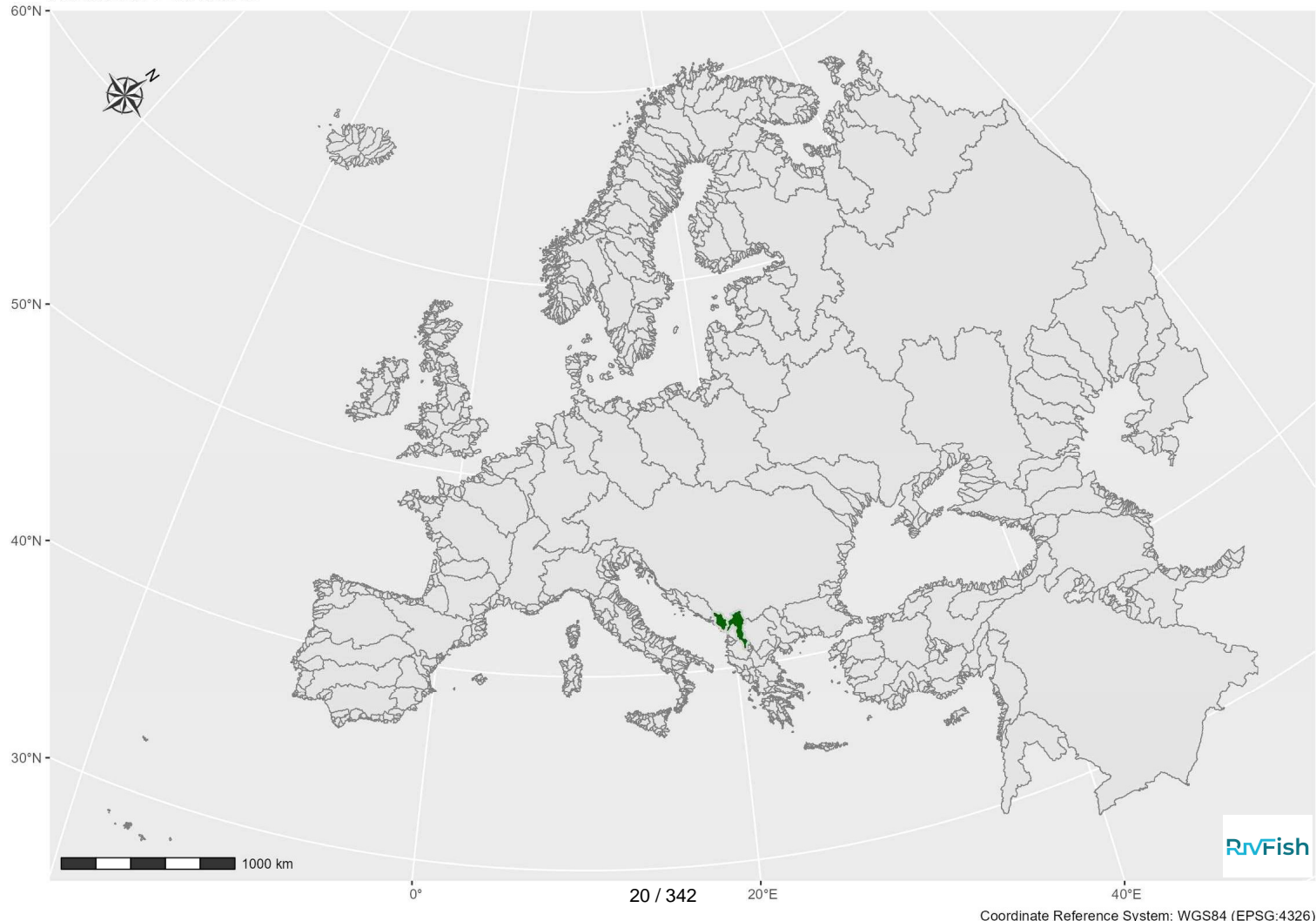
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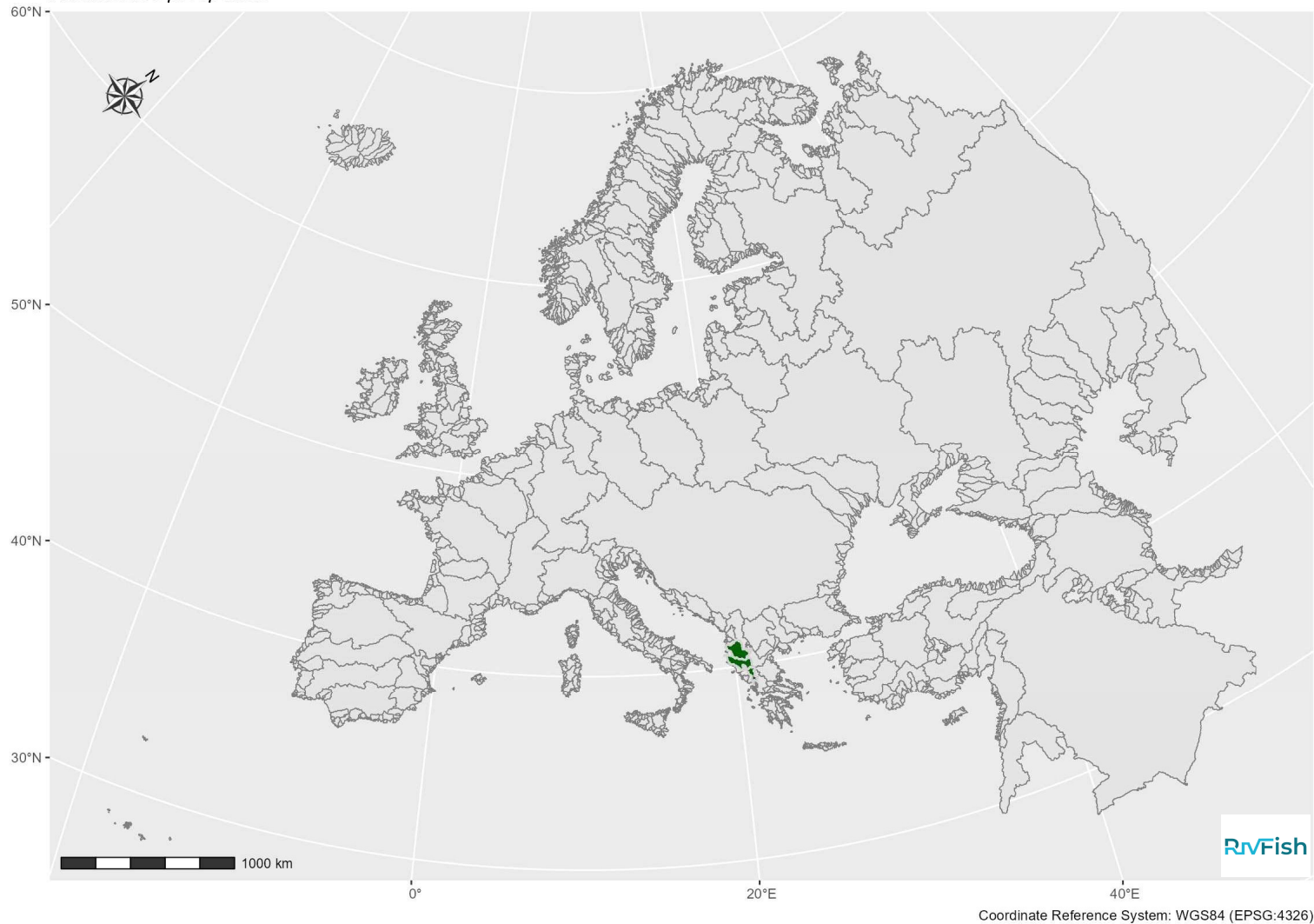
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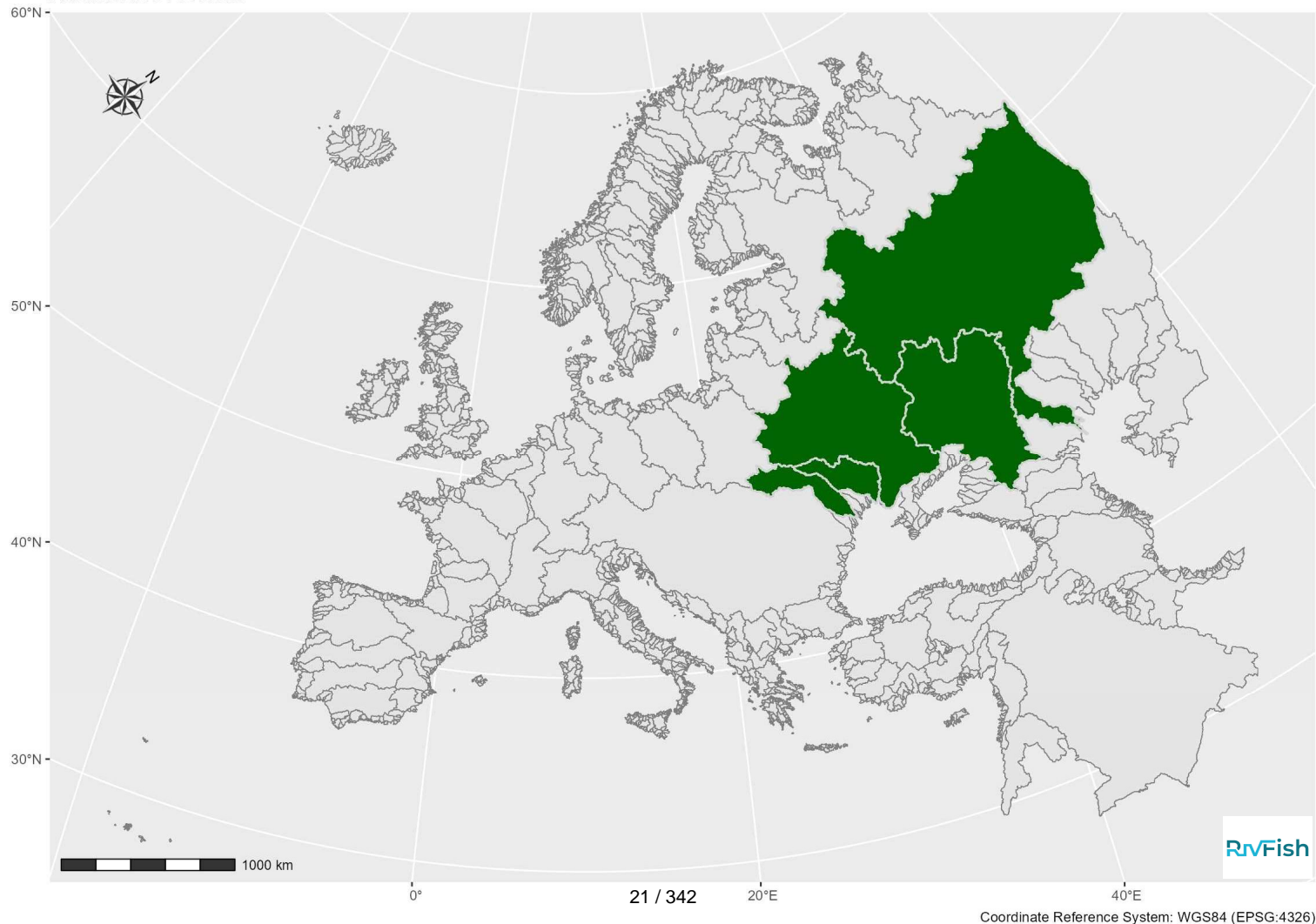
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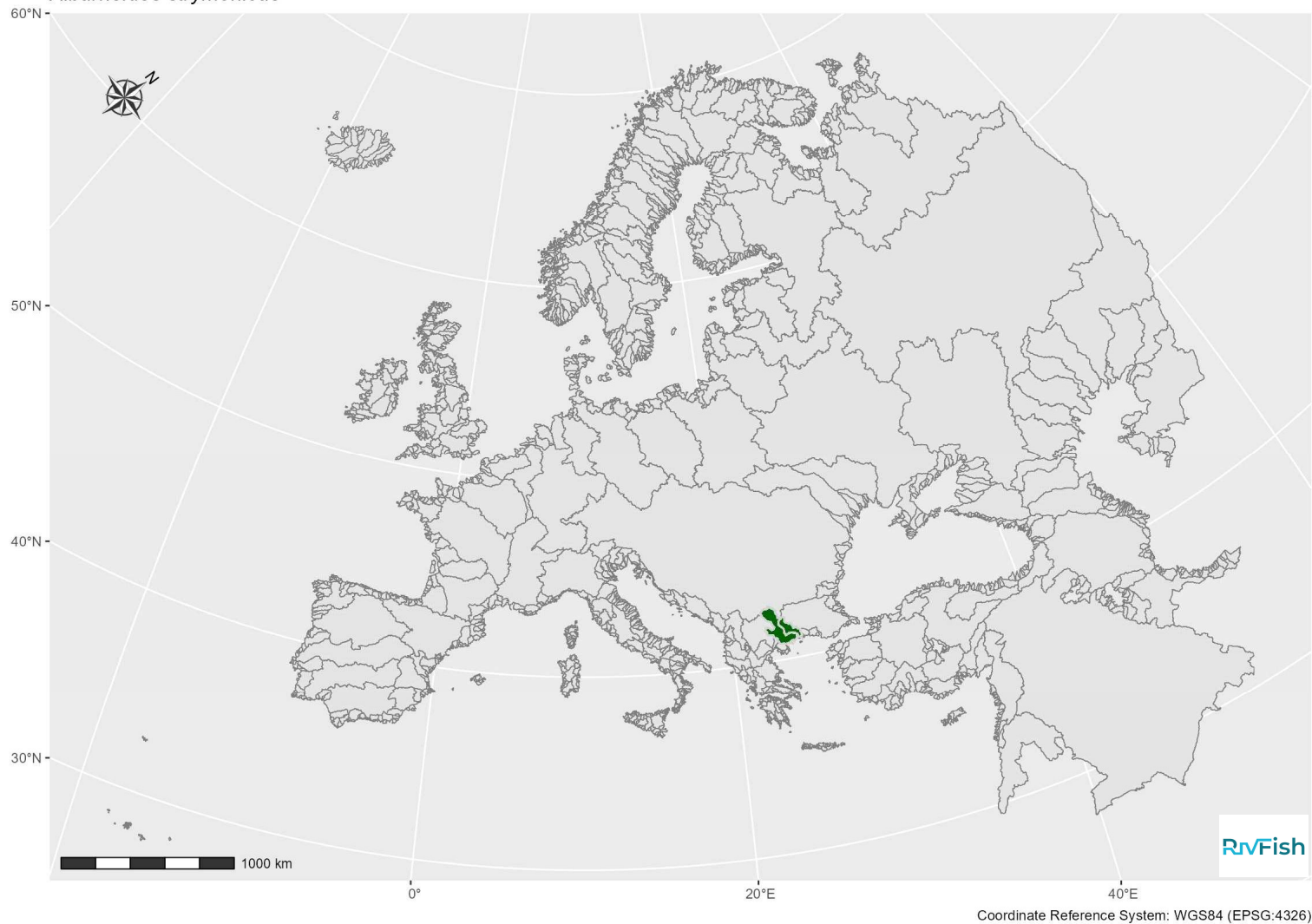
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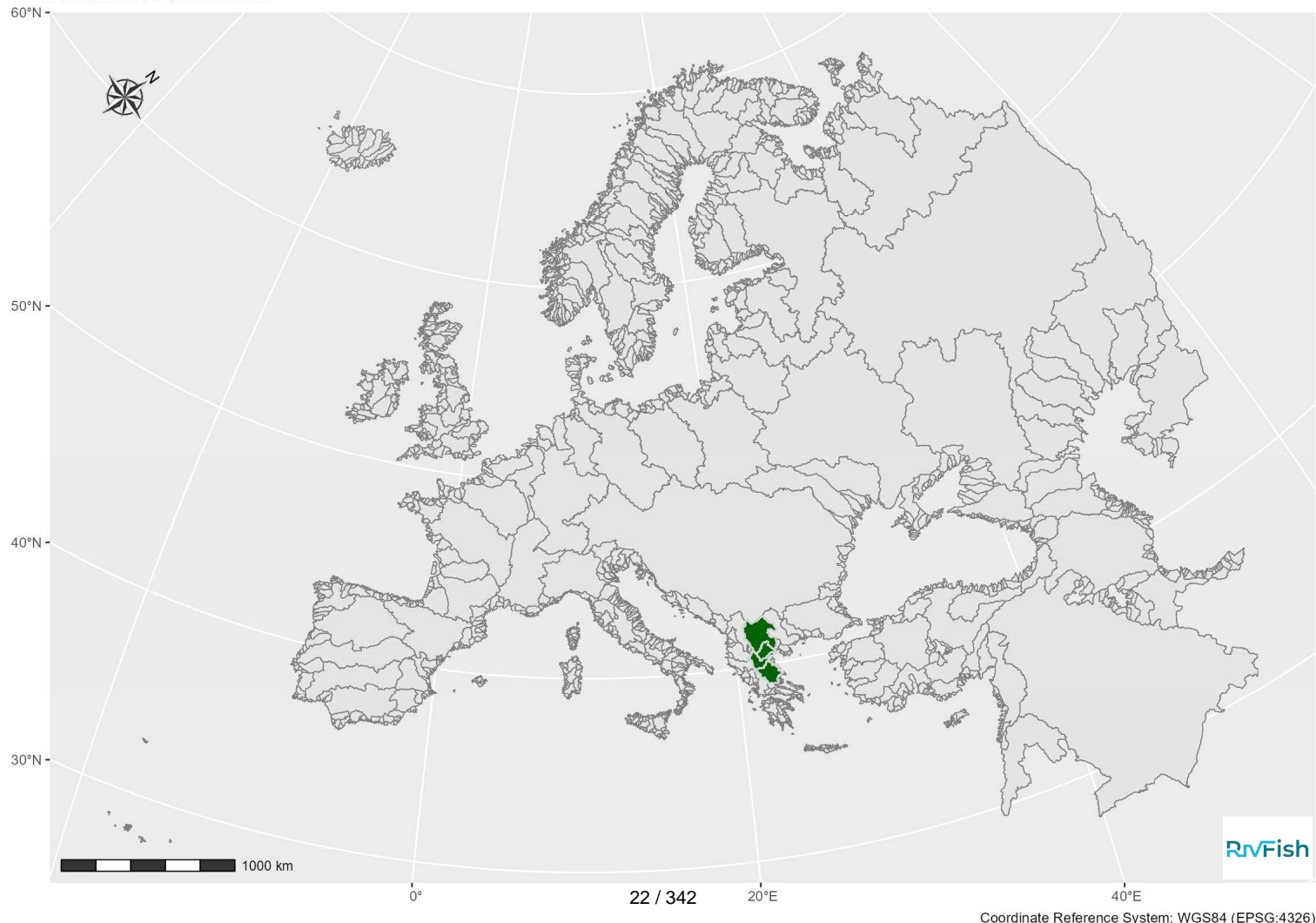
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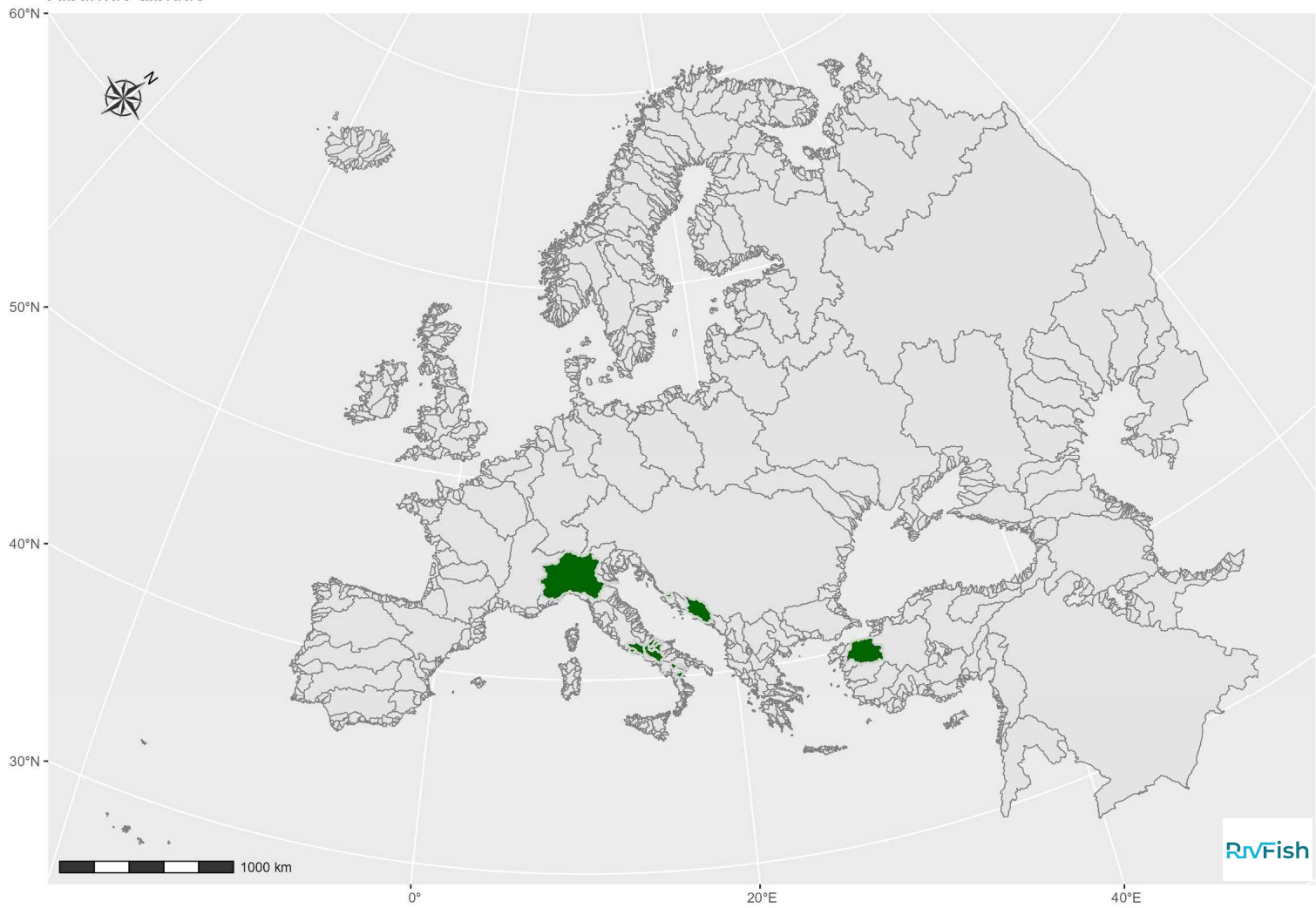
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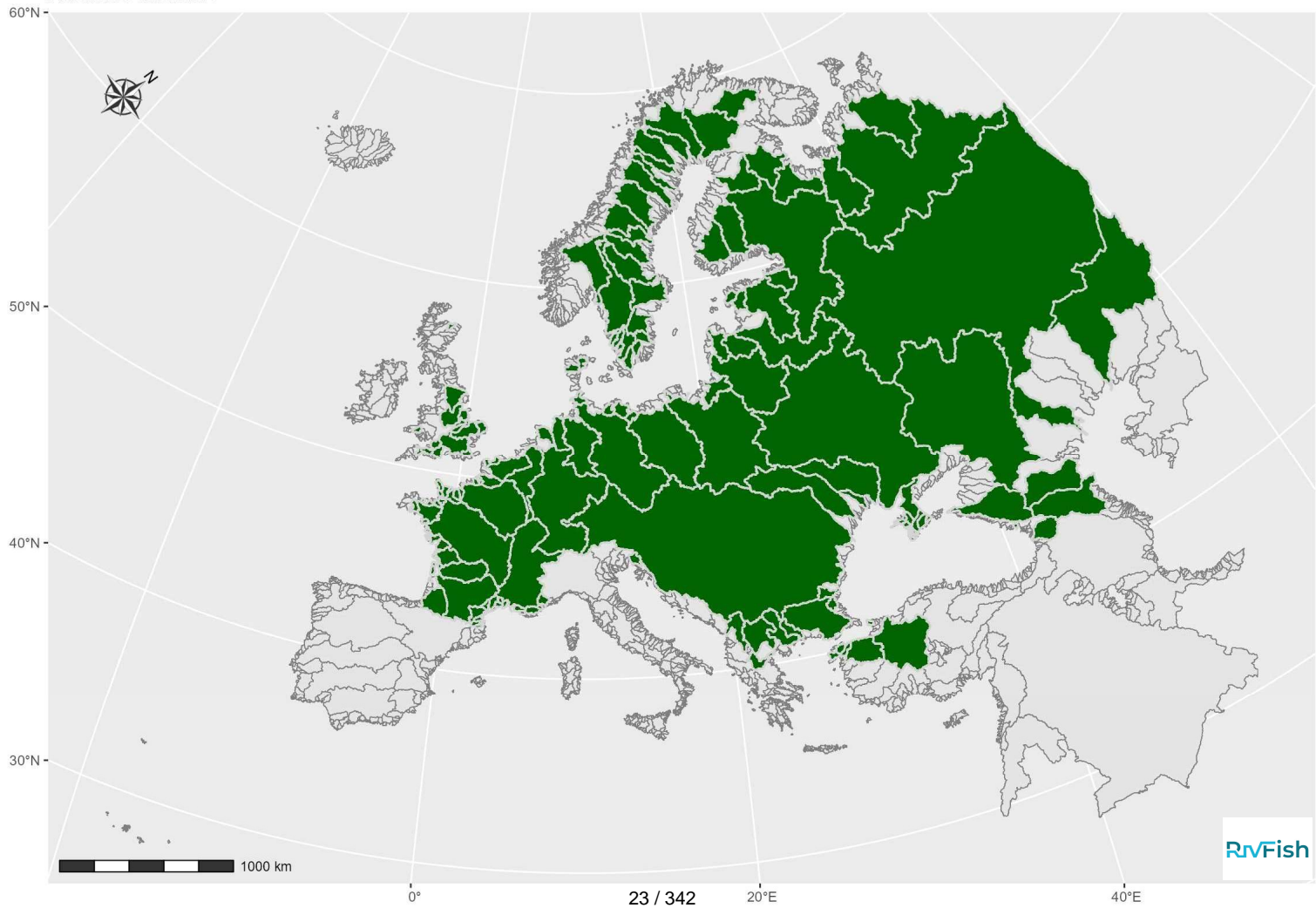
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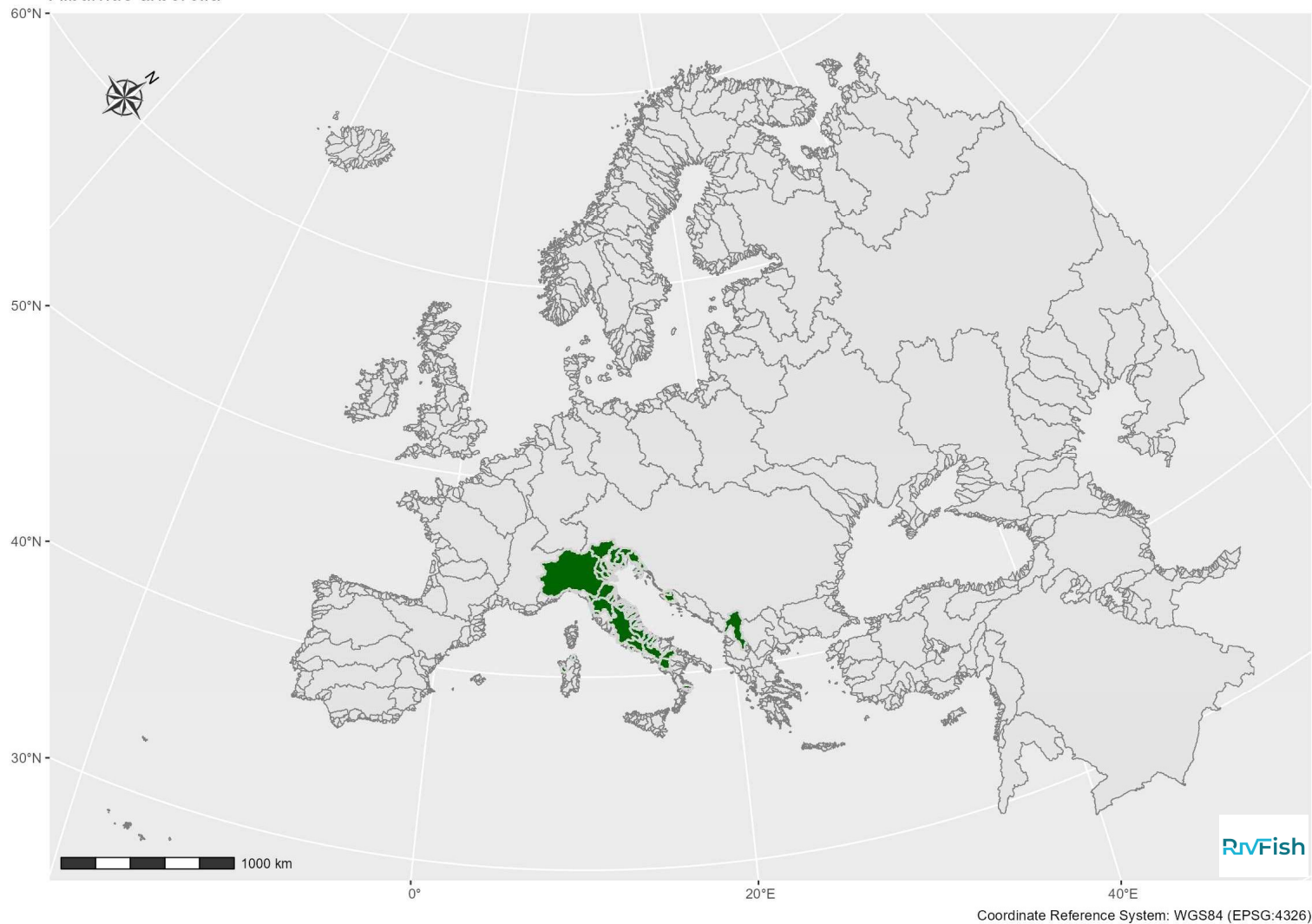
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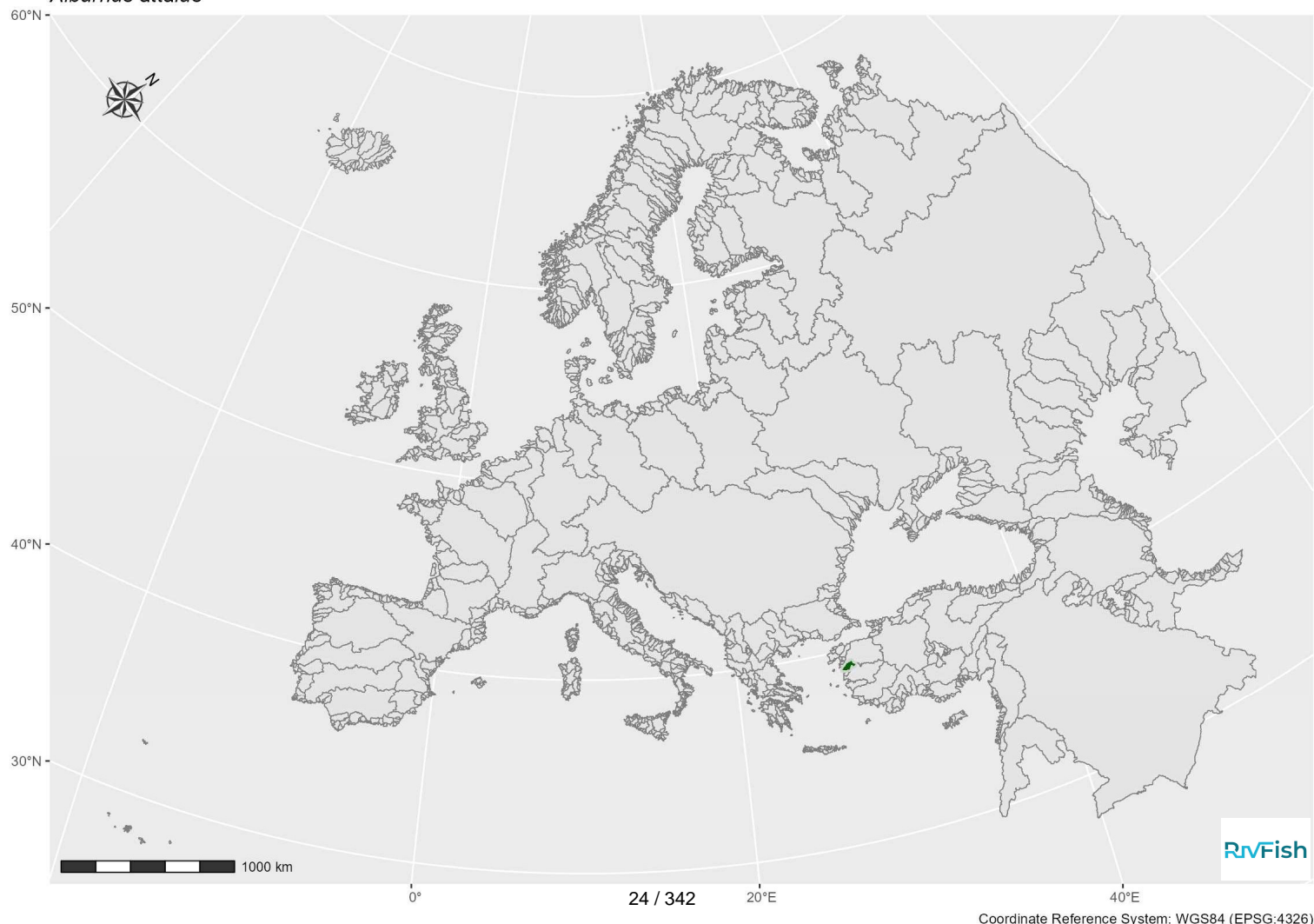
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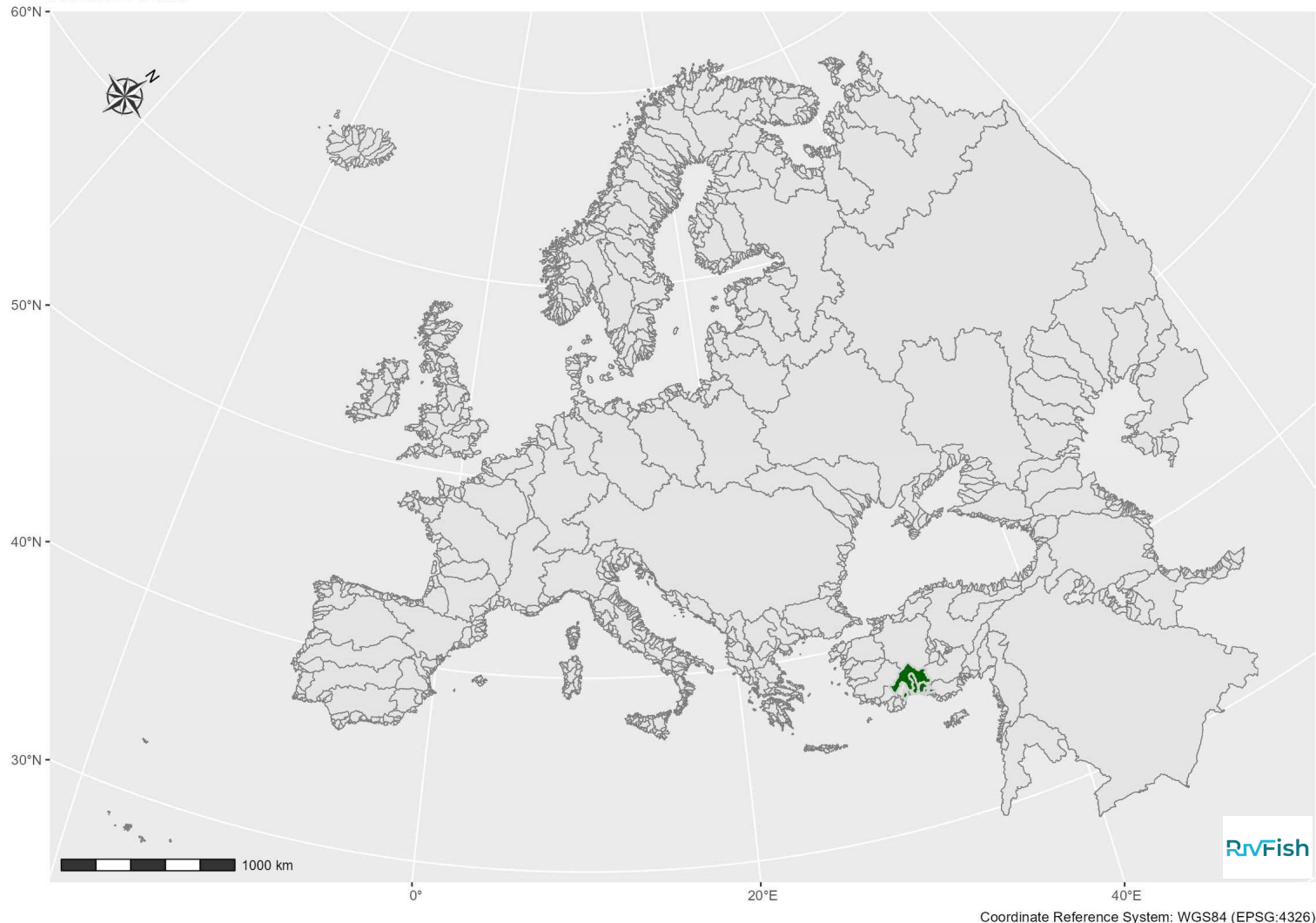
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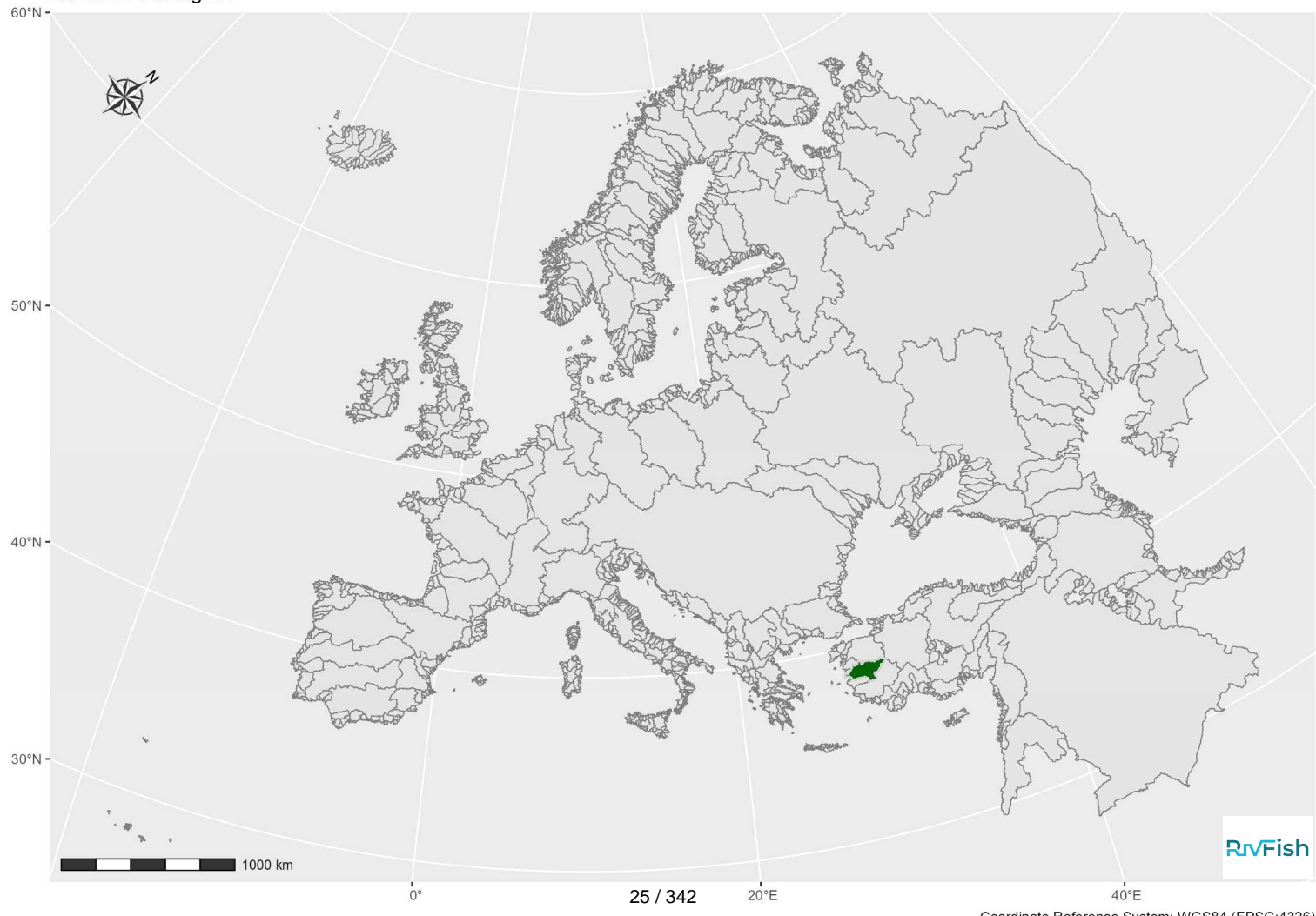
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Alburnus baliki



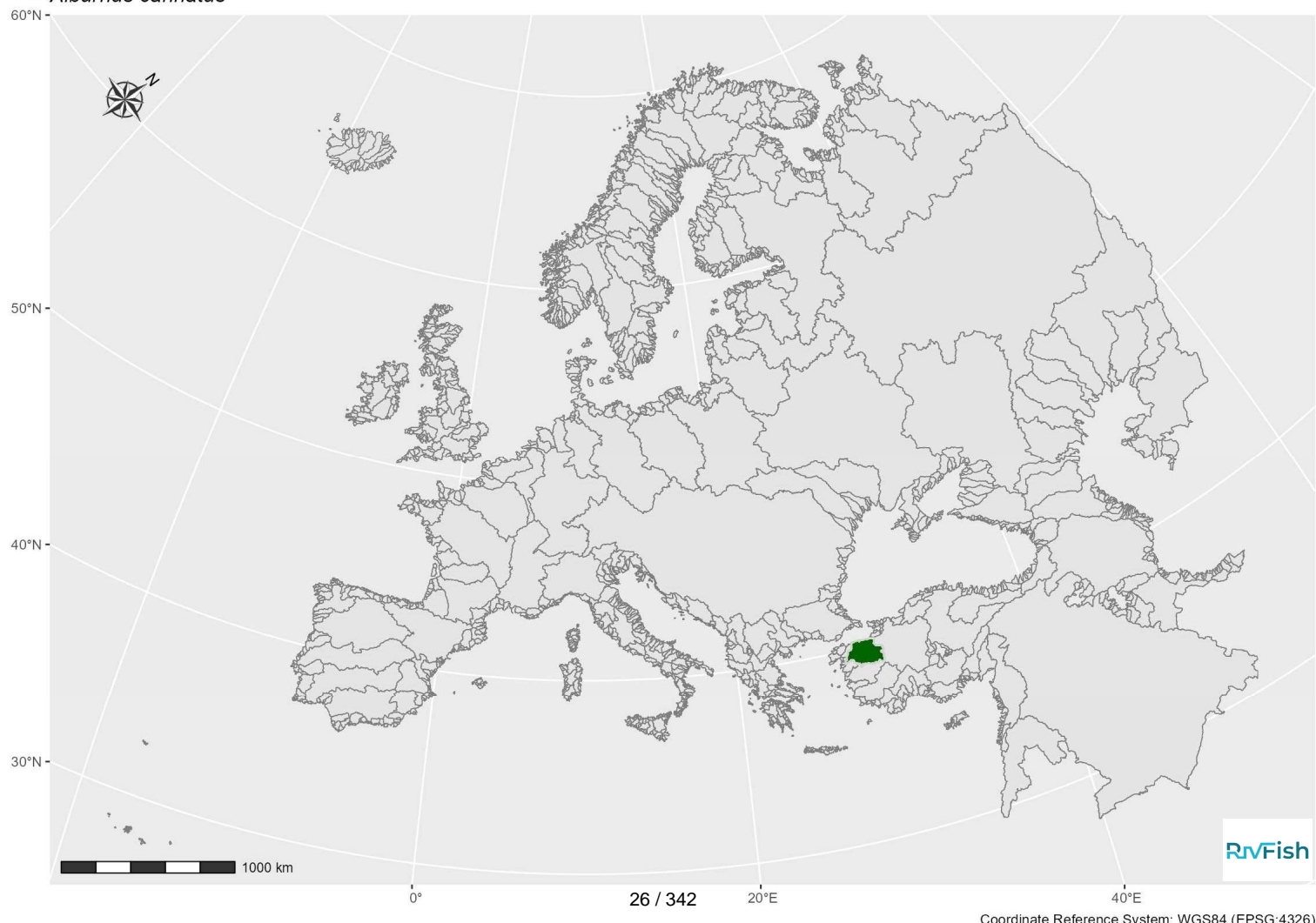
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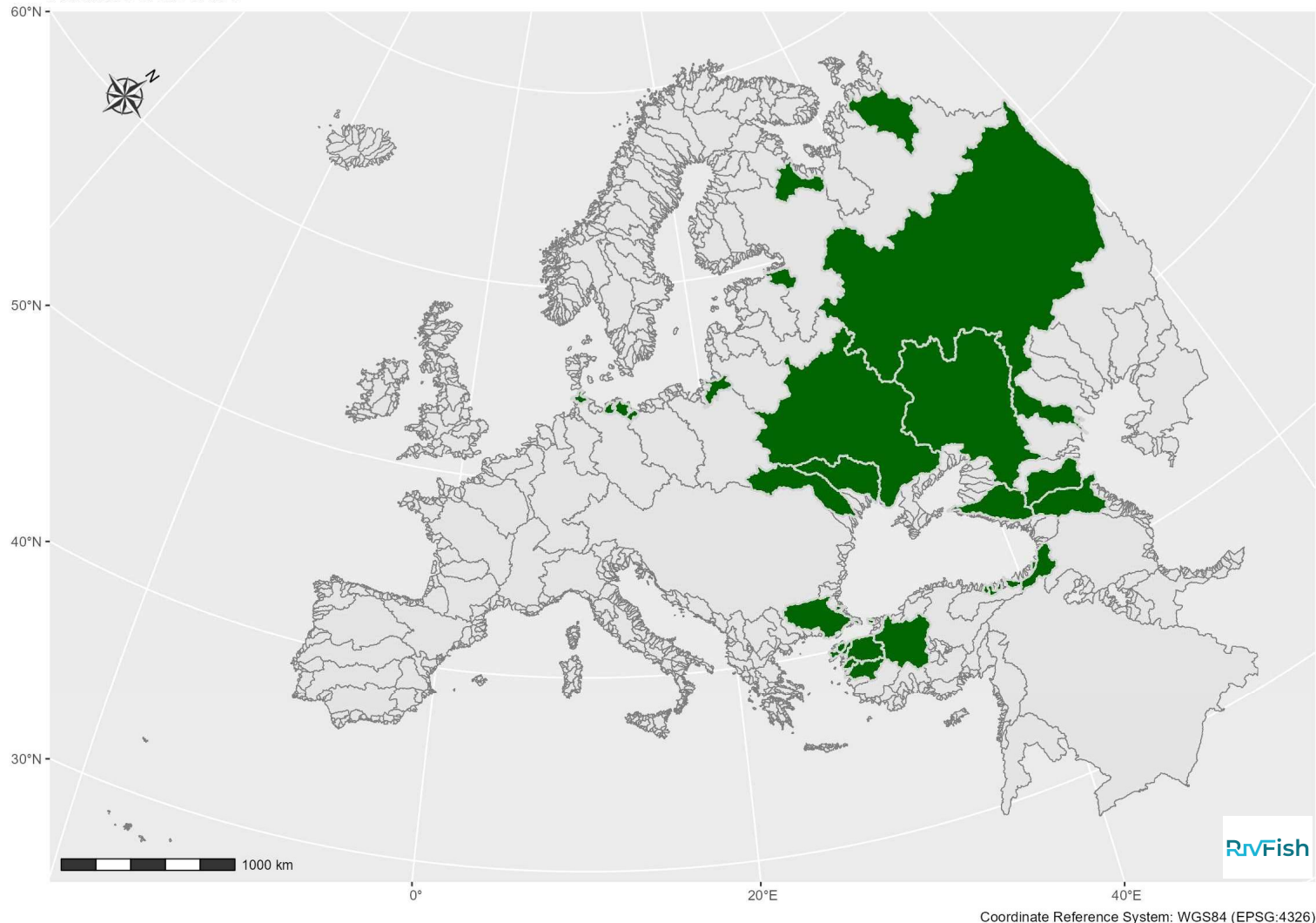
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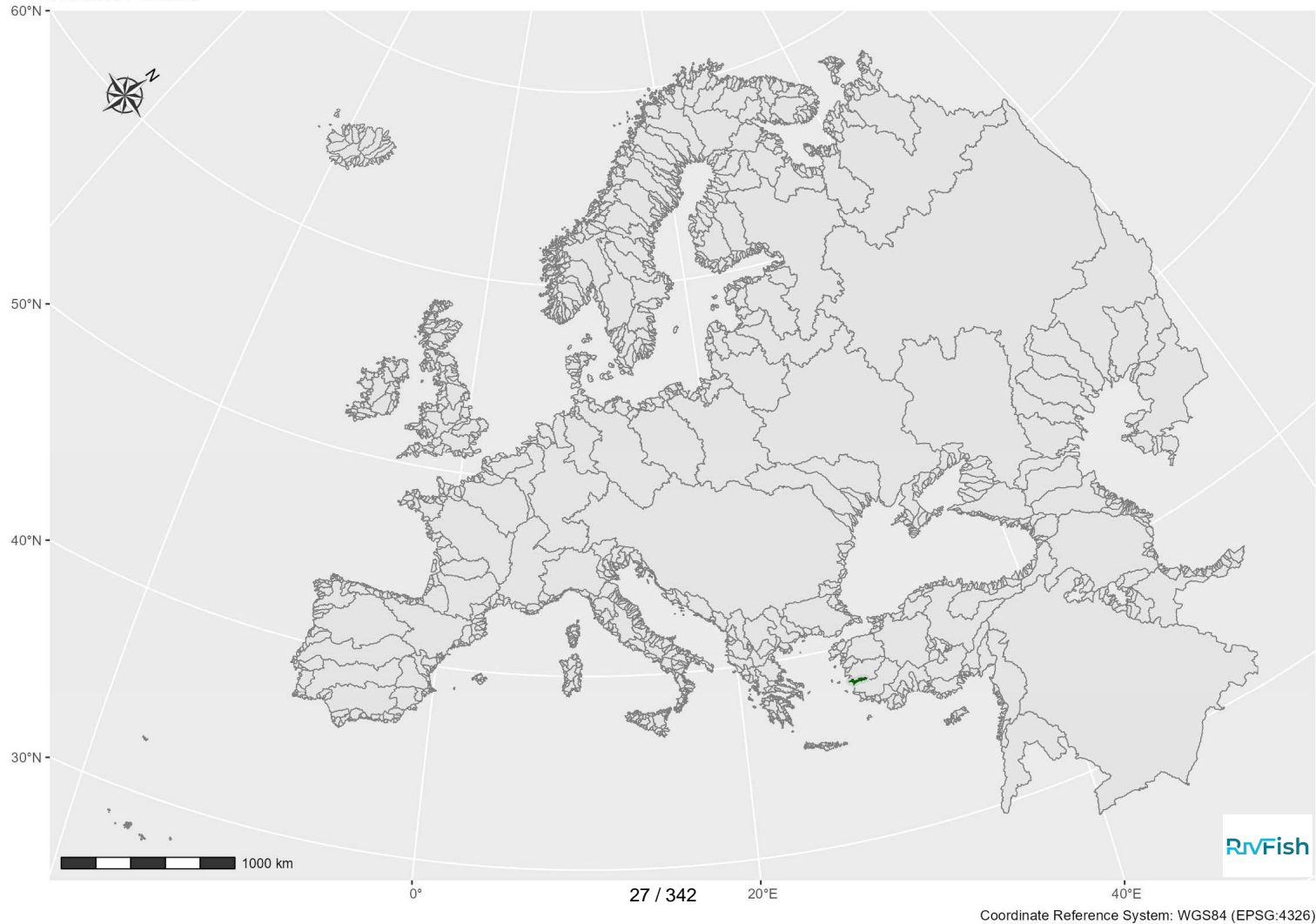
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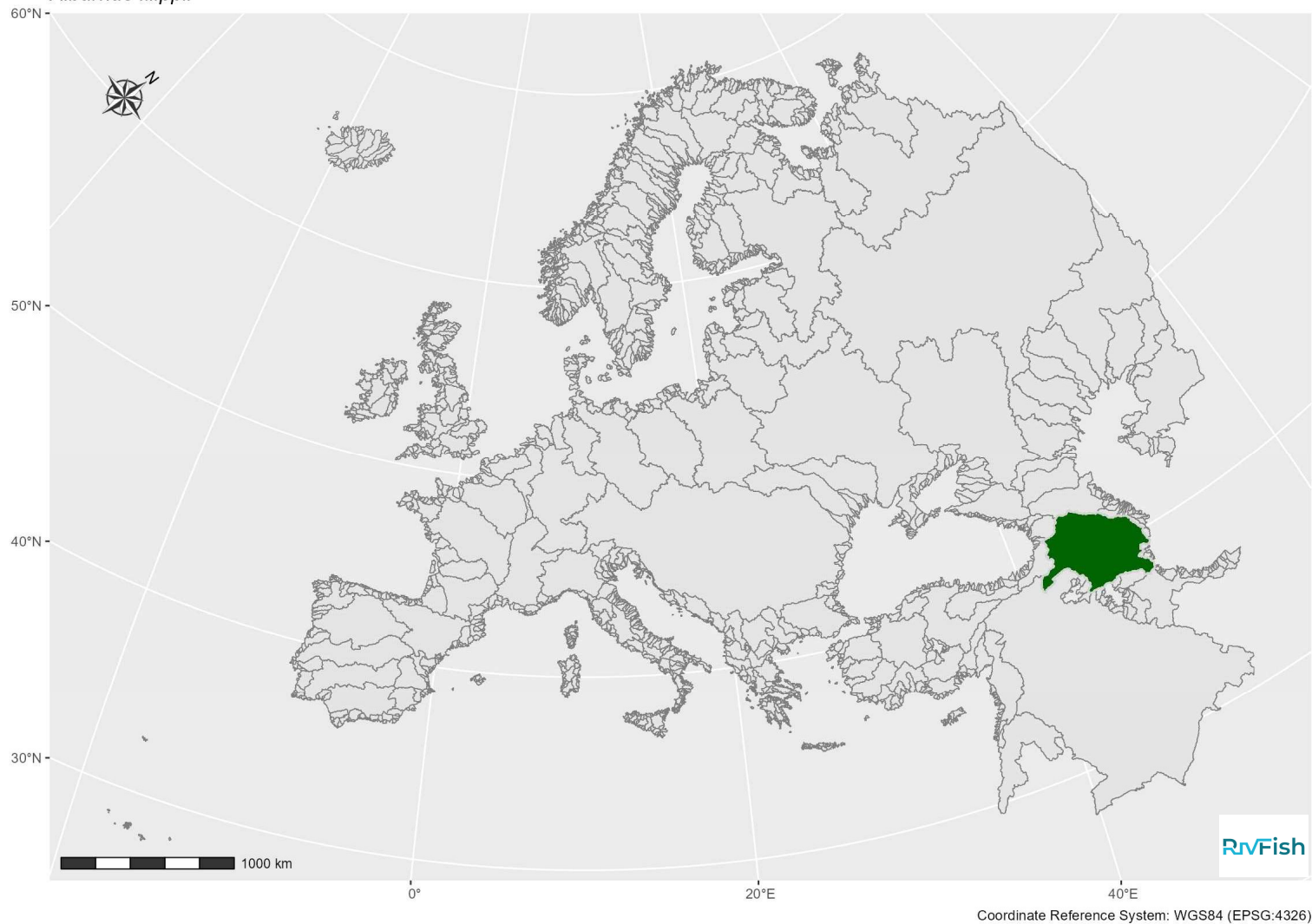
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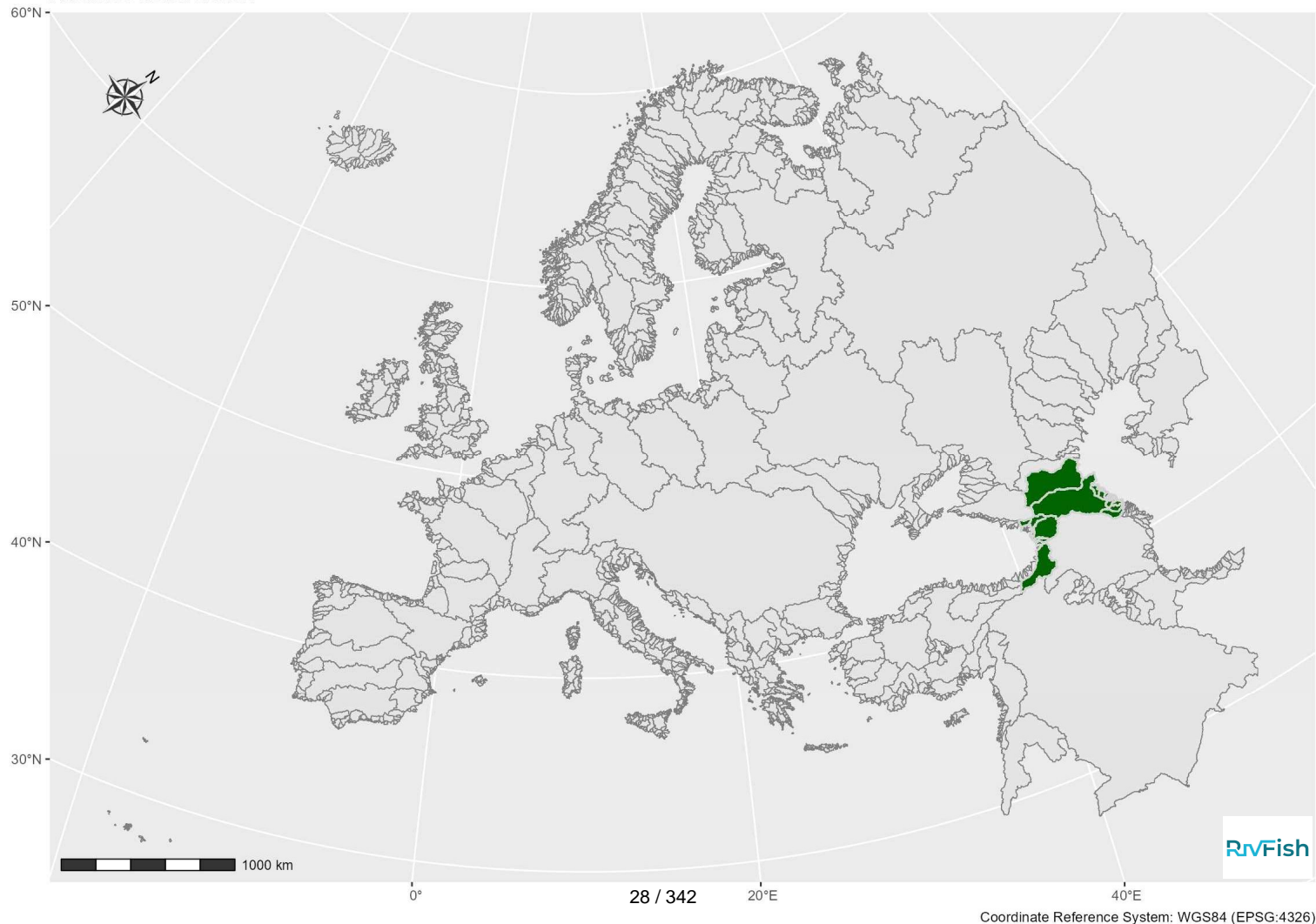
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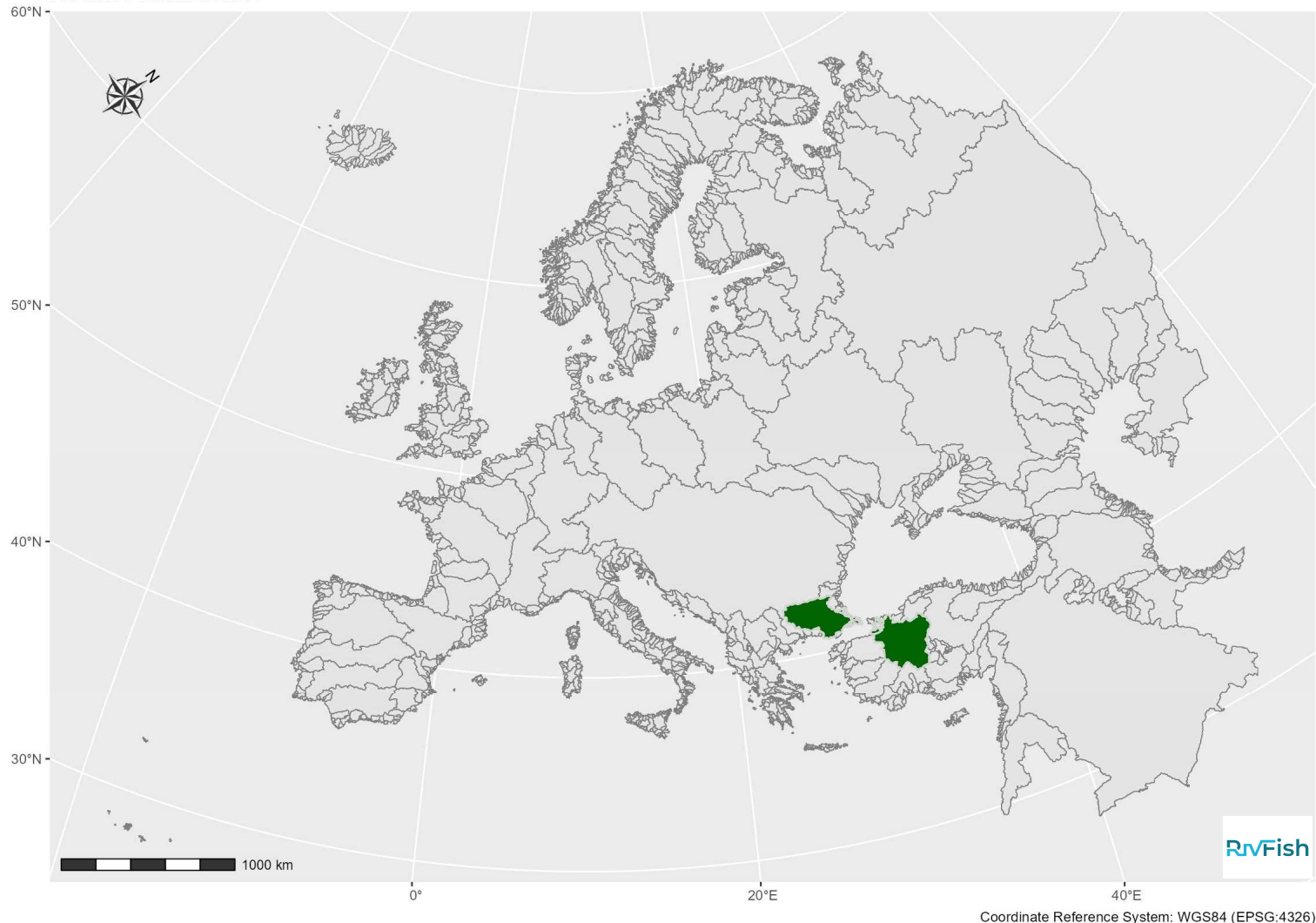
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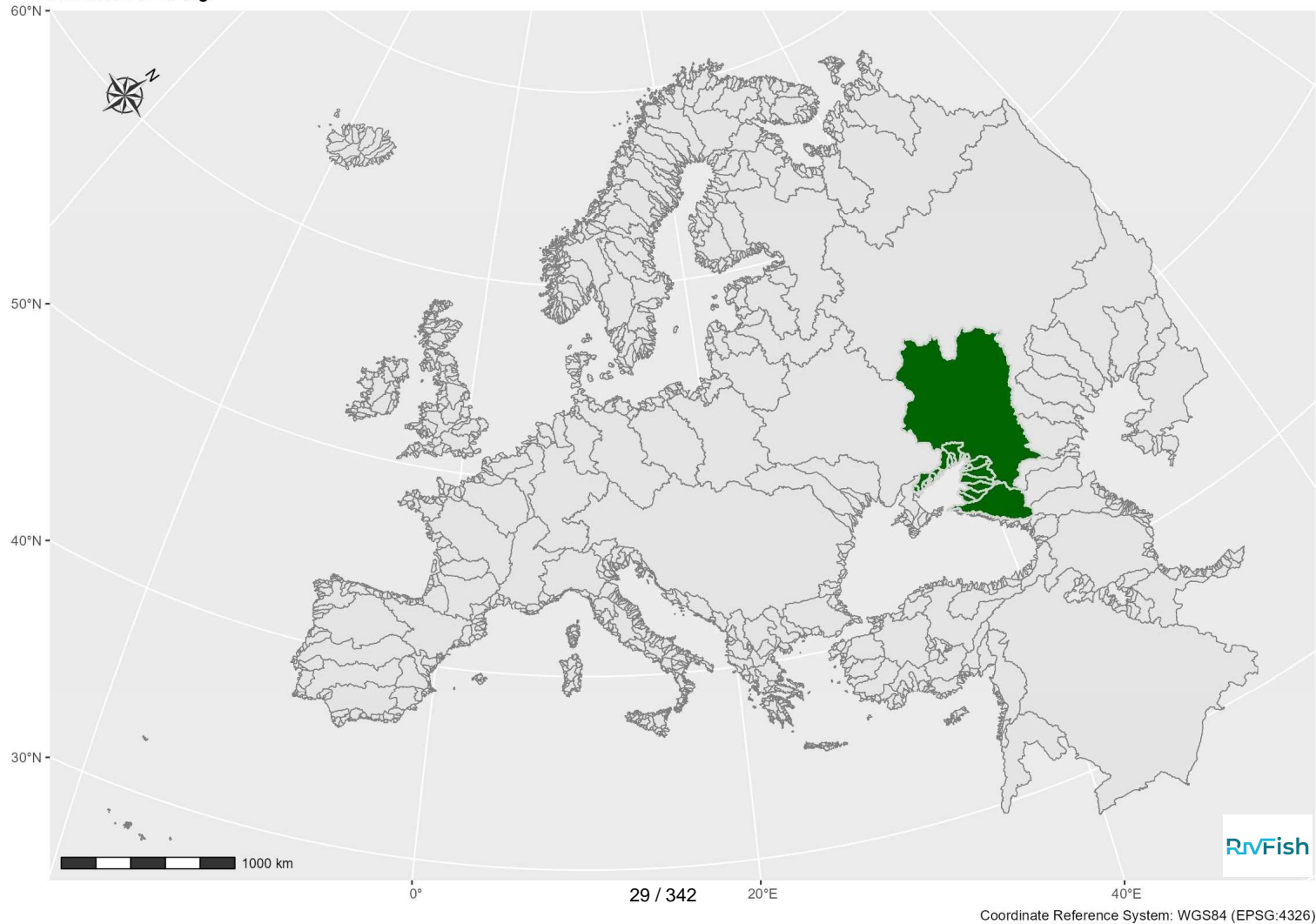
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Alburnus istanbulensis



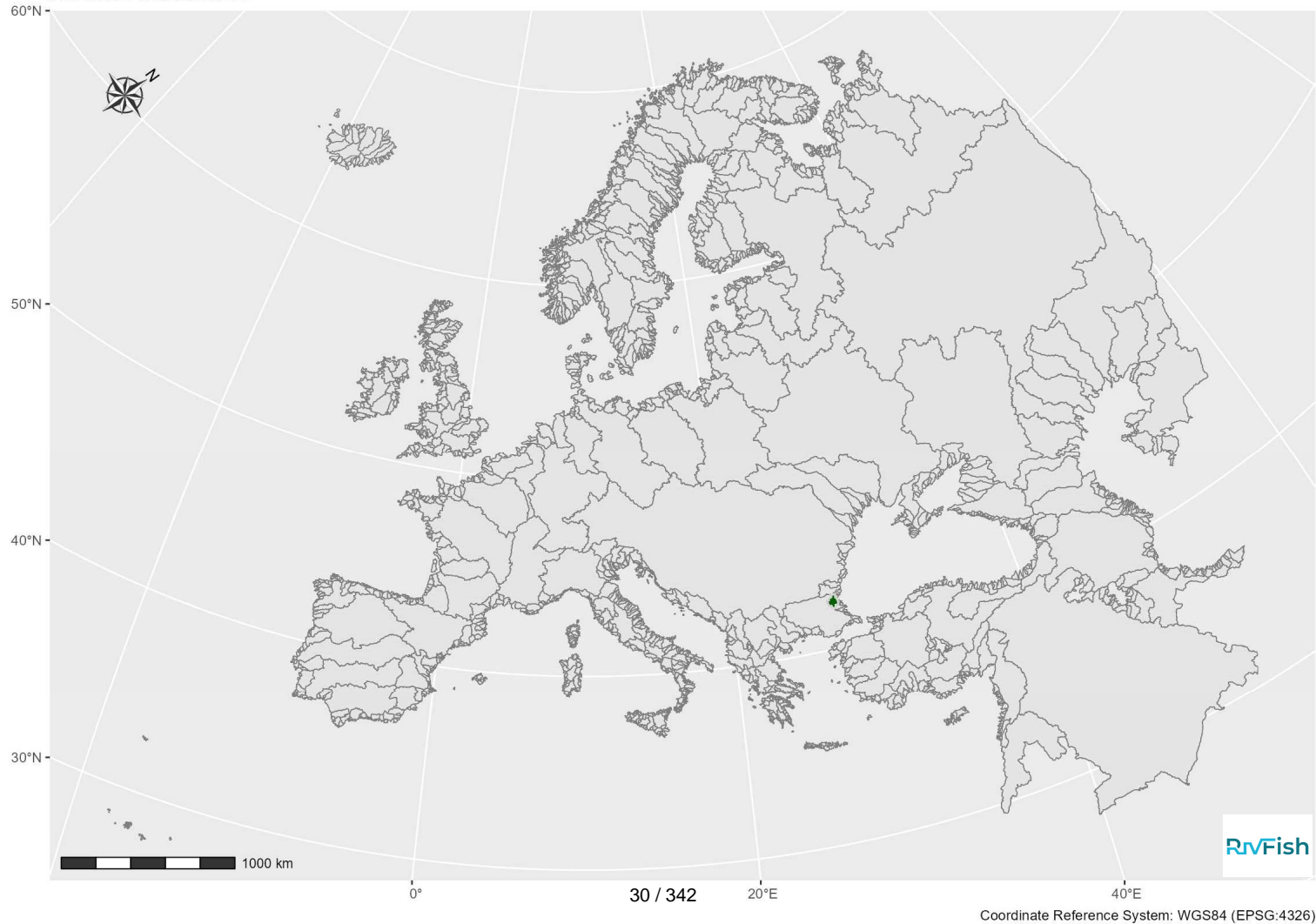
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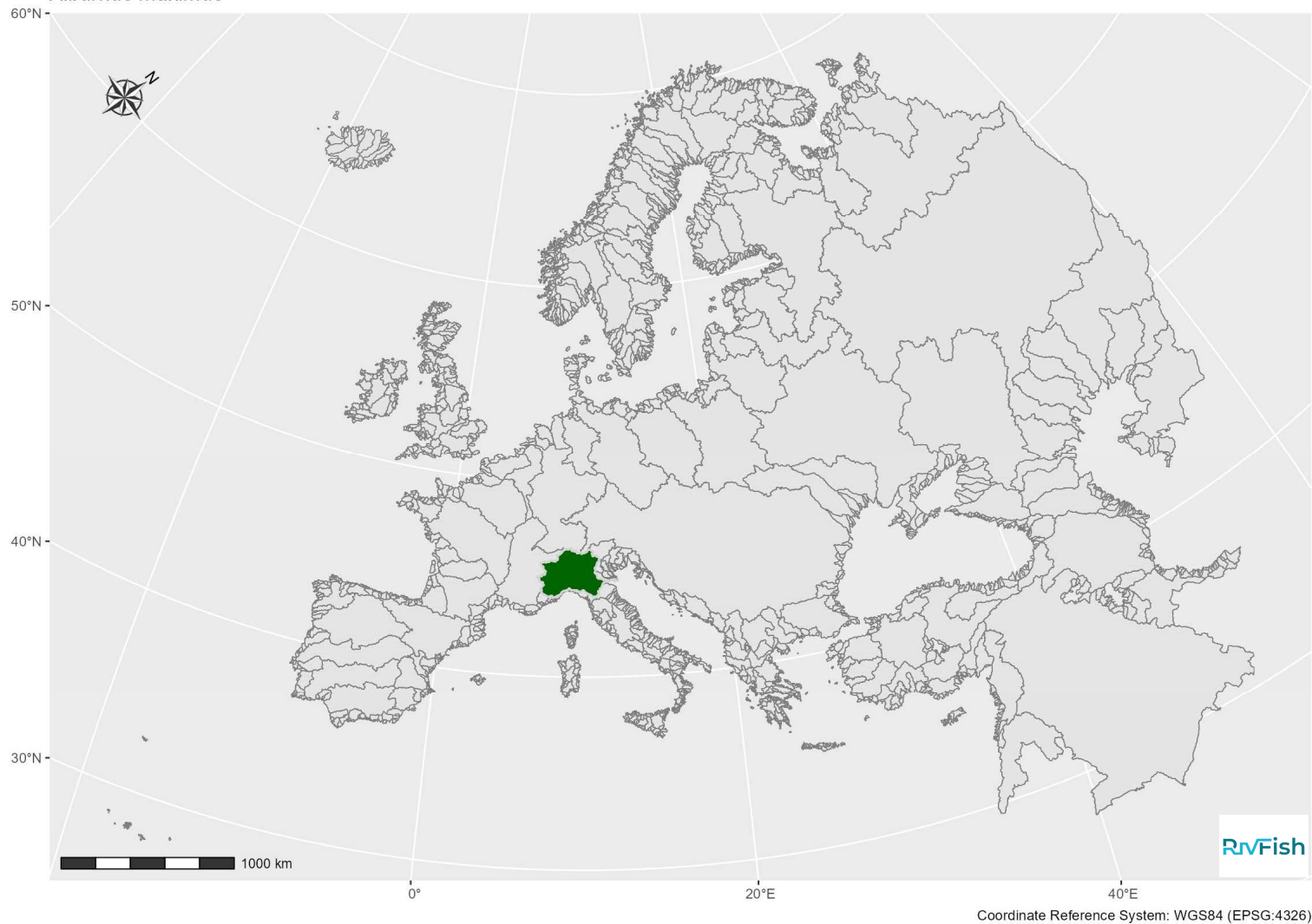
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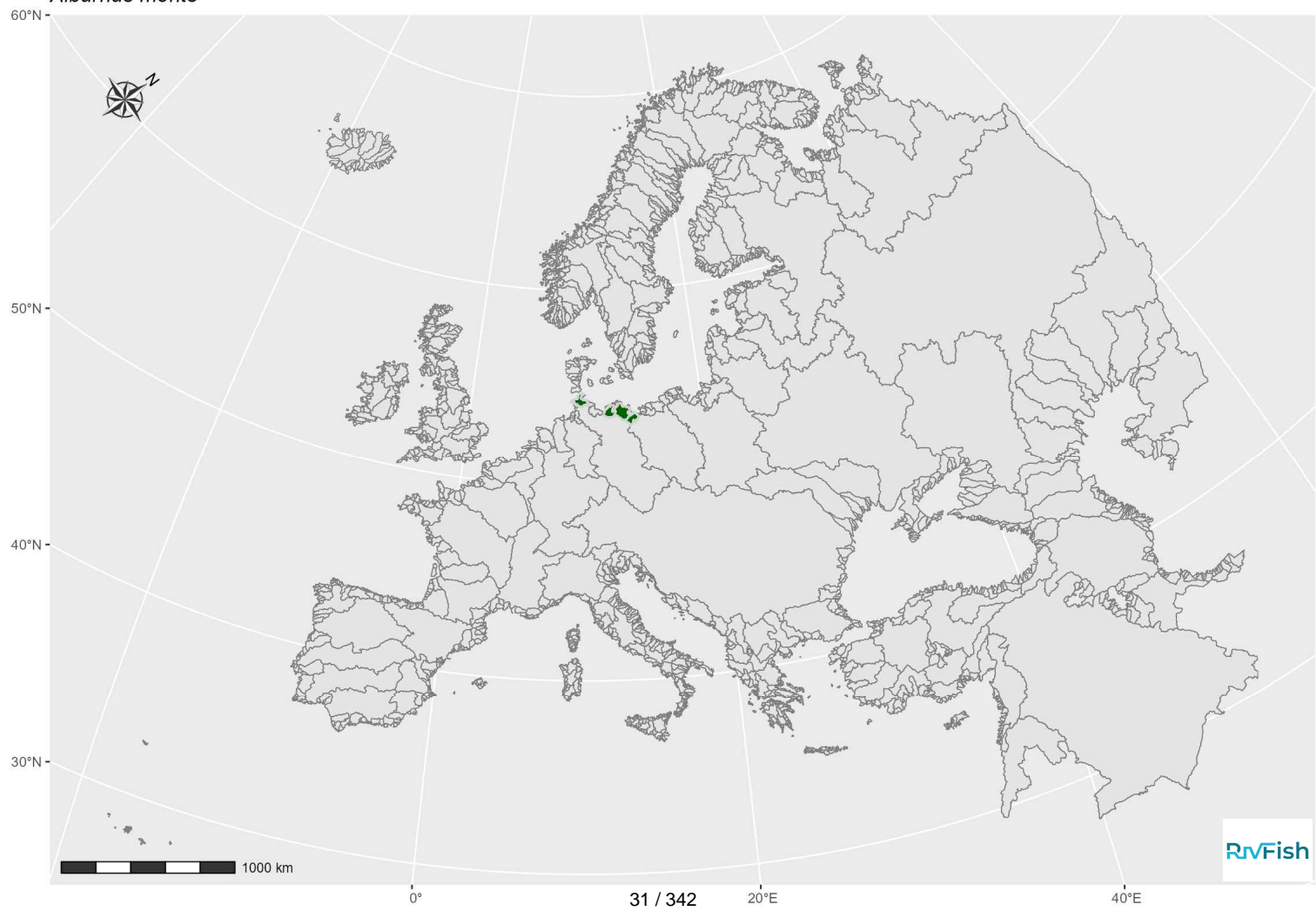
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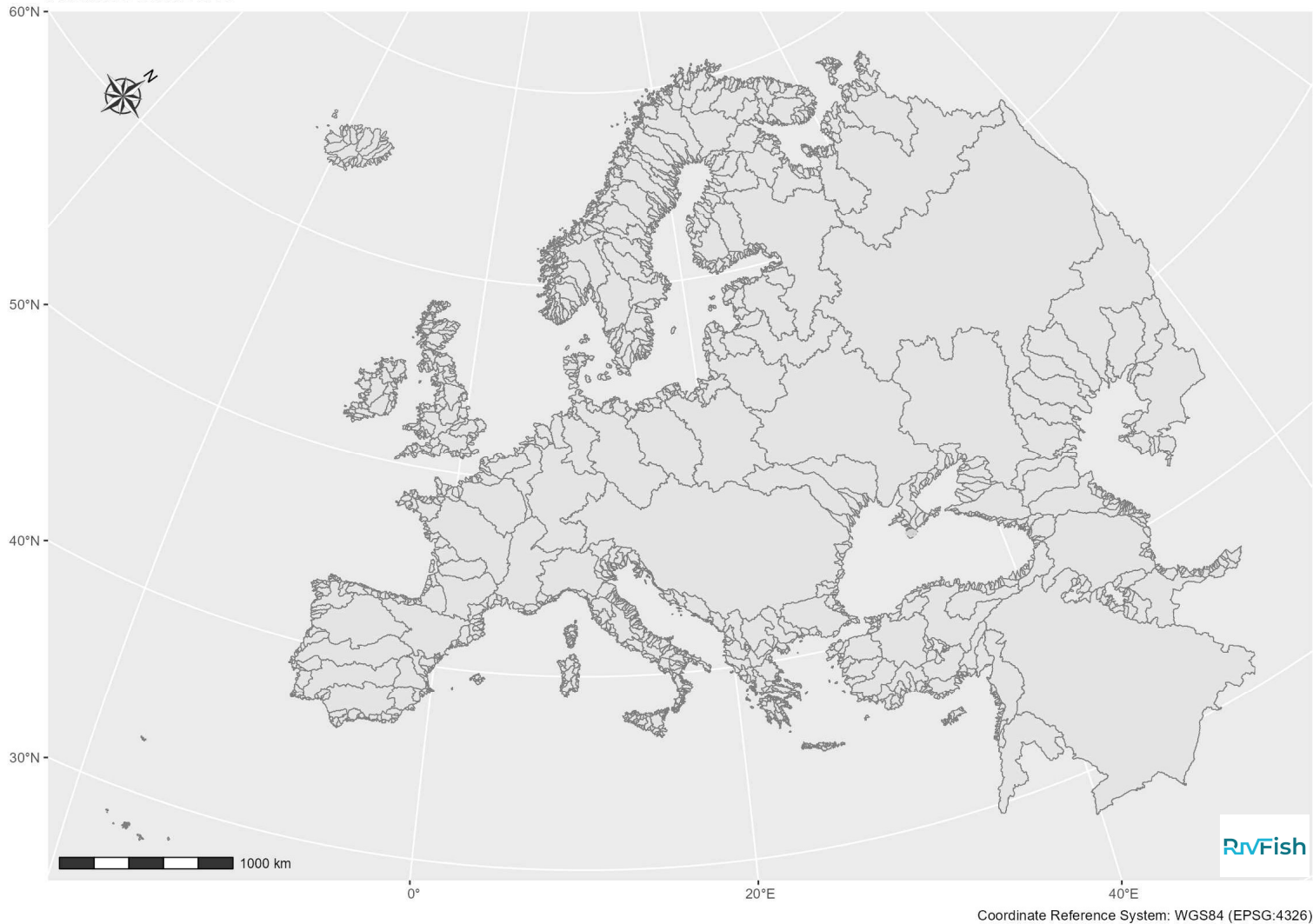
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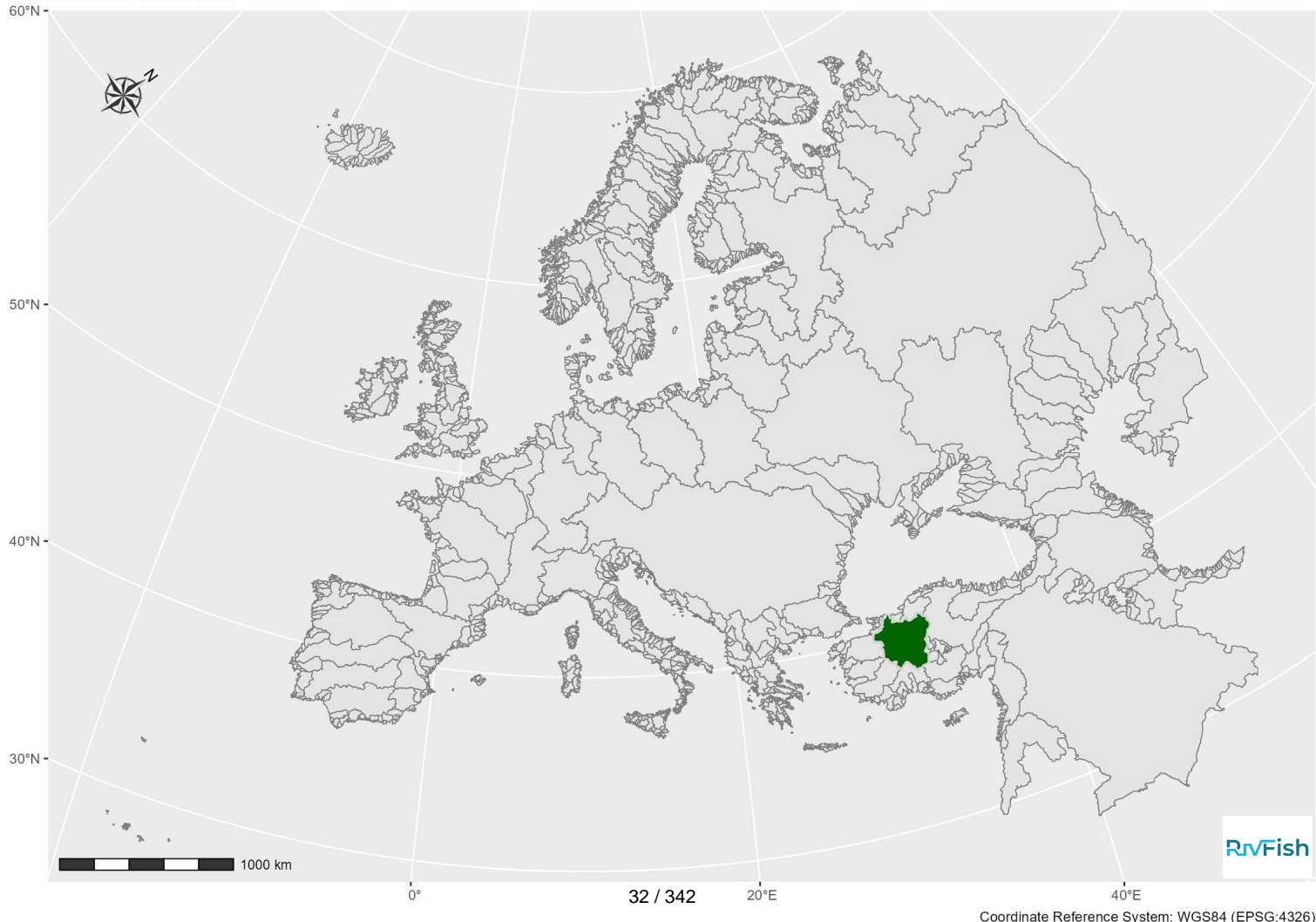
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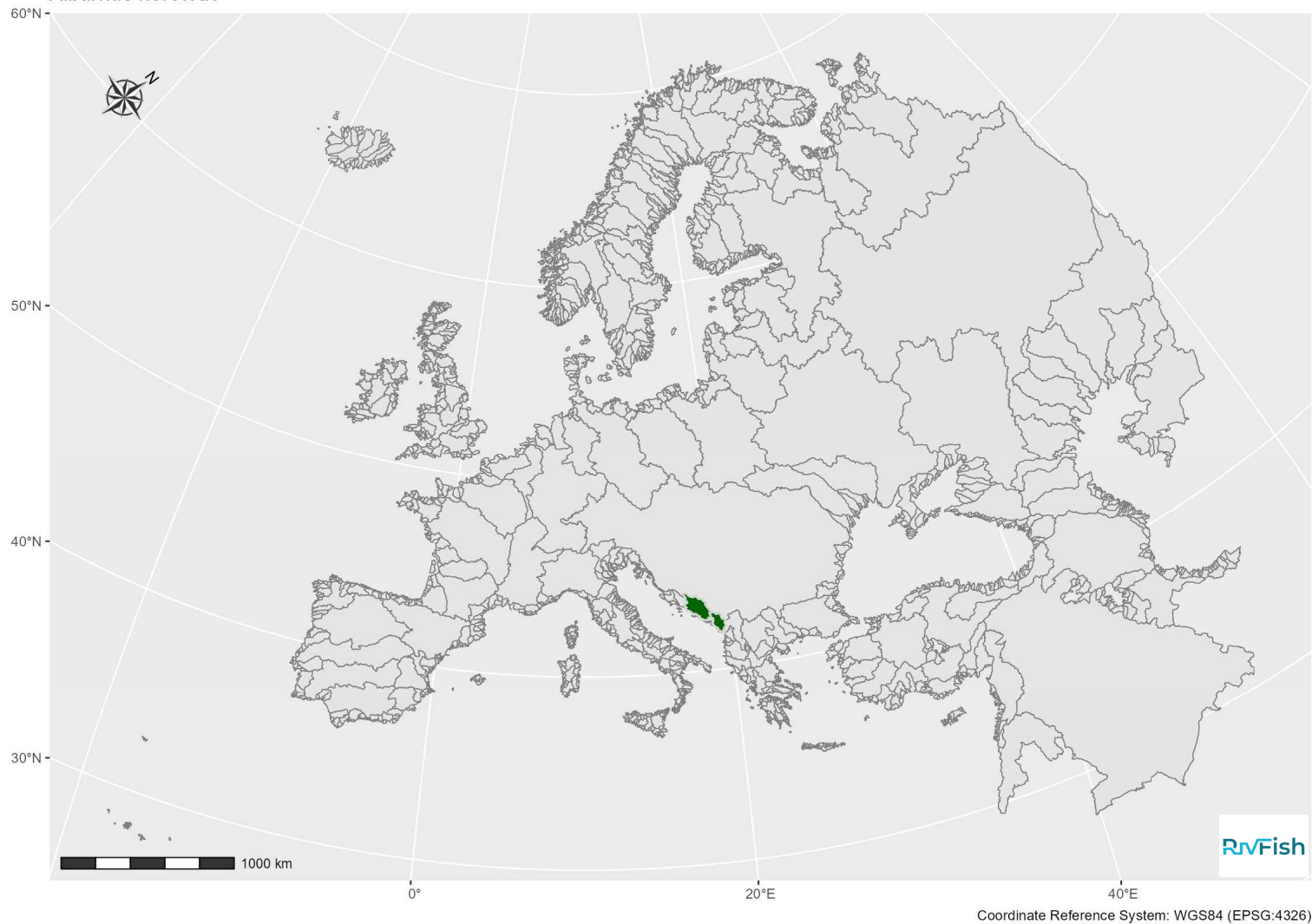
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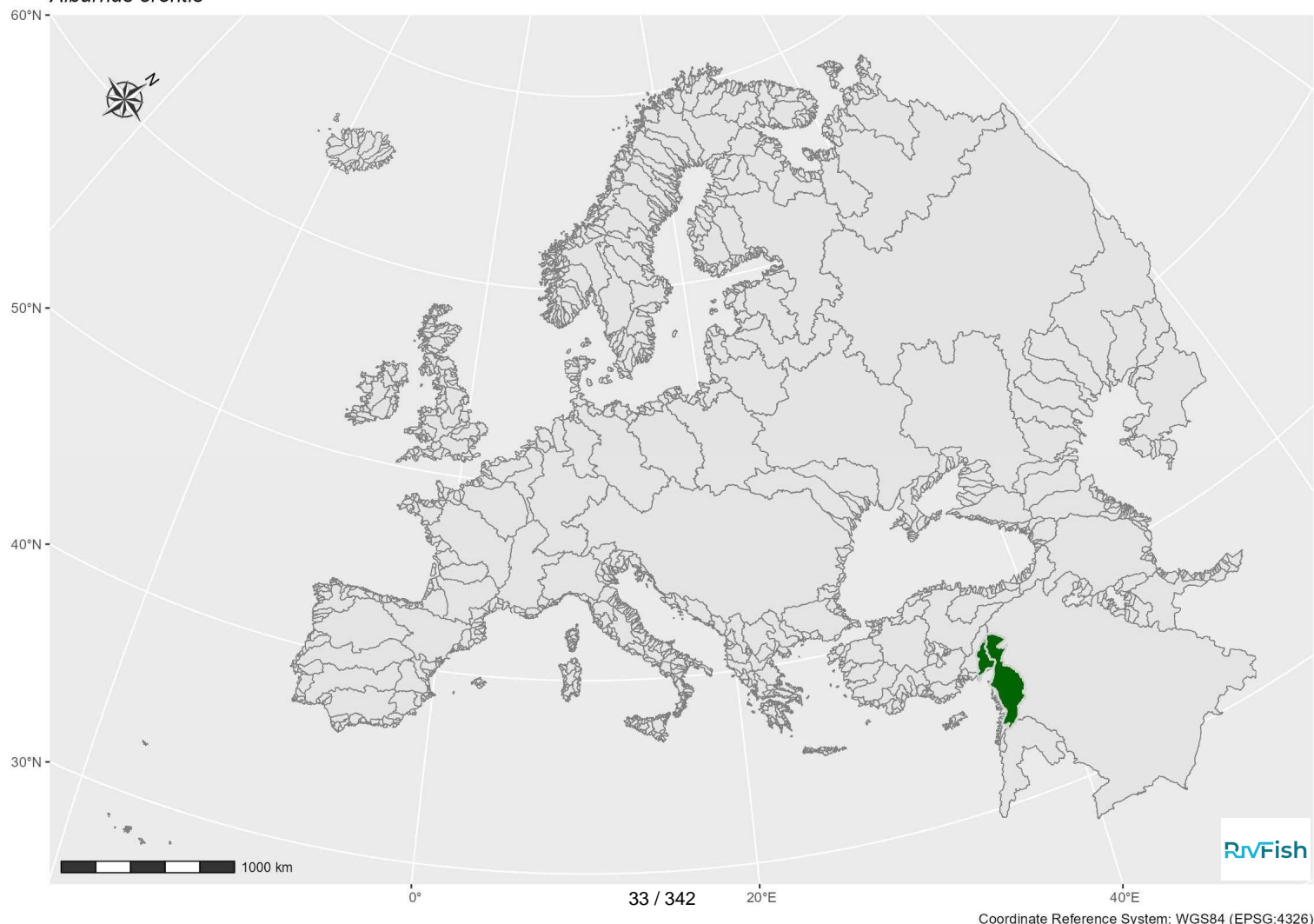
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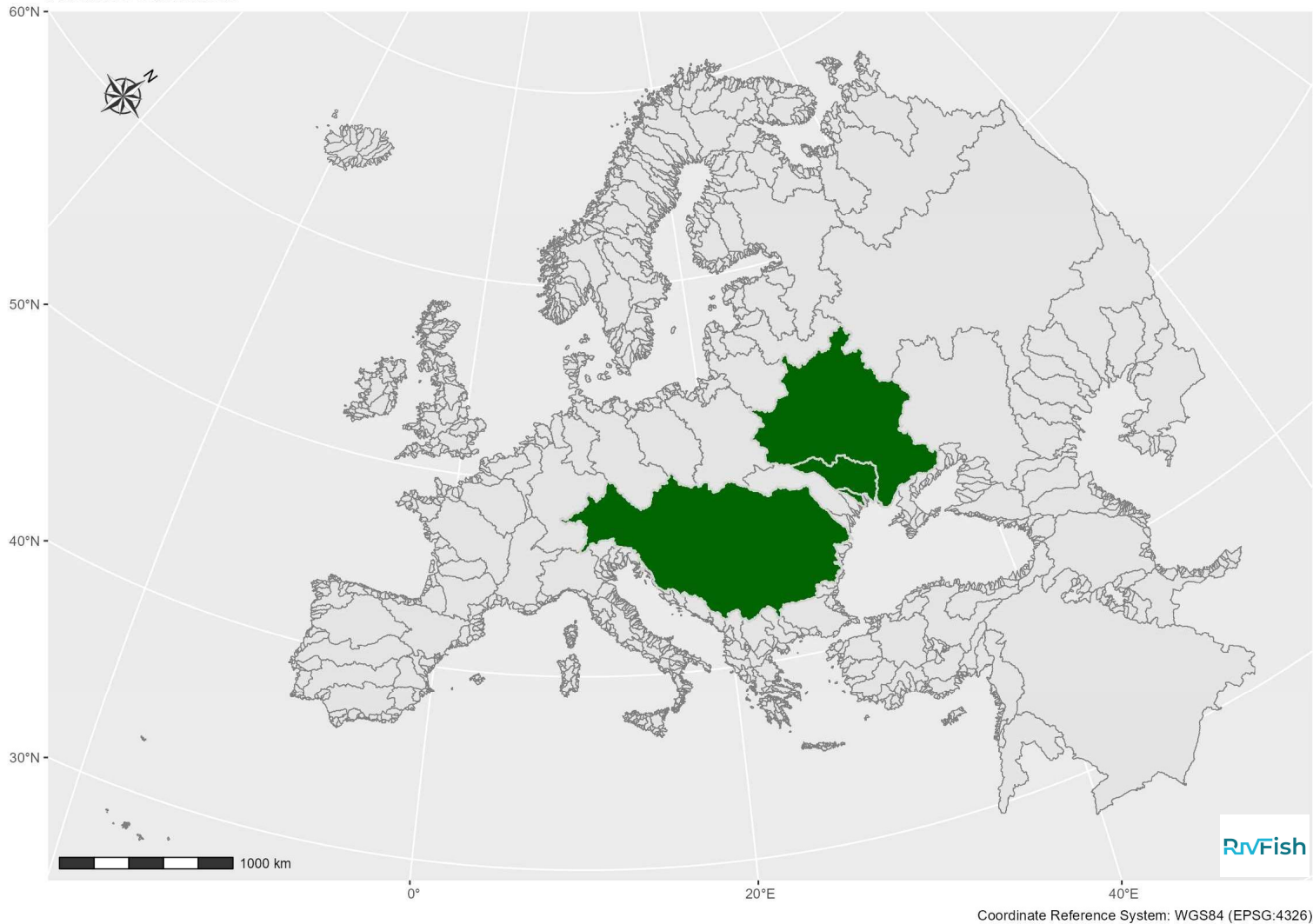
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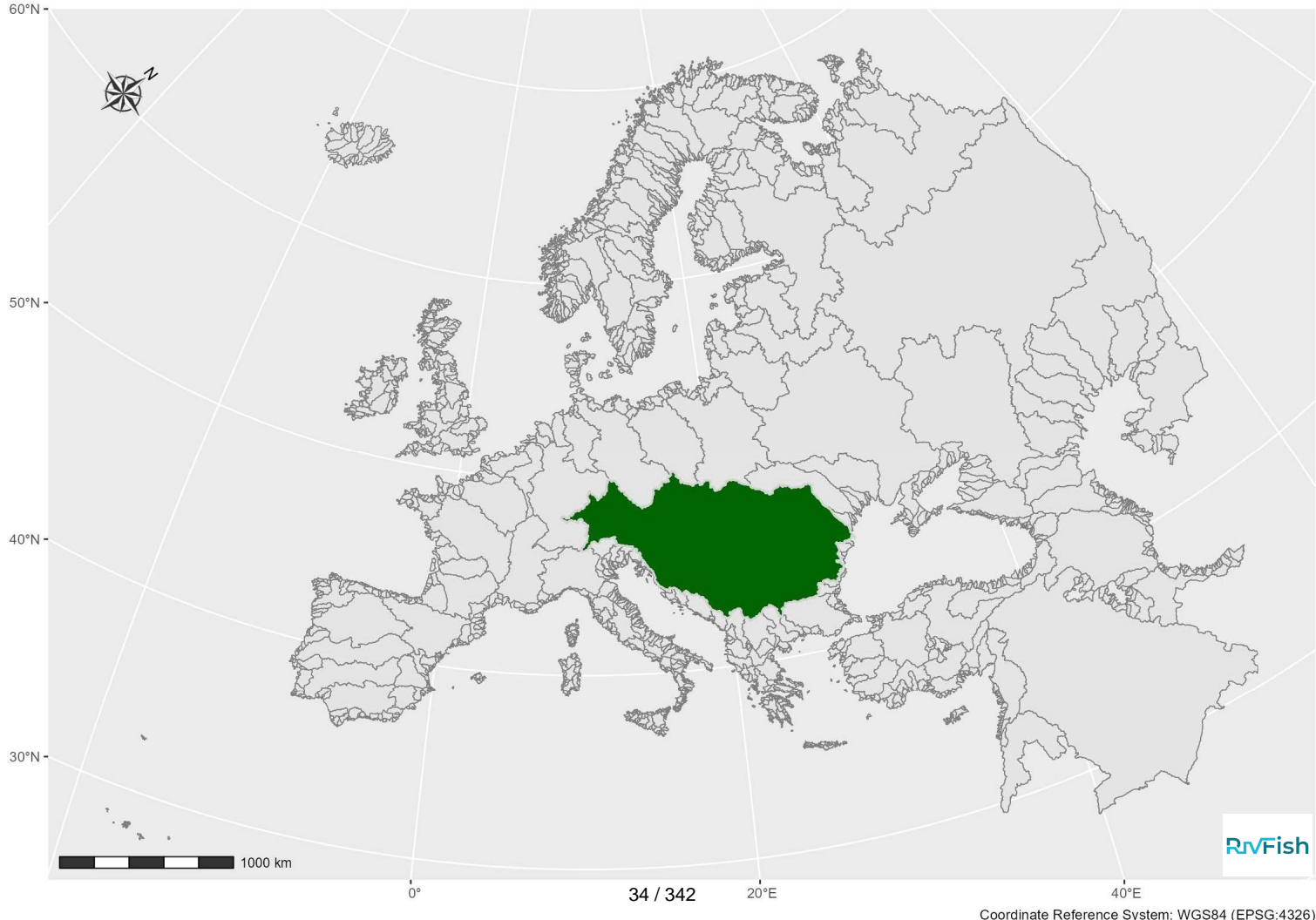
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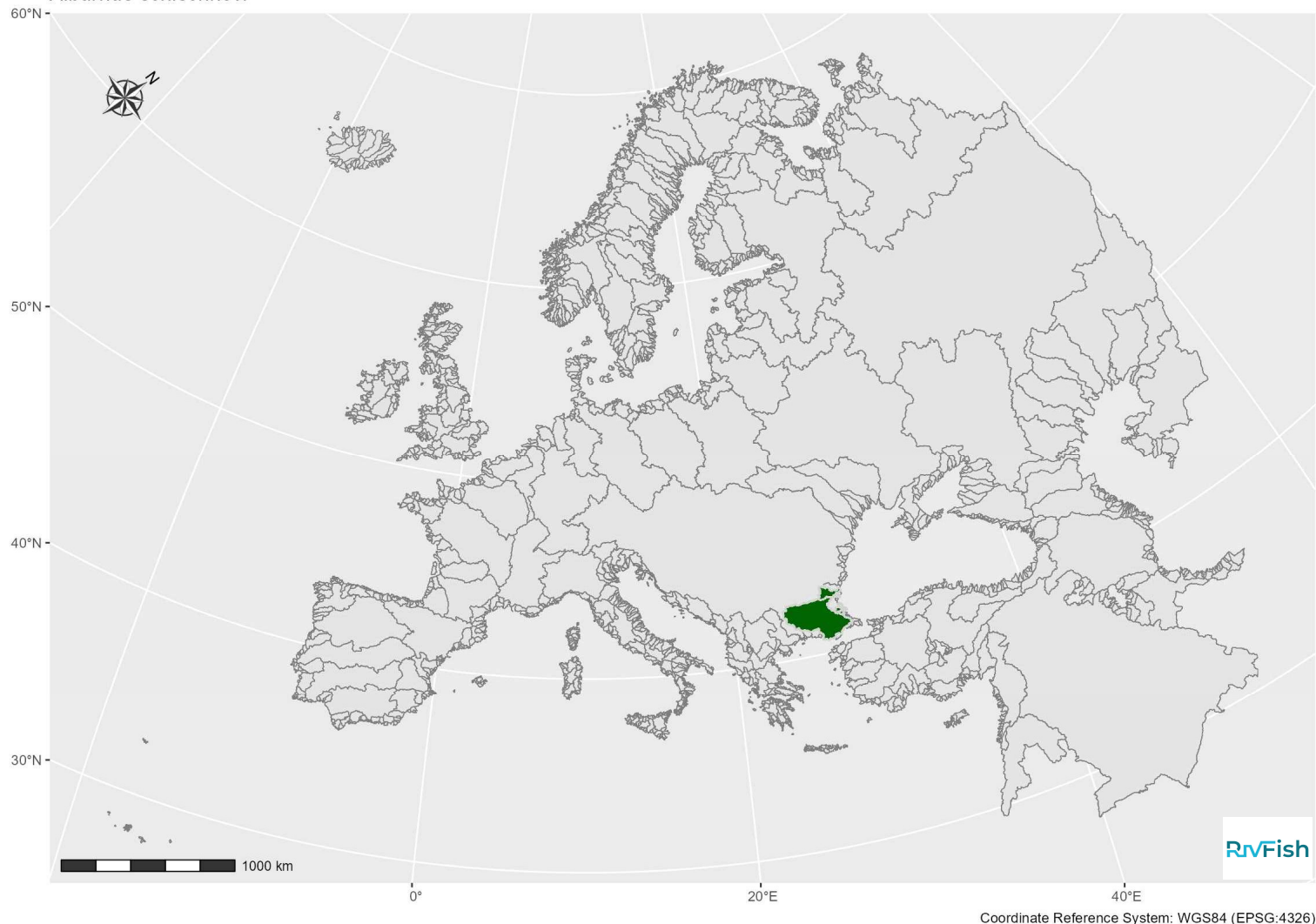
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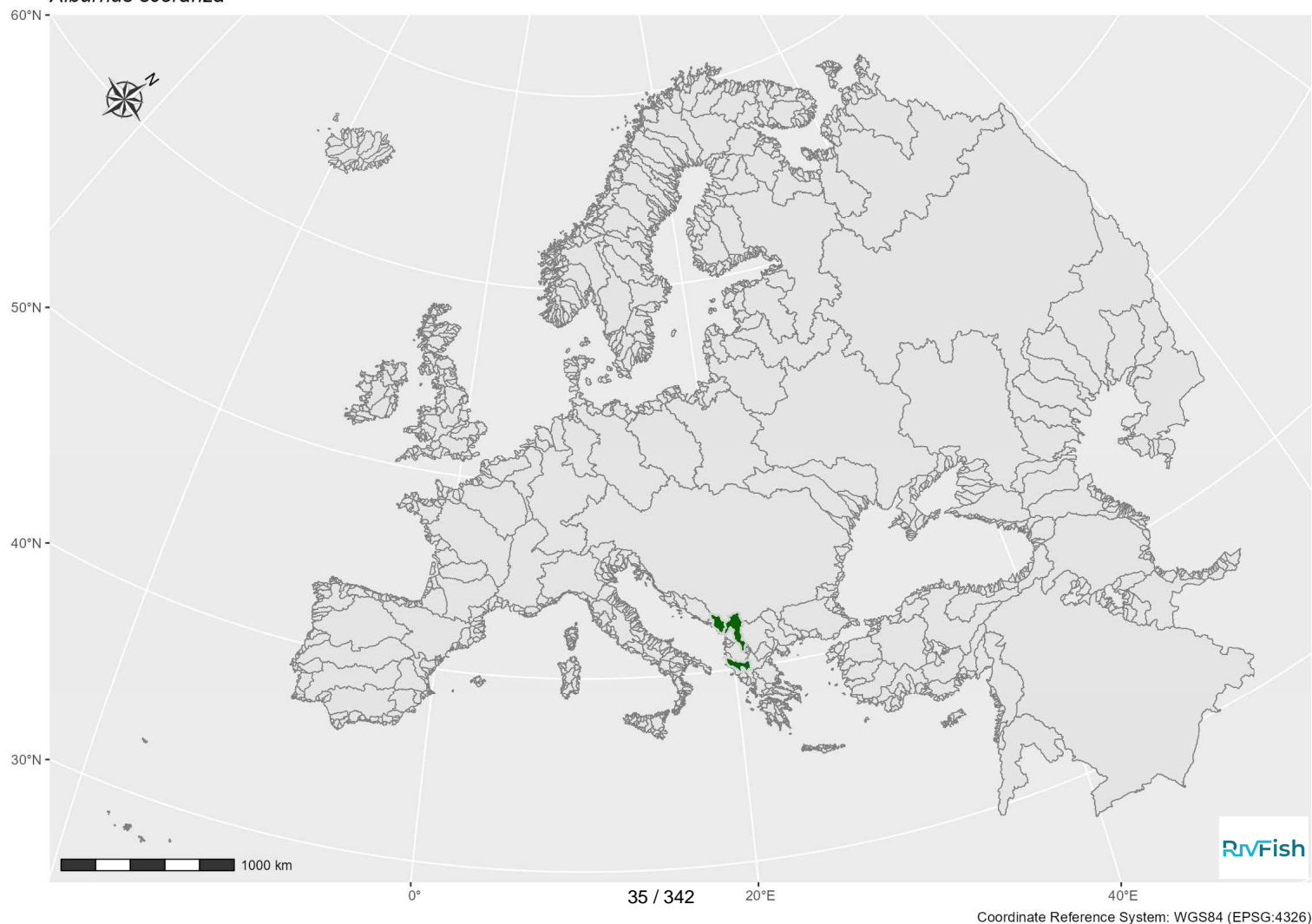
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Alburnus schischkovi



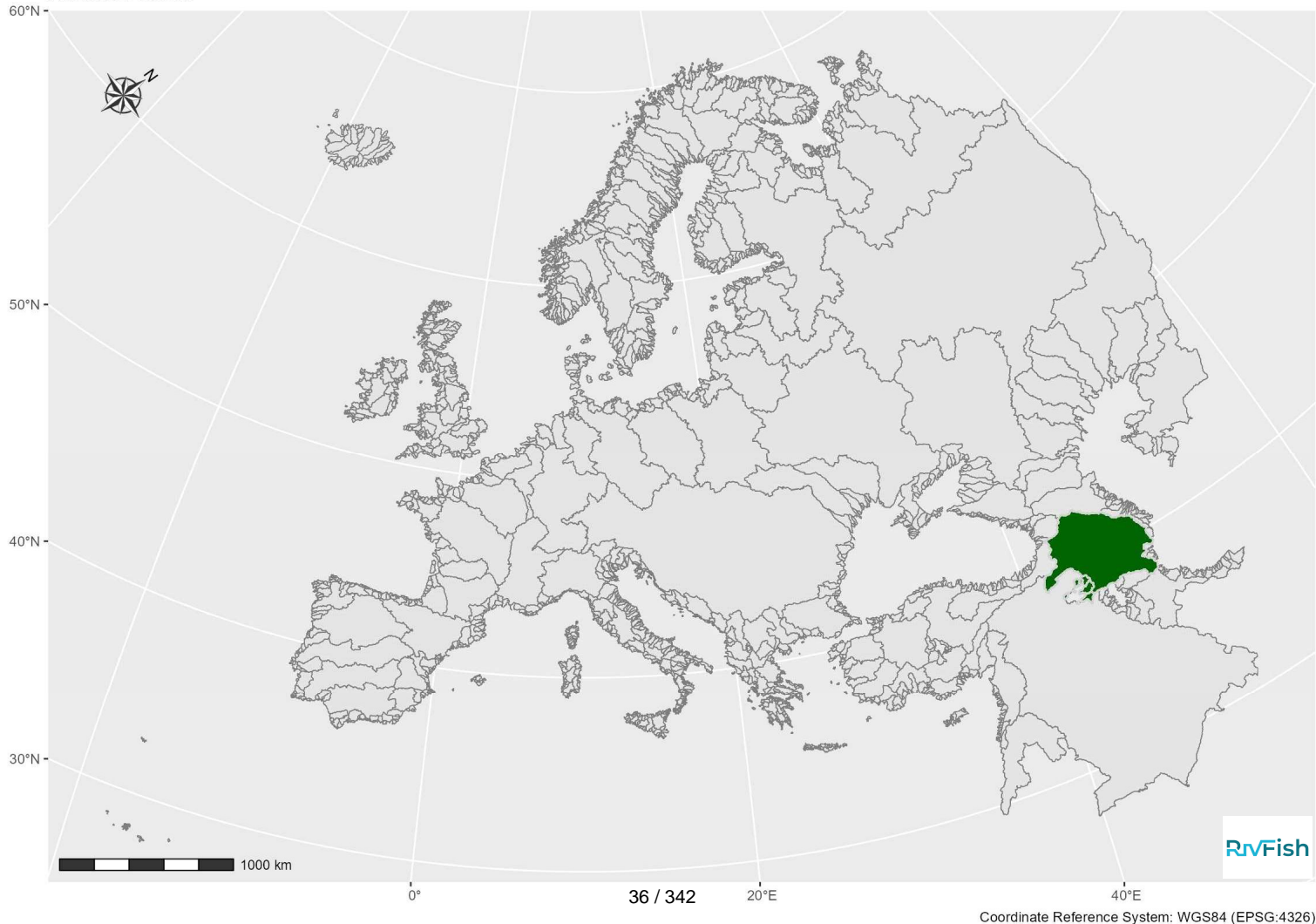
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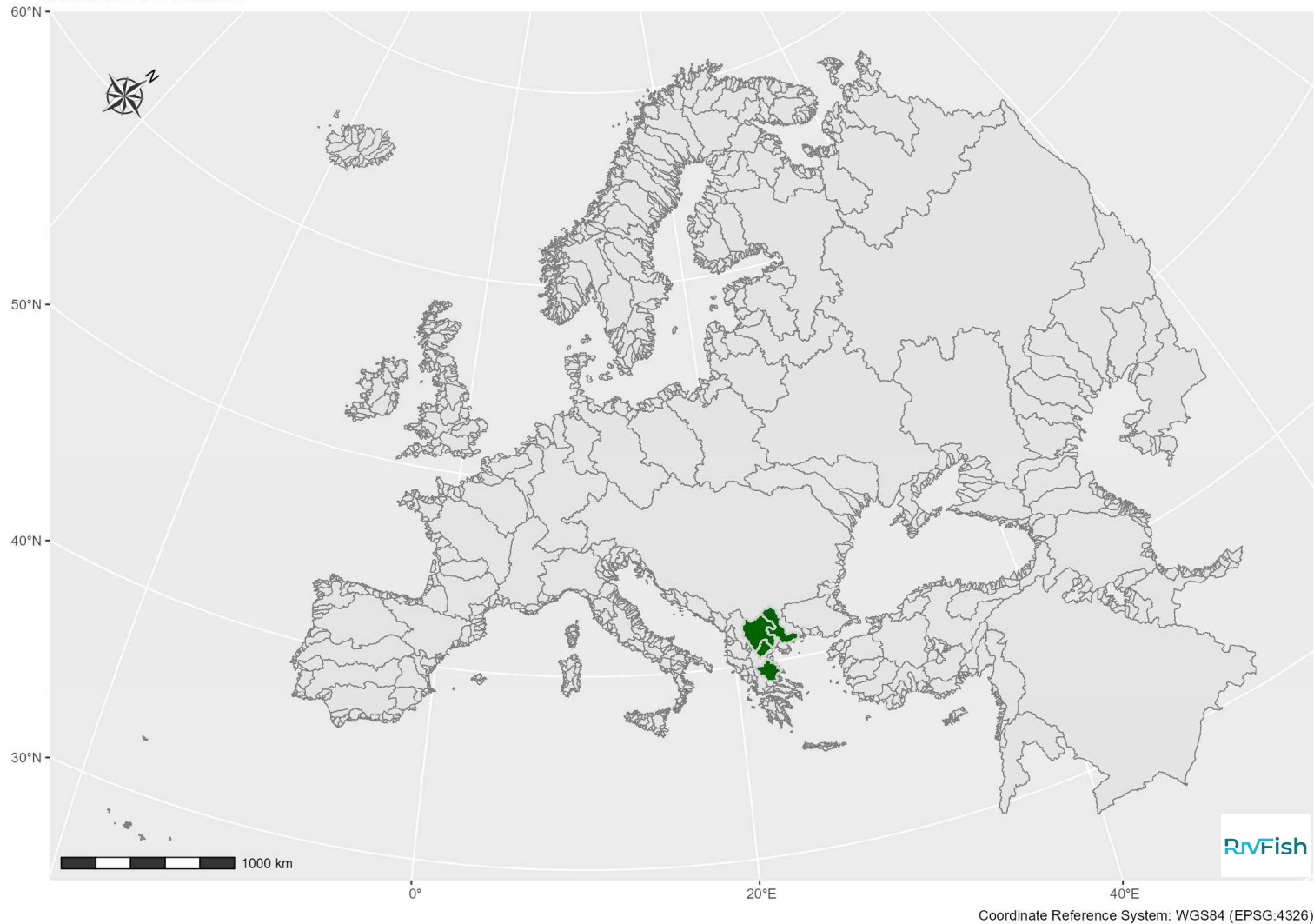
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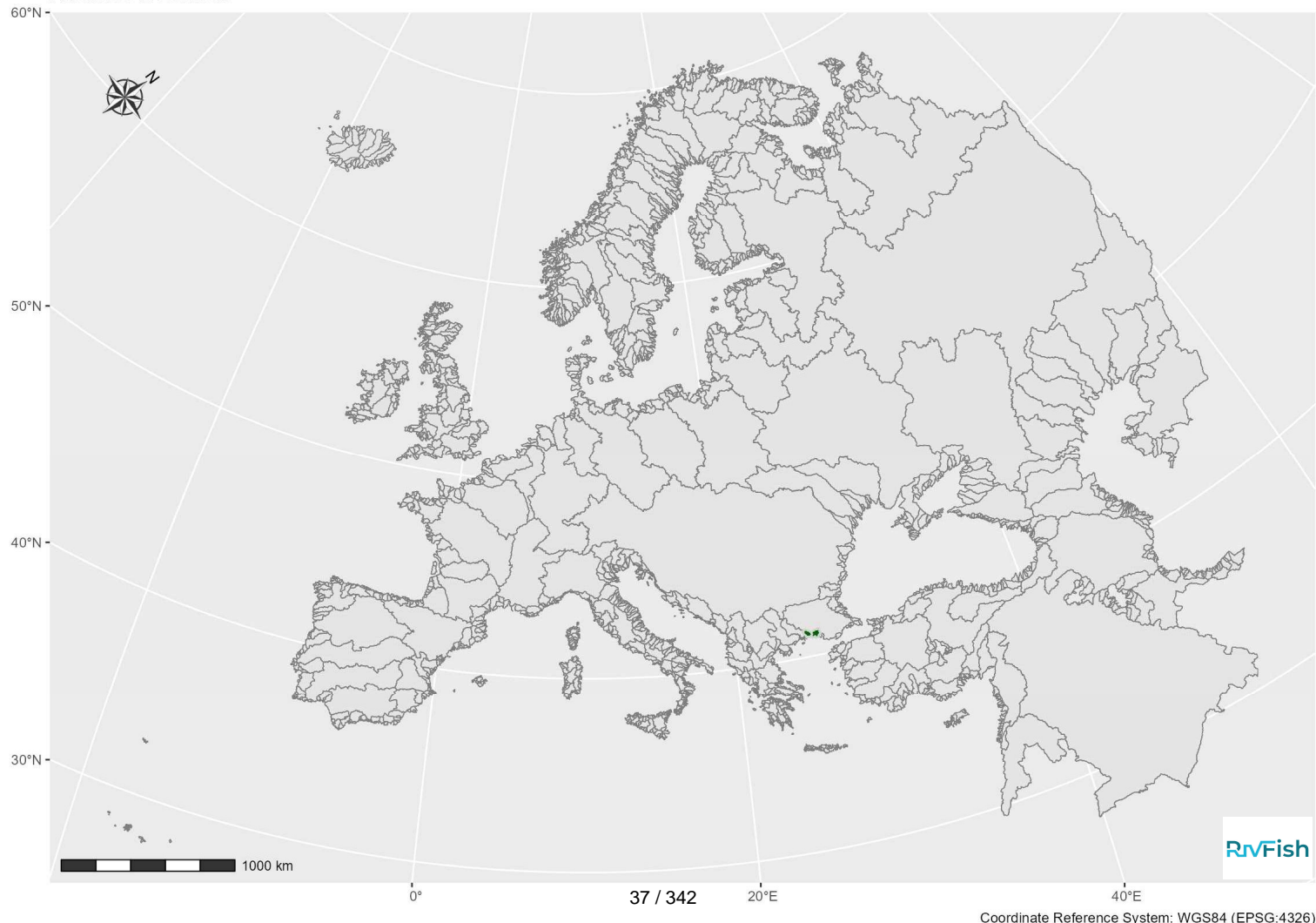
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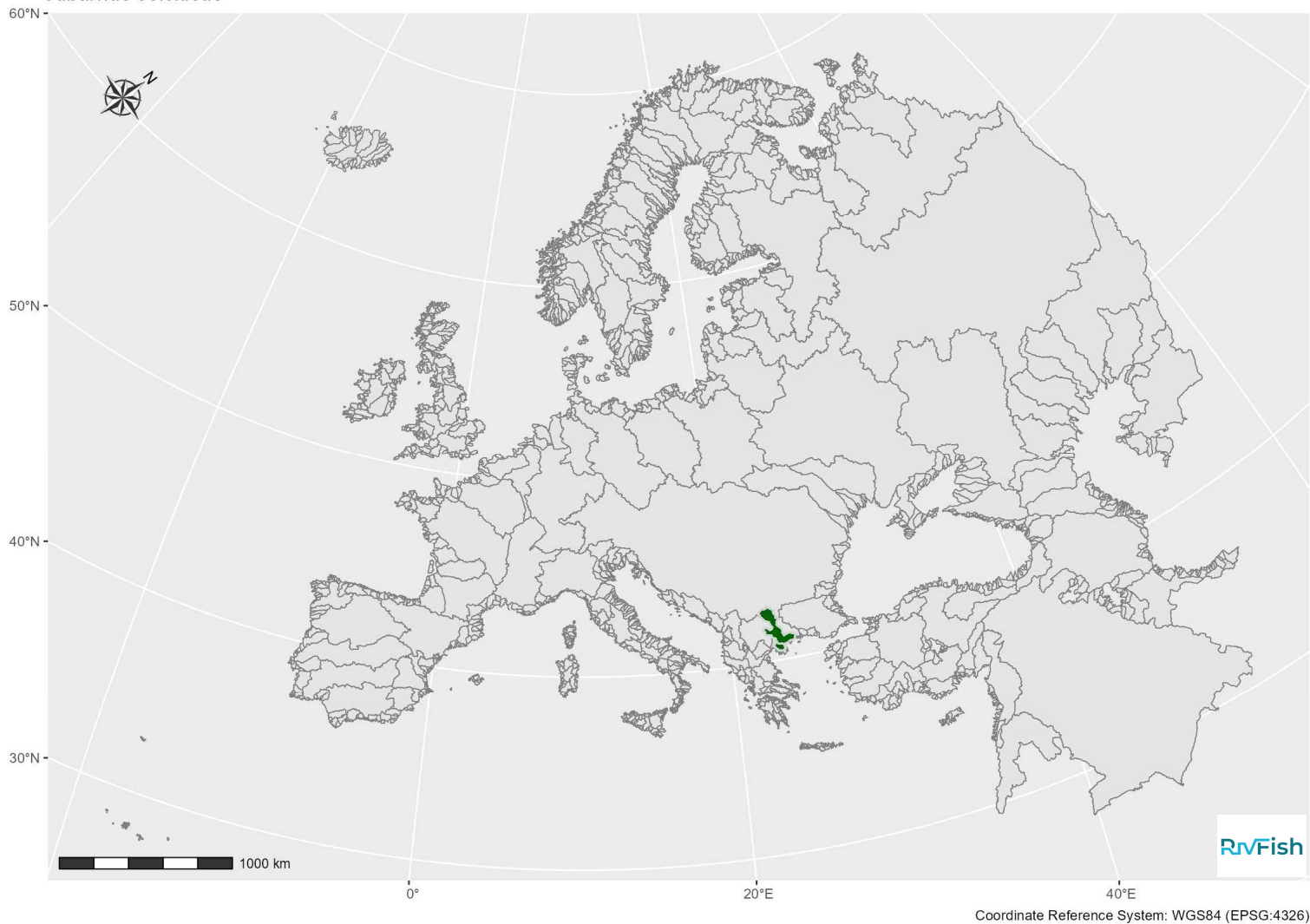
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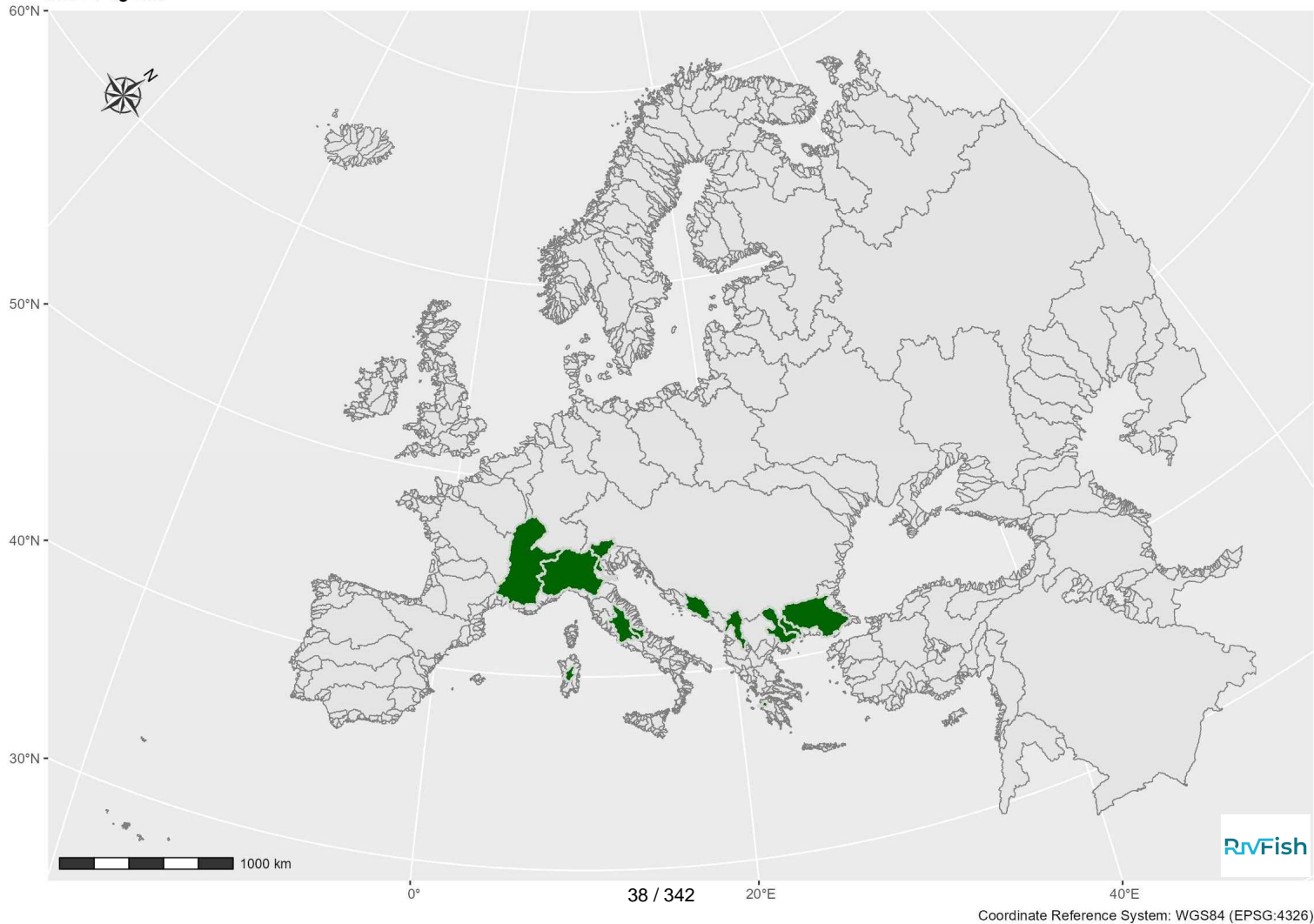
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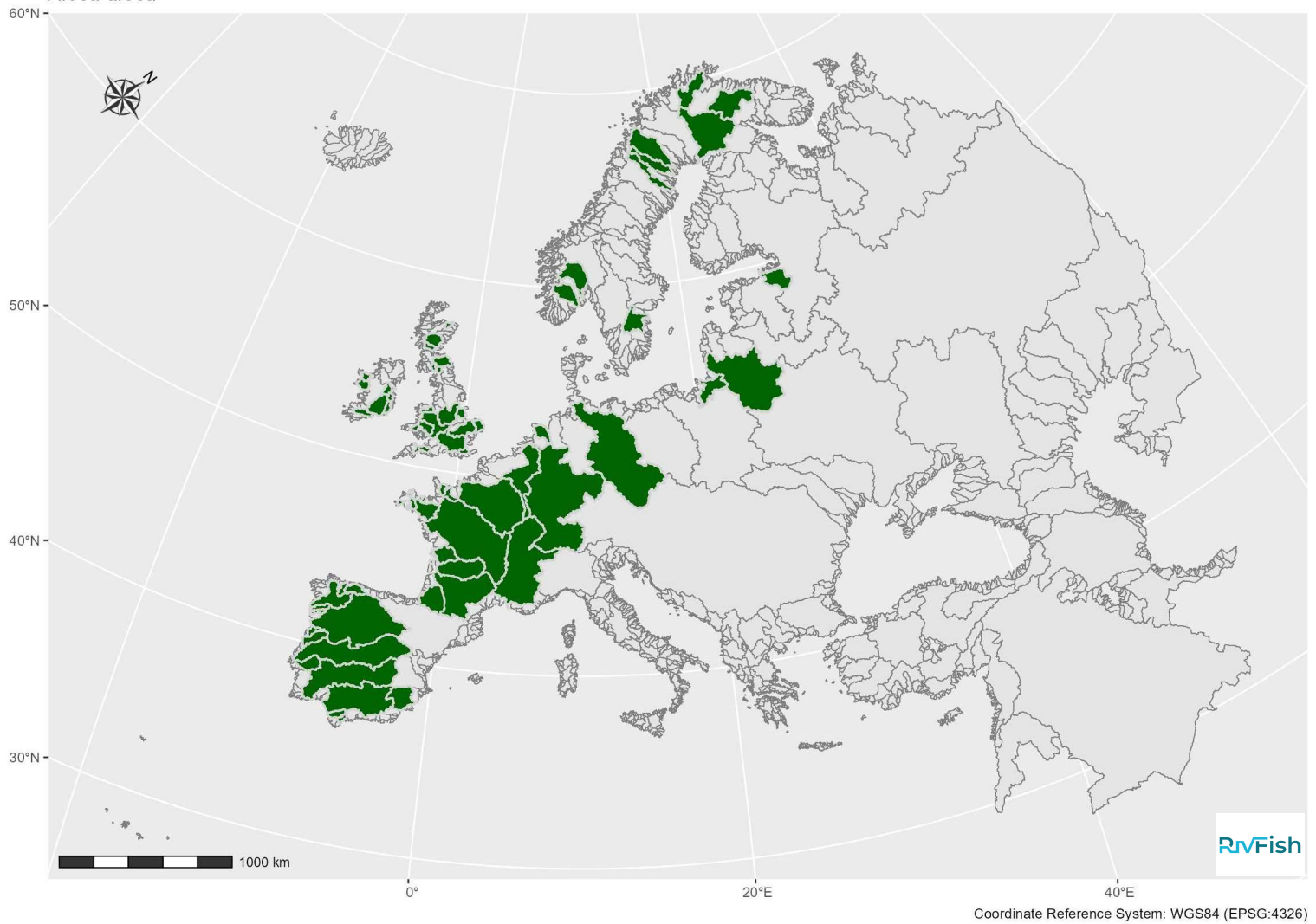
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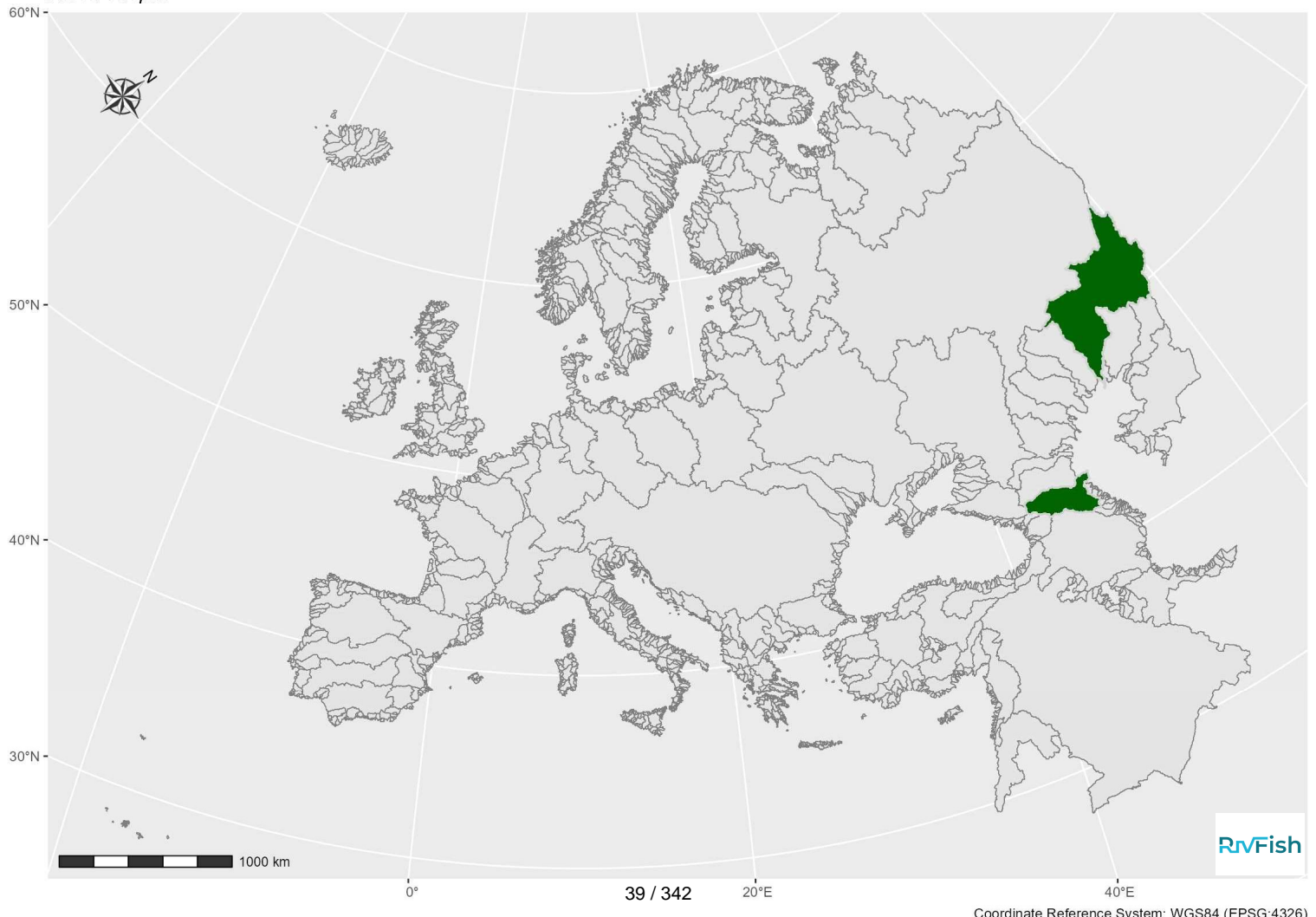
Alosa agone



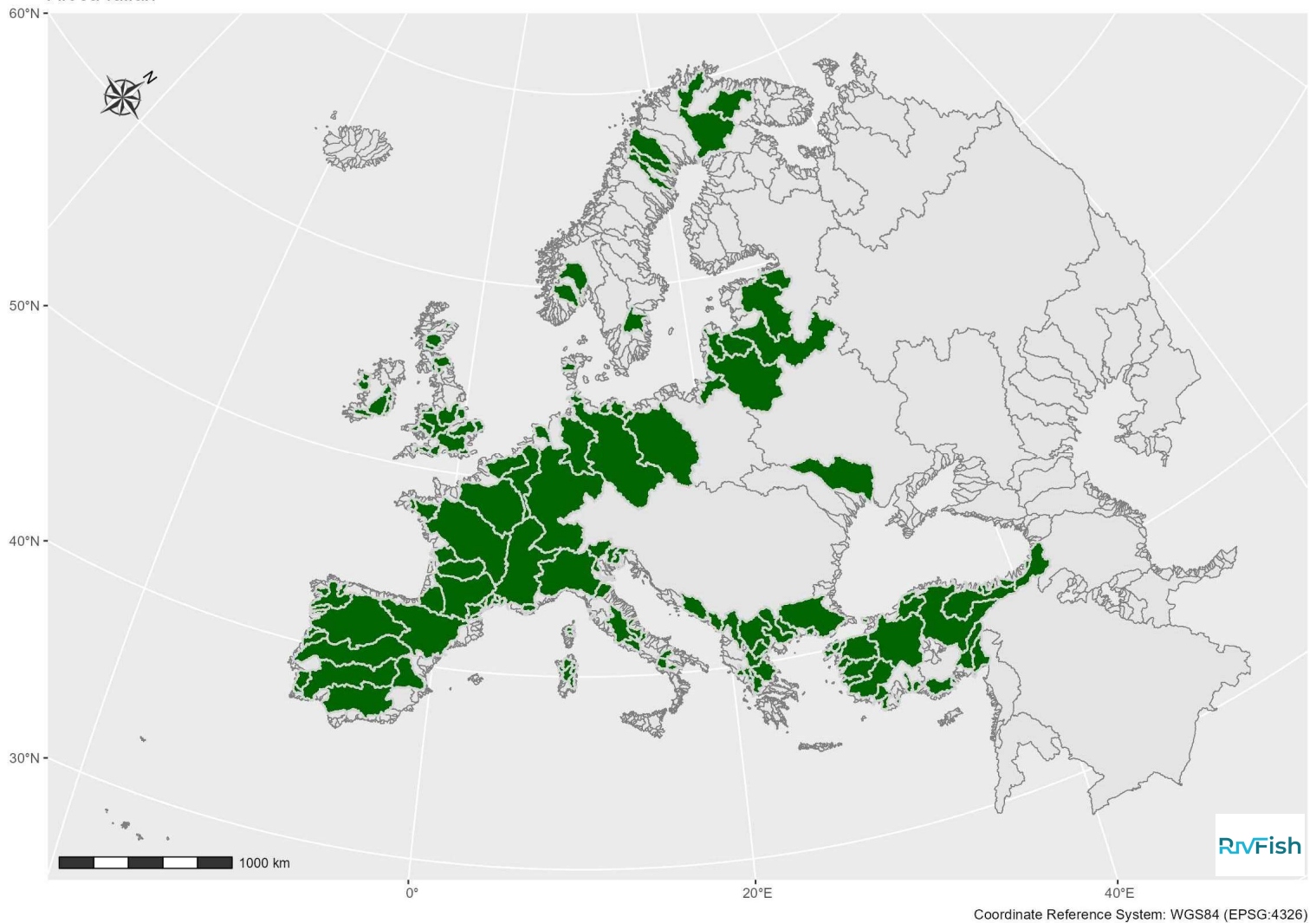
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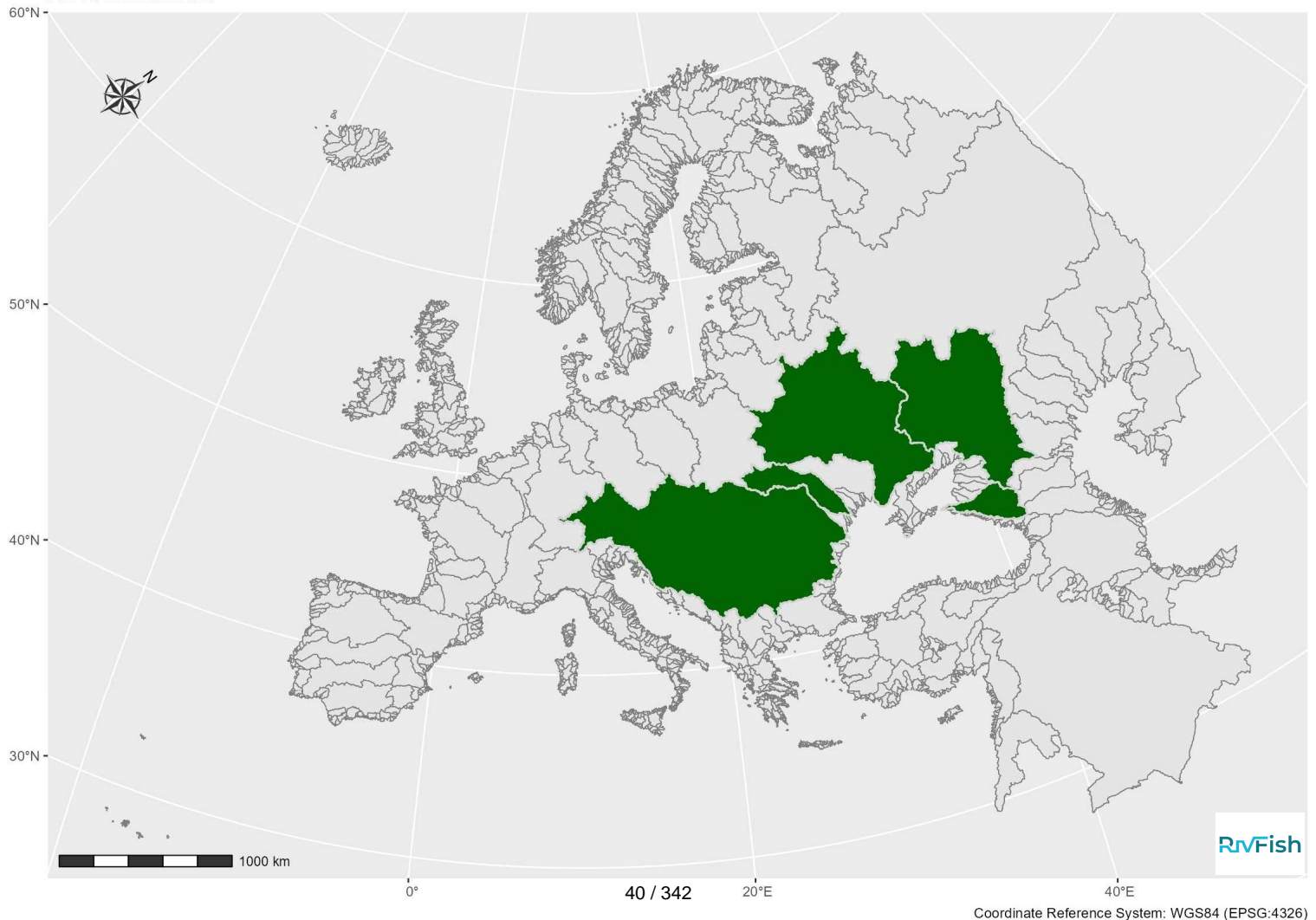
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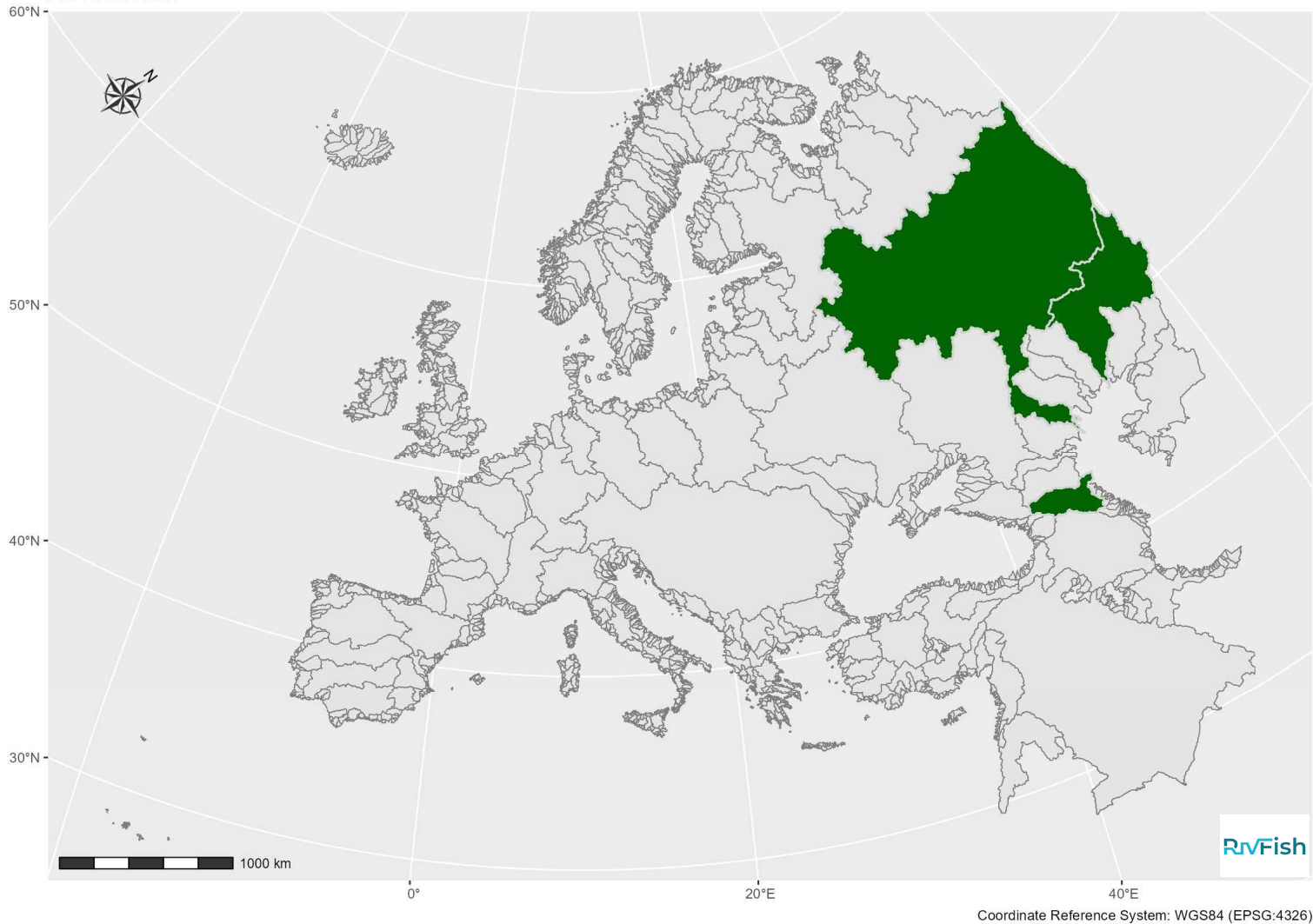
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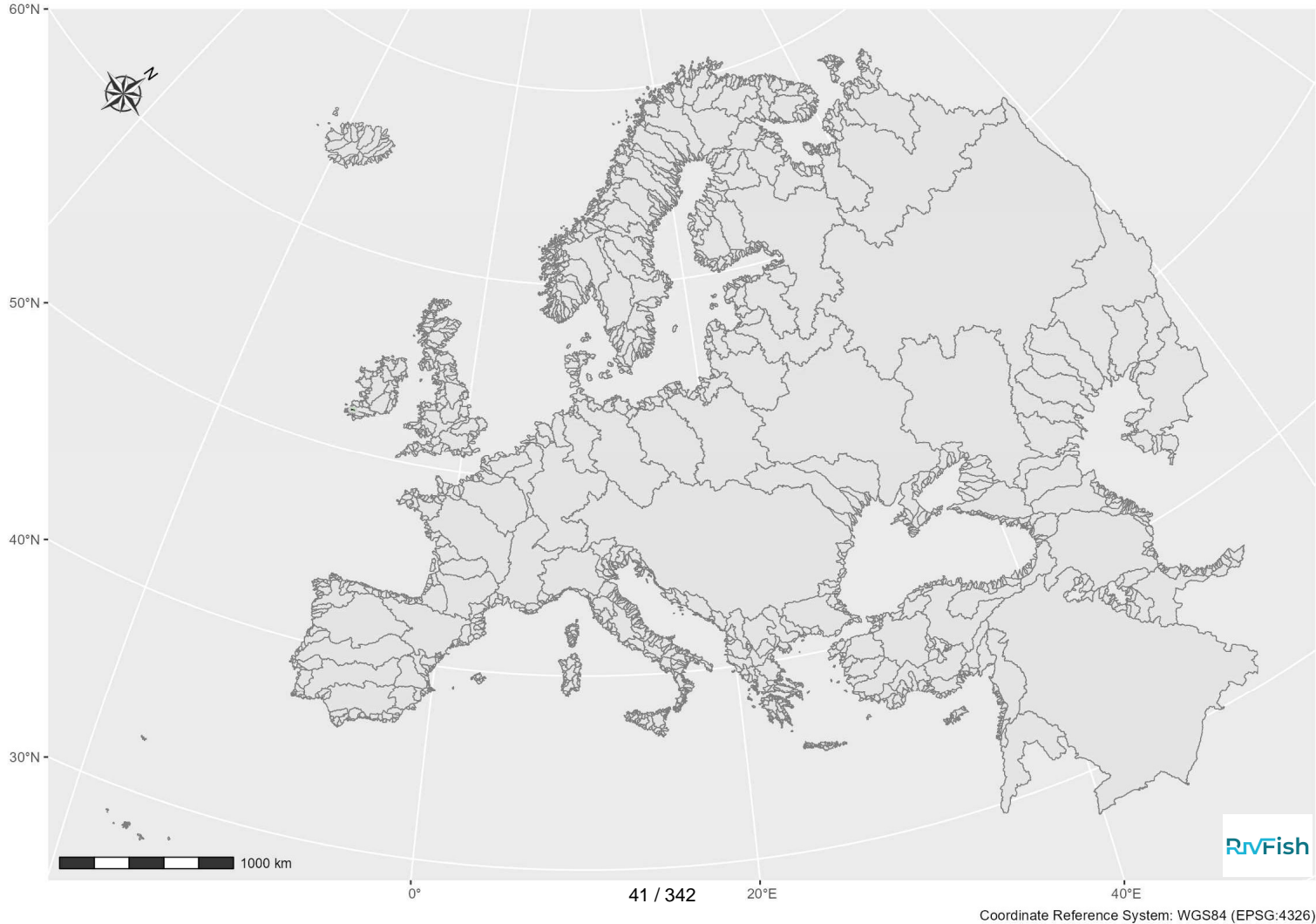
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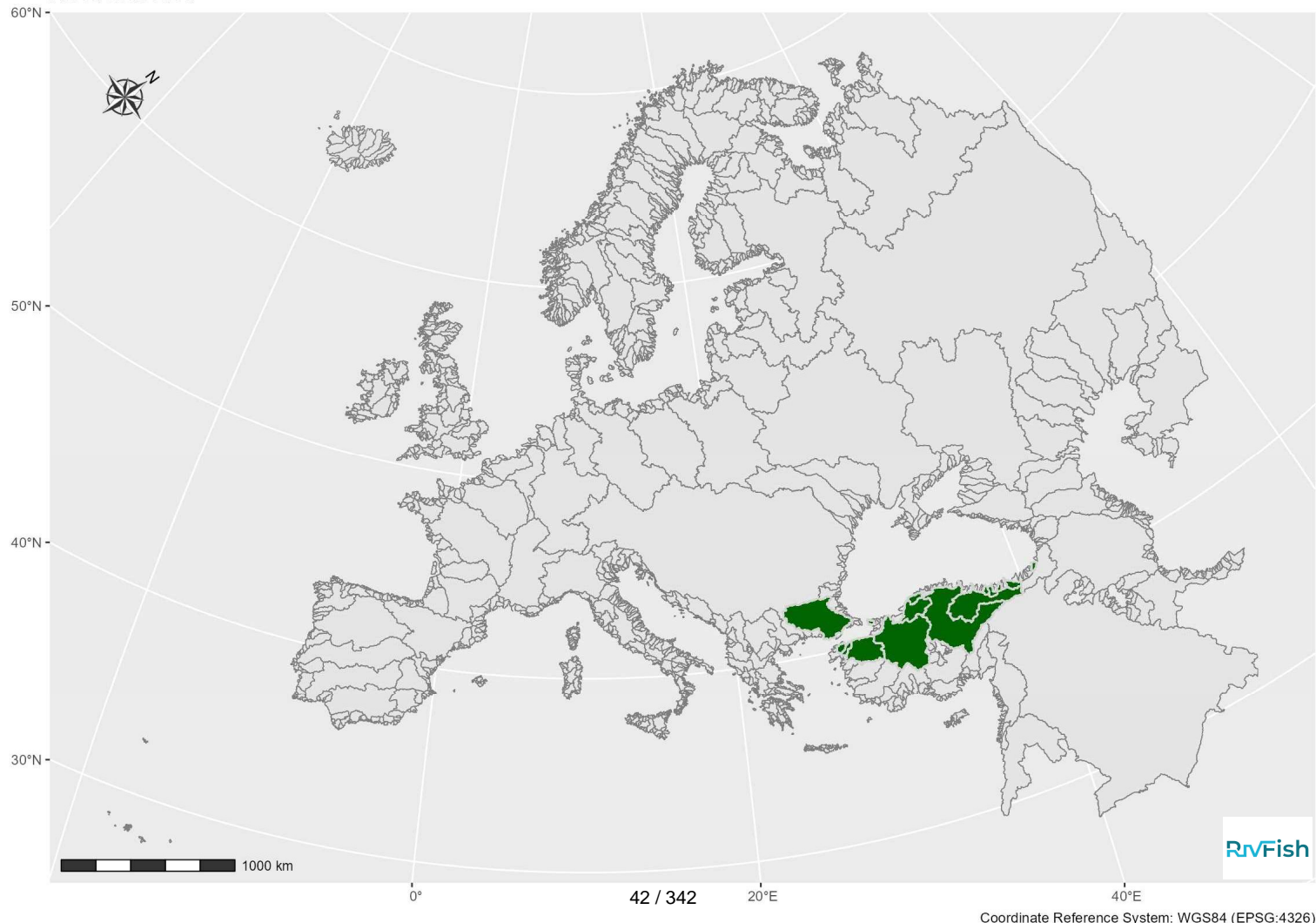
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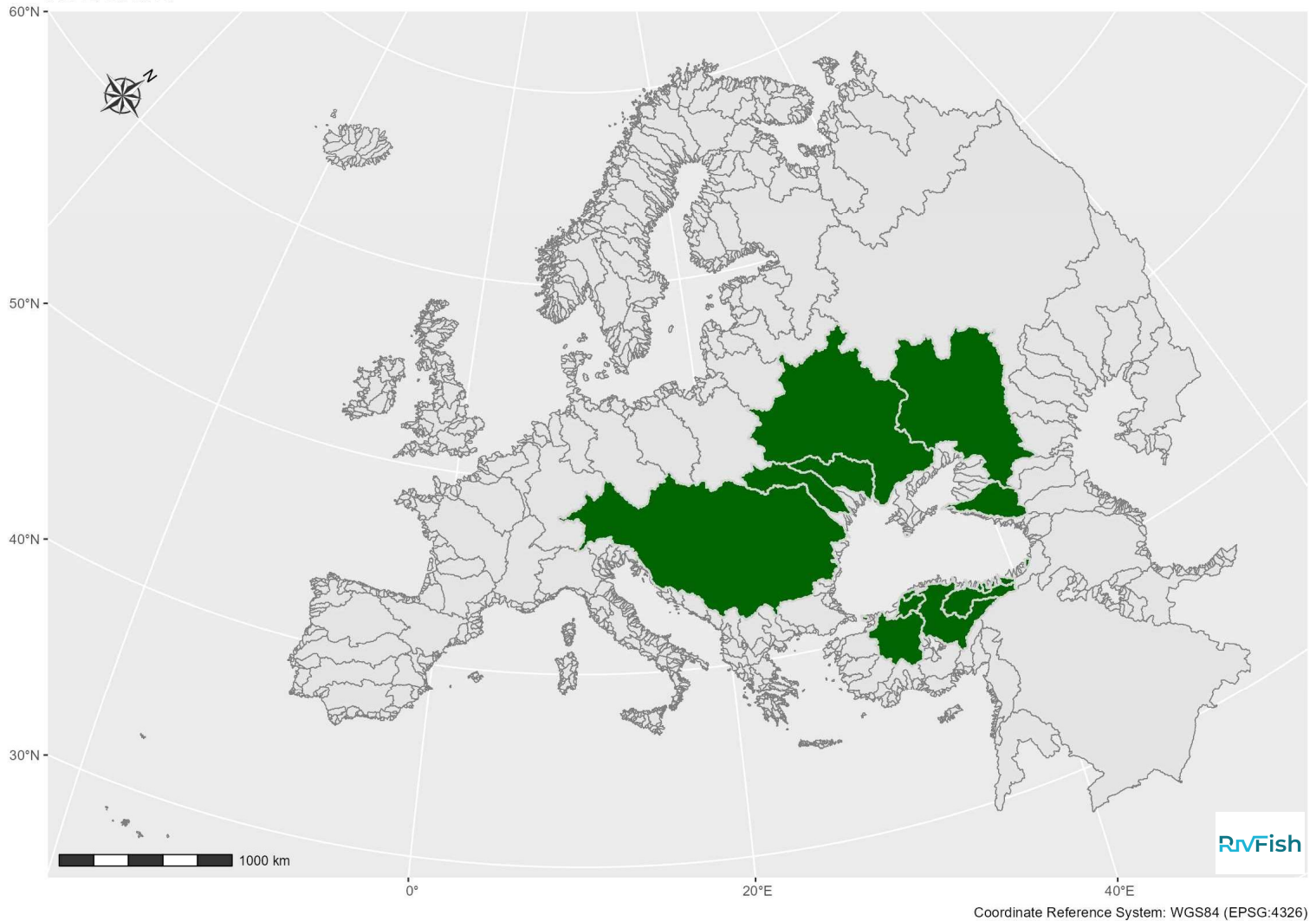
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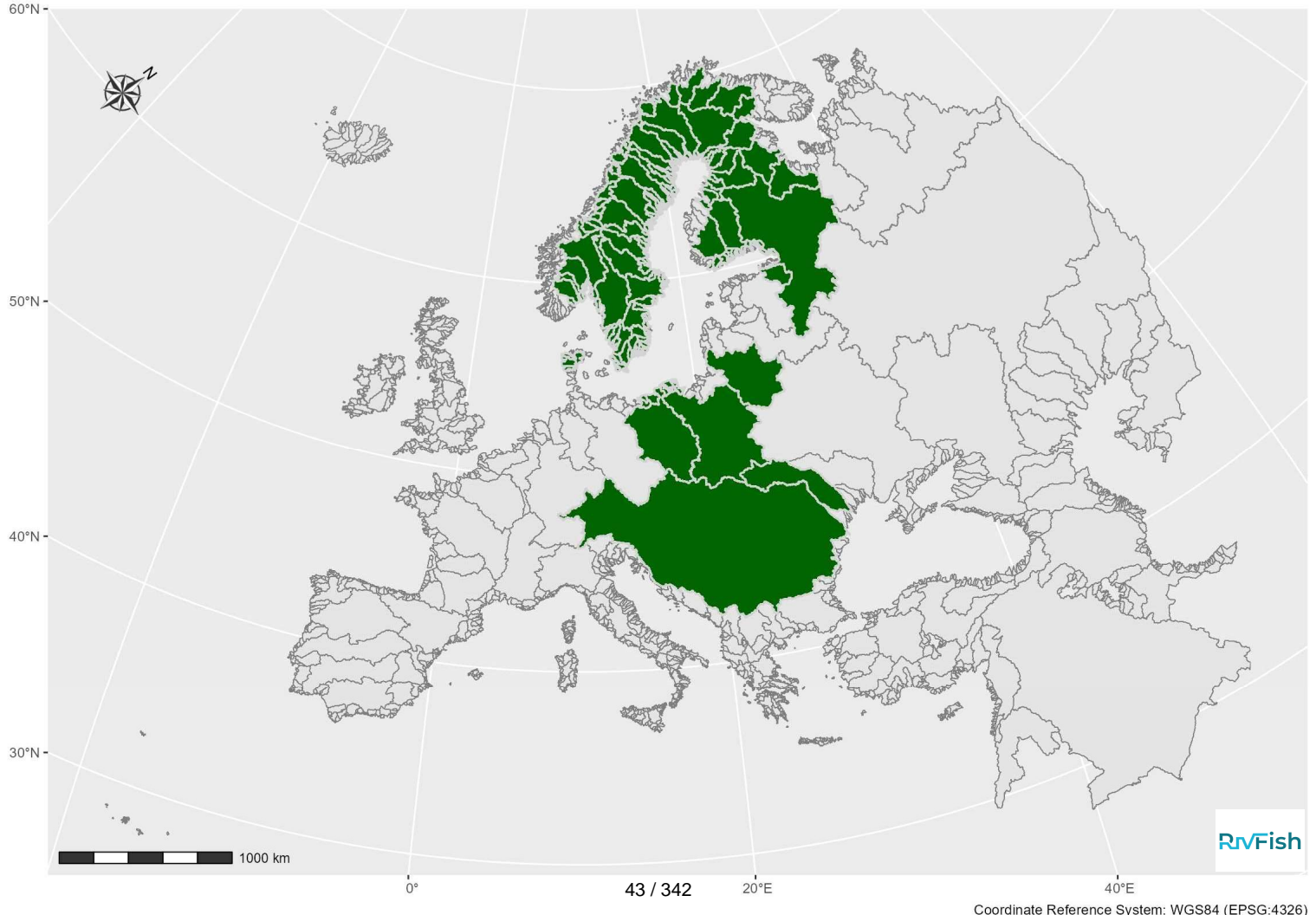
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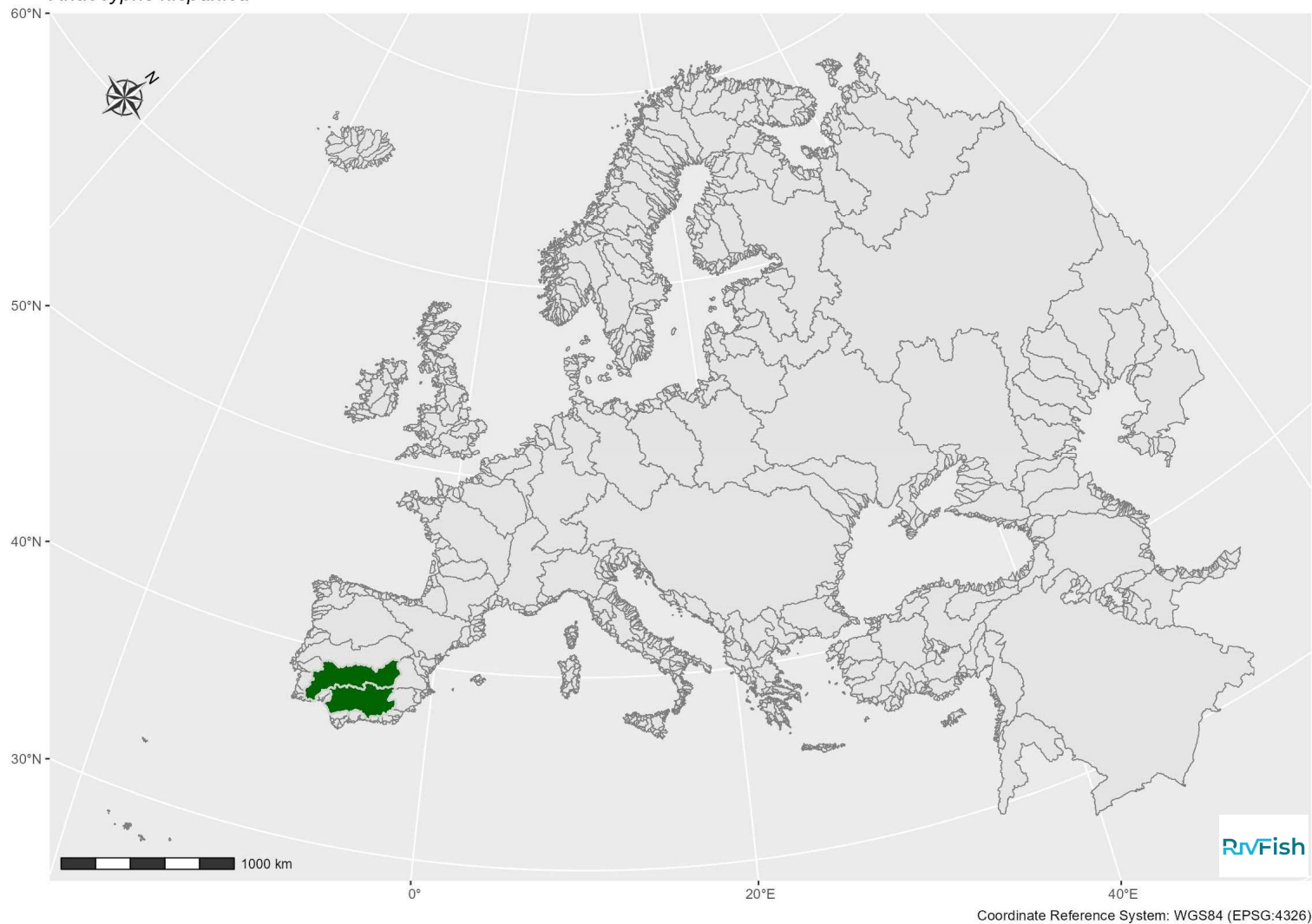
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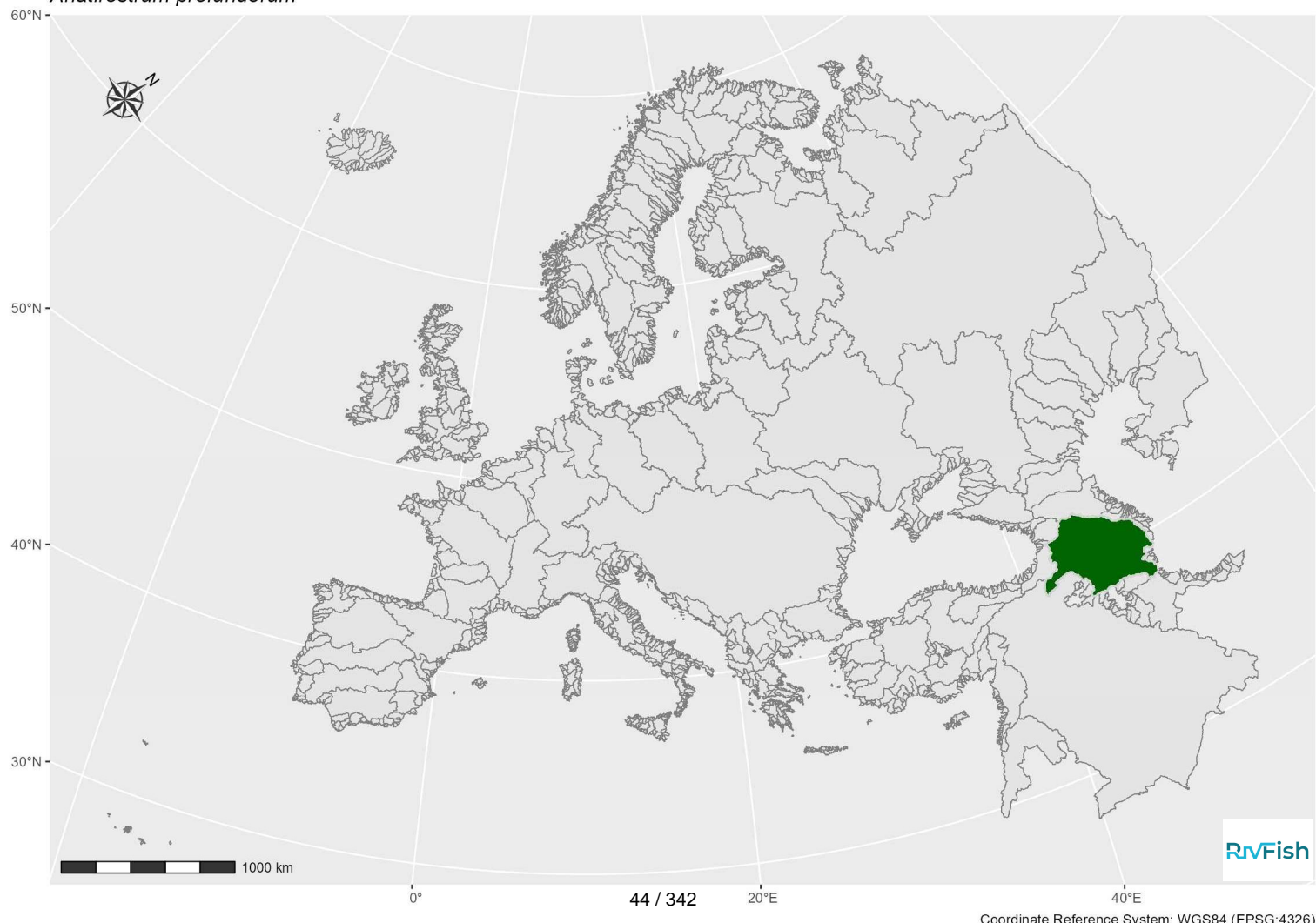
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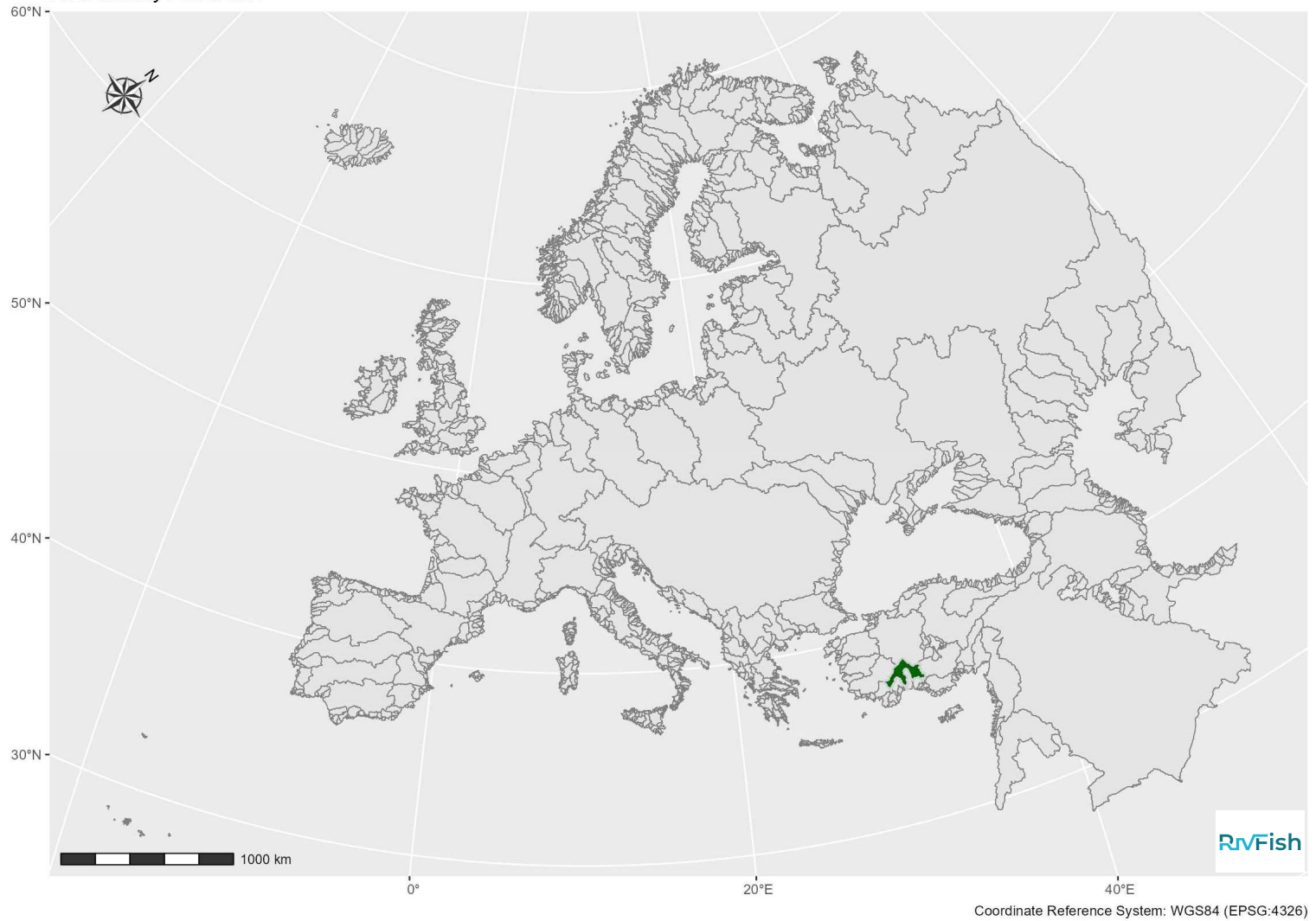
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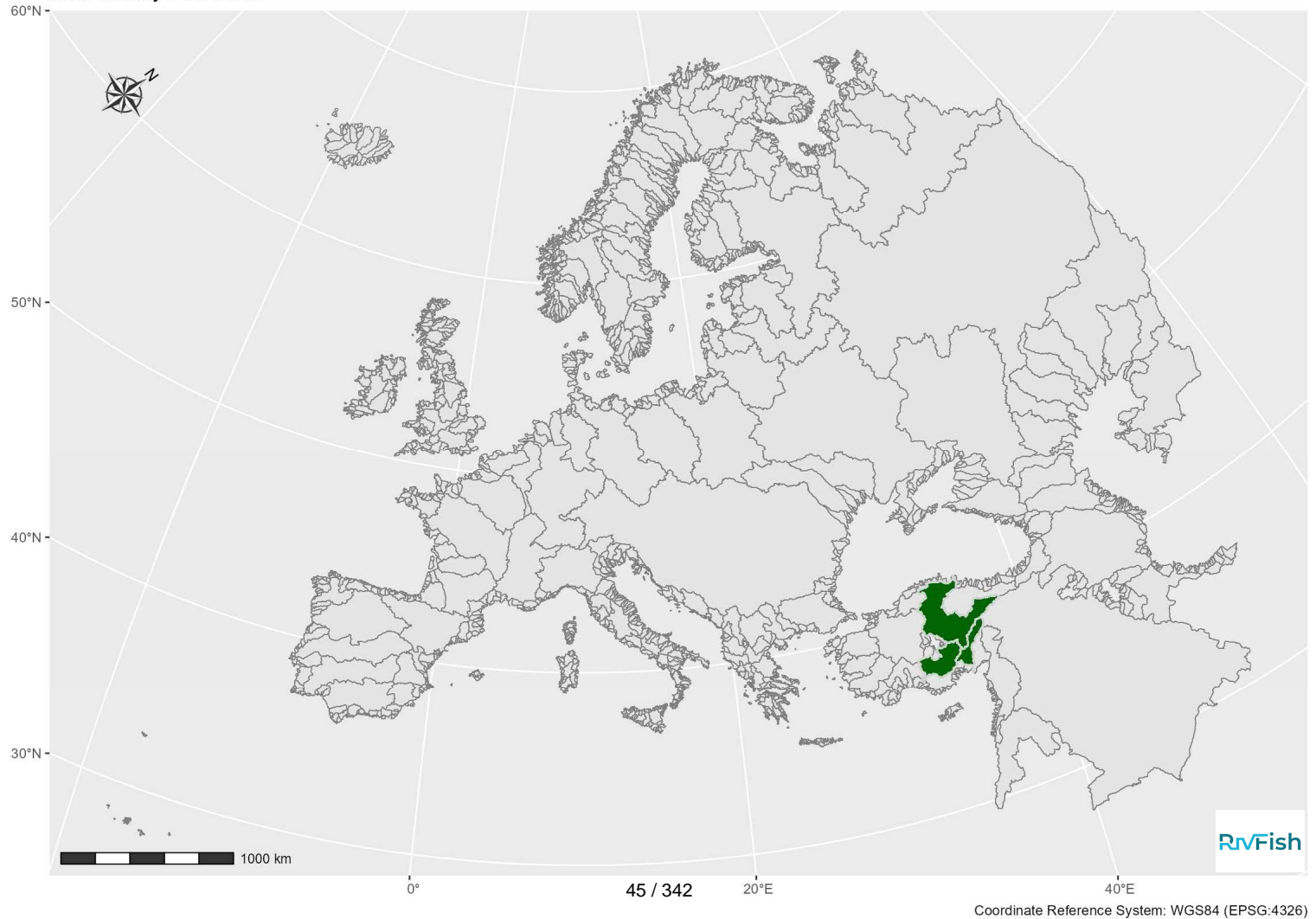
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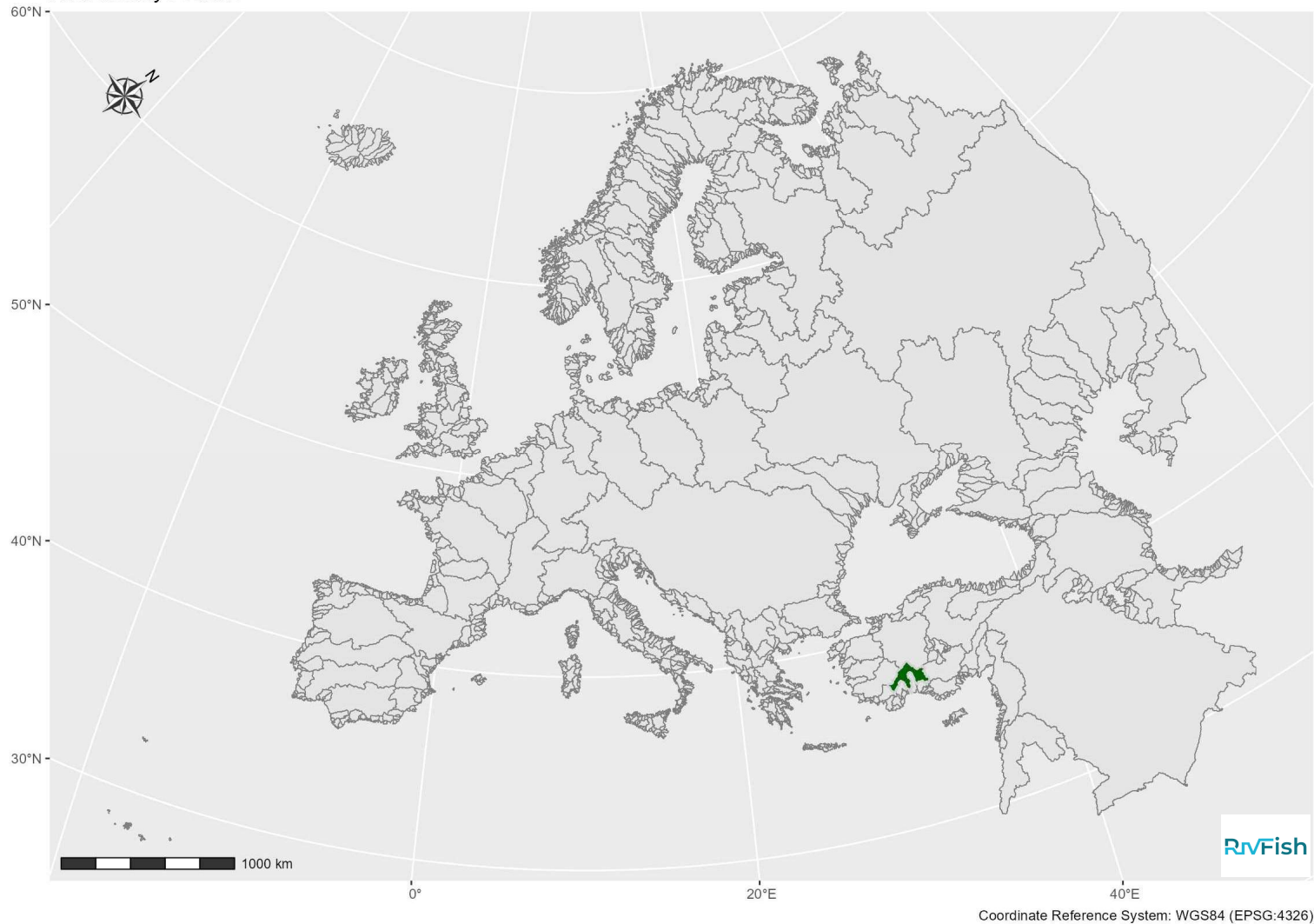
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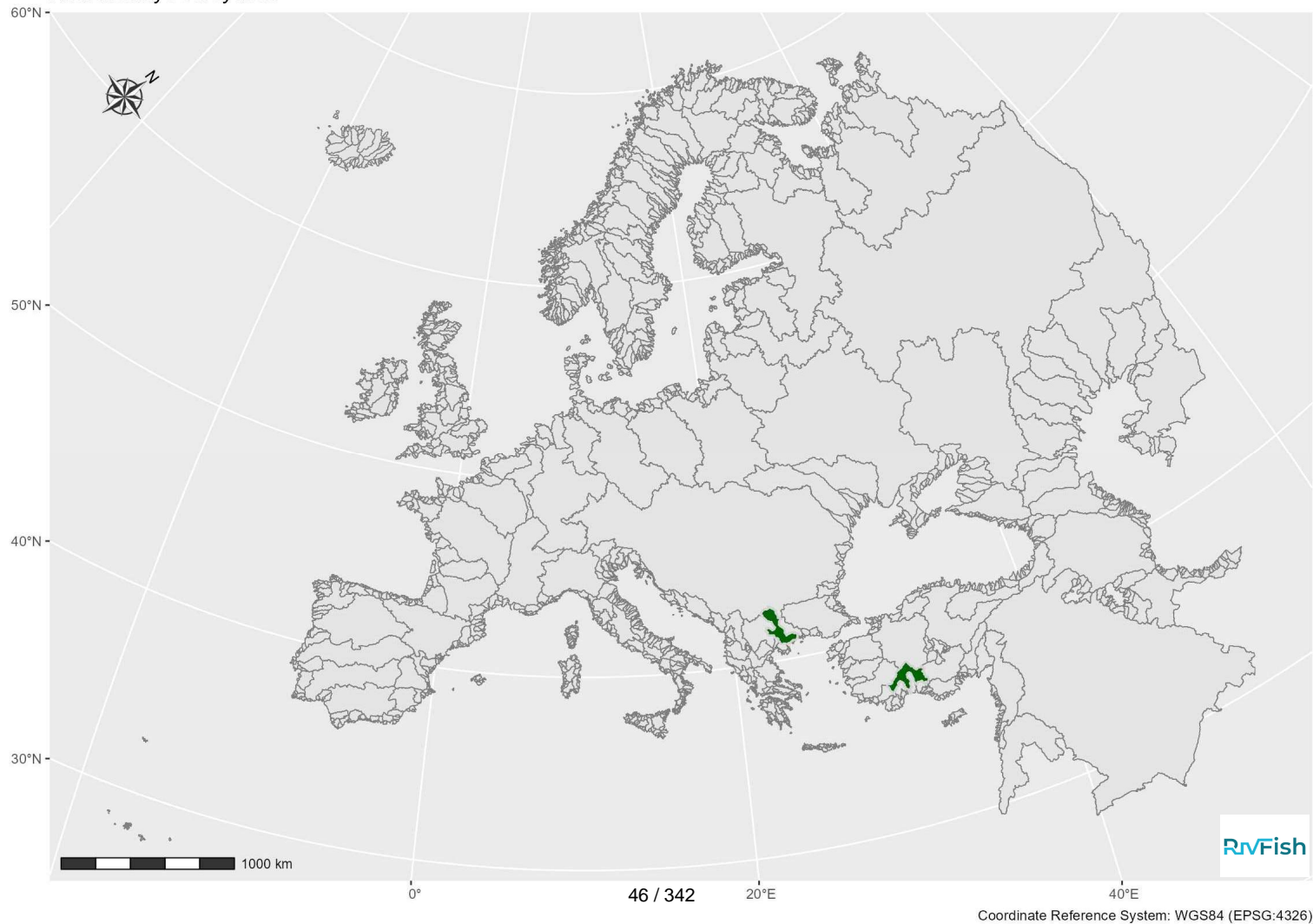
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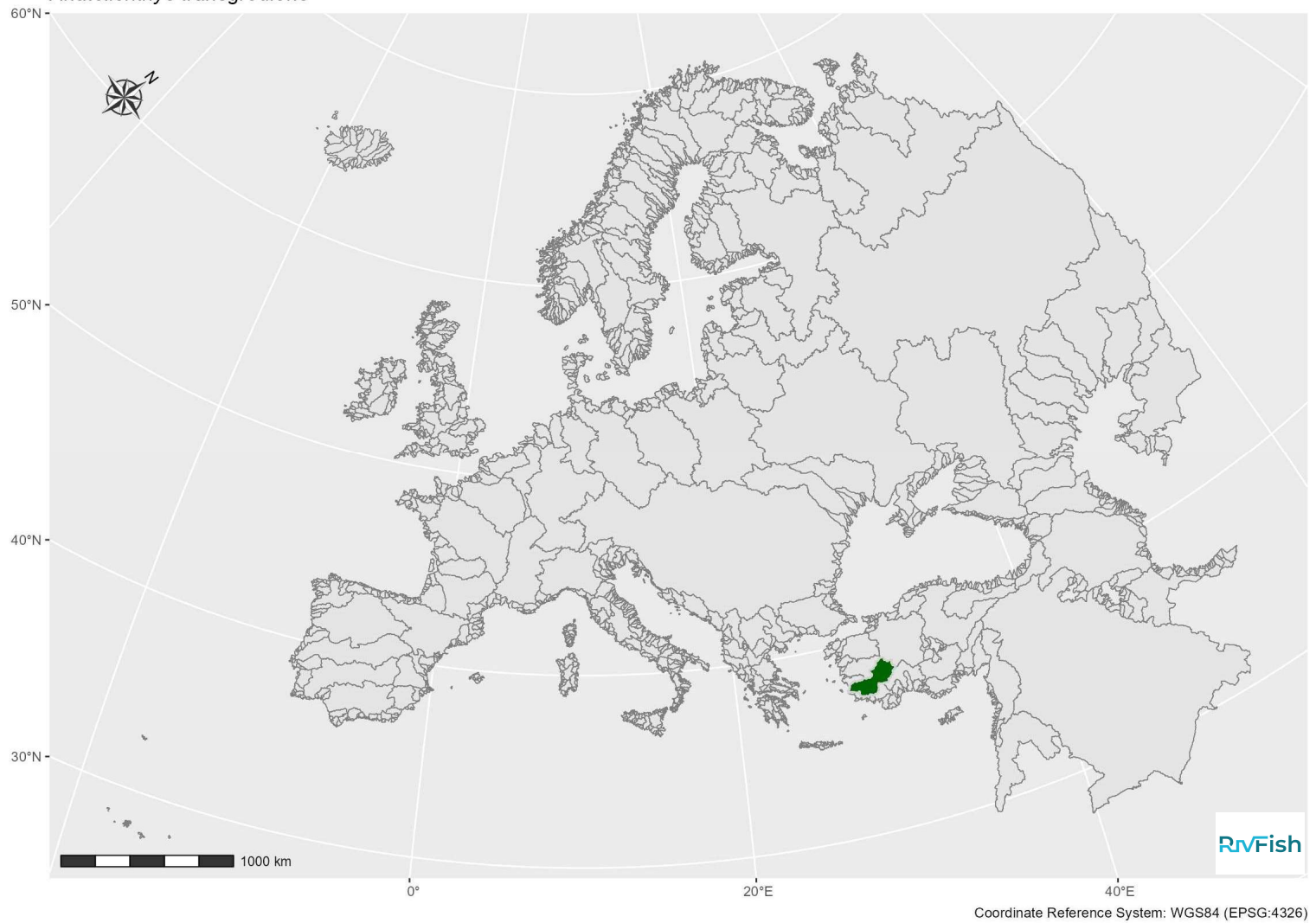
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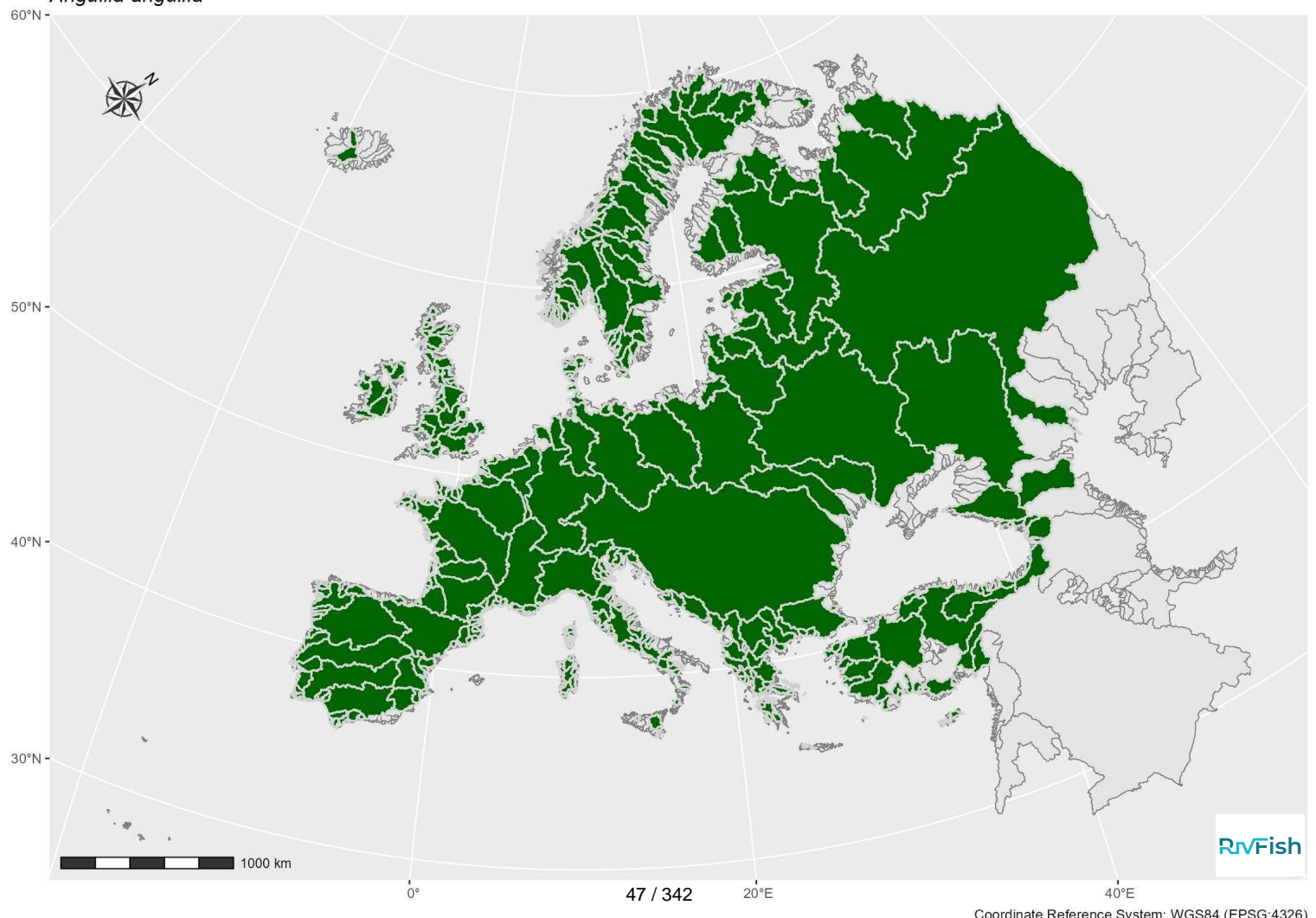
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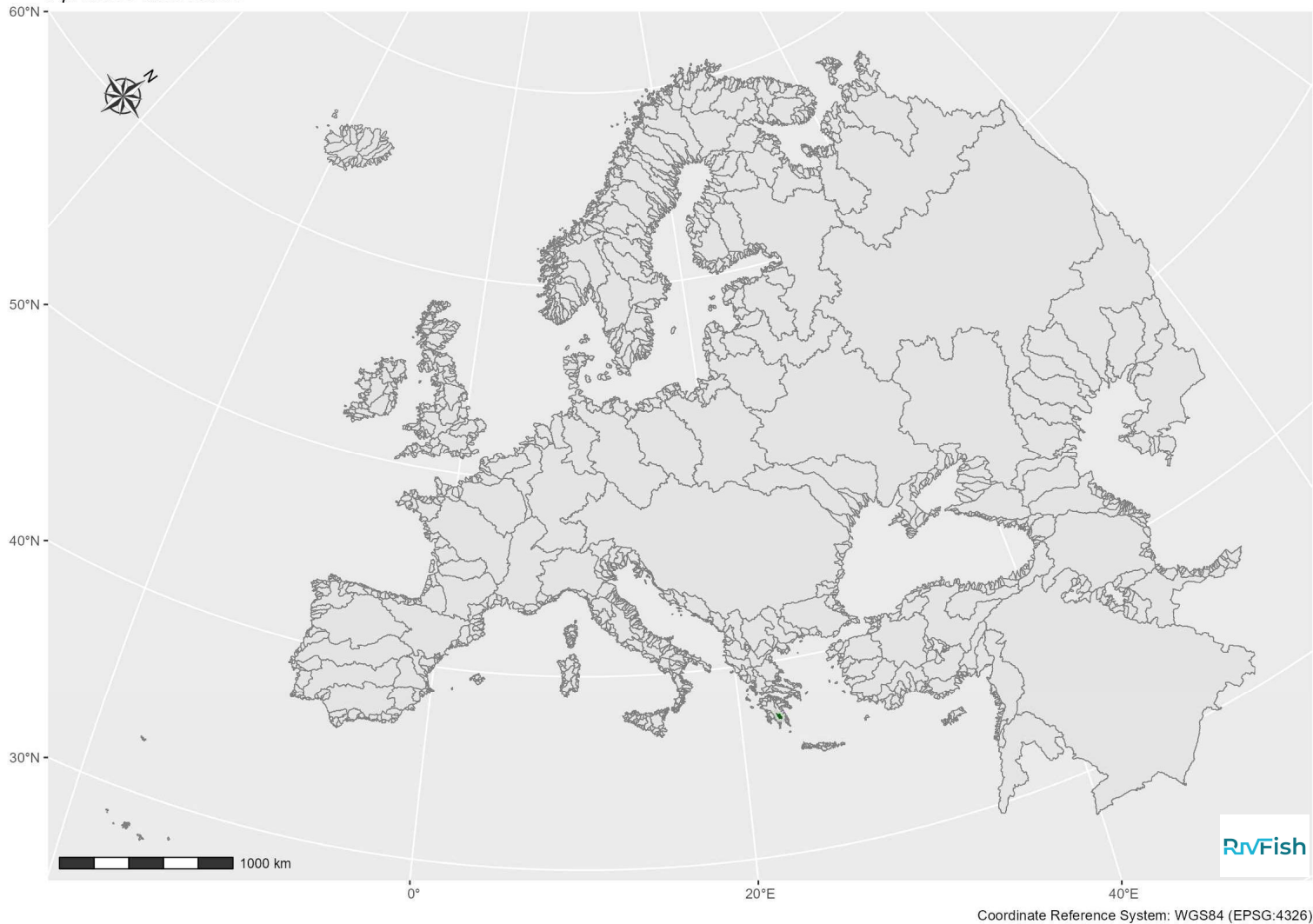
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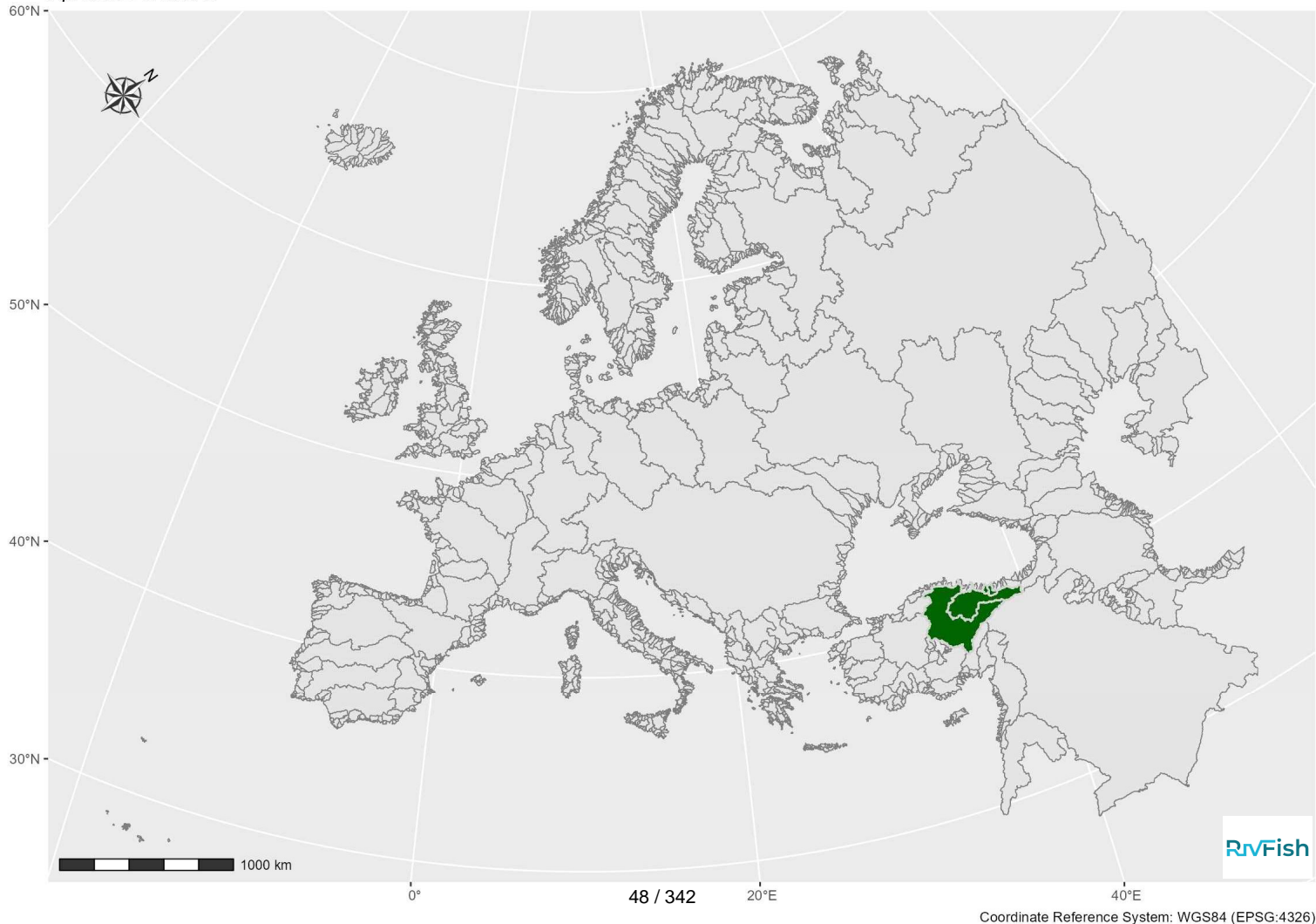
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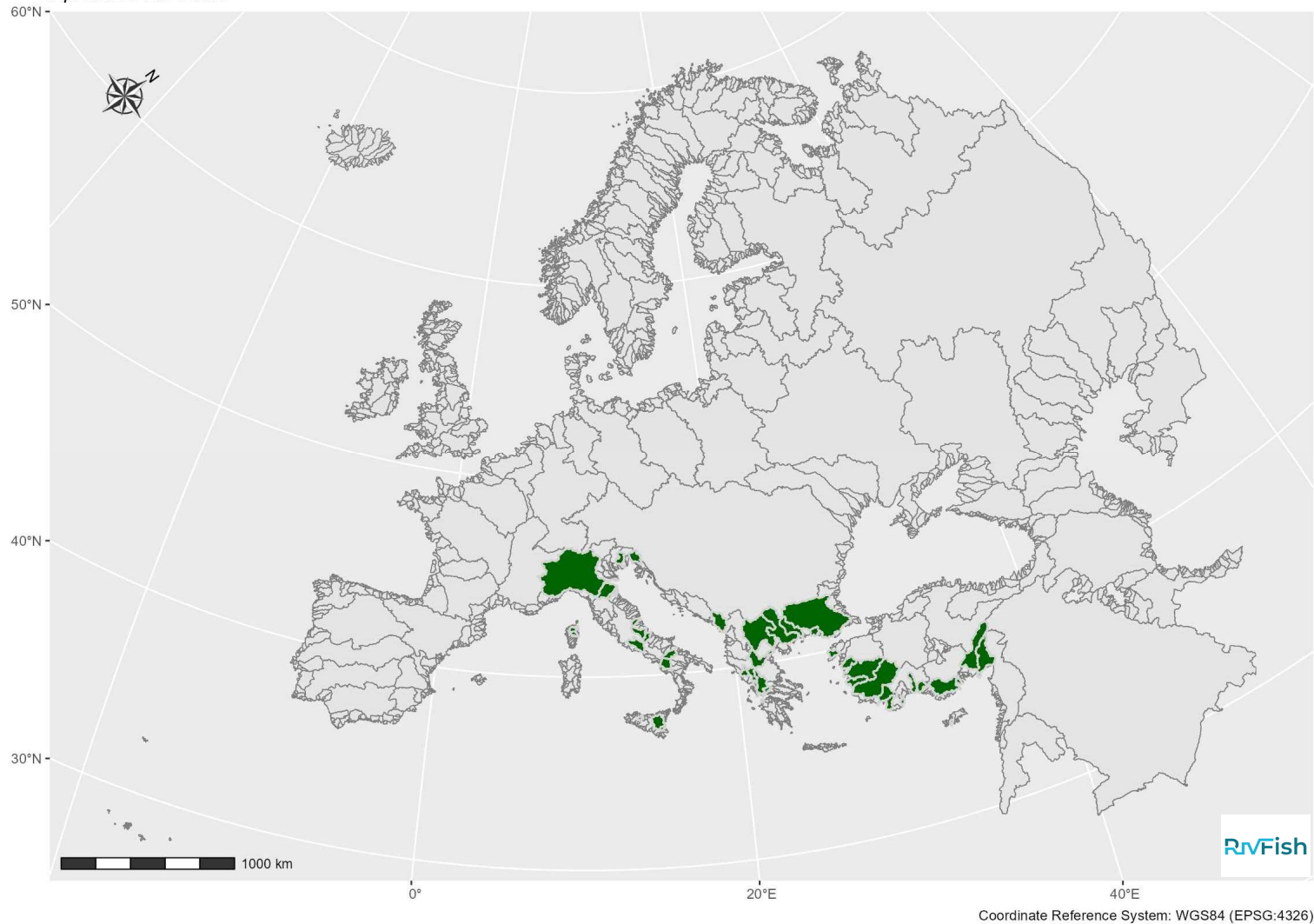
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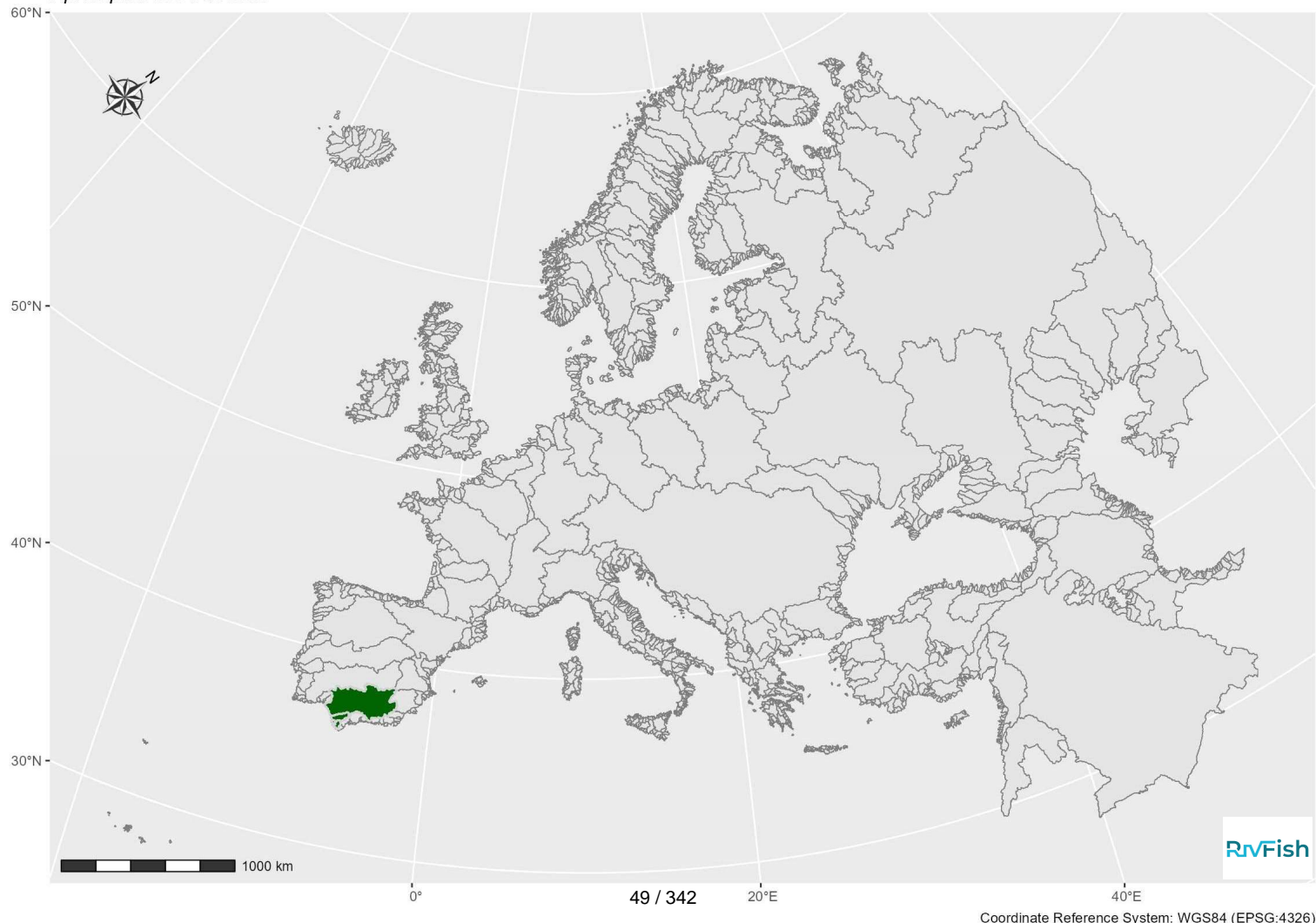
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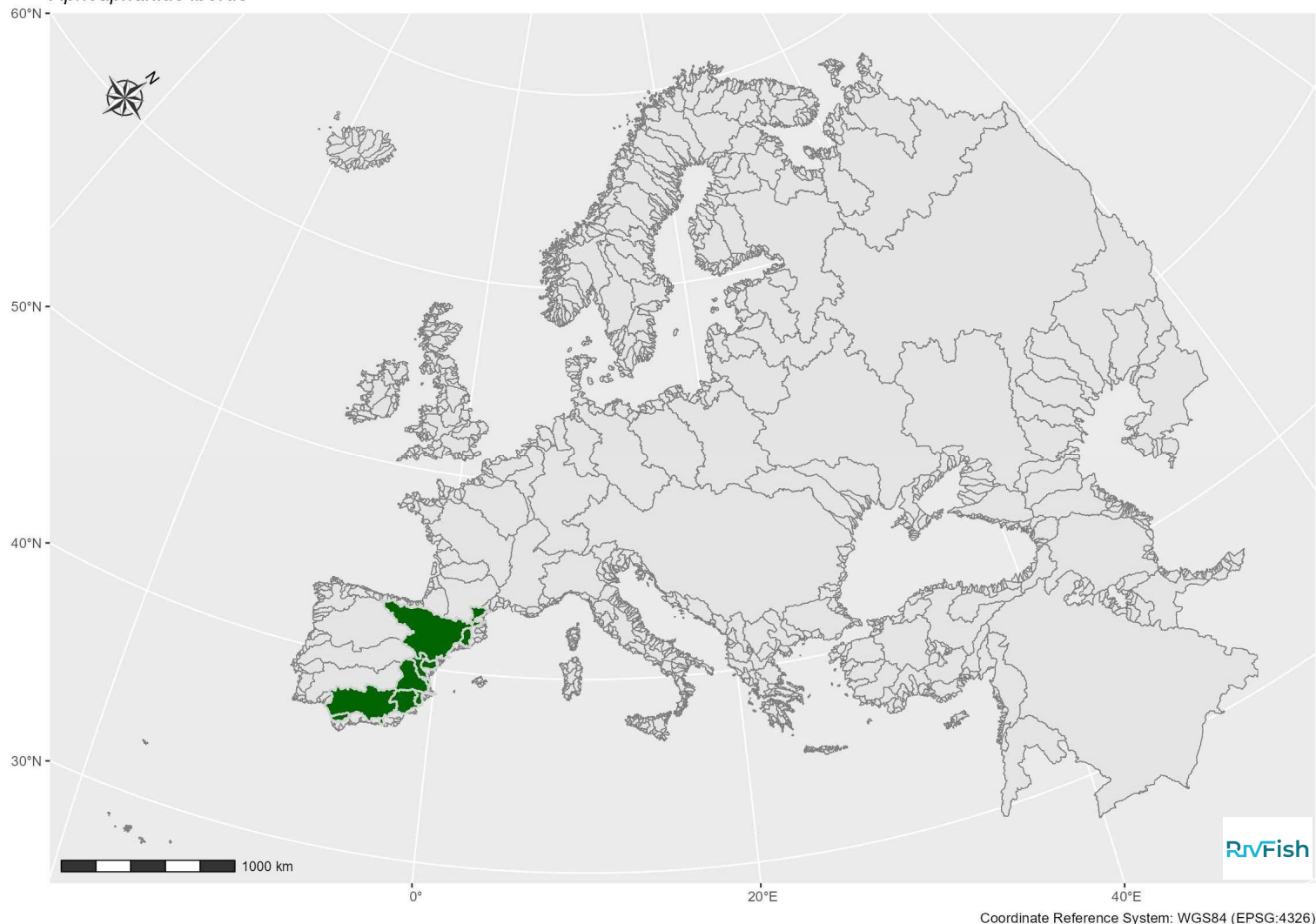
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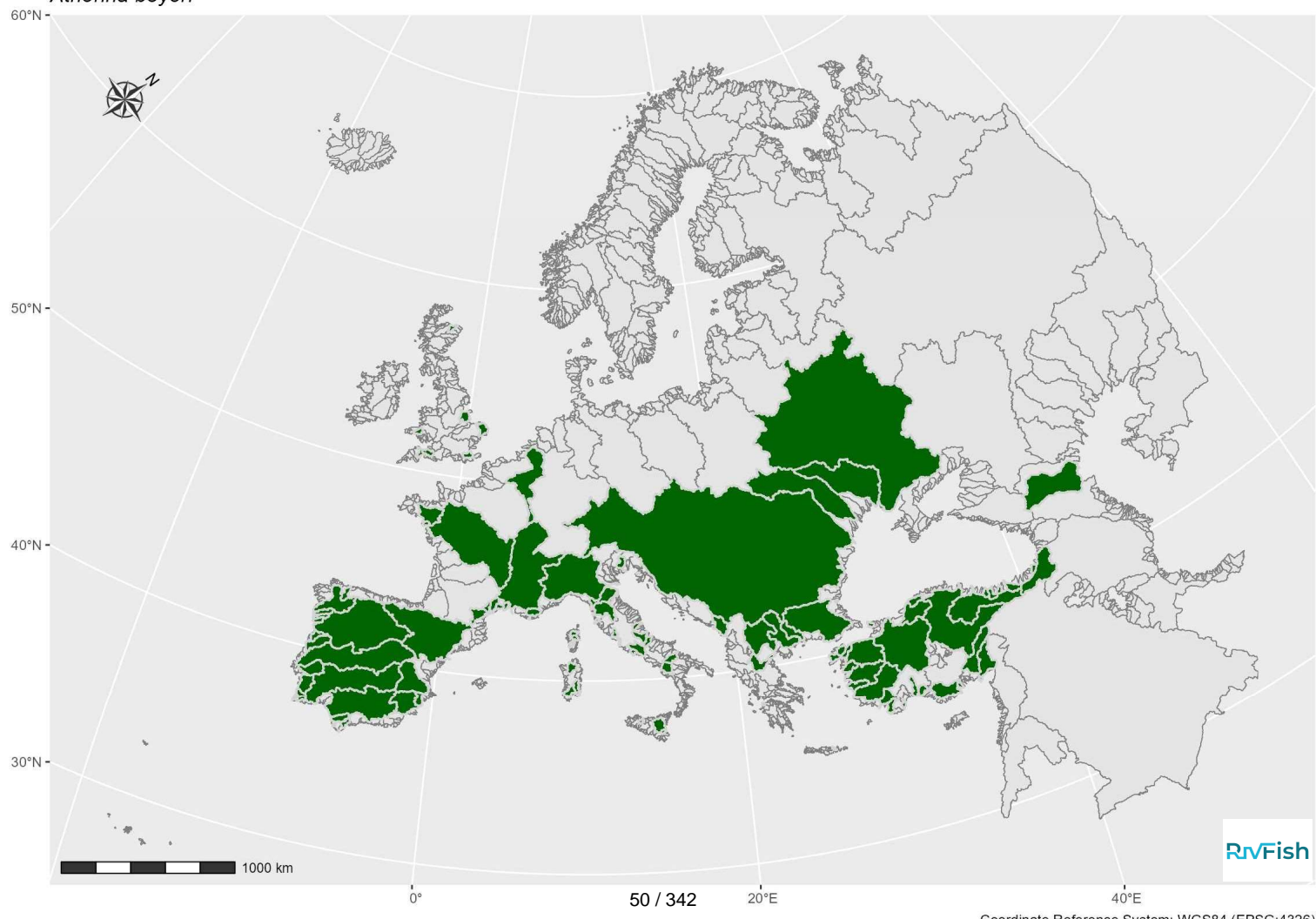
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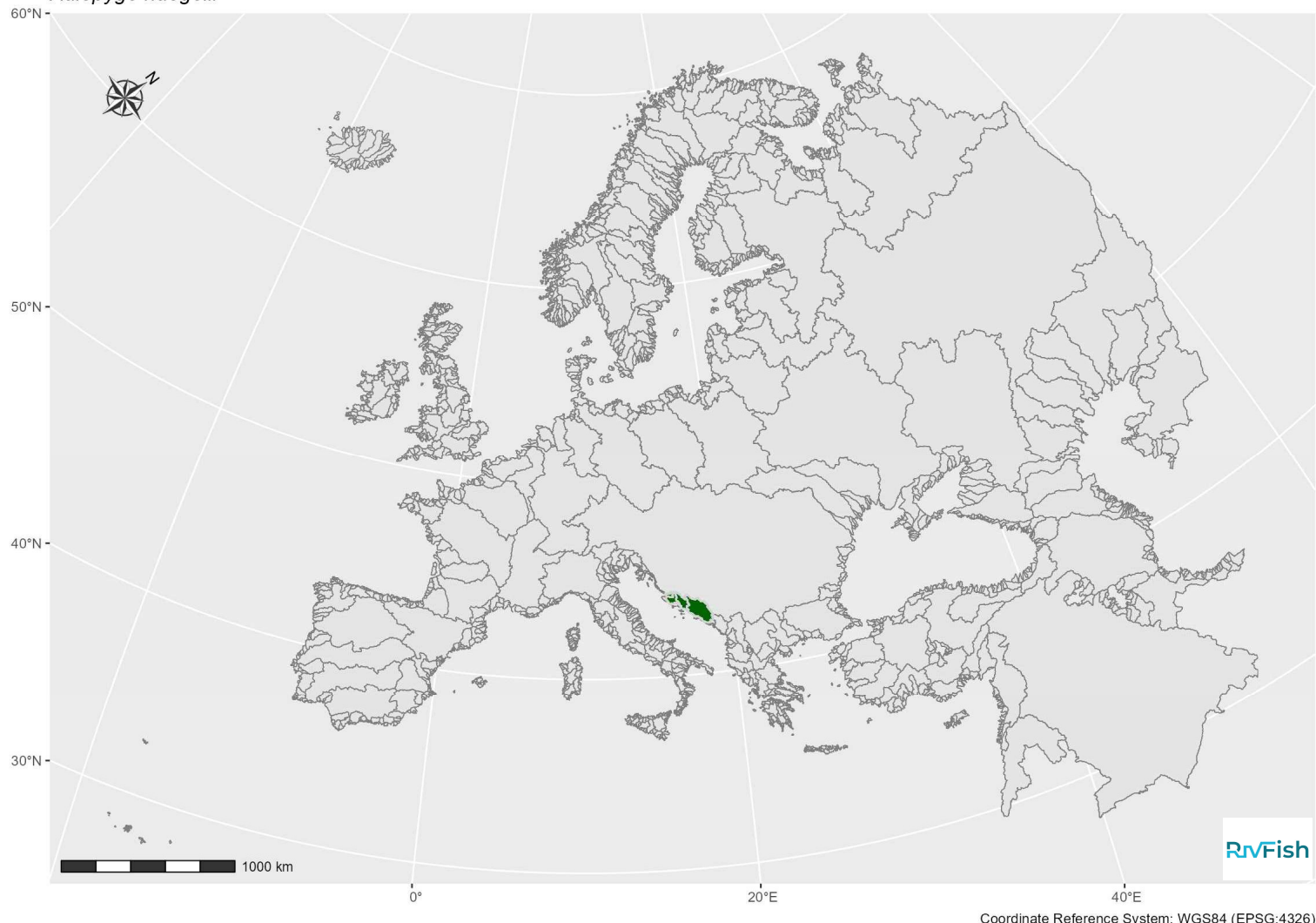
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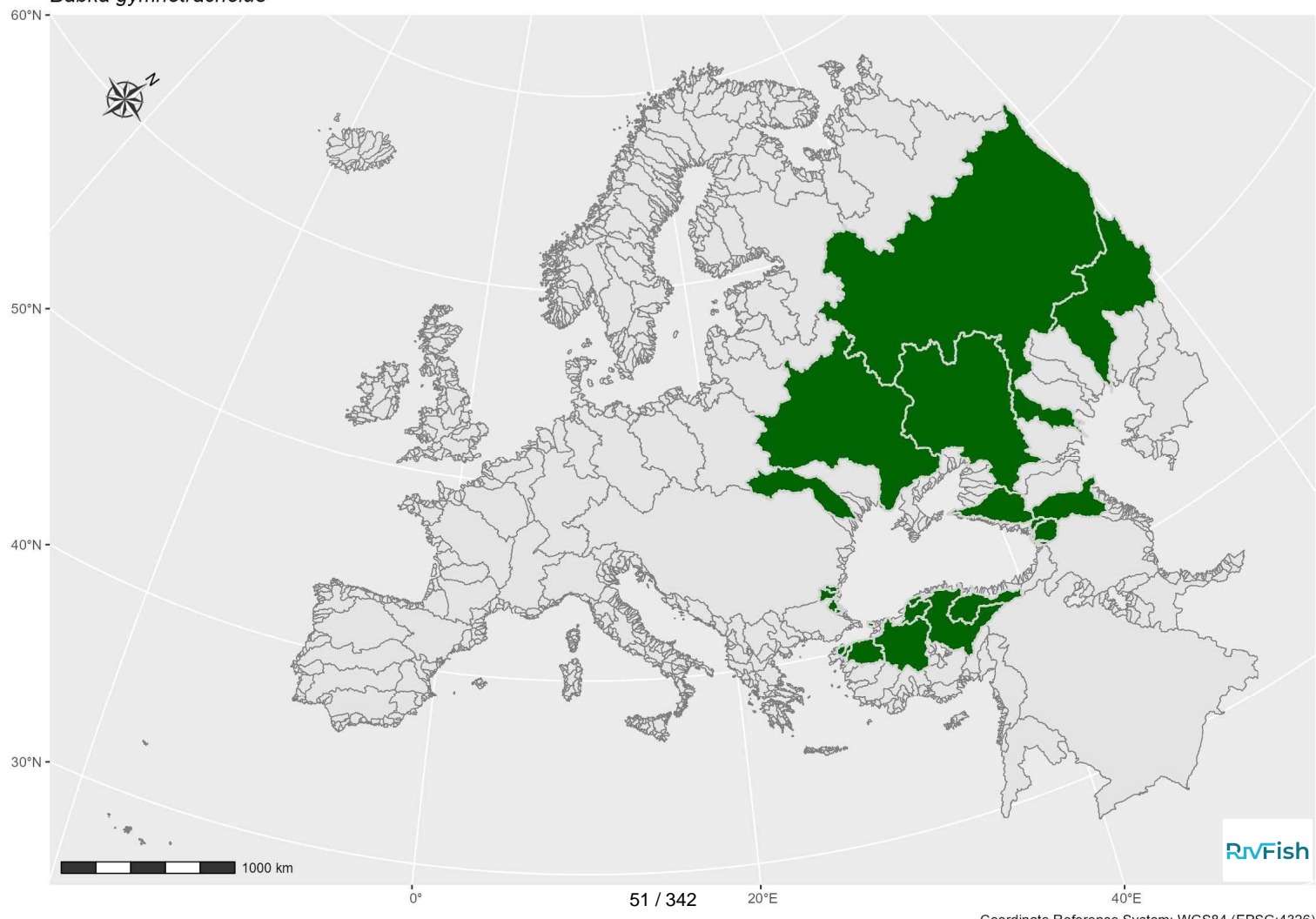
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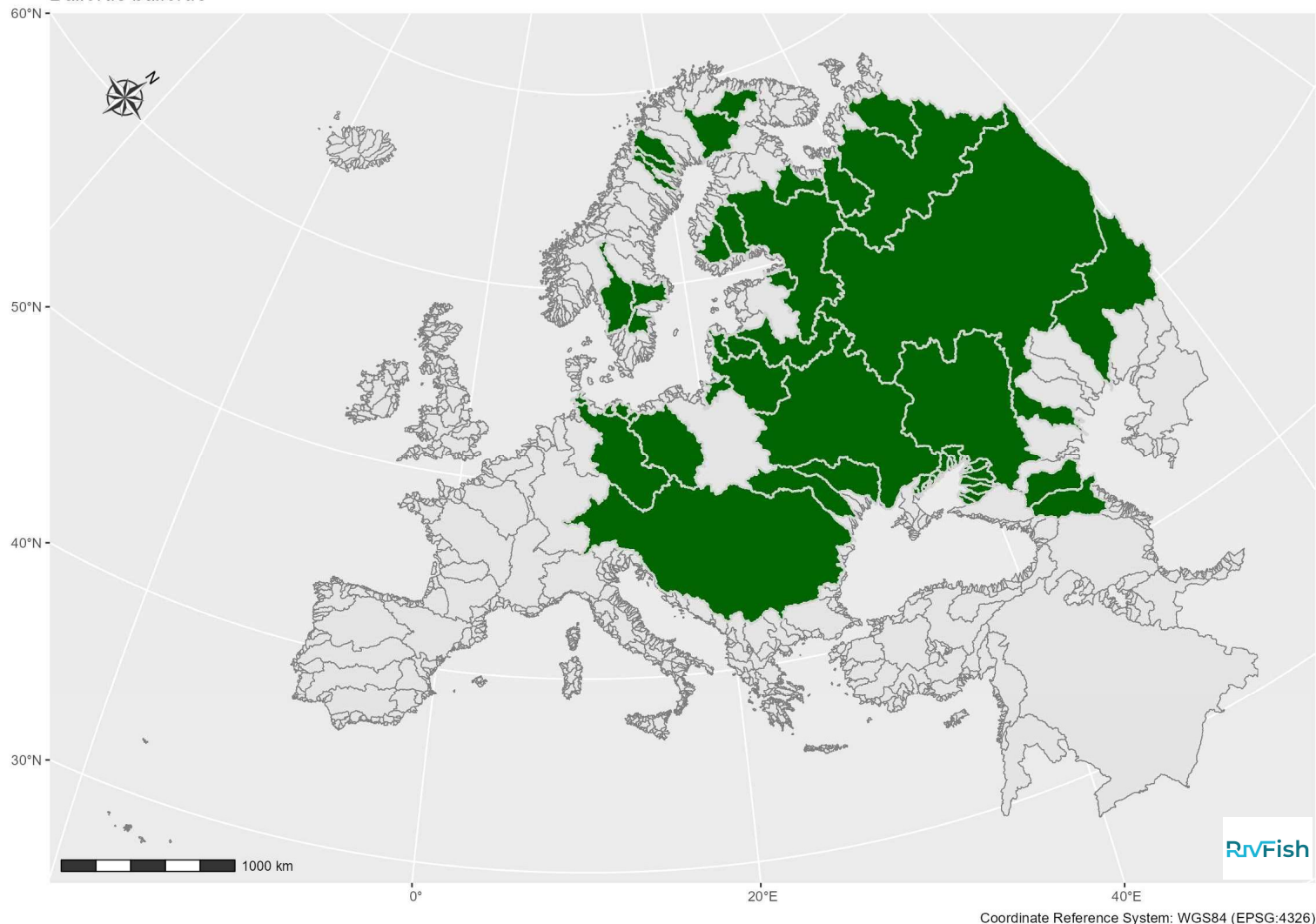
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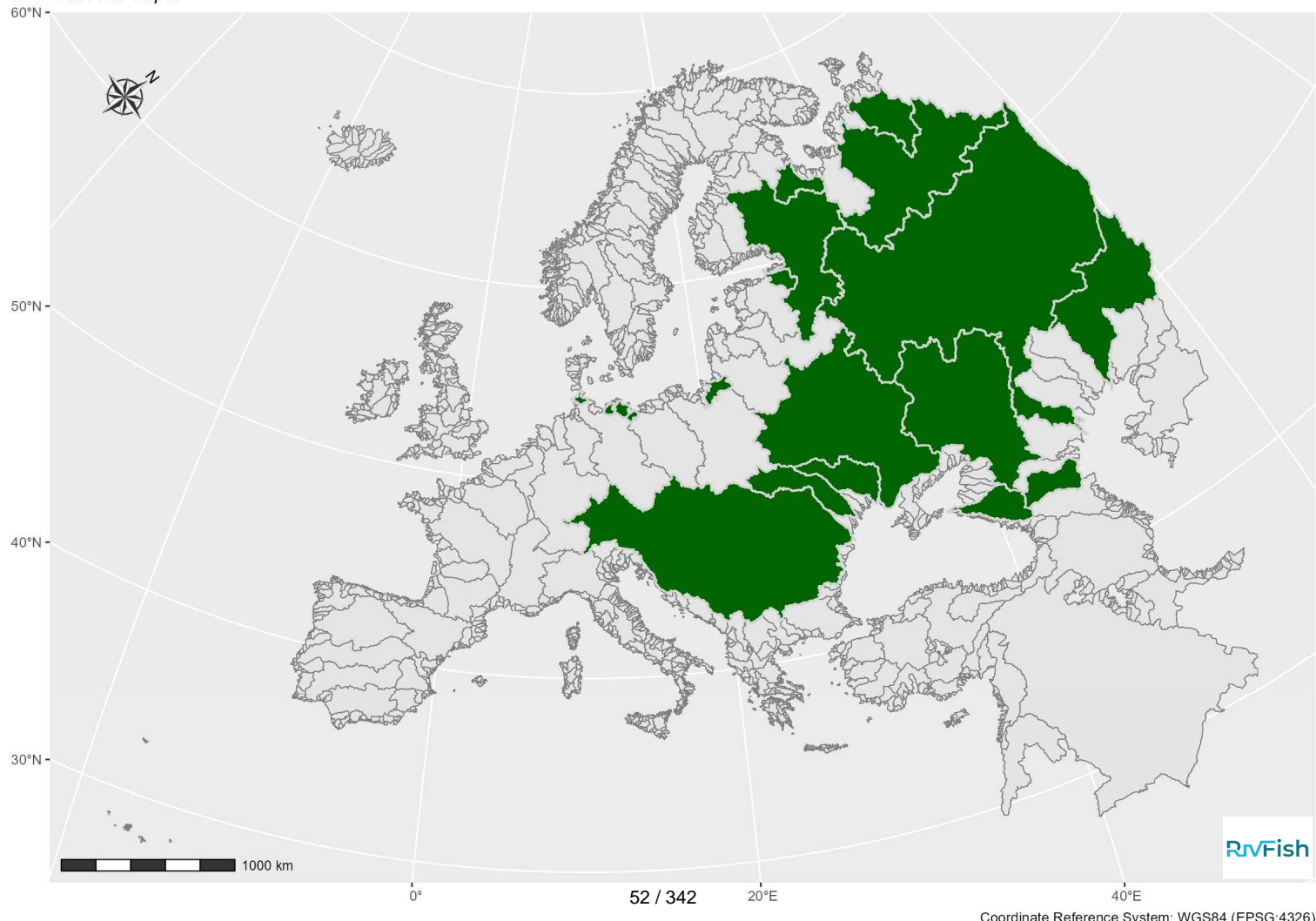
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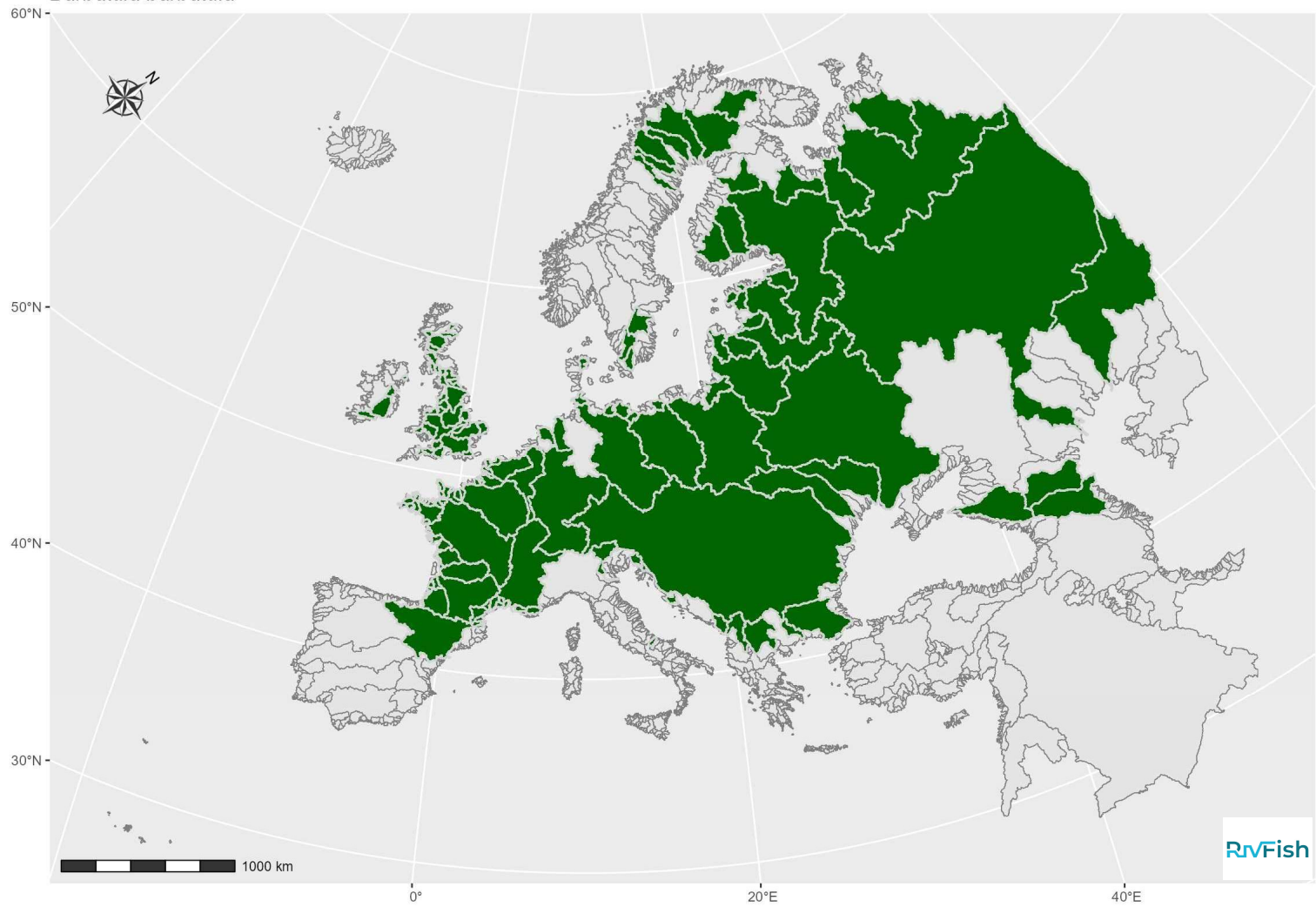
Ballerus ballerus



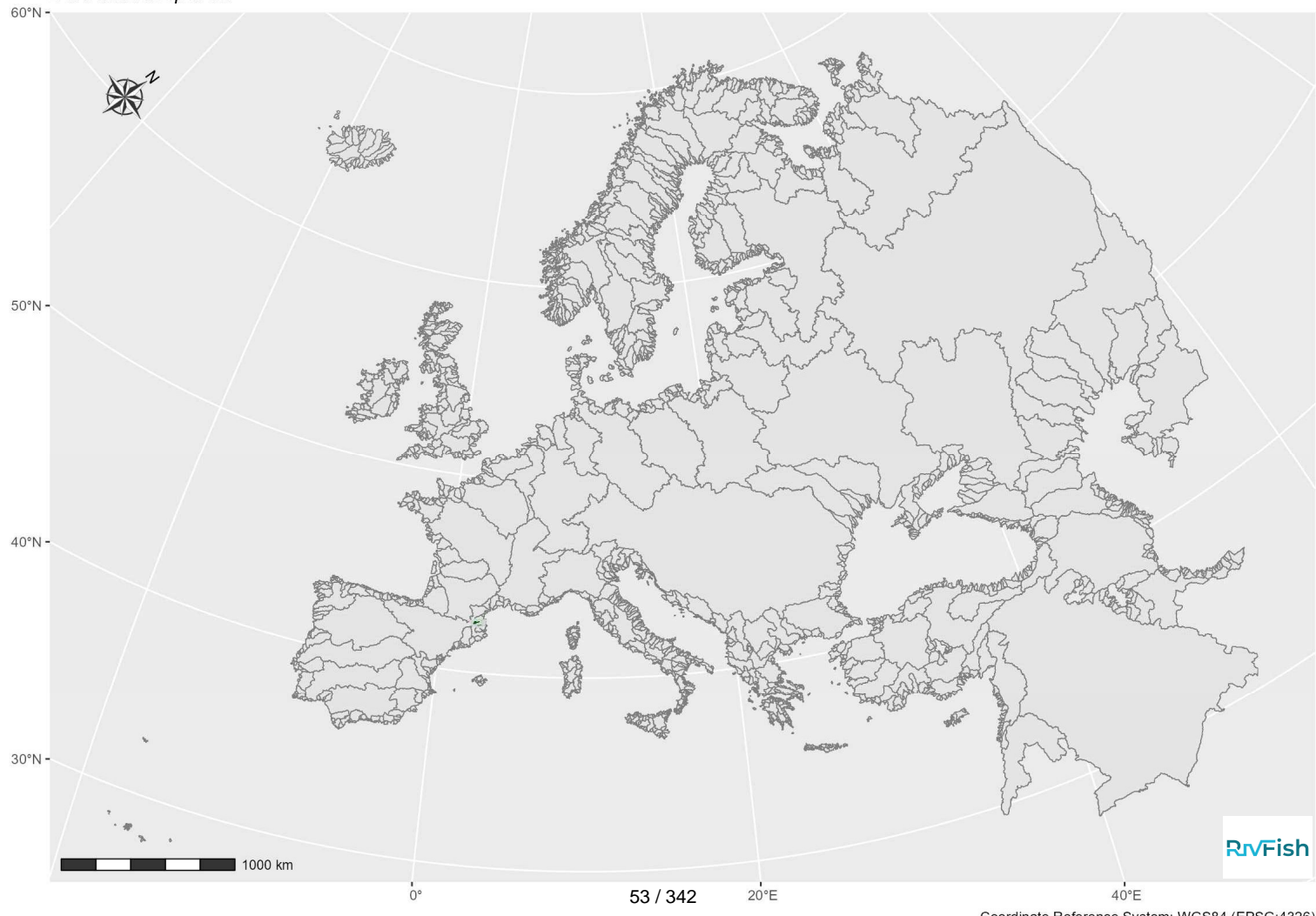
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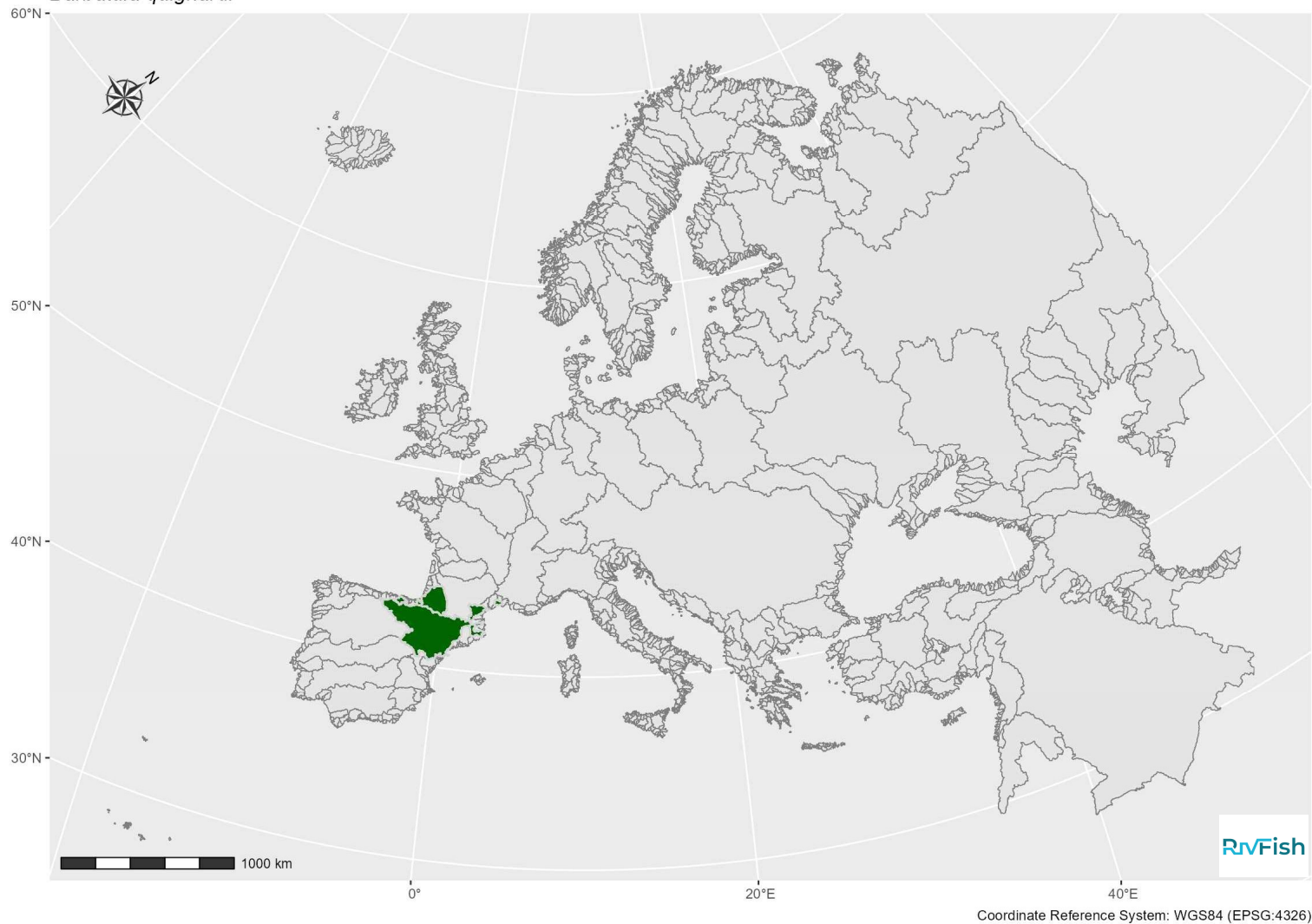
Barbatula barbatula



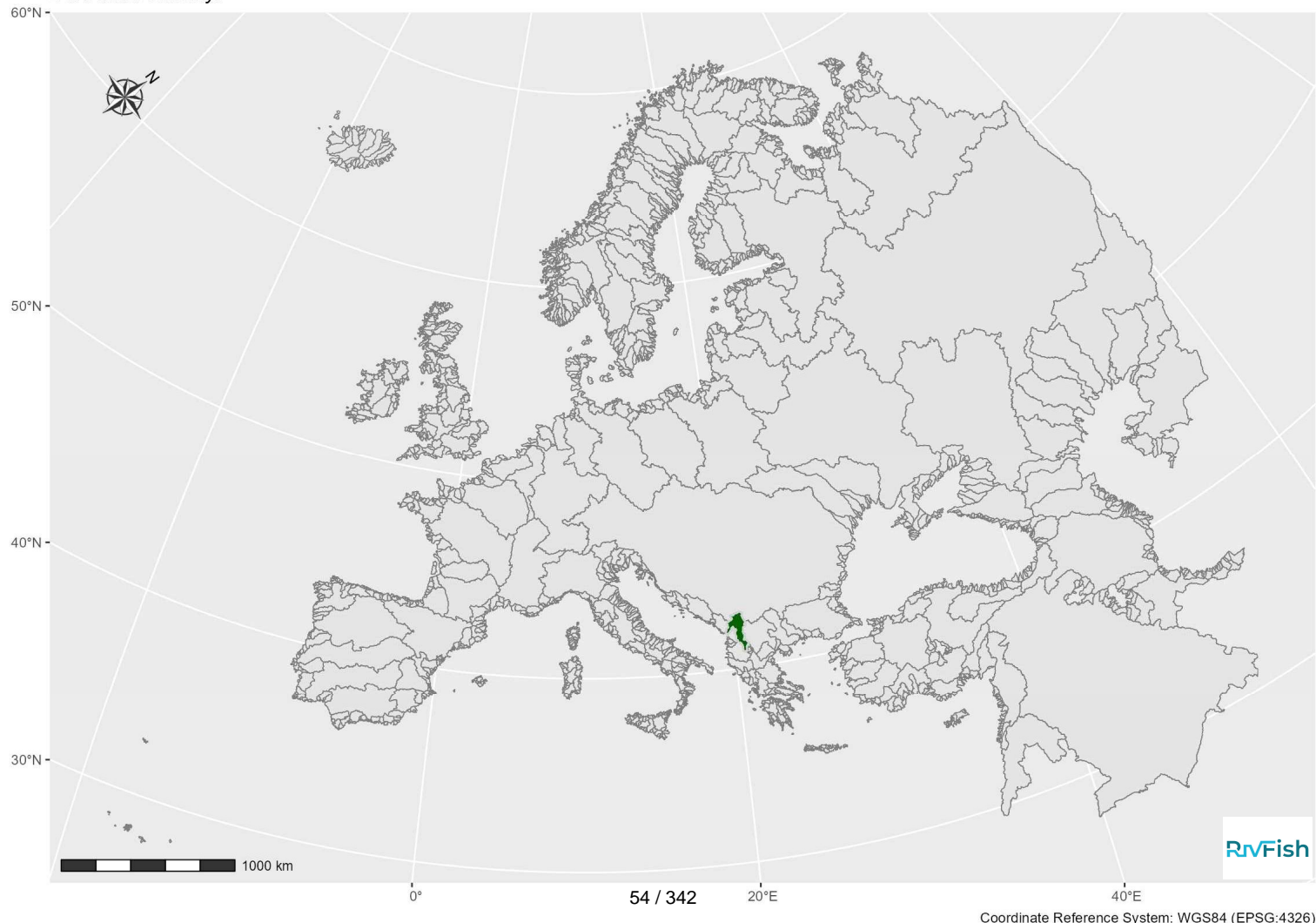
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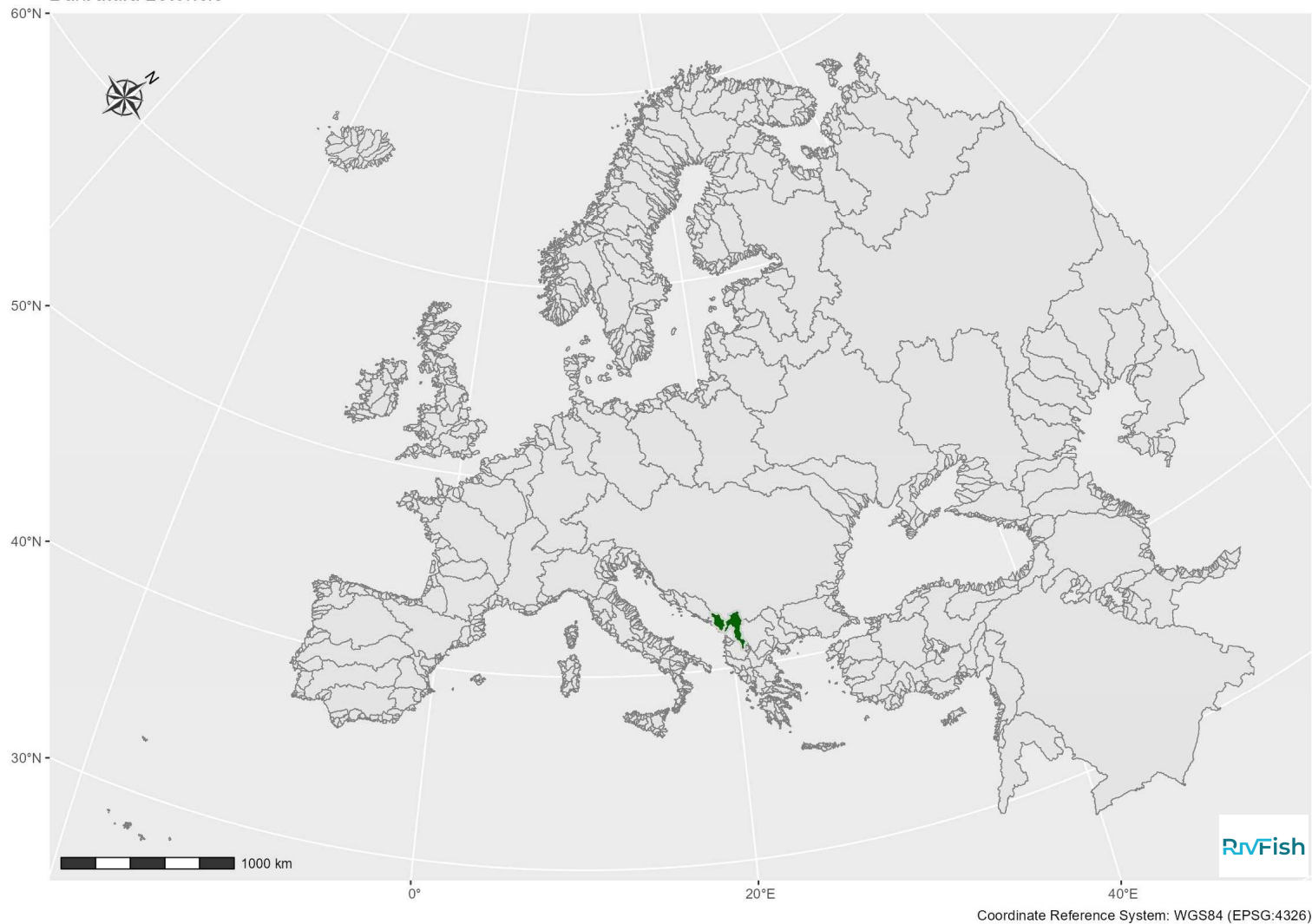
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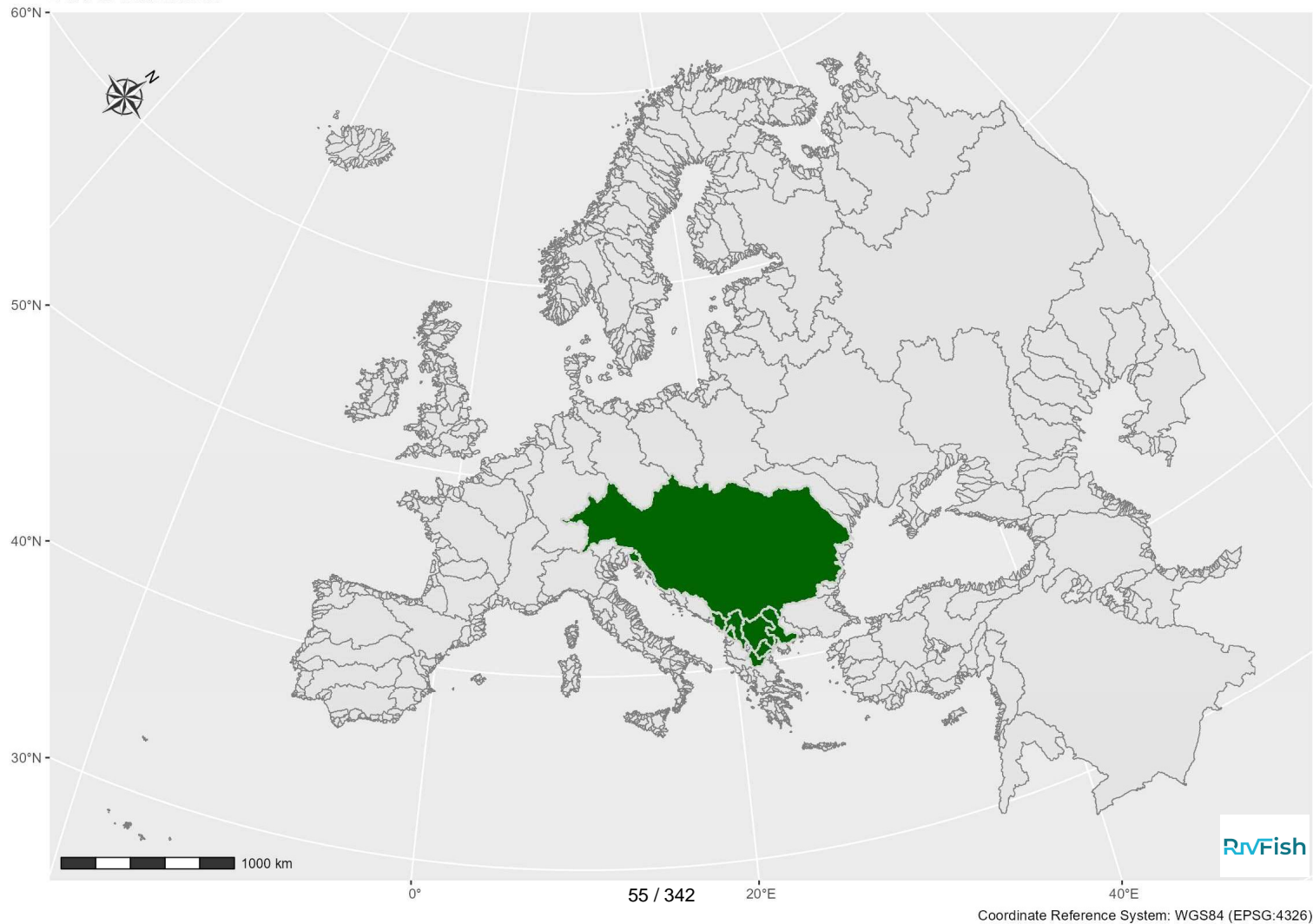
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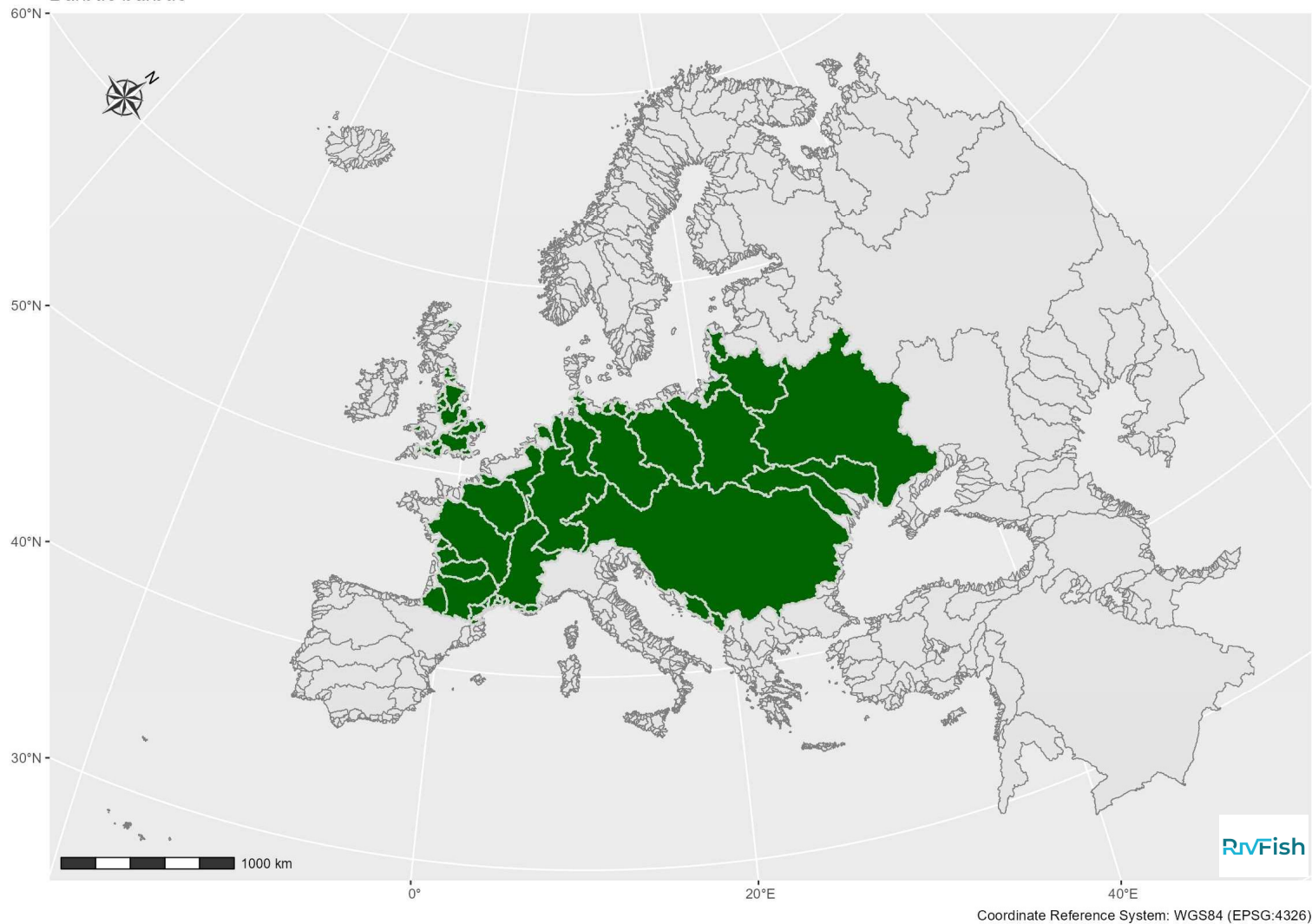
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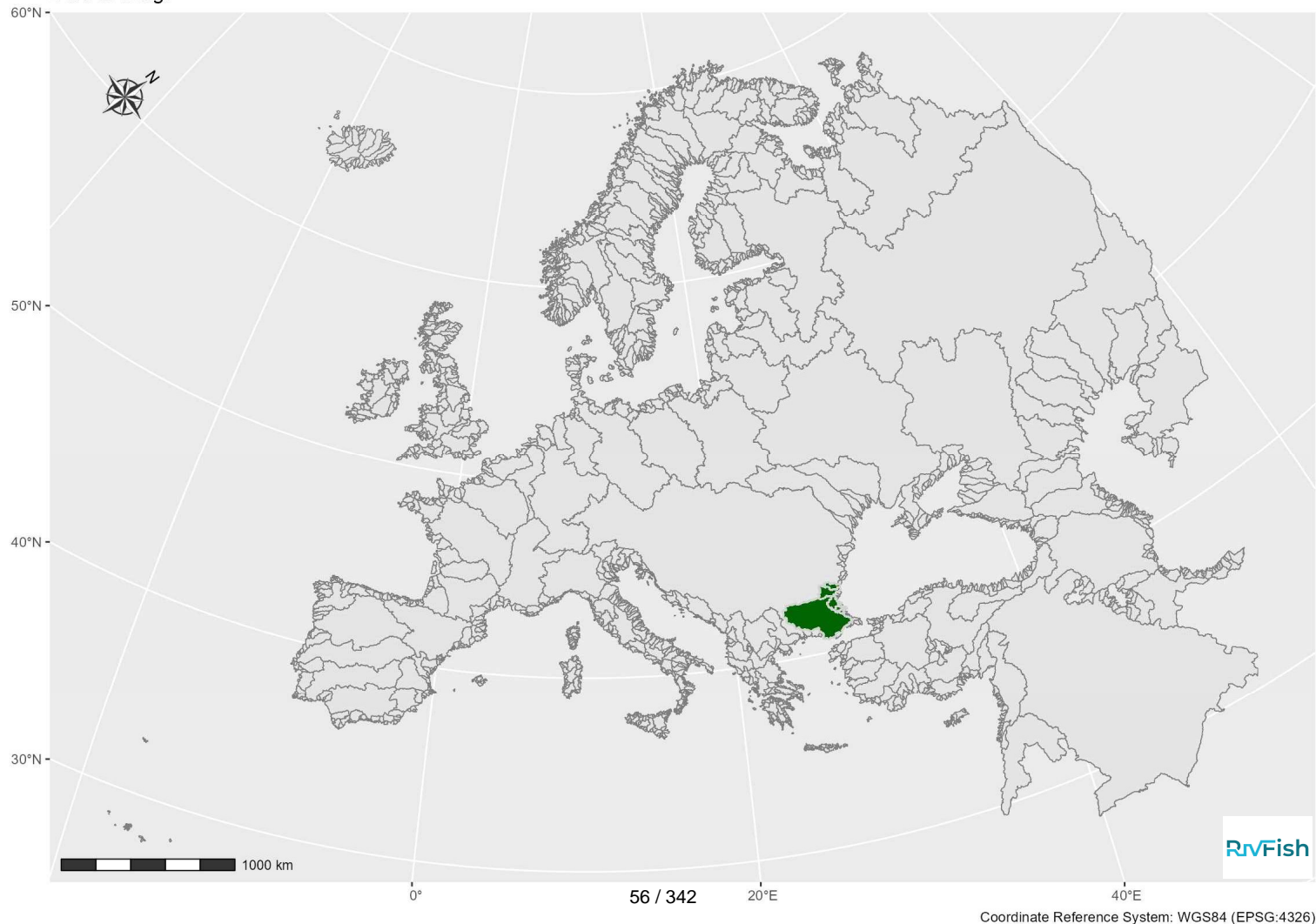
Barbus balcanicus



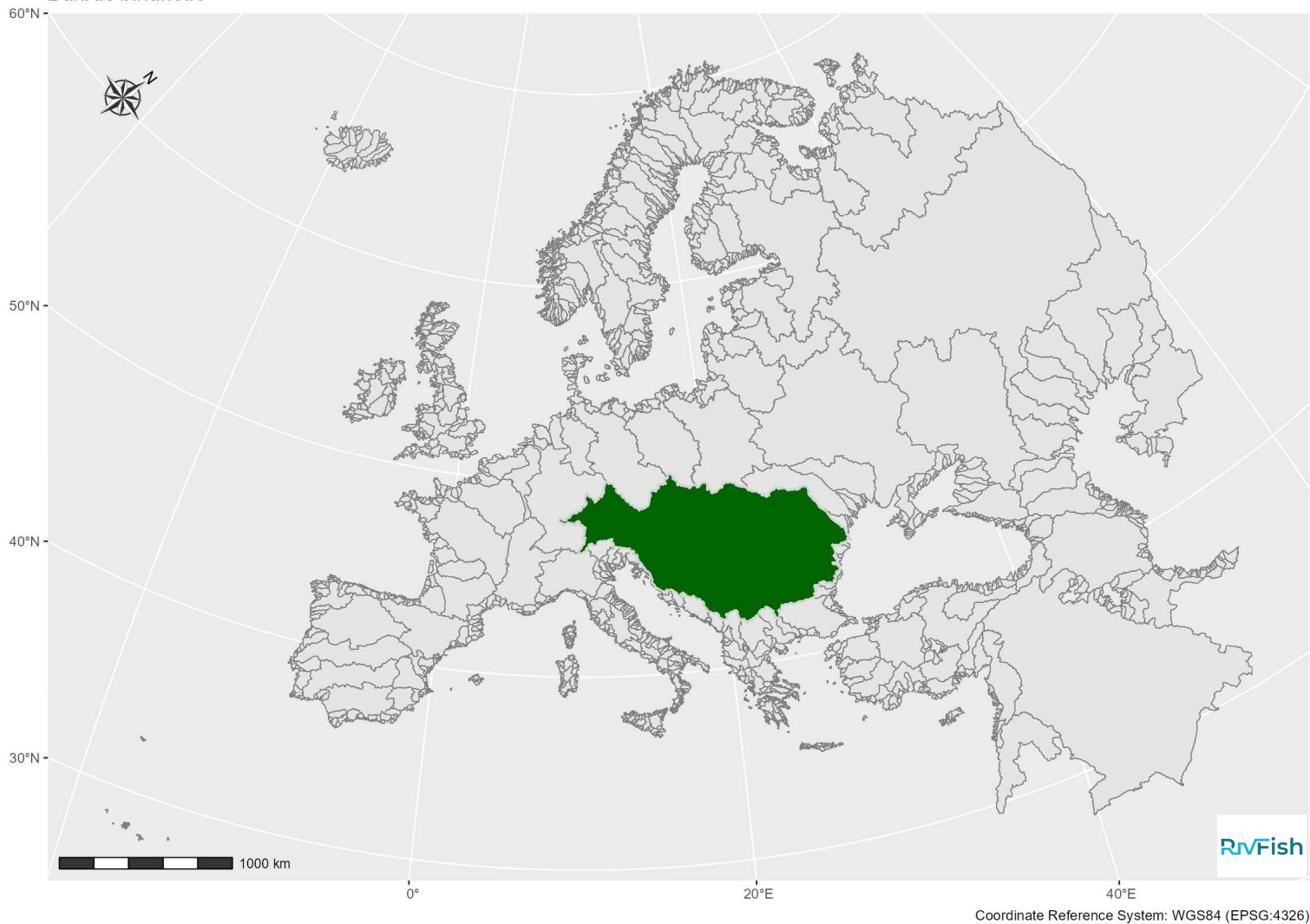
Barbus barbus



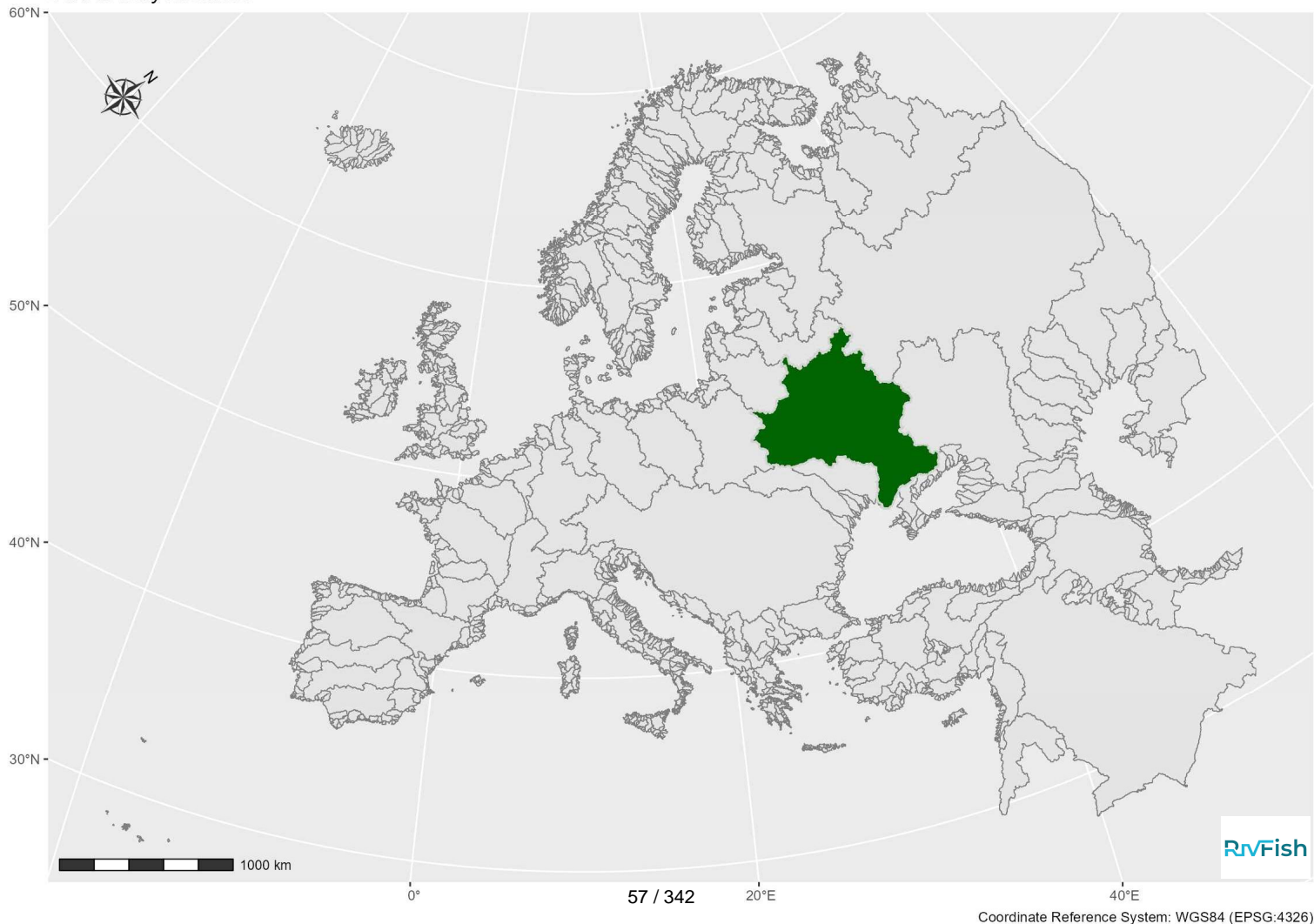
Barbus bergi



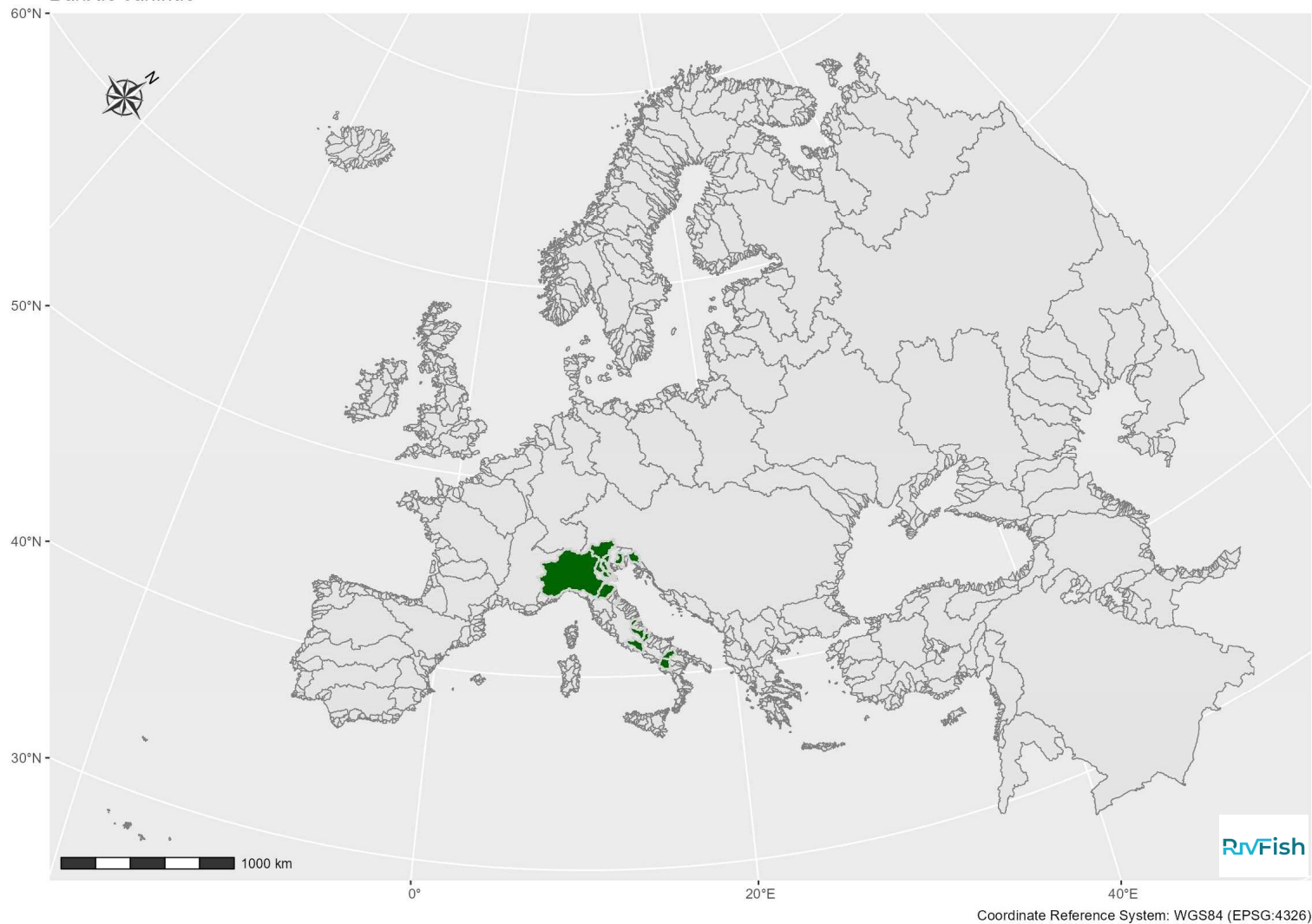
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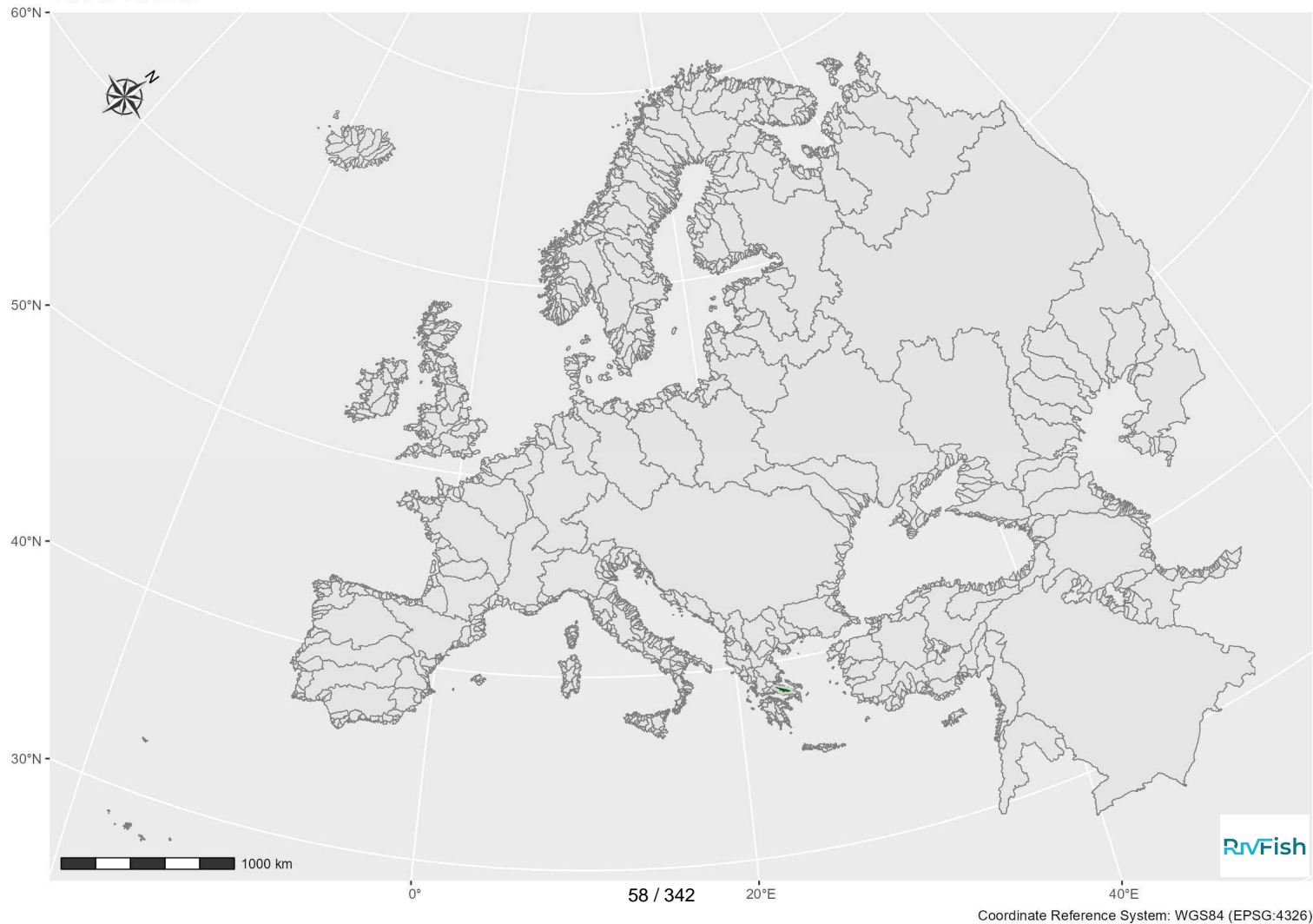
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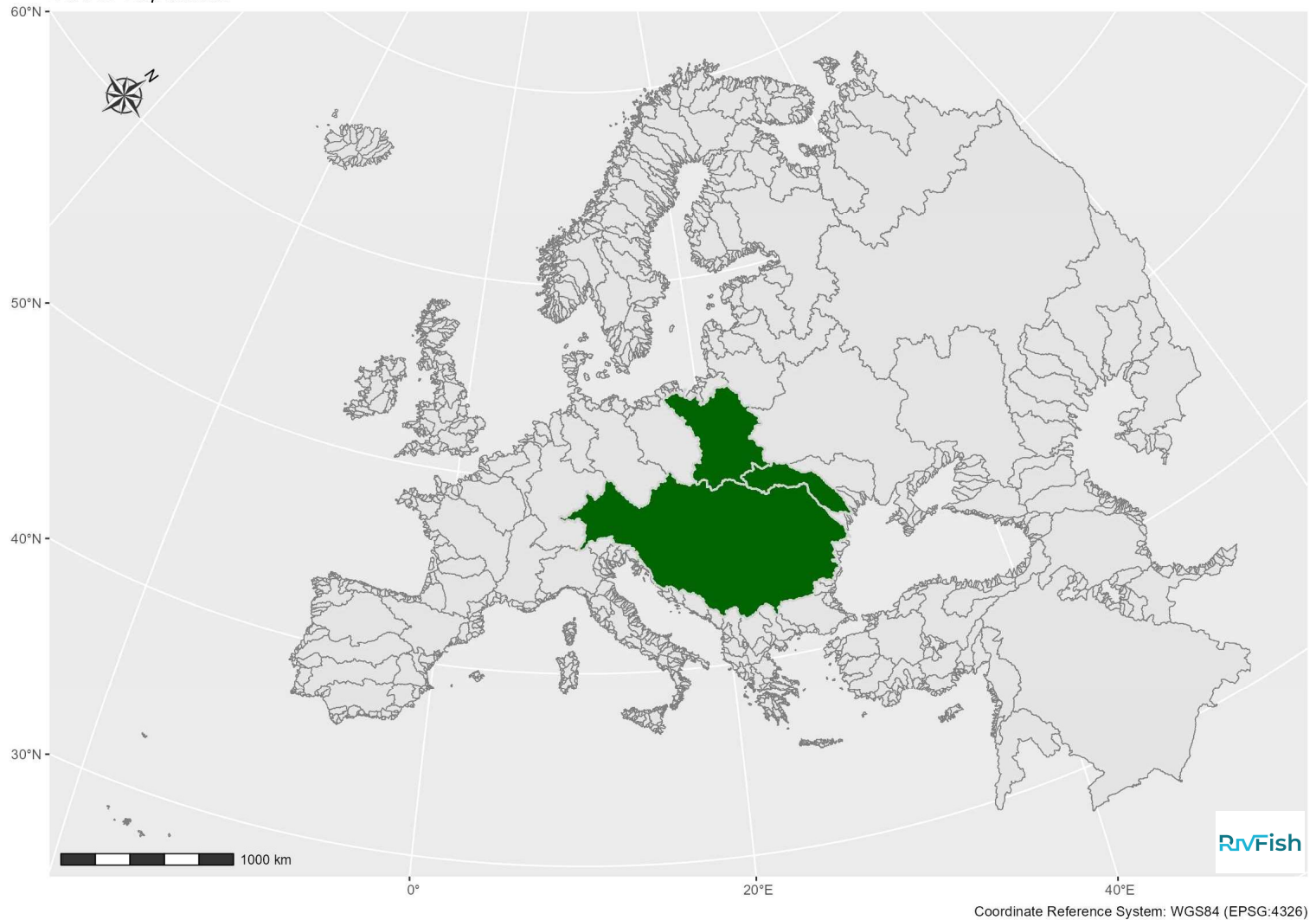
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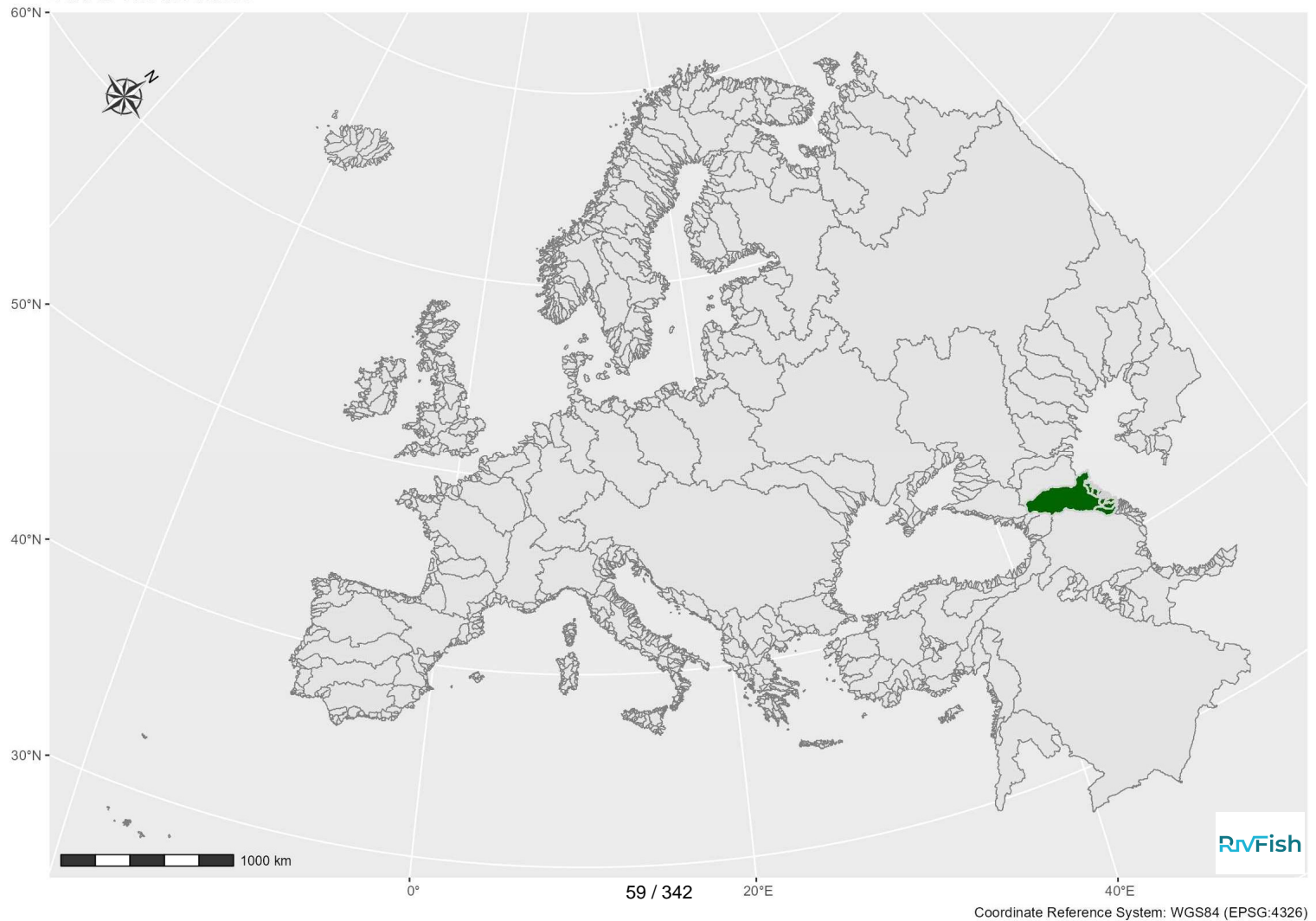
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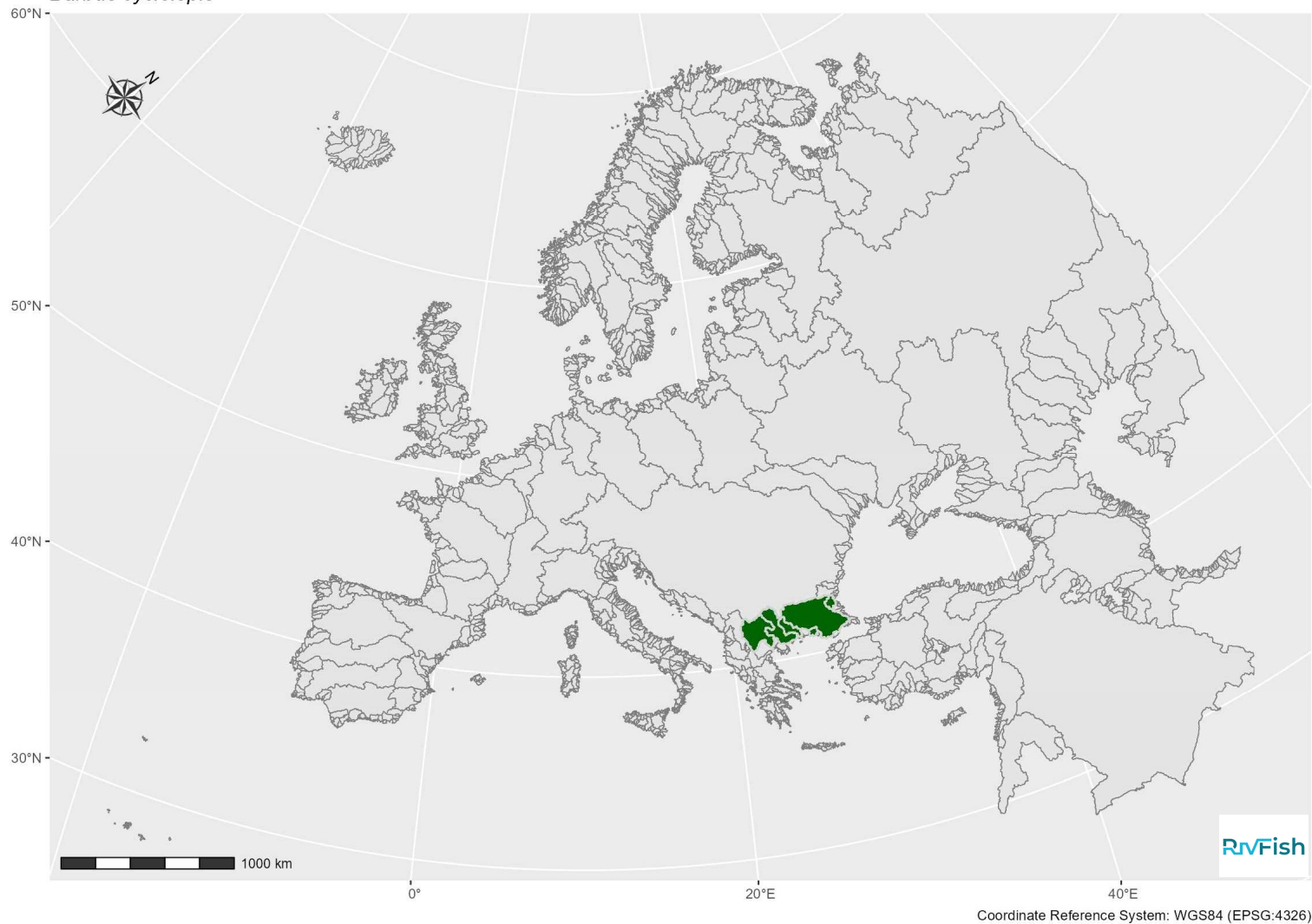
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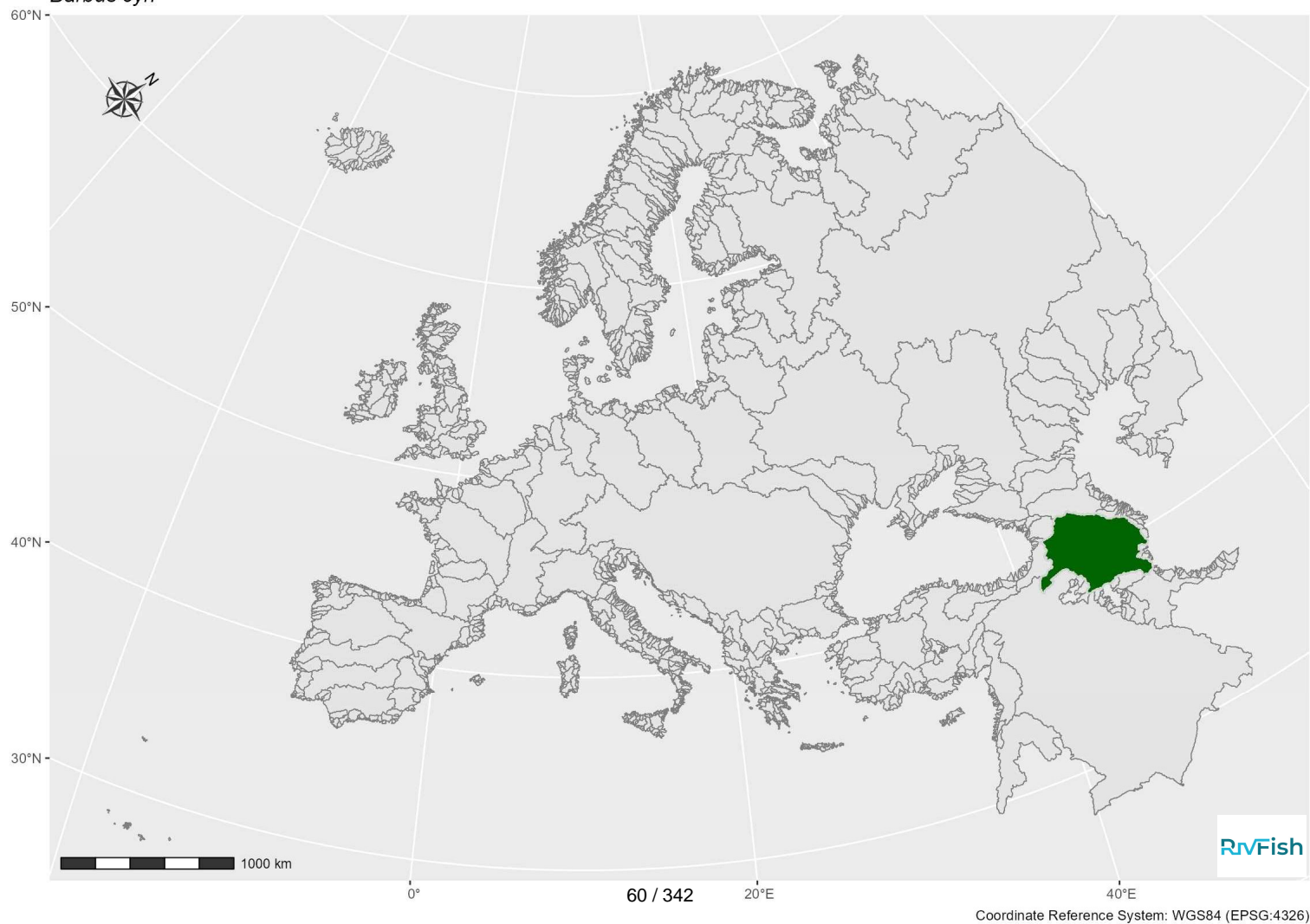
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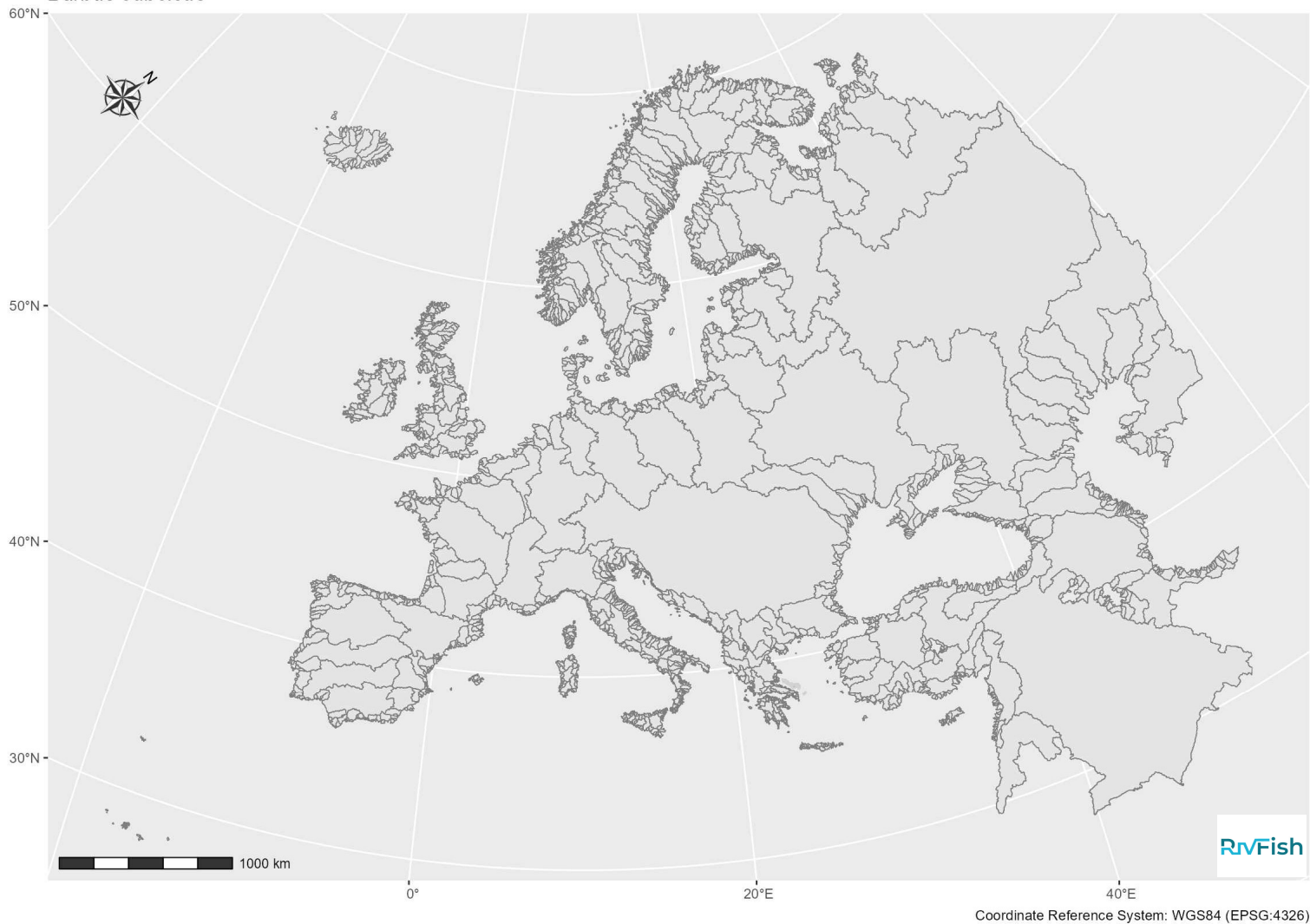
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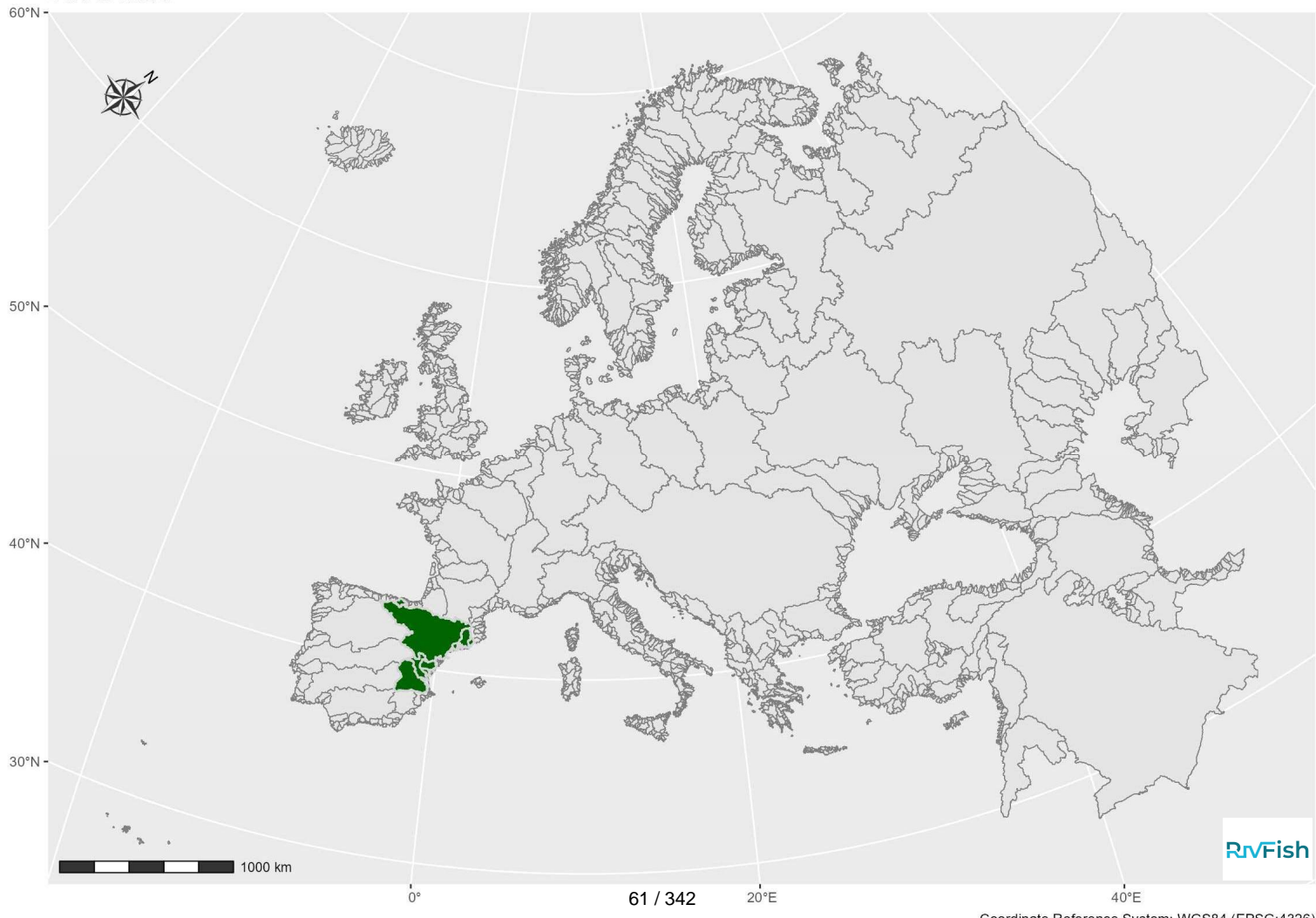
Barbus cyri



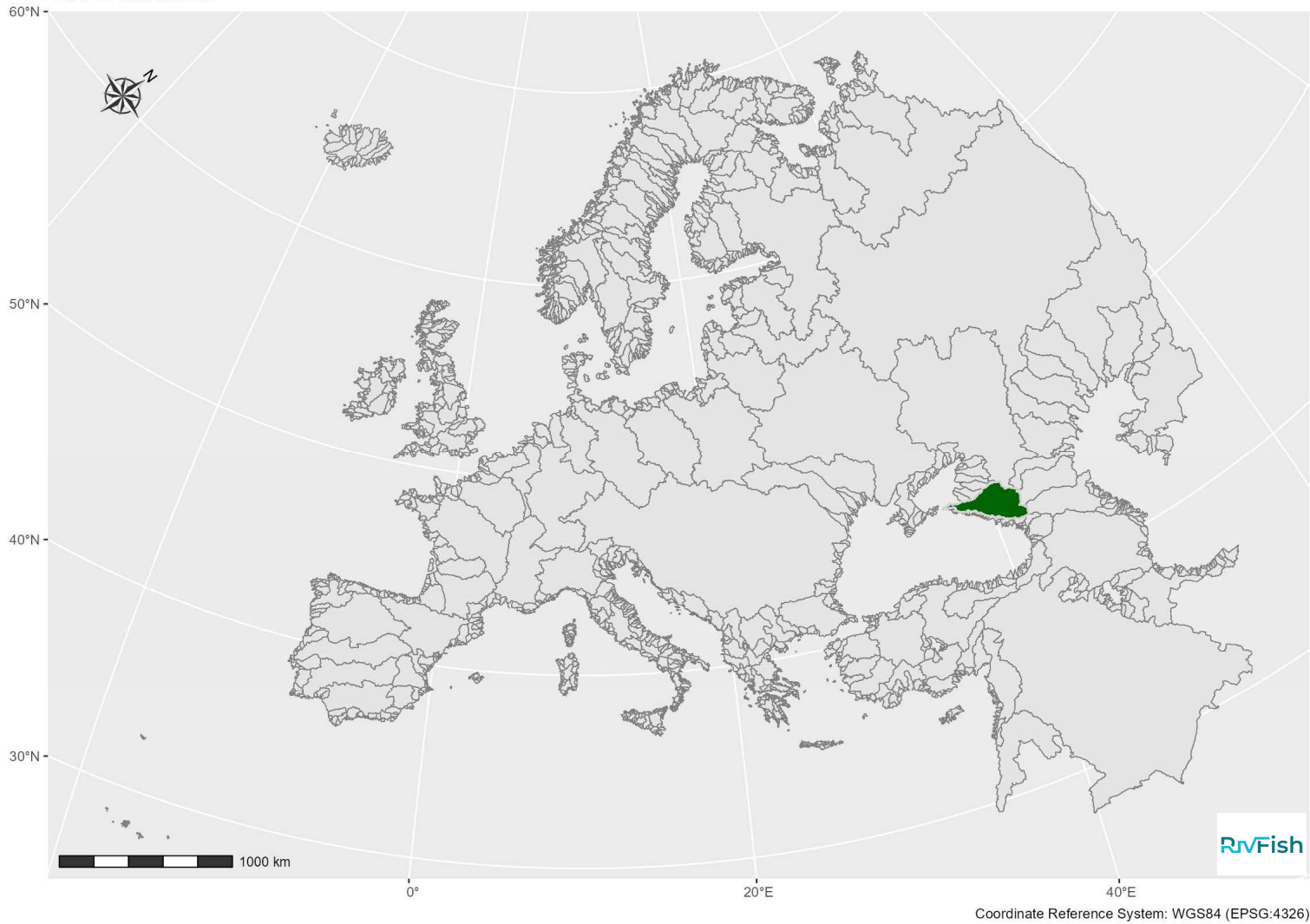
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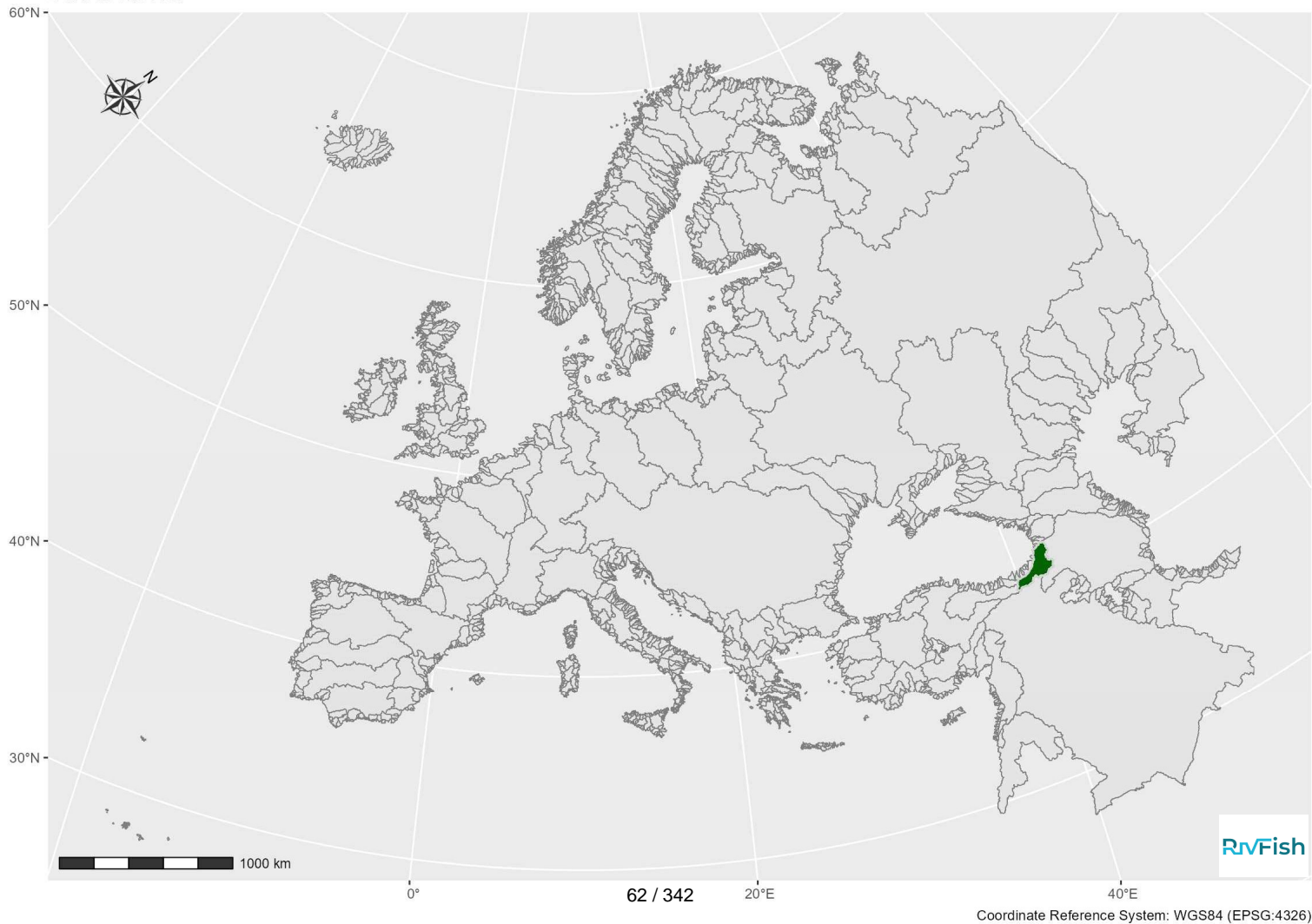
Barbus haasi



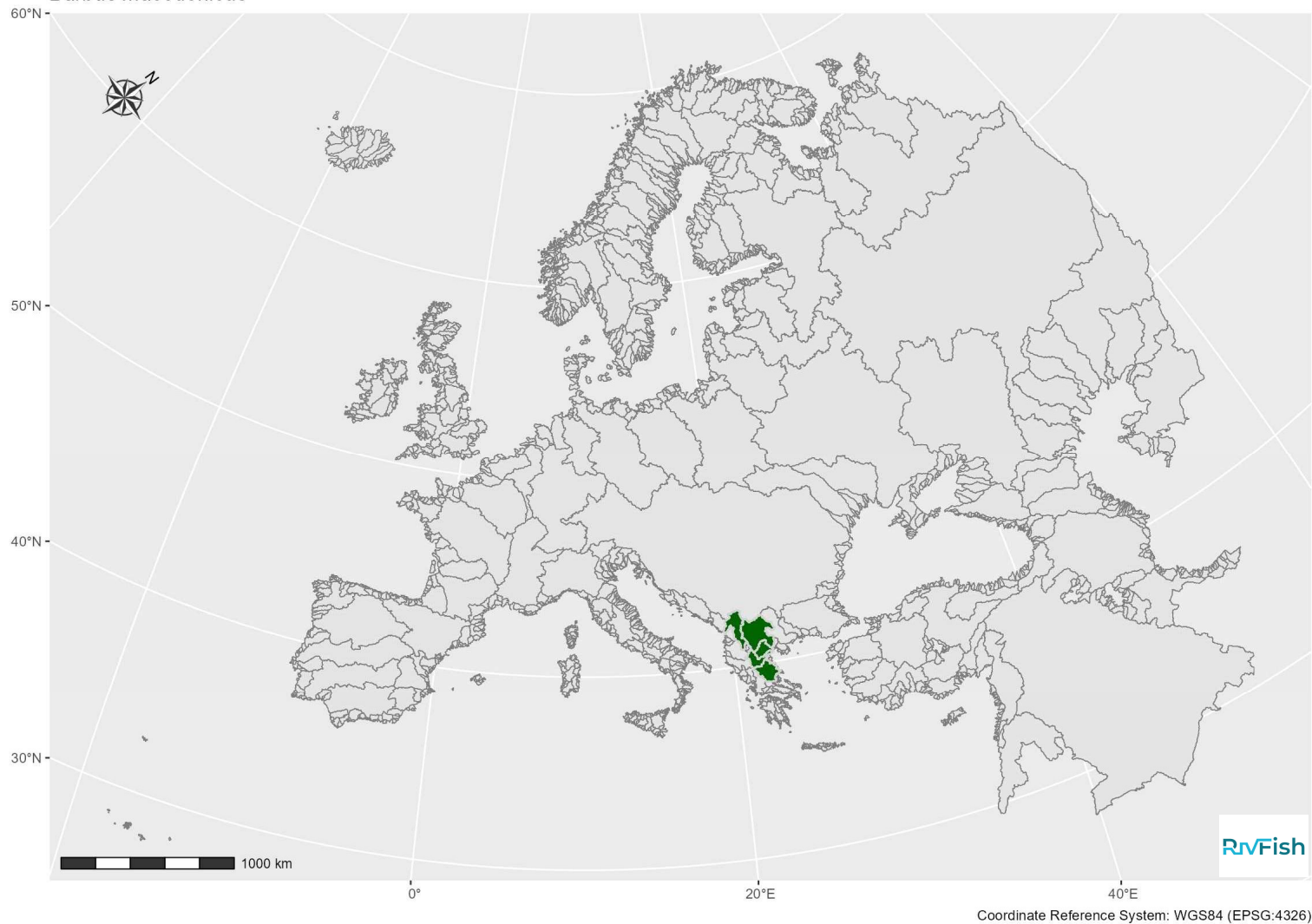
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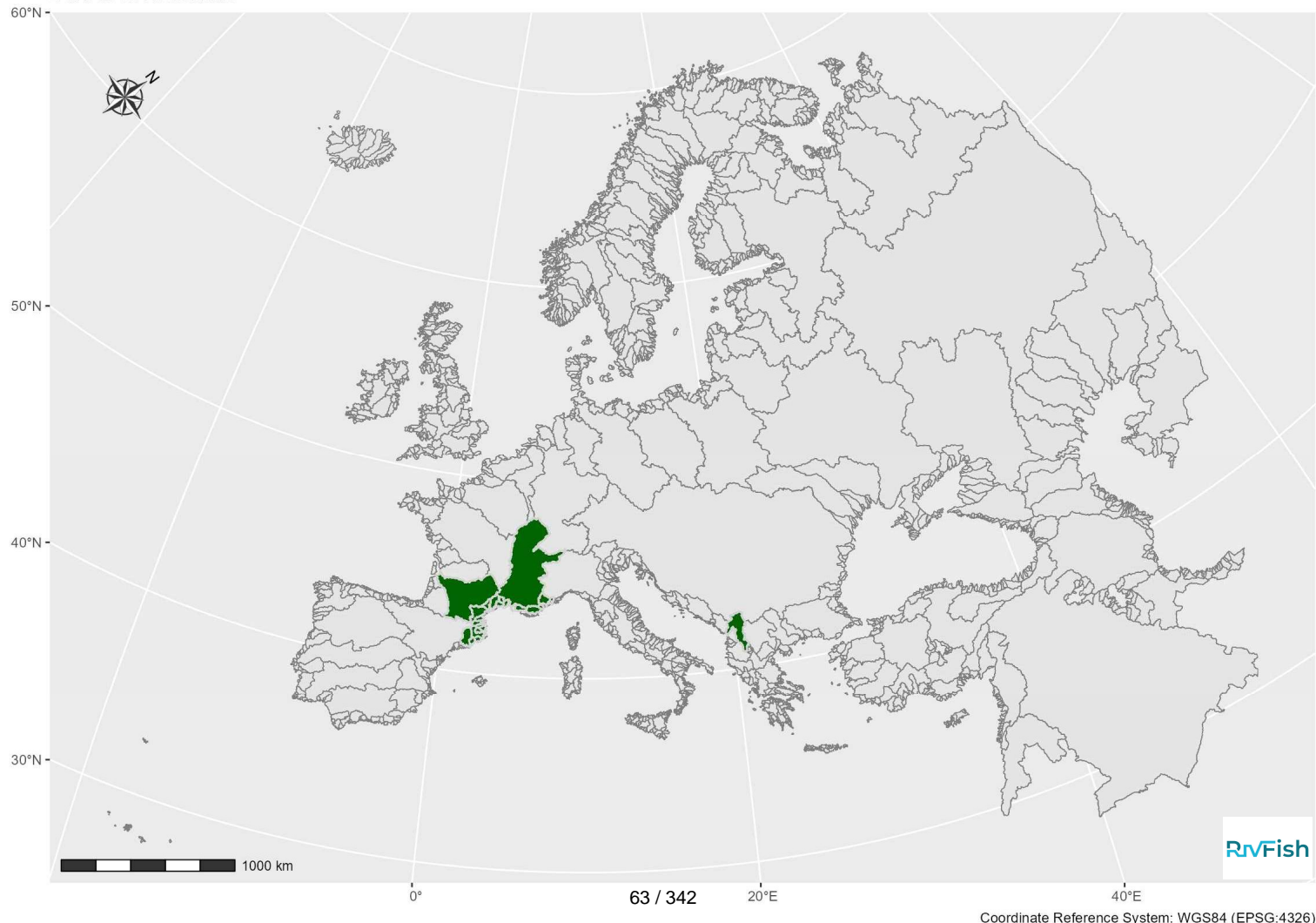
Barbus lacerta



Barbus macedonicus



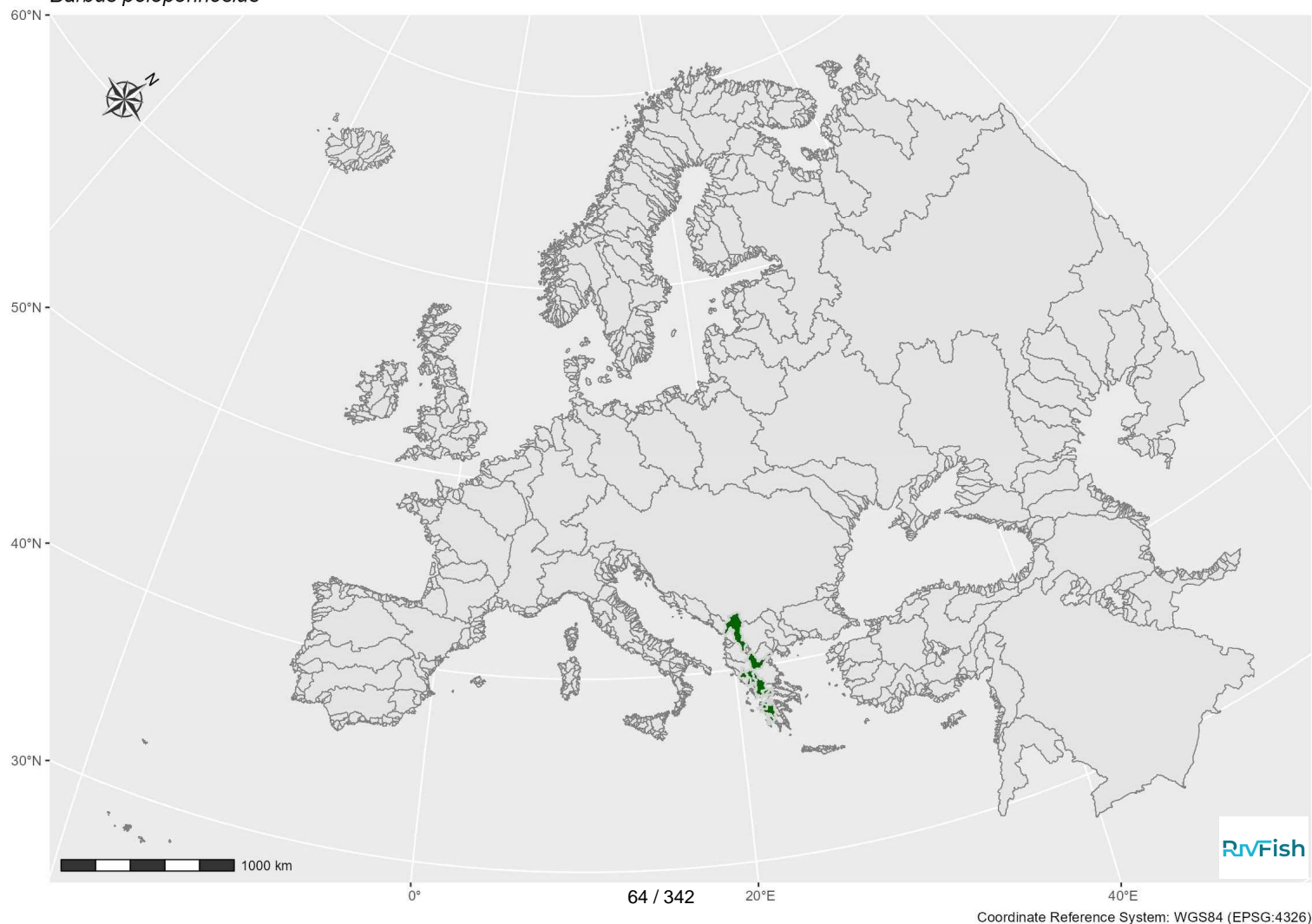
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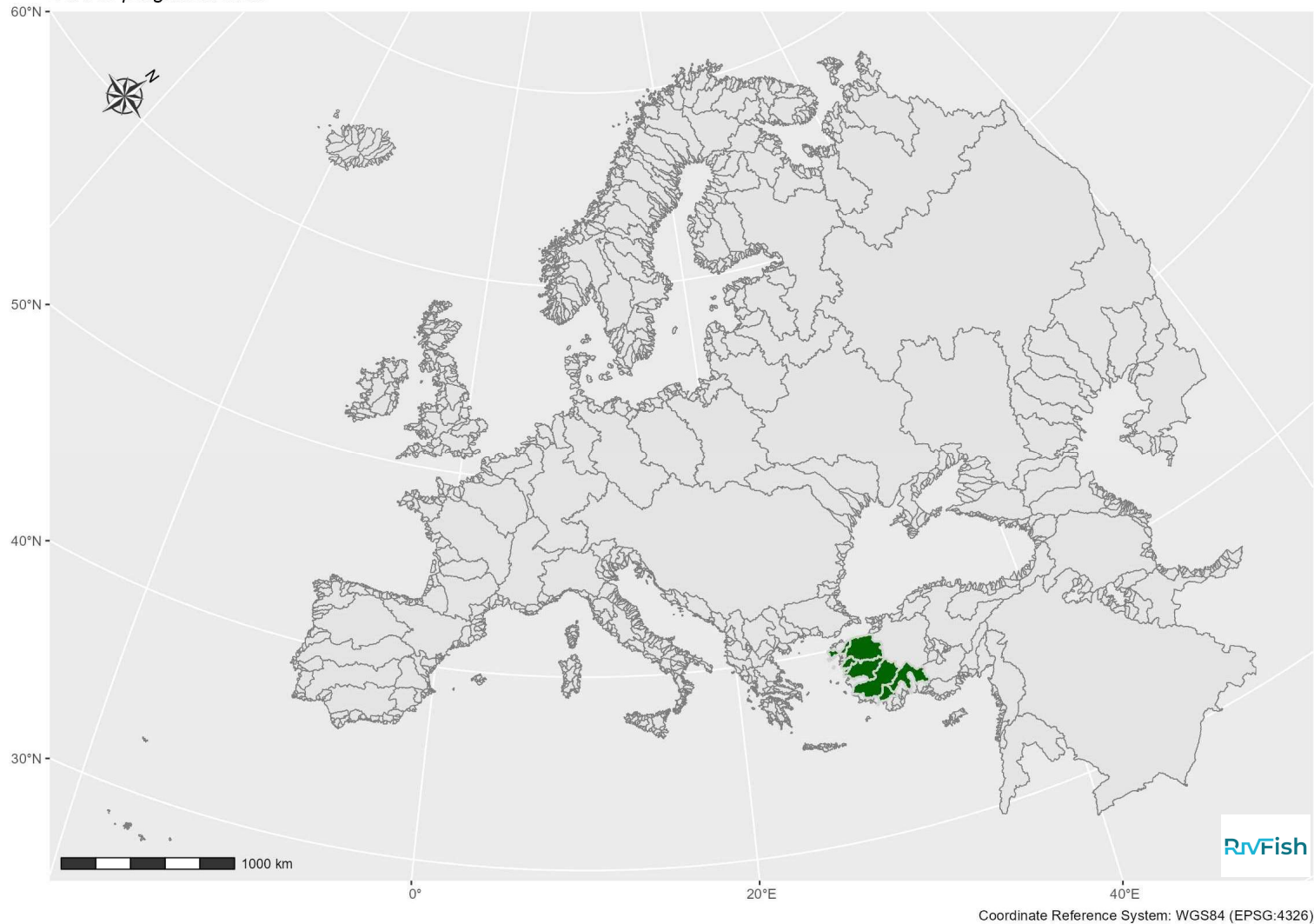
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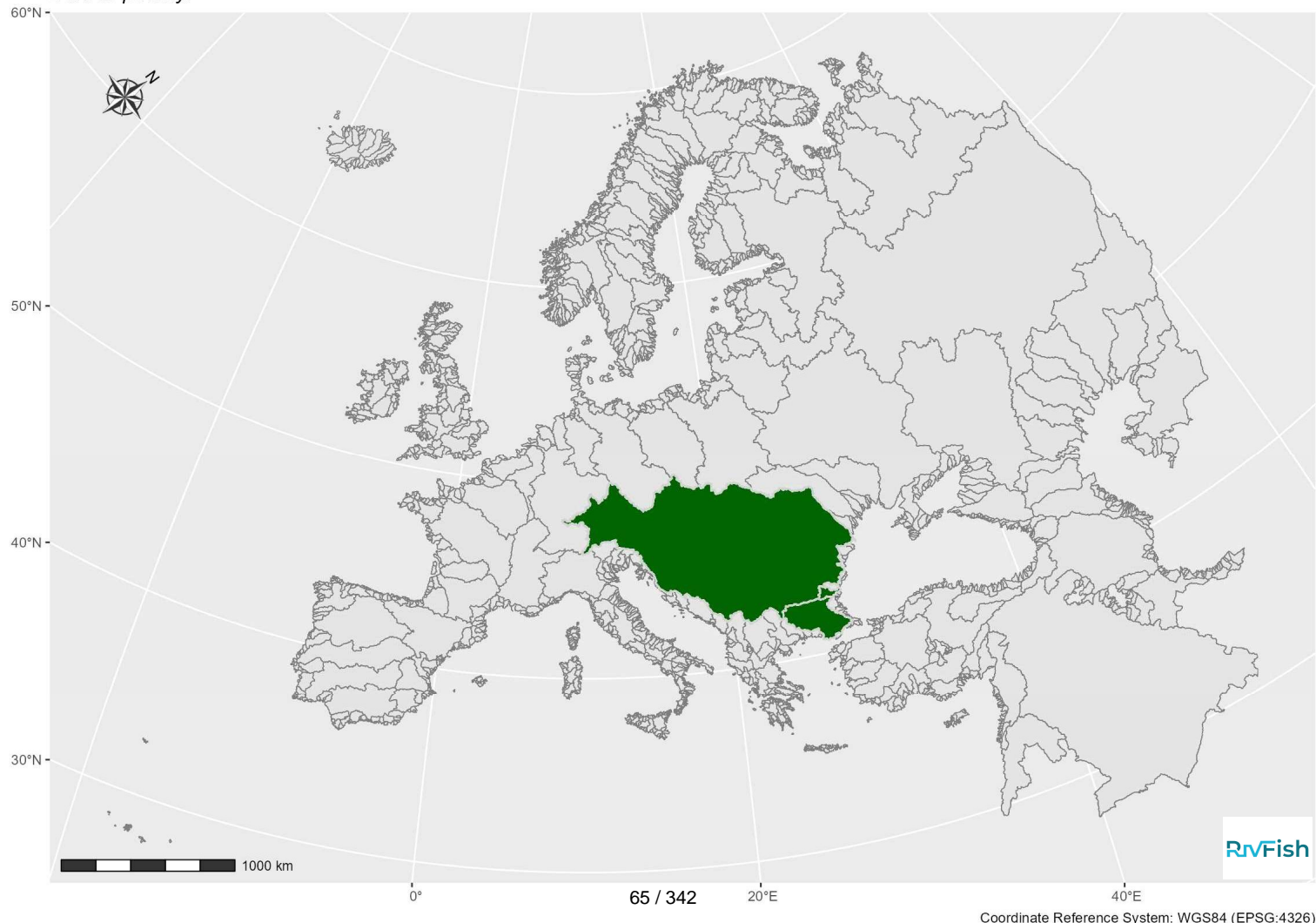
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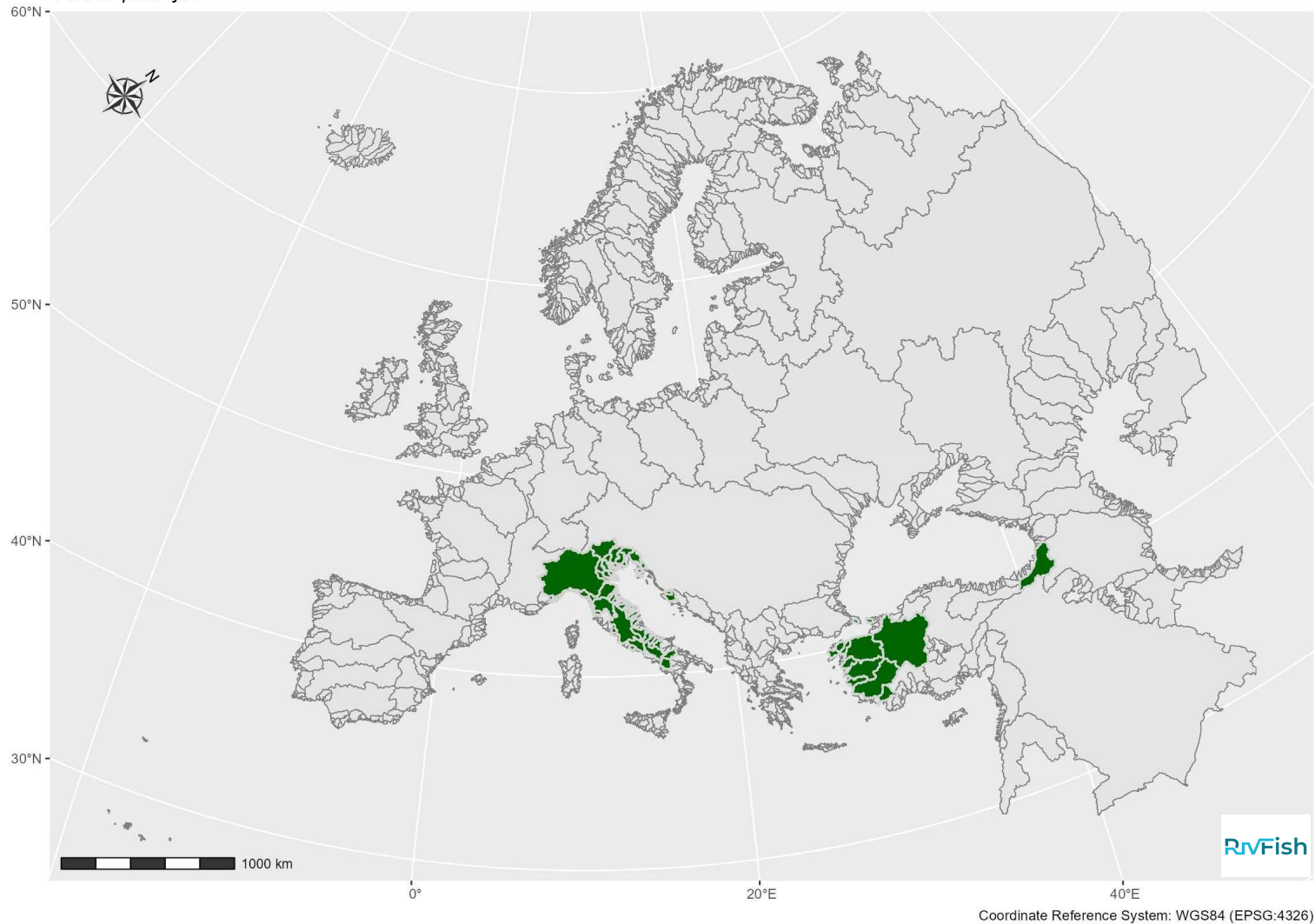
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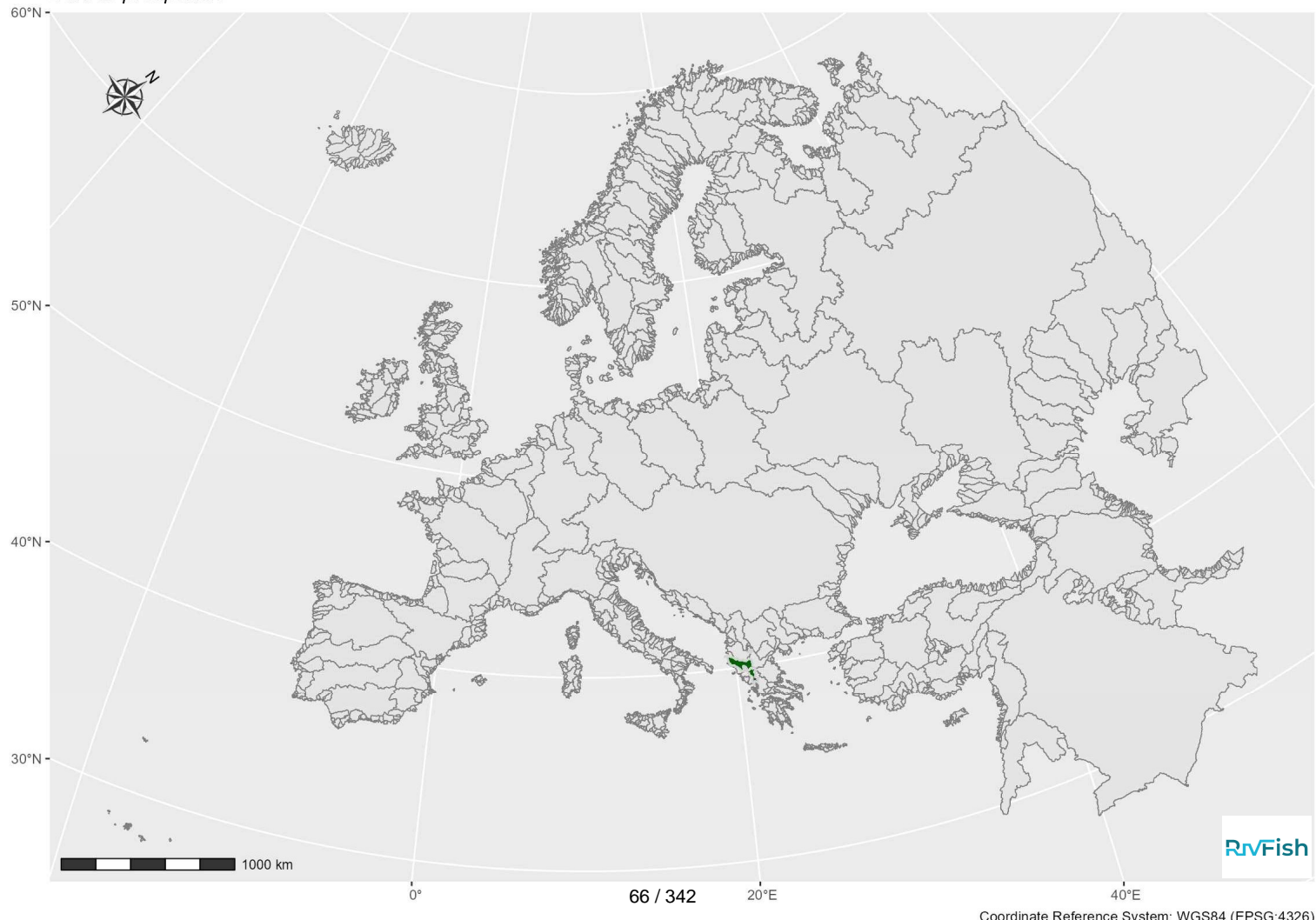
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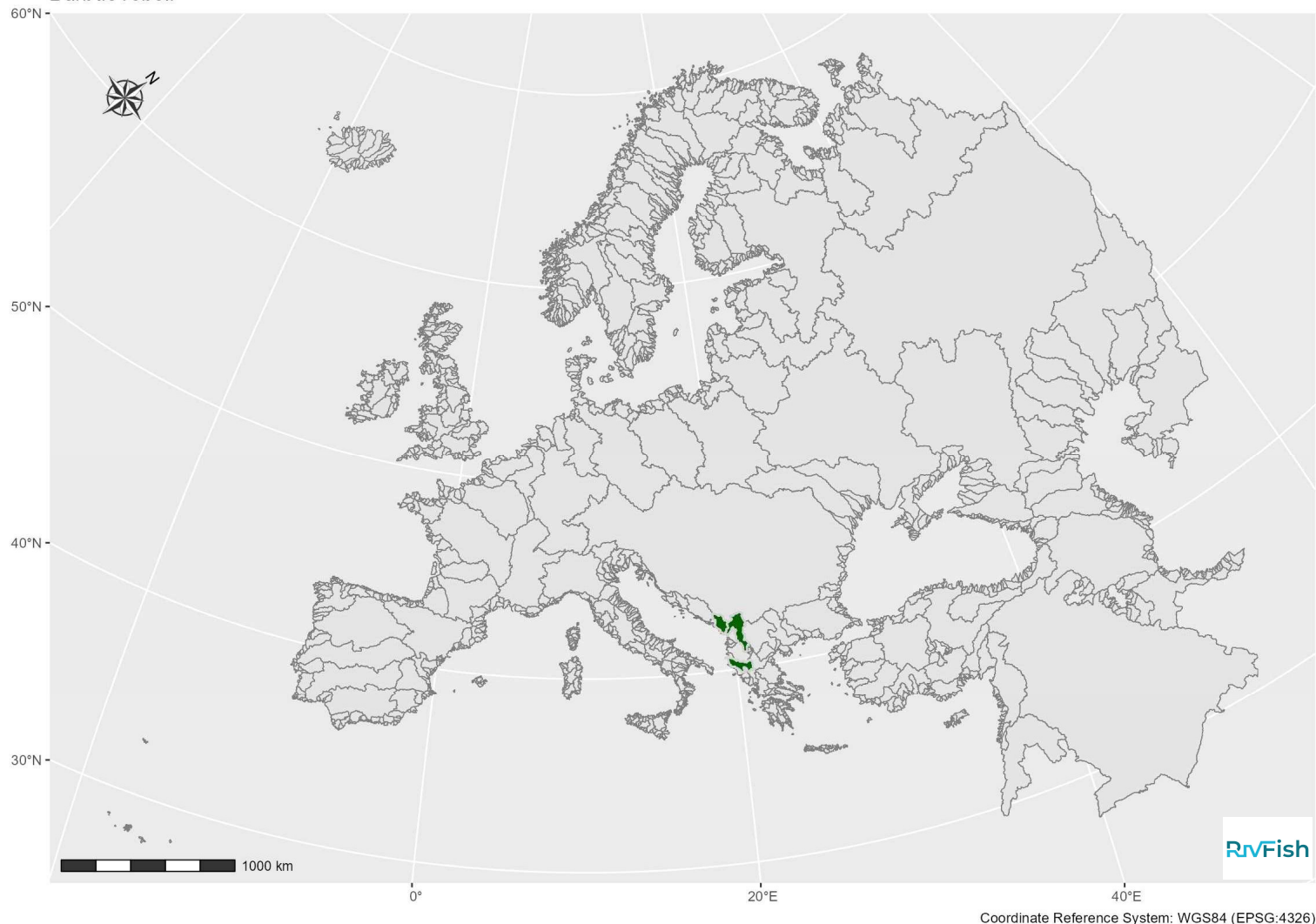
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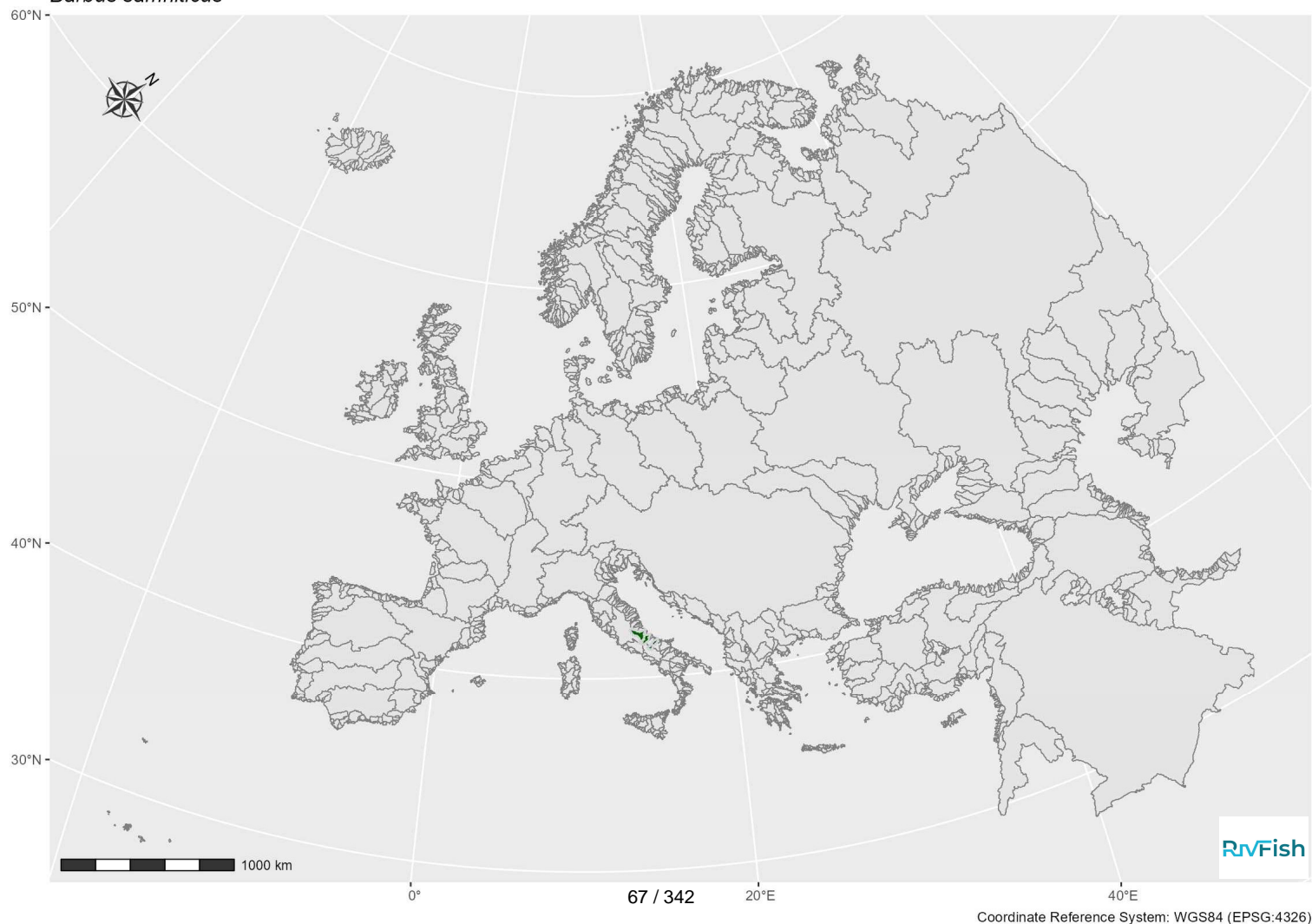
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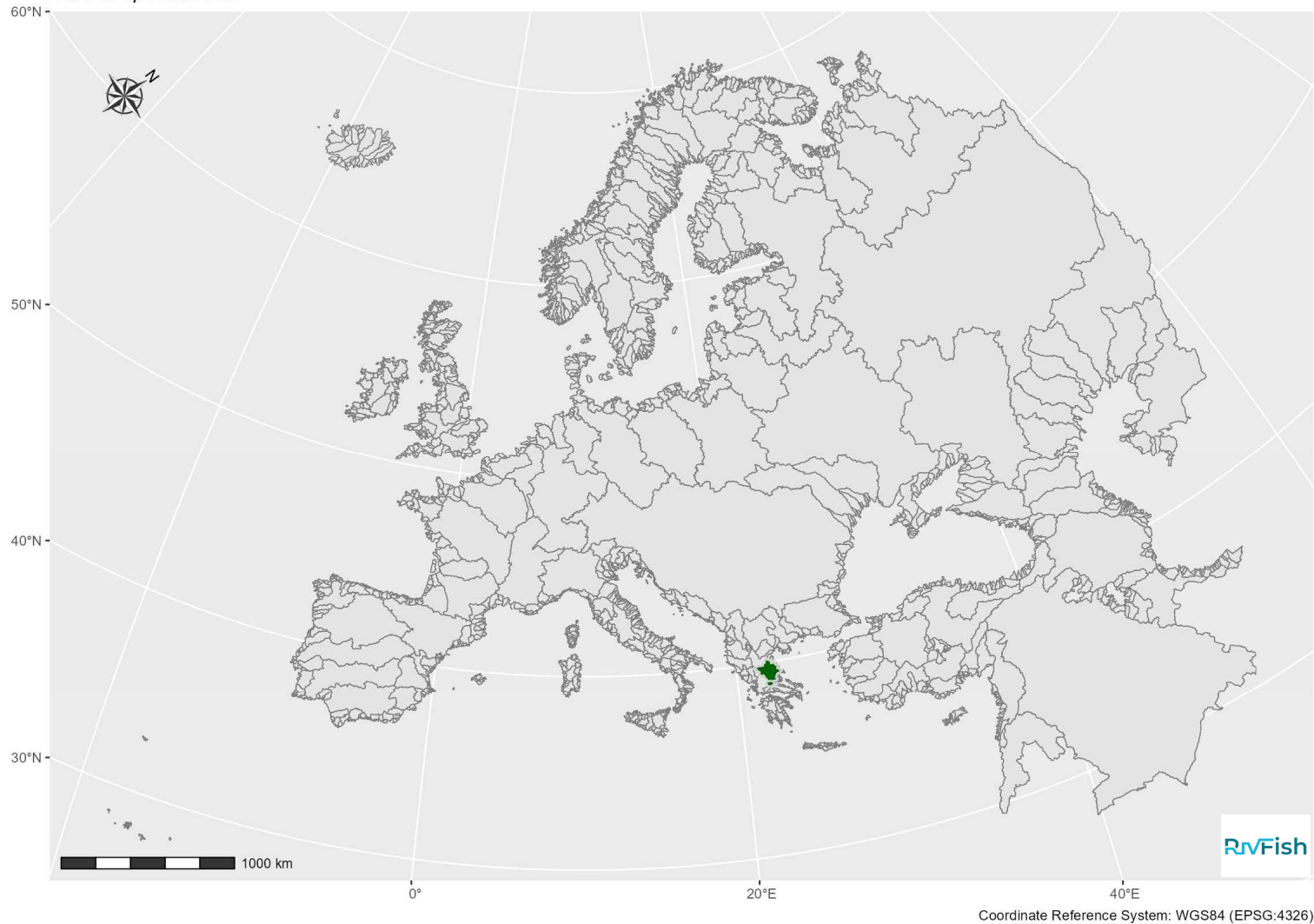
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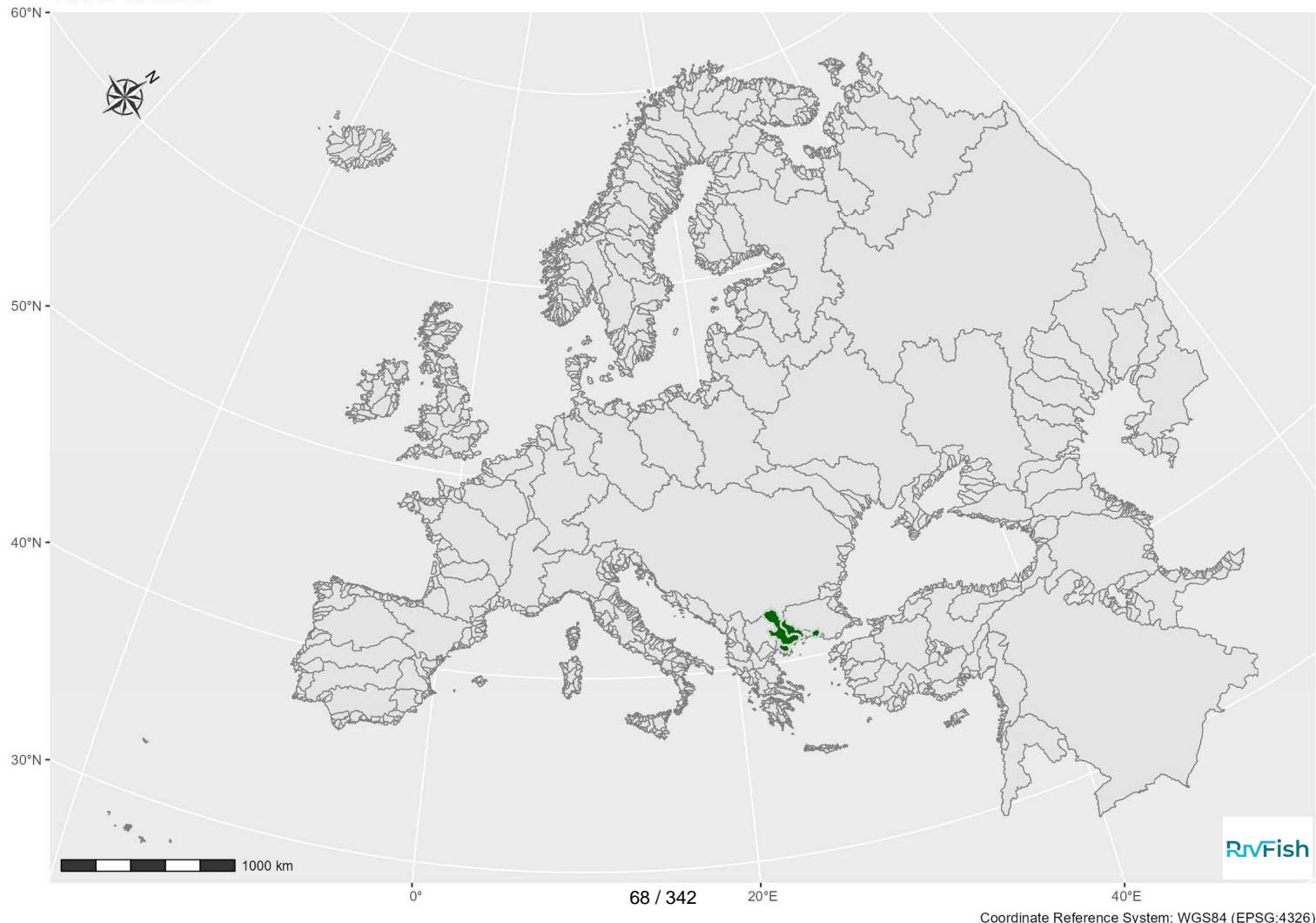
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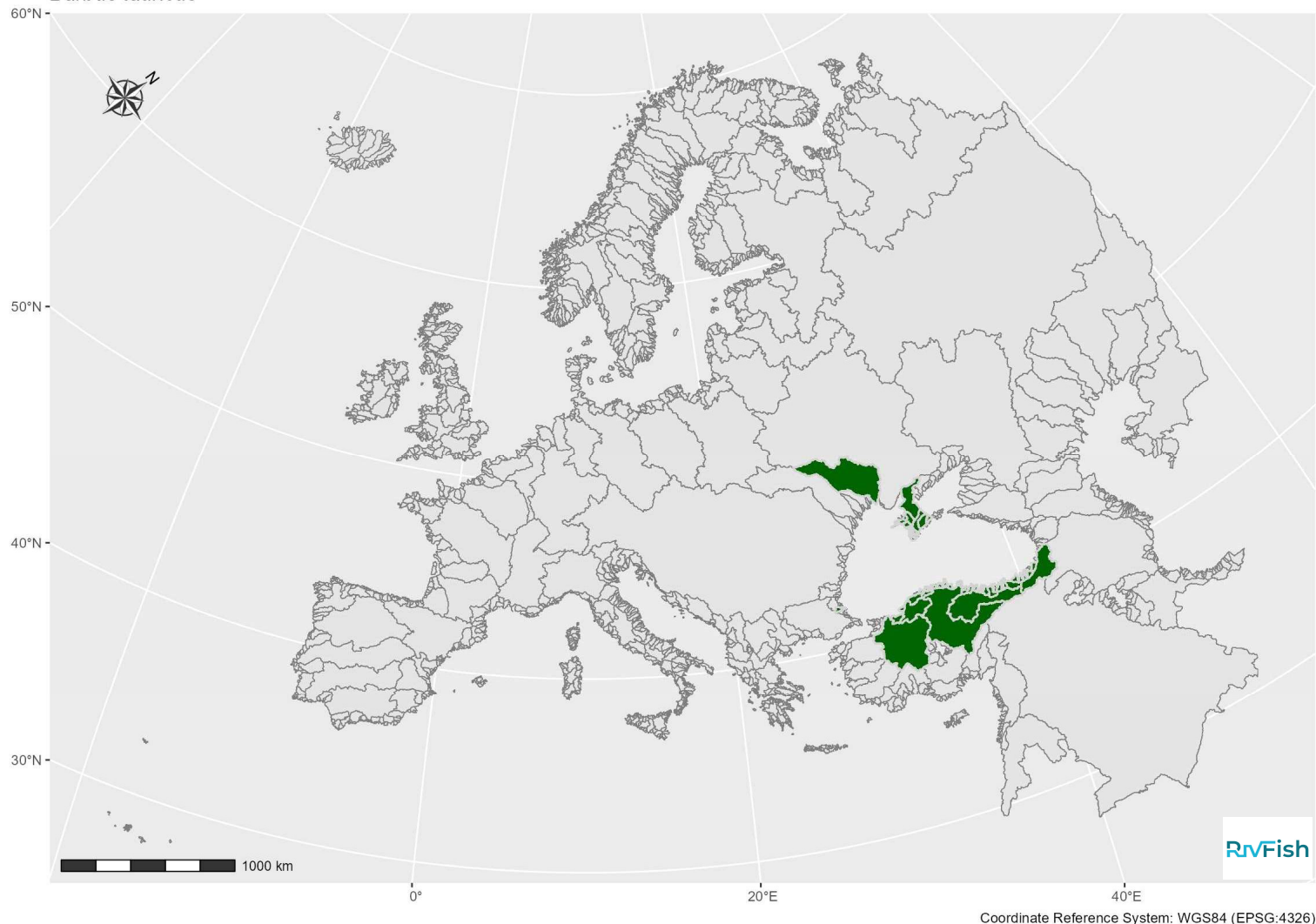
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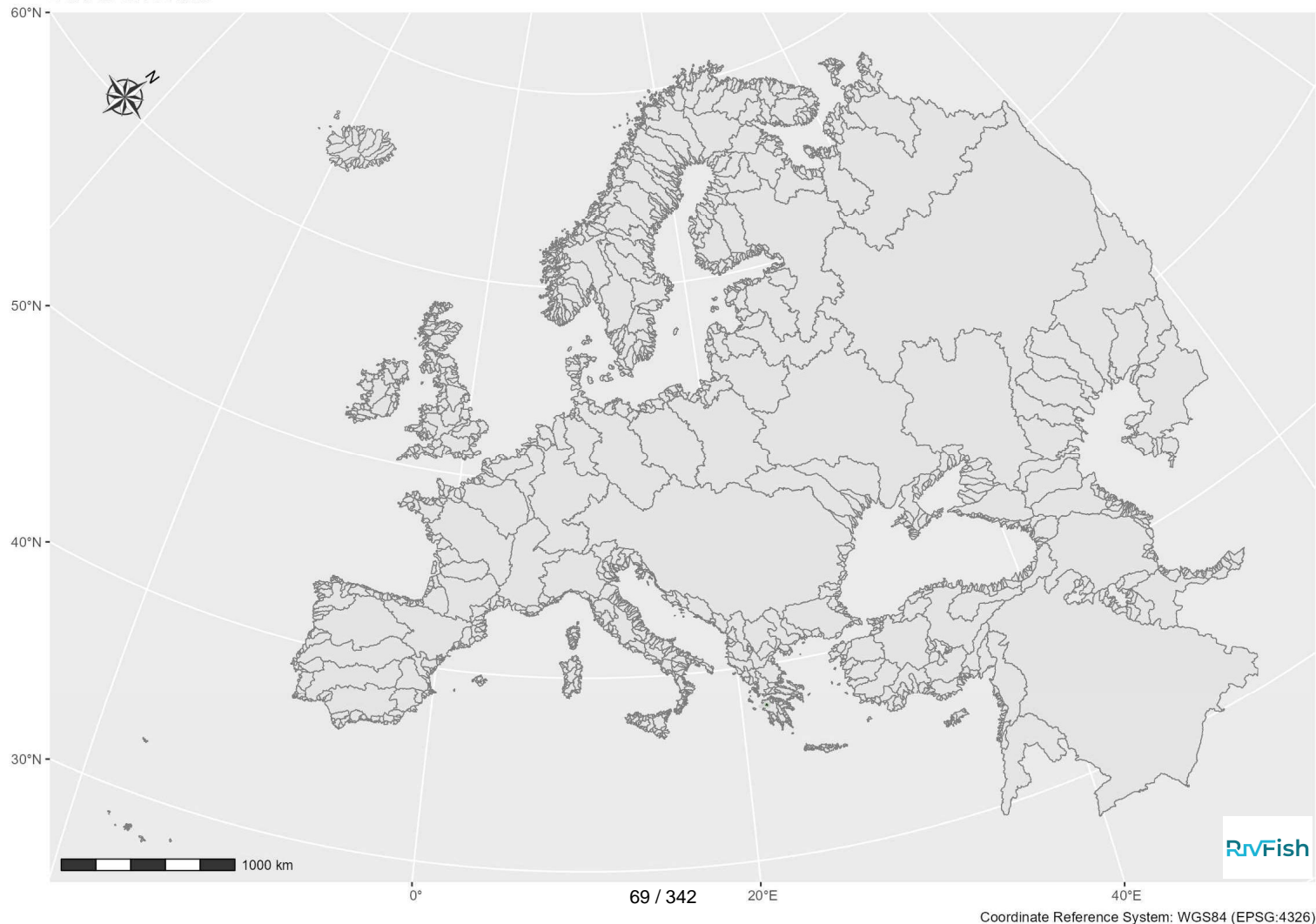
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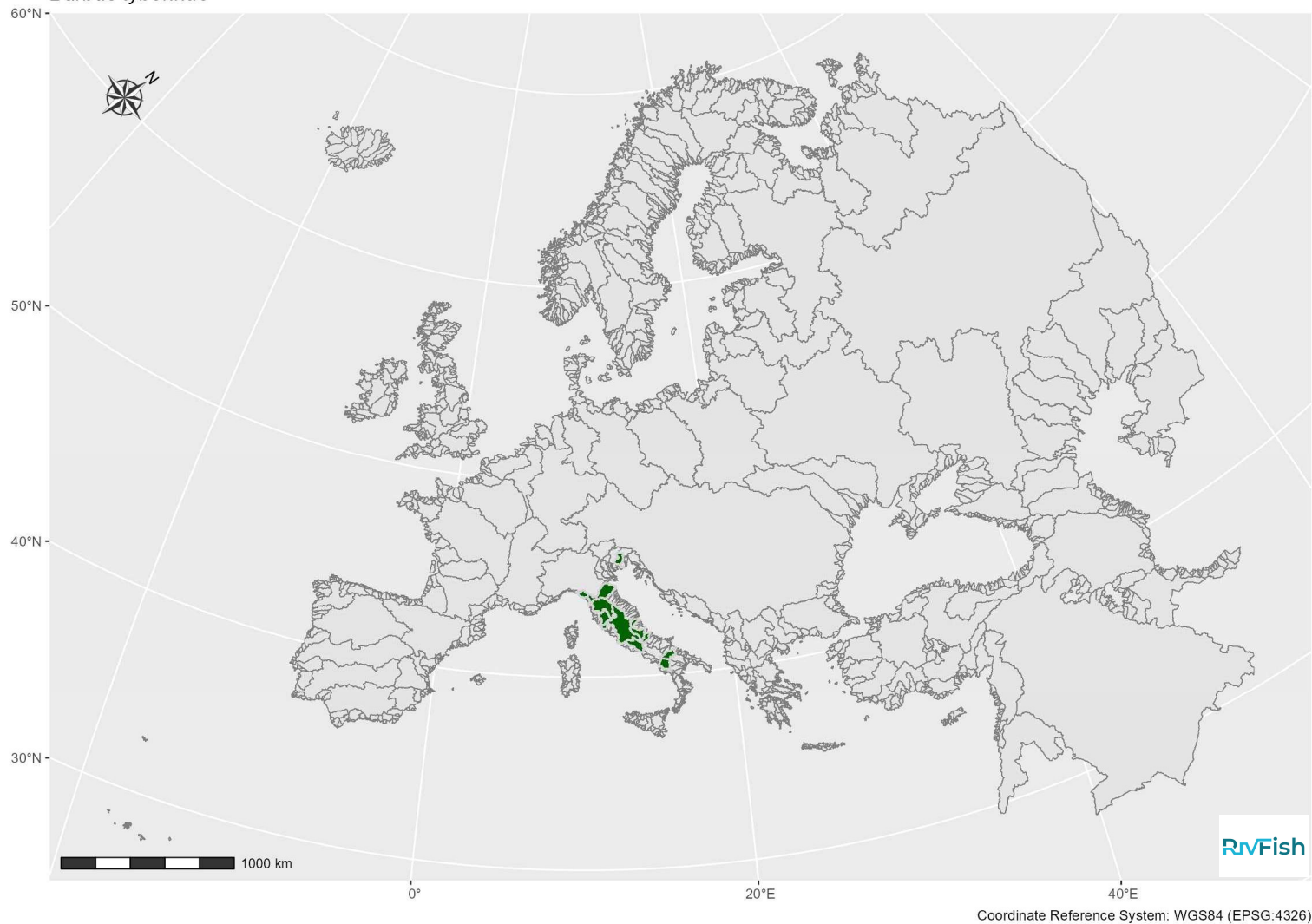
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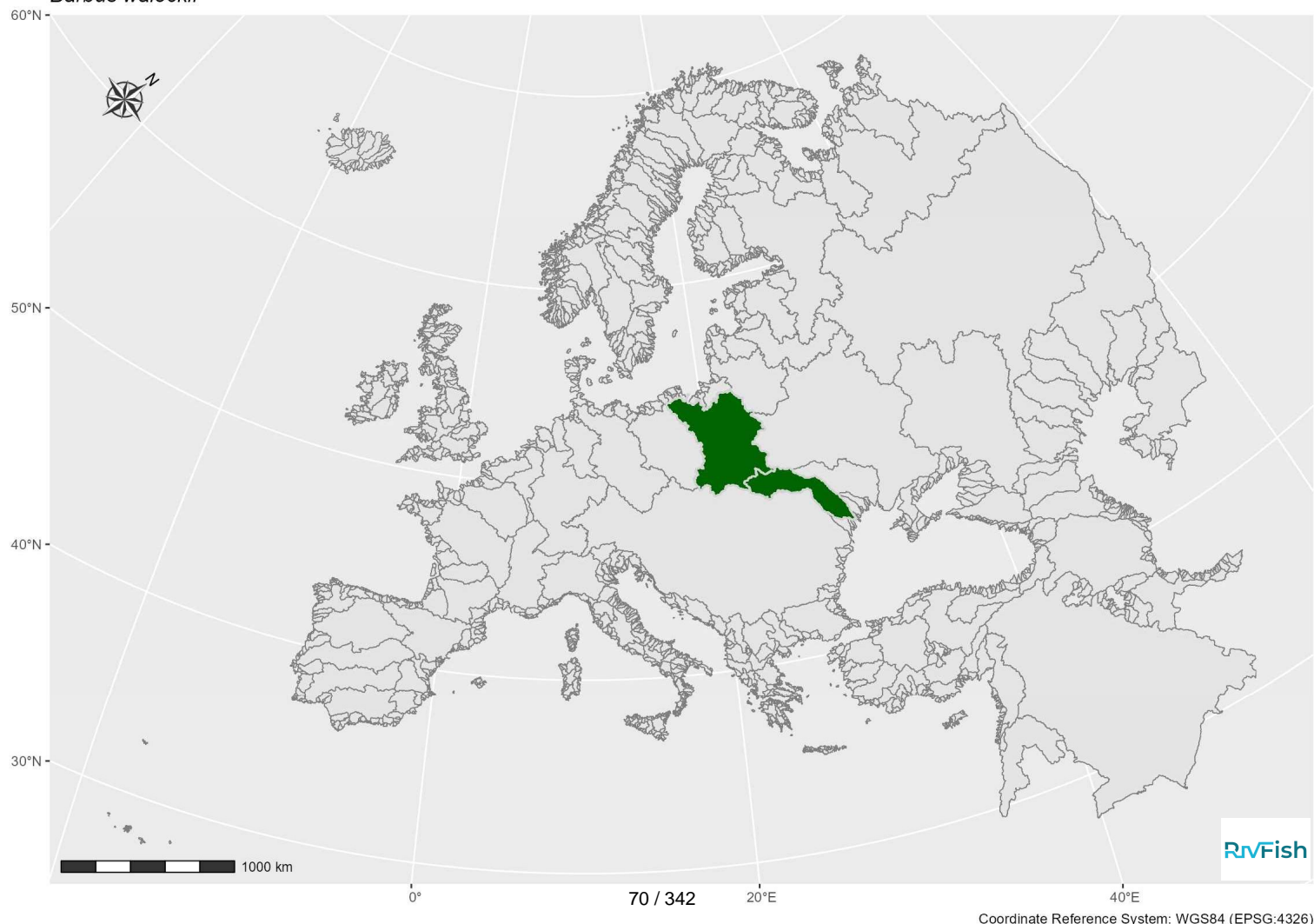
Barbus thessalus



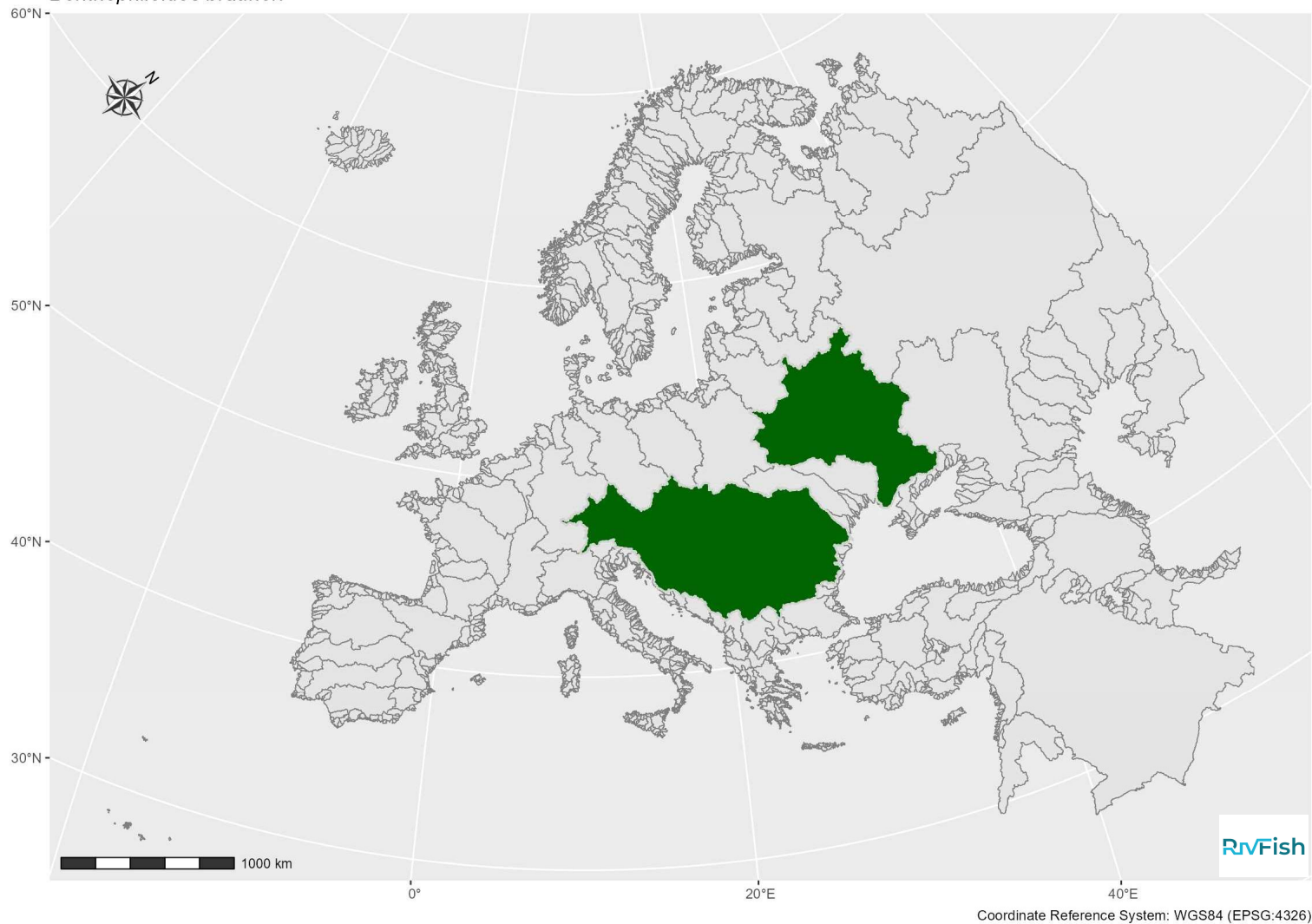
Barbus tyberinus



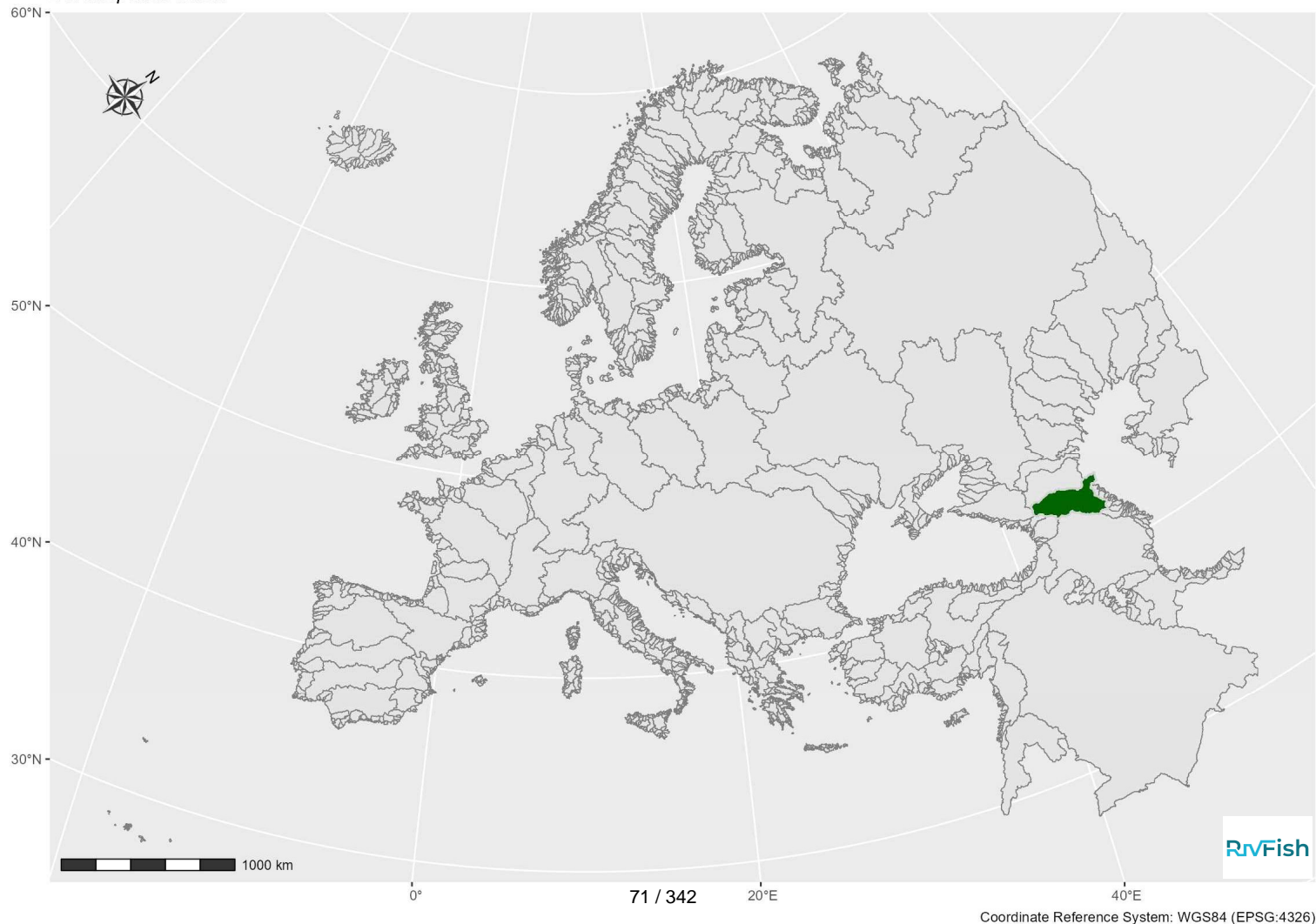
Barbus waleckii



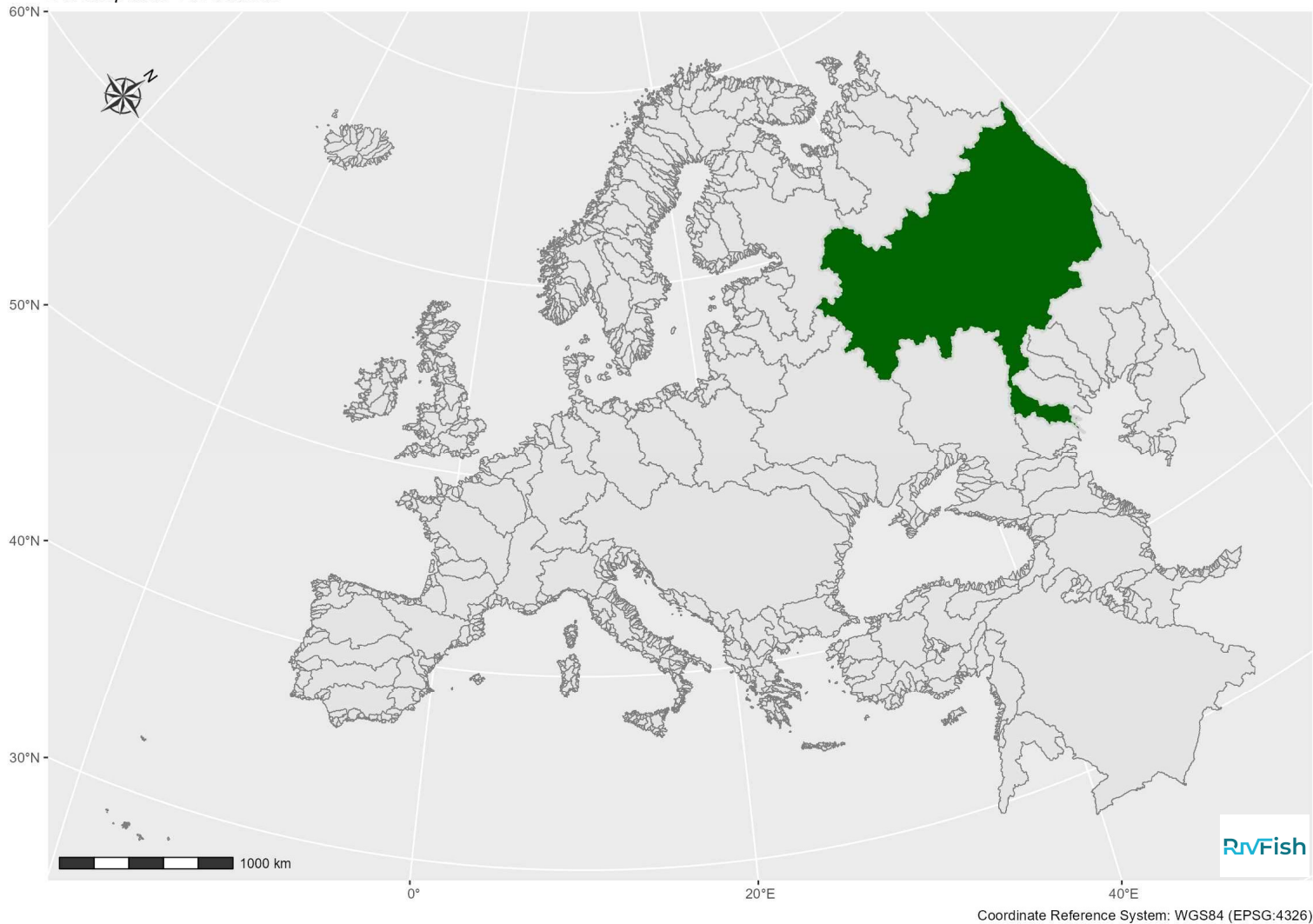
Benthophiloides braueri



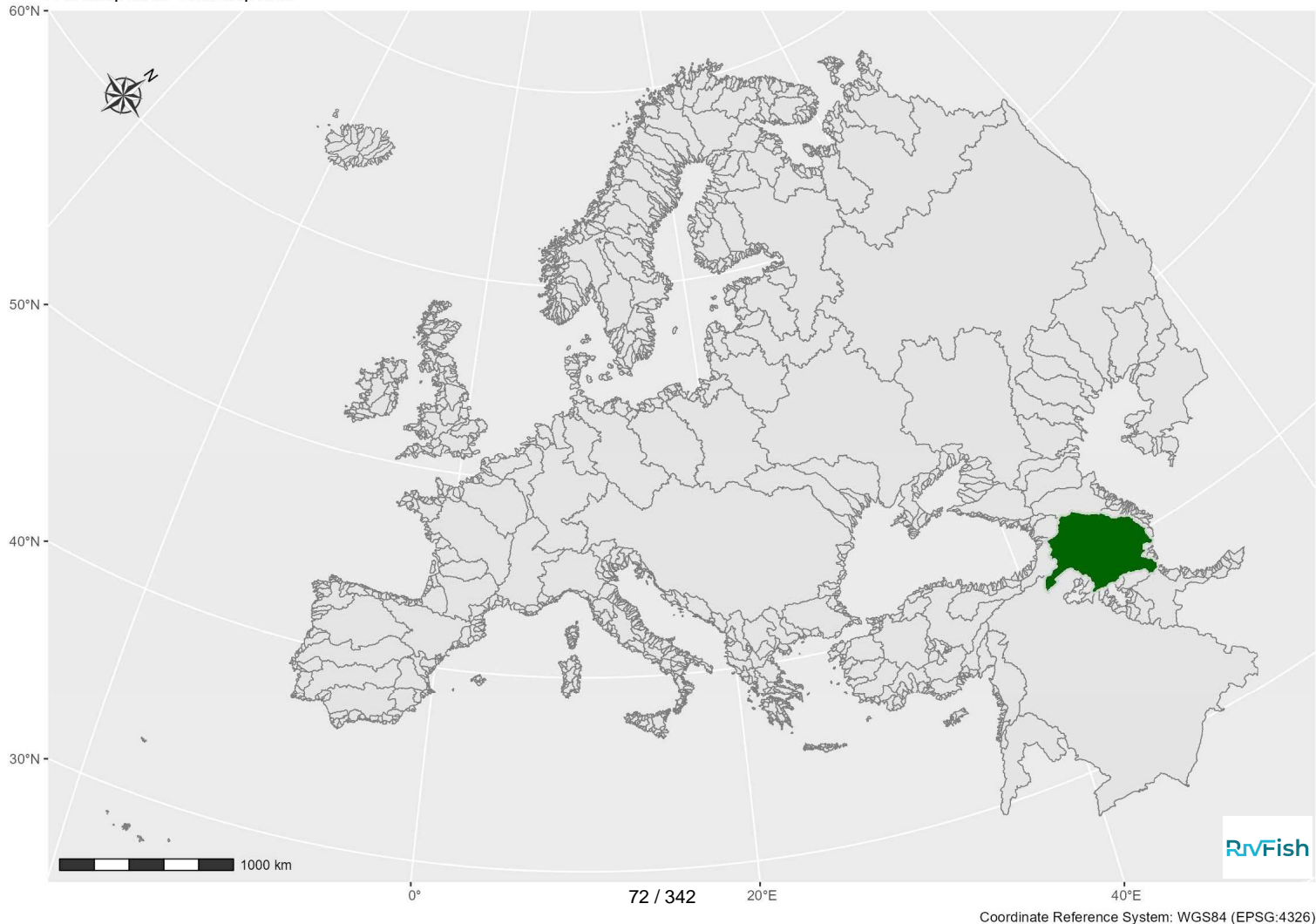
Benthophilus baeri



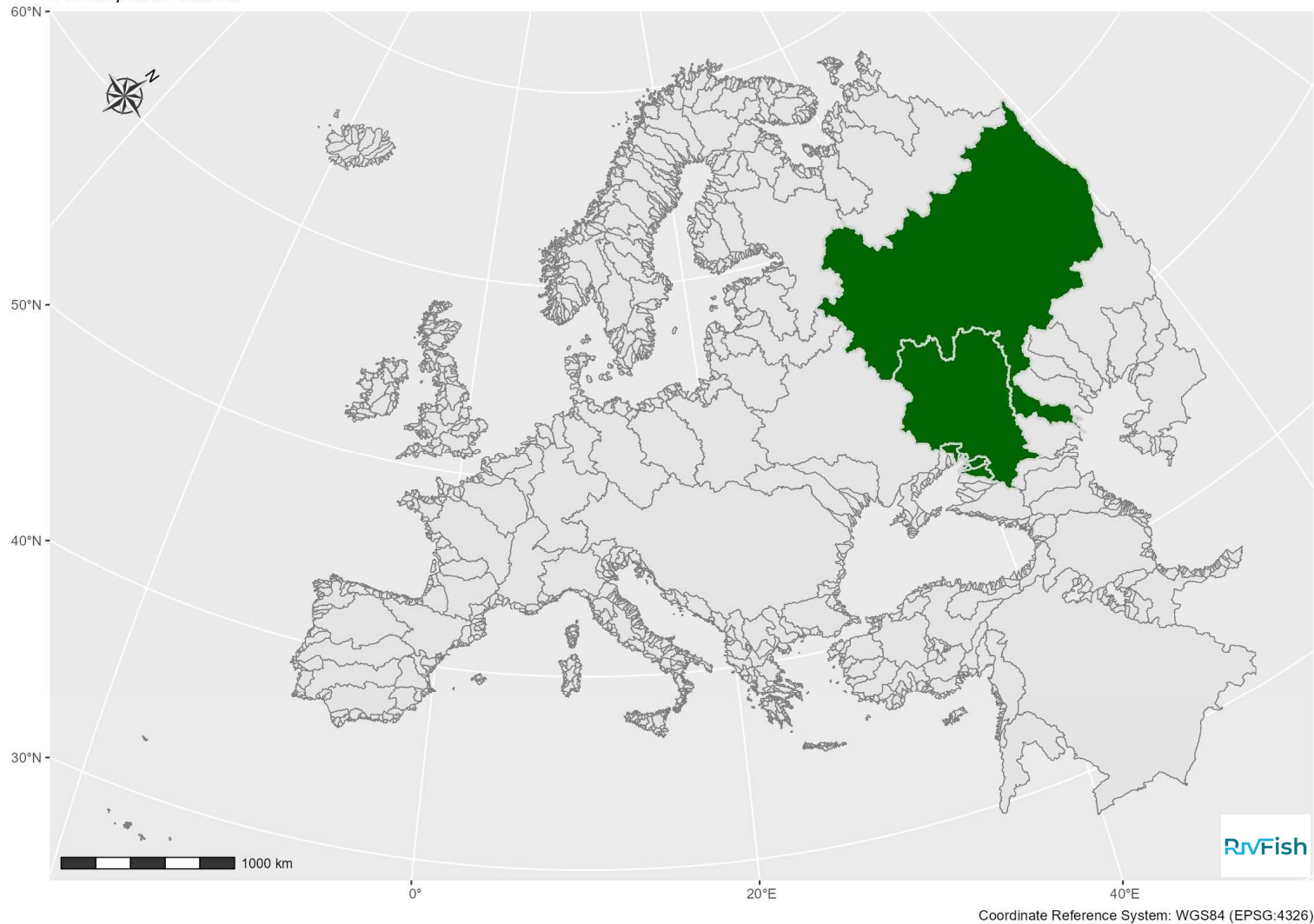
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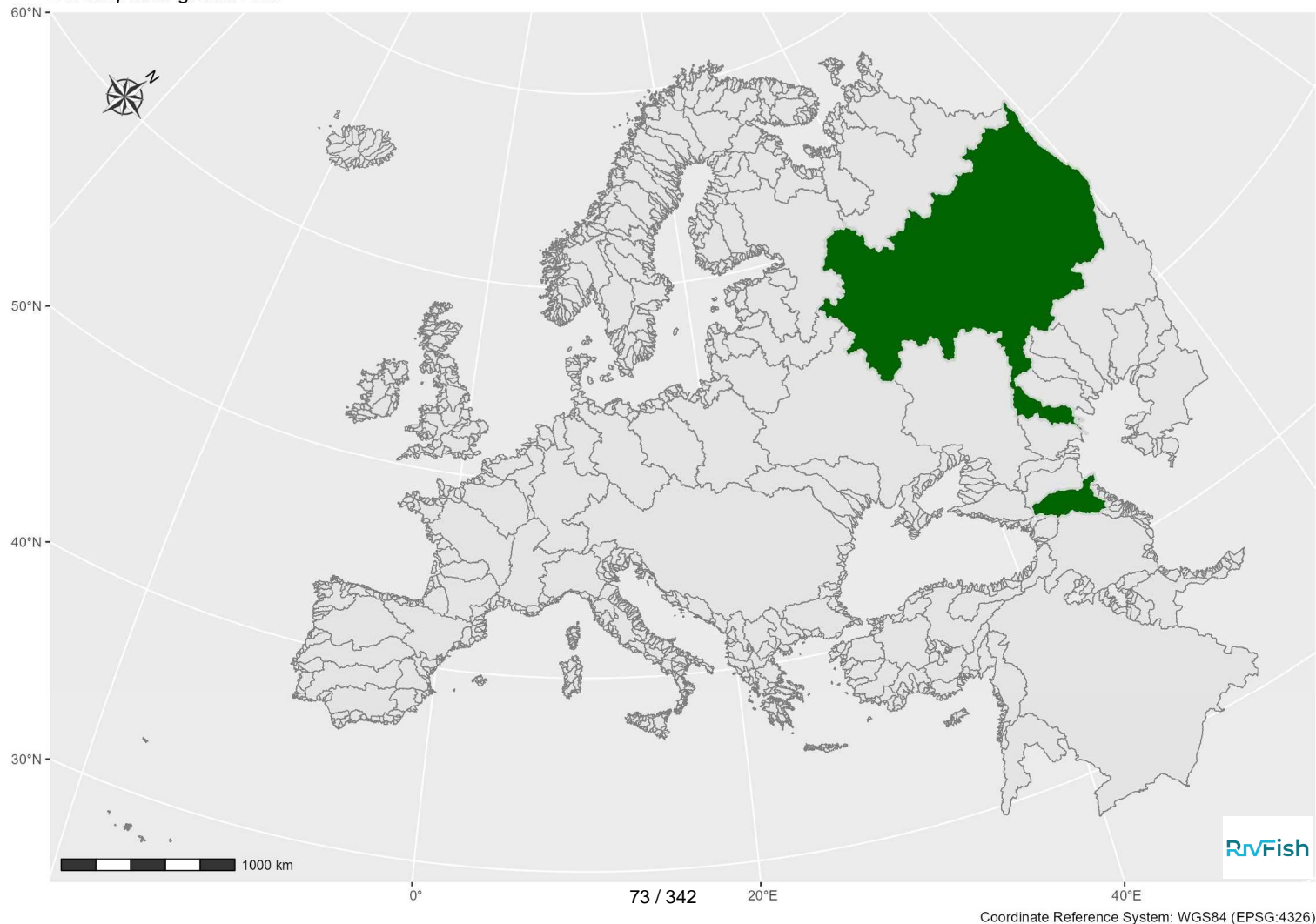
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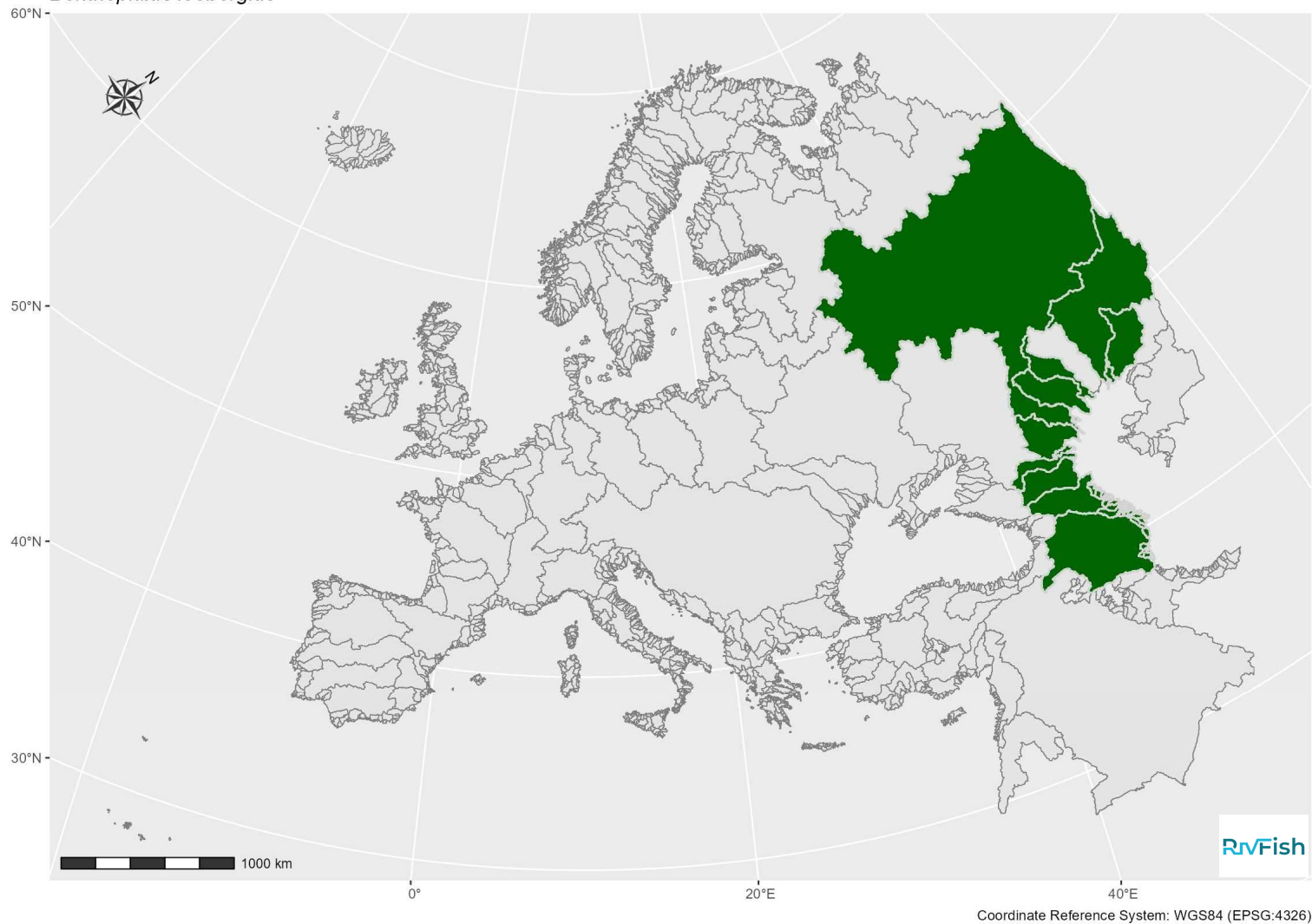
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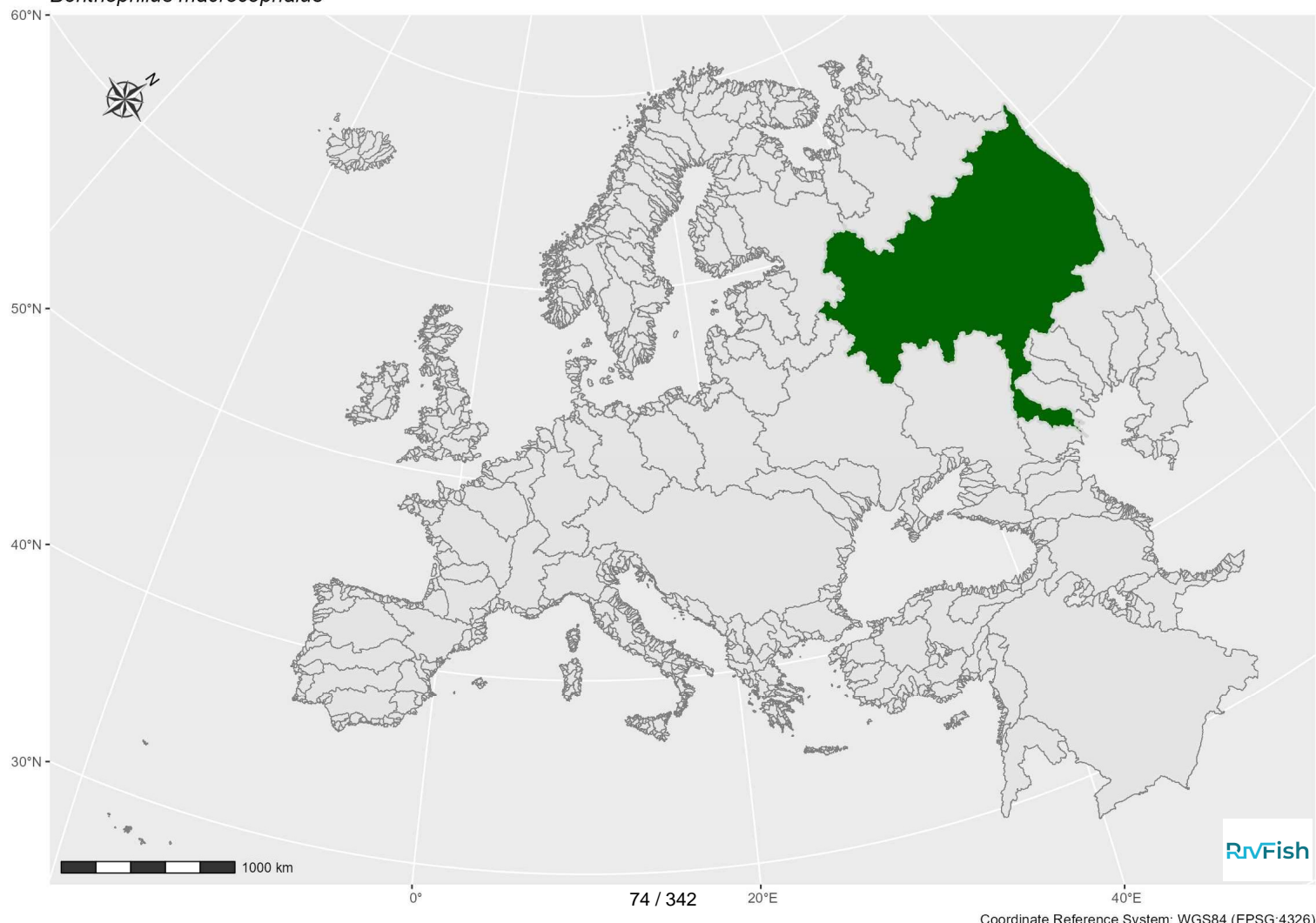
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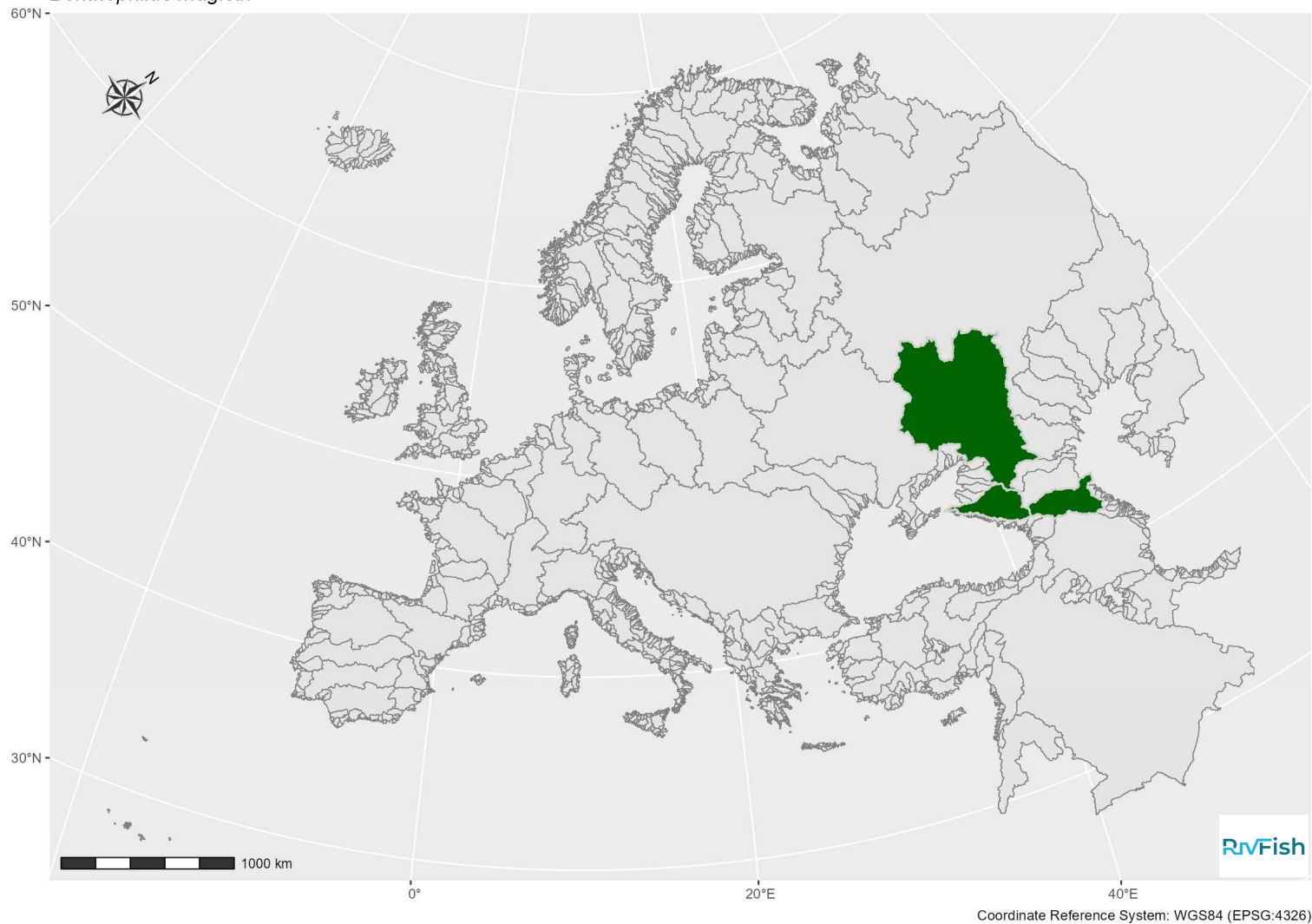
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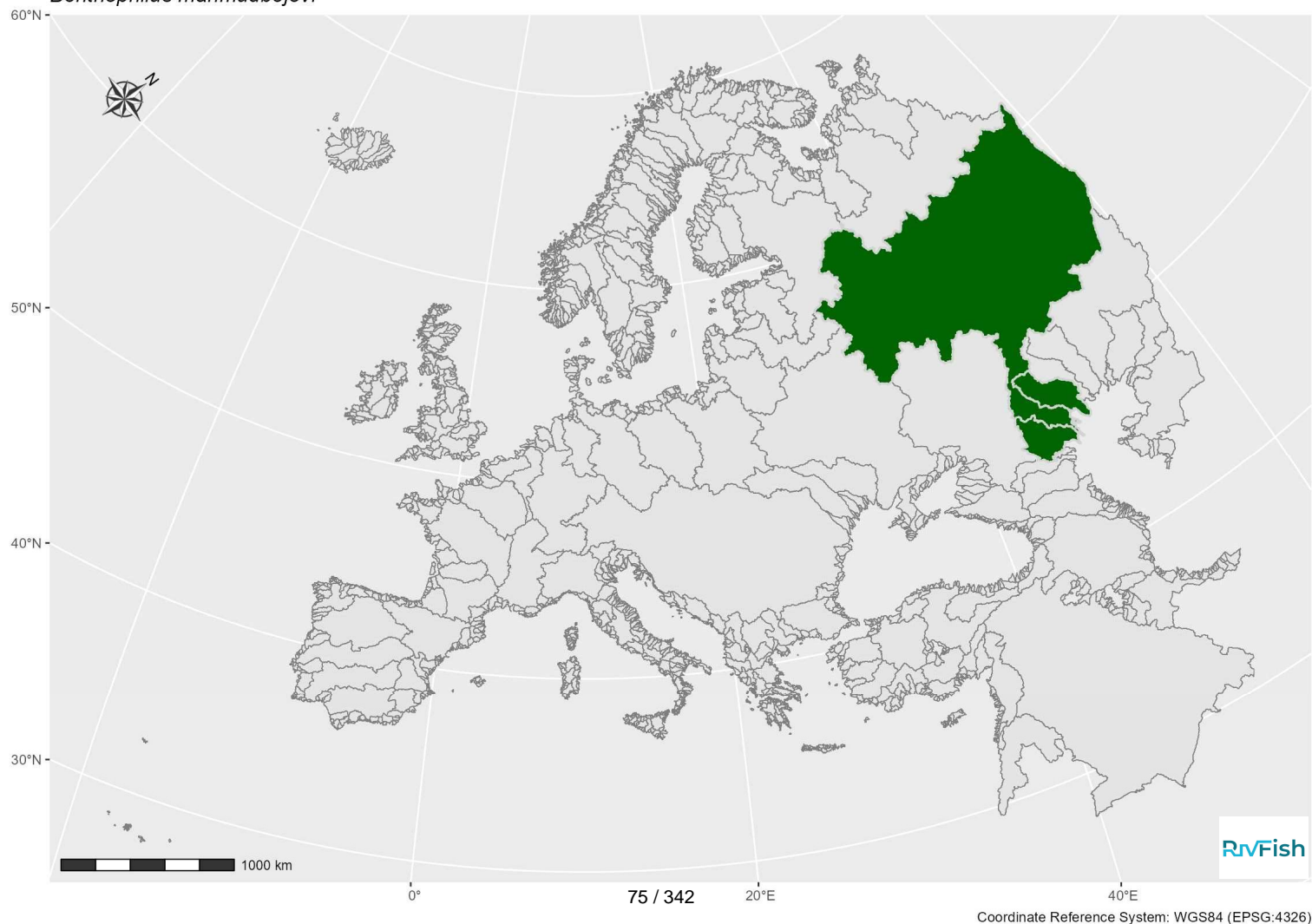
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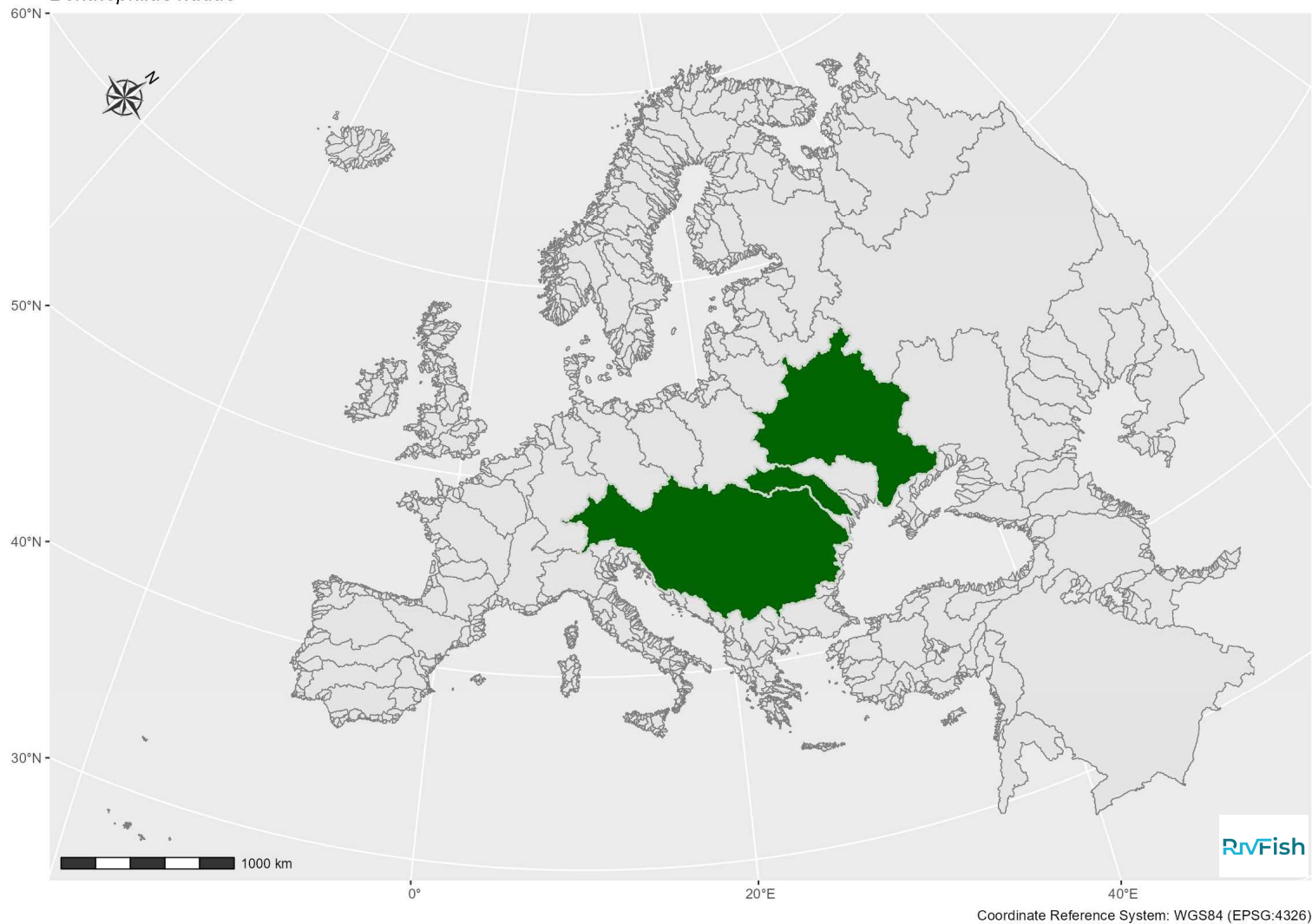
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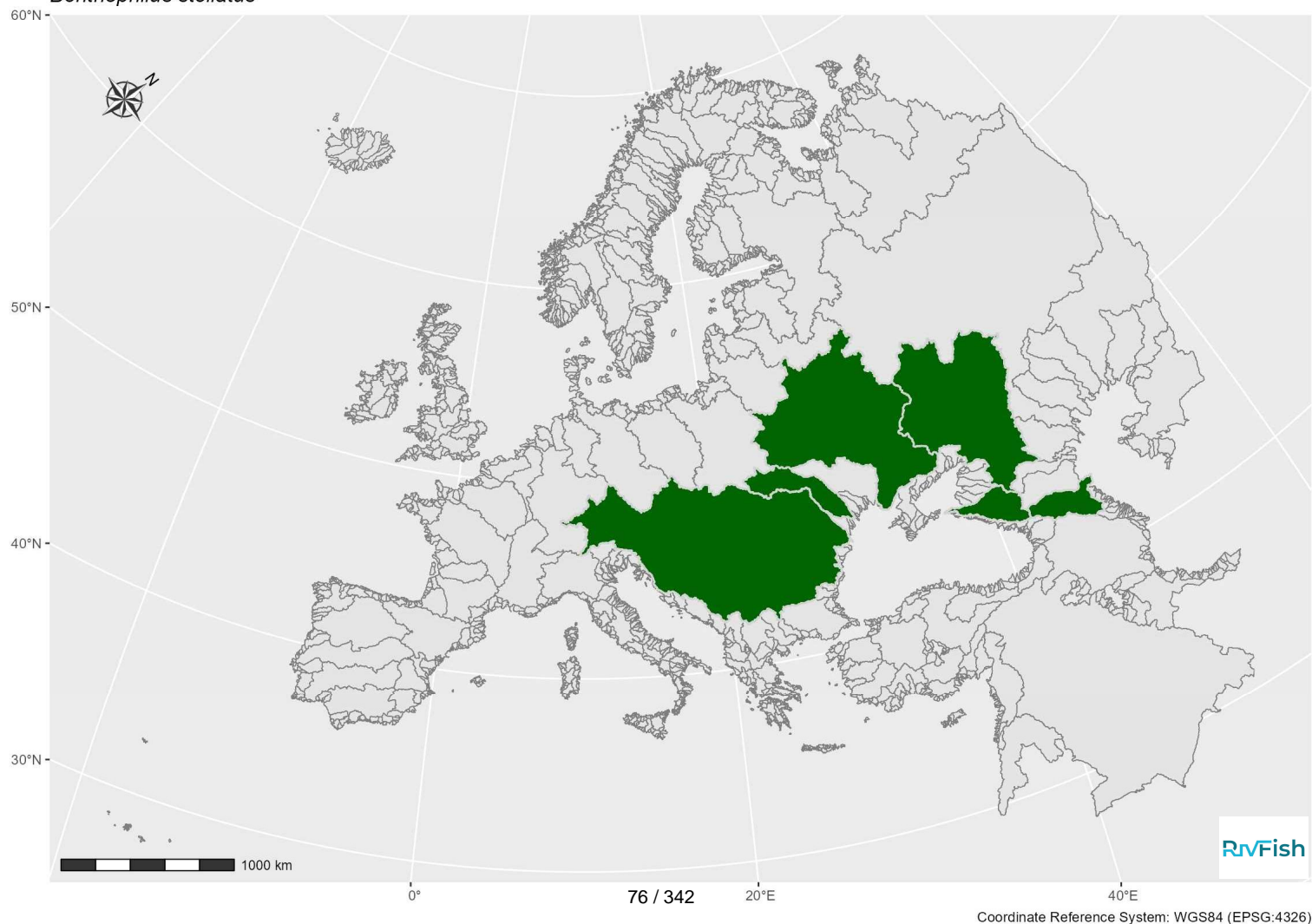
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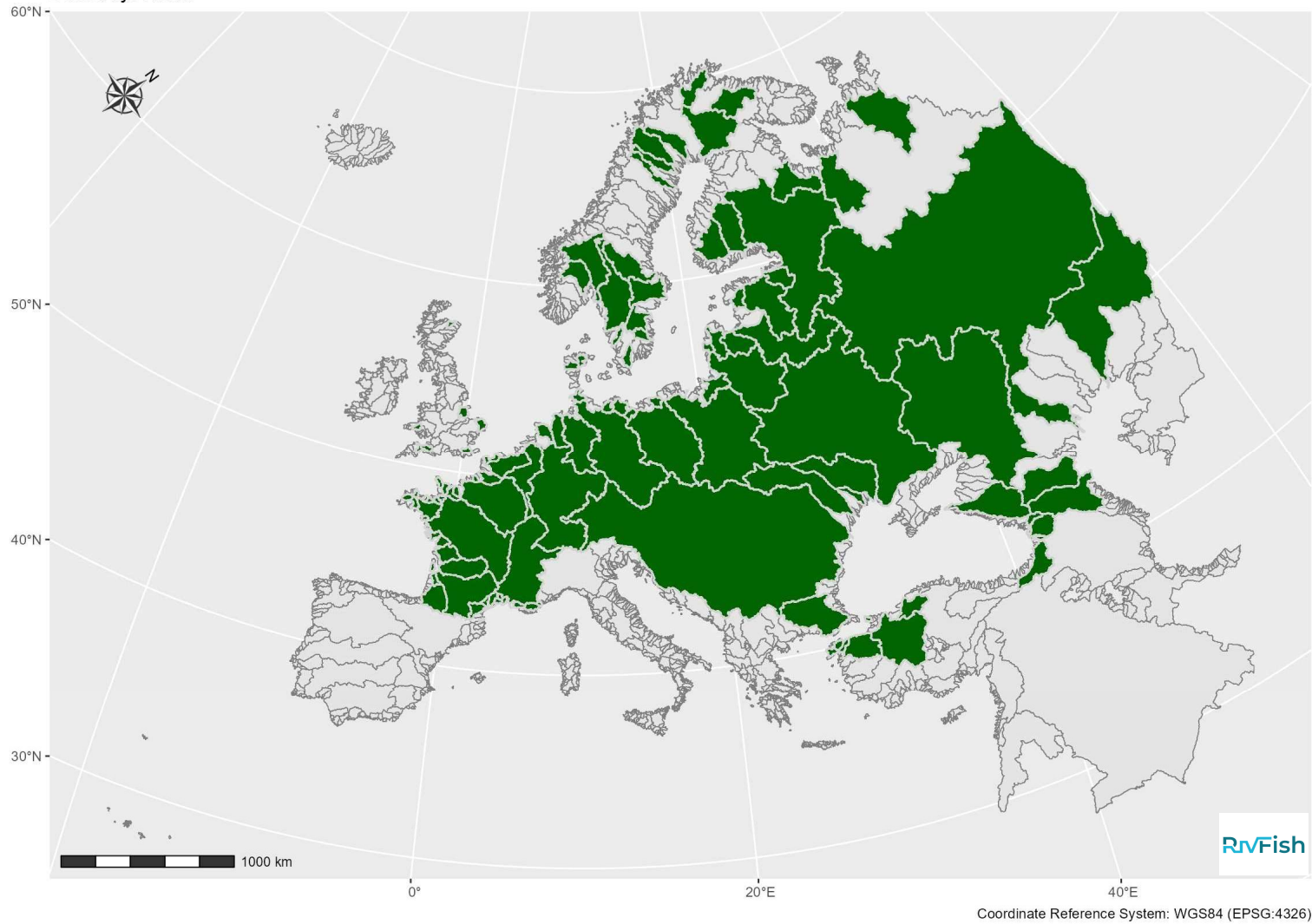
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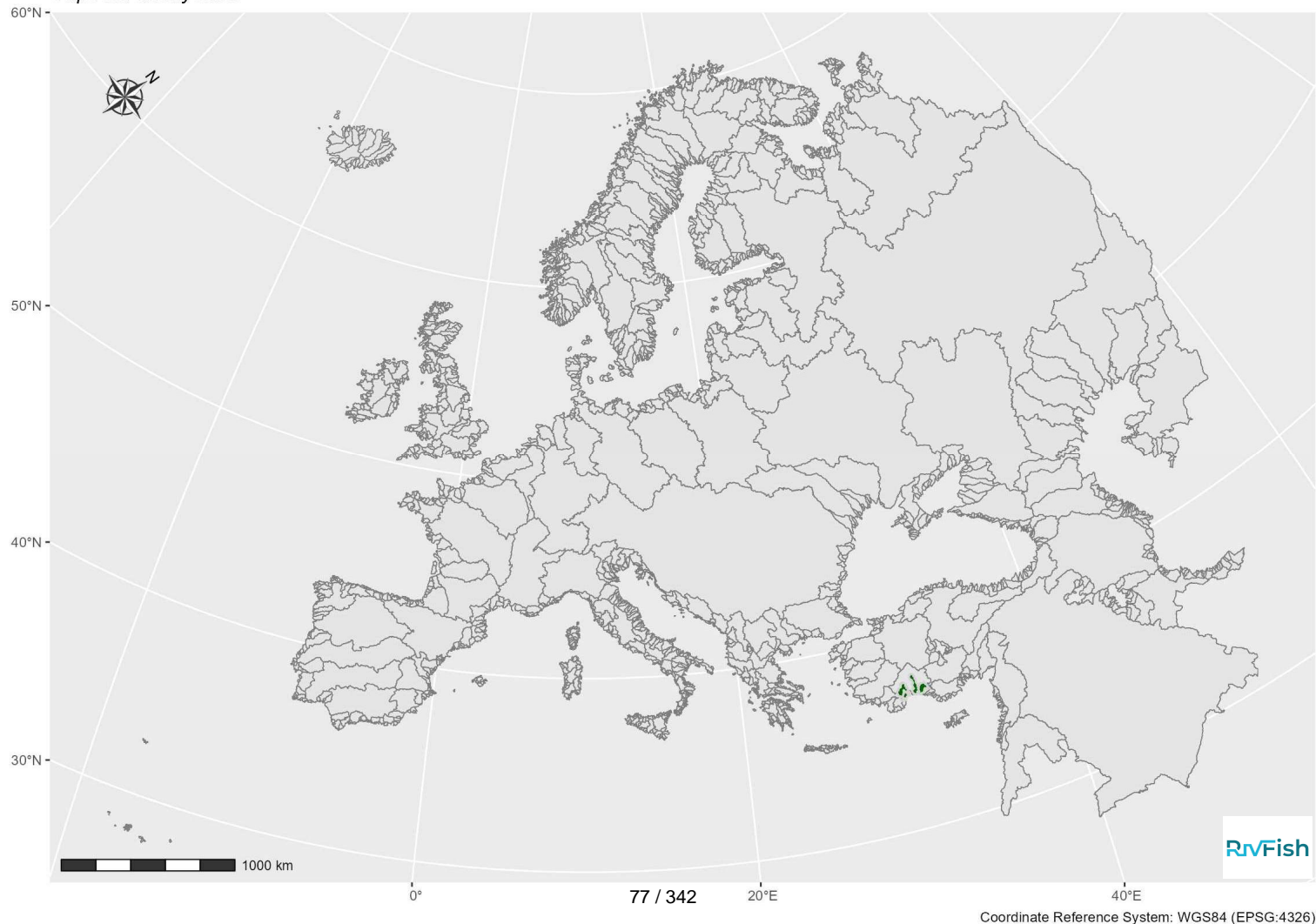
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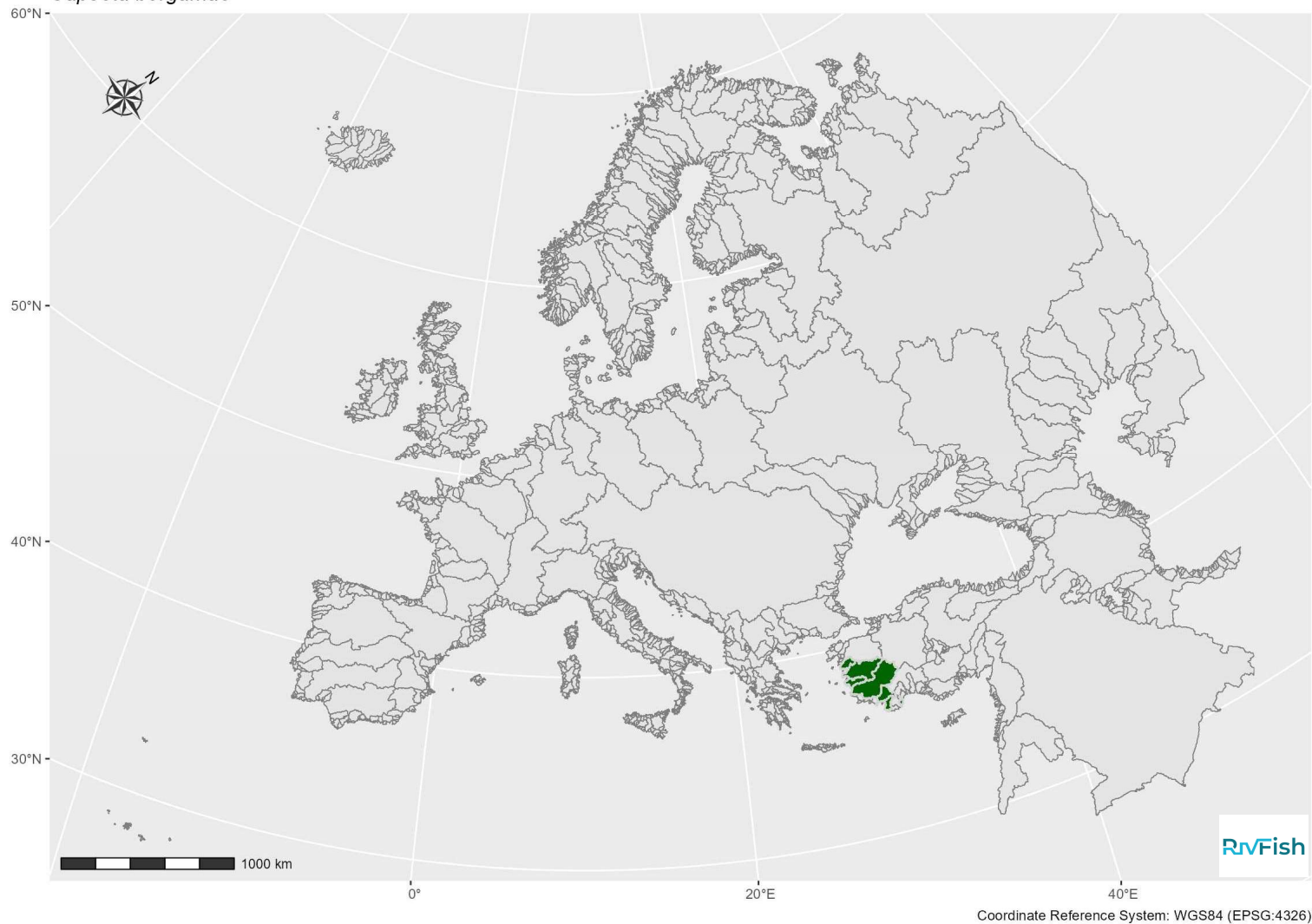
Blicca bjoerkna



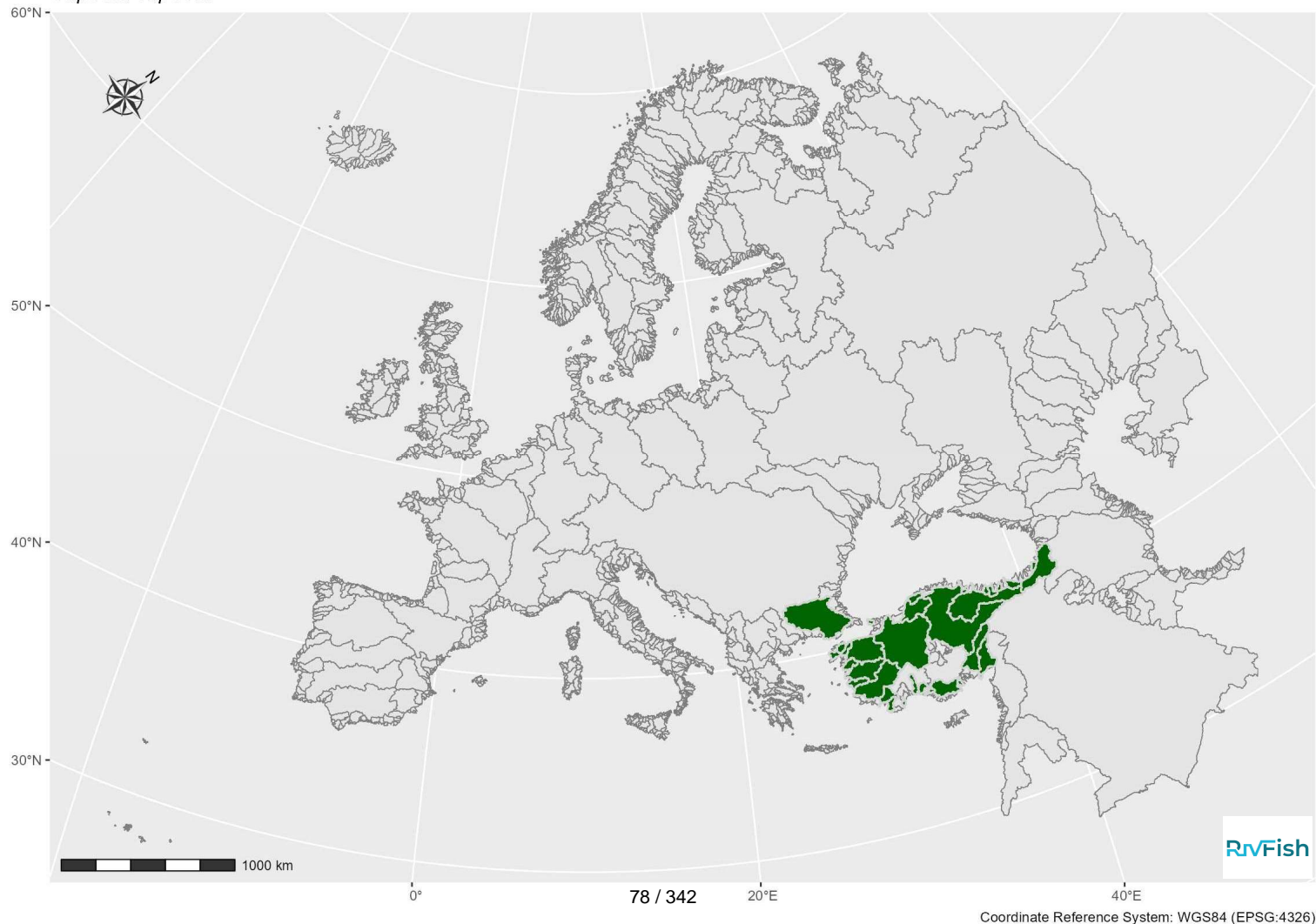
Capoeta antalyensis



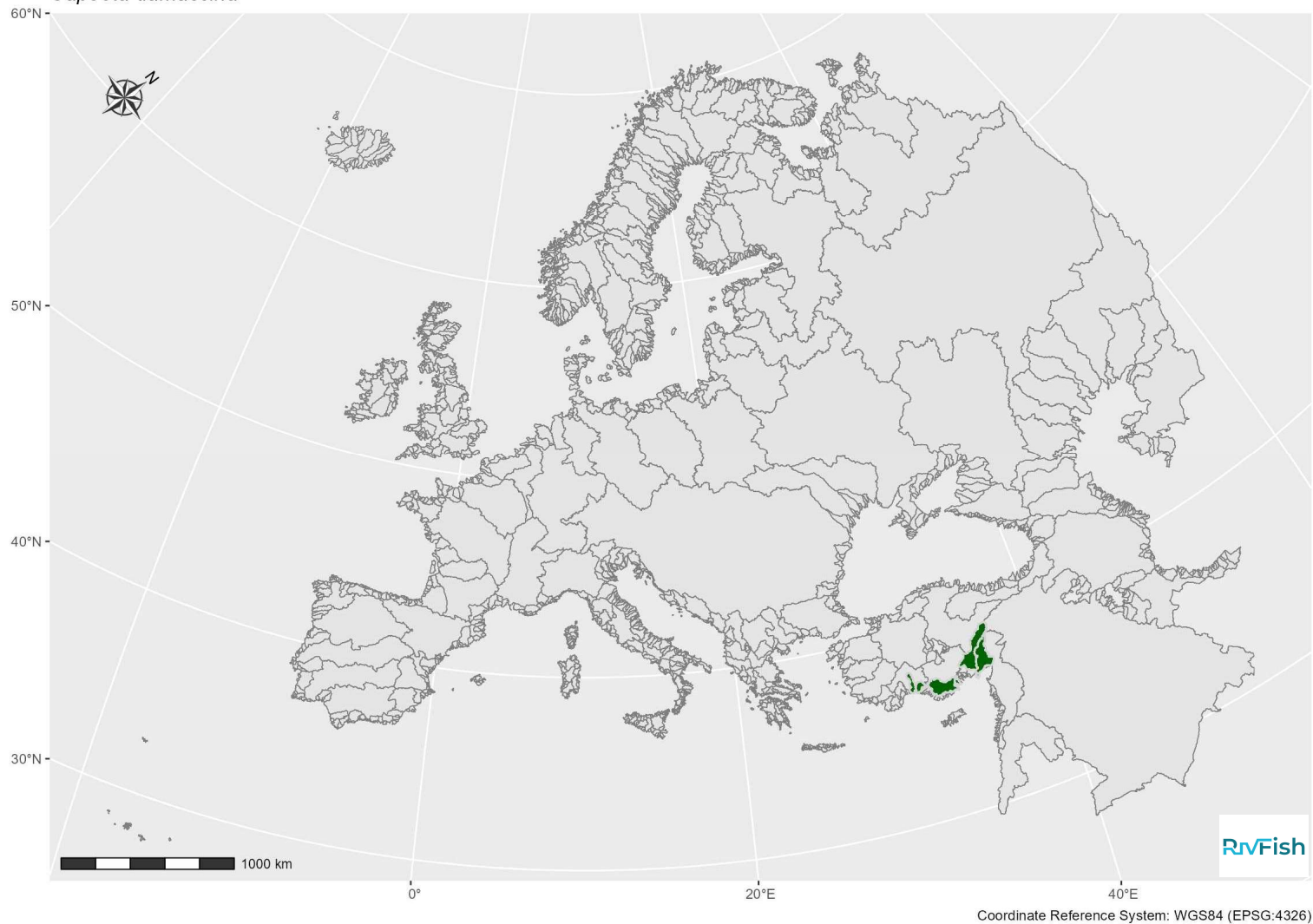
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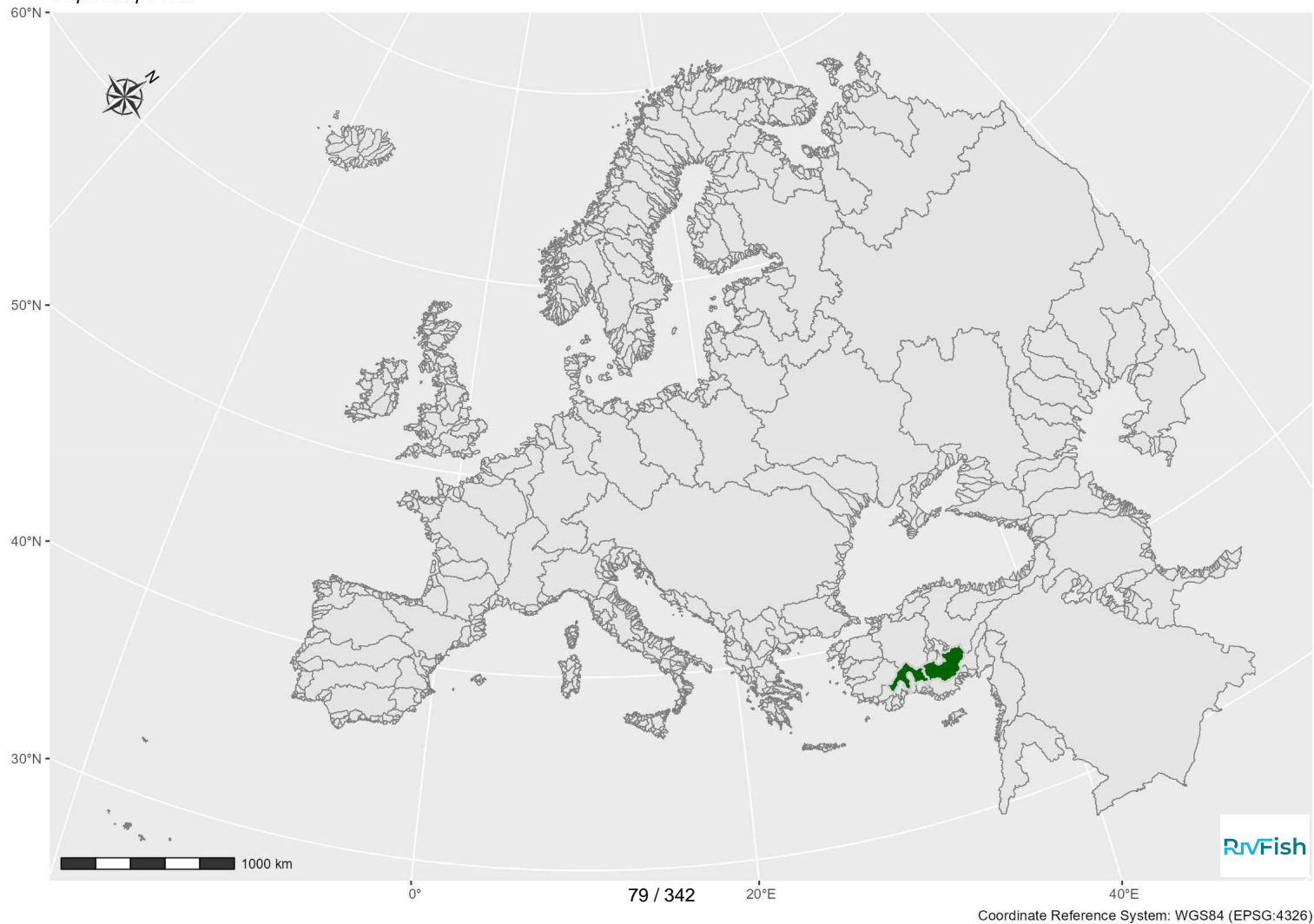
Capoeta capoeta



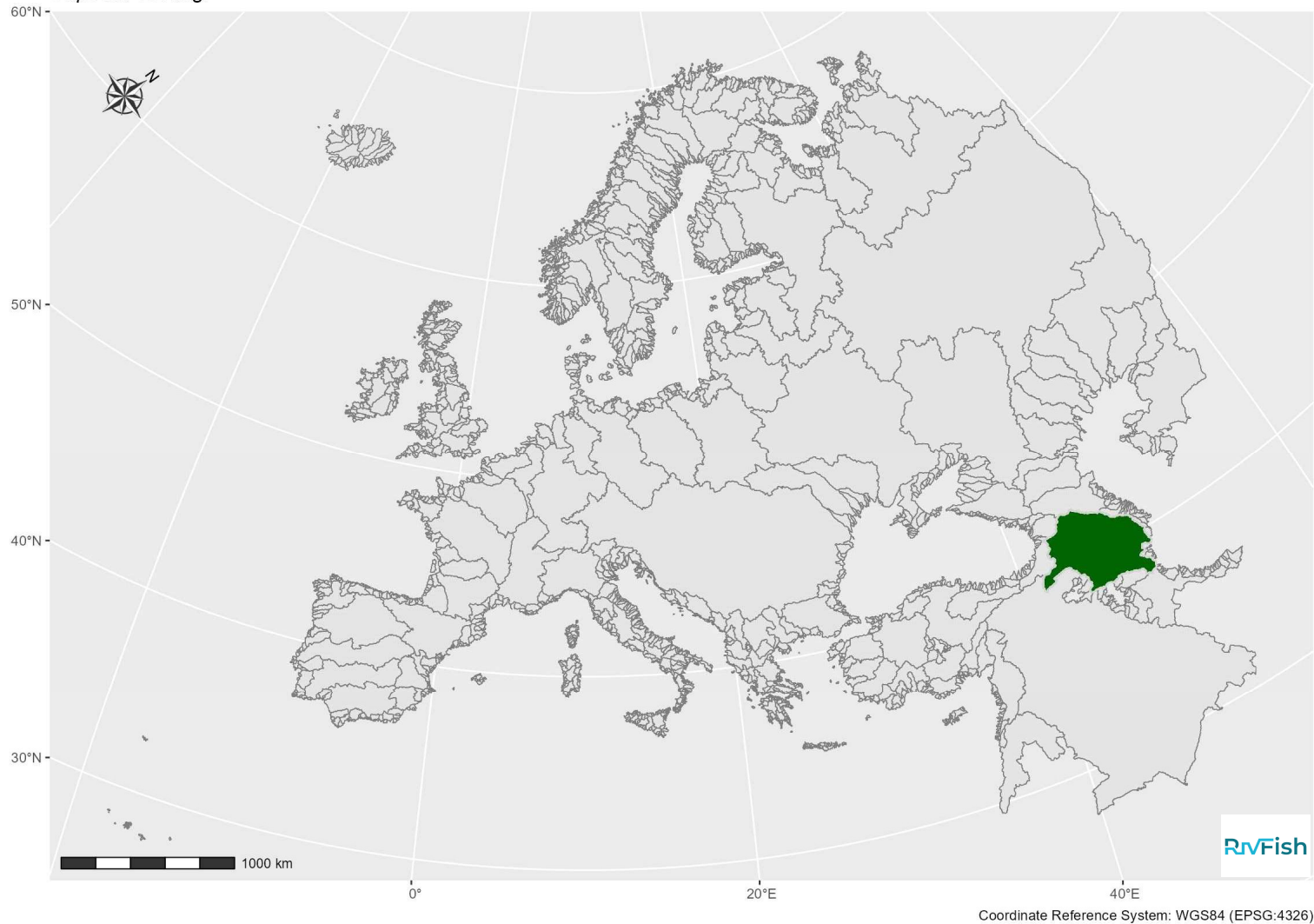
Capoeta damascina



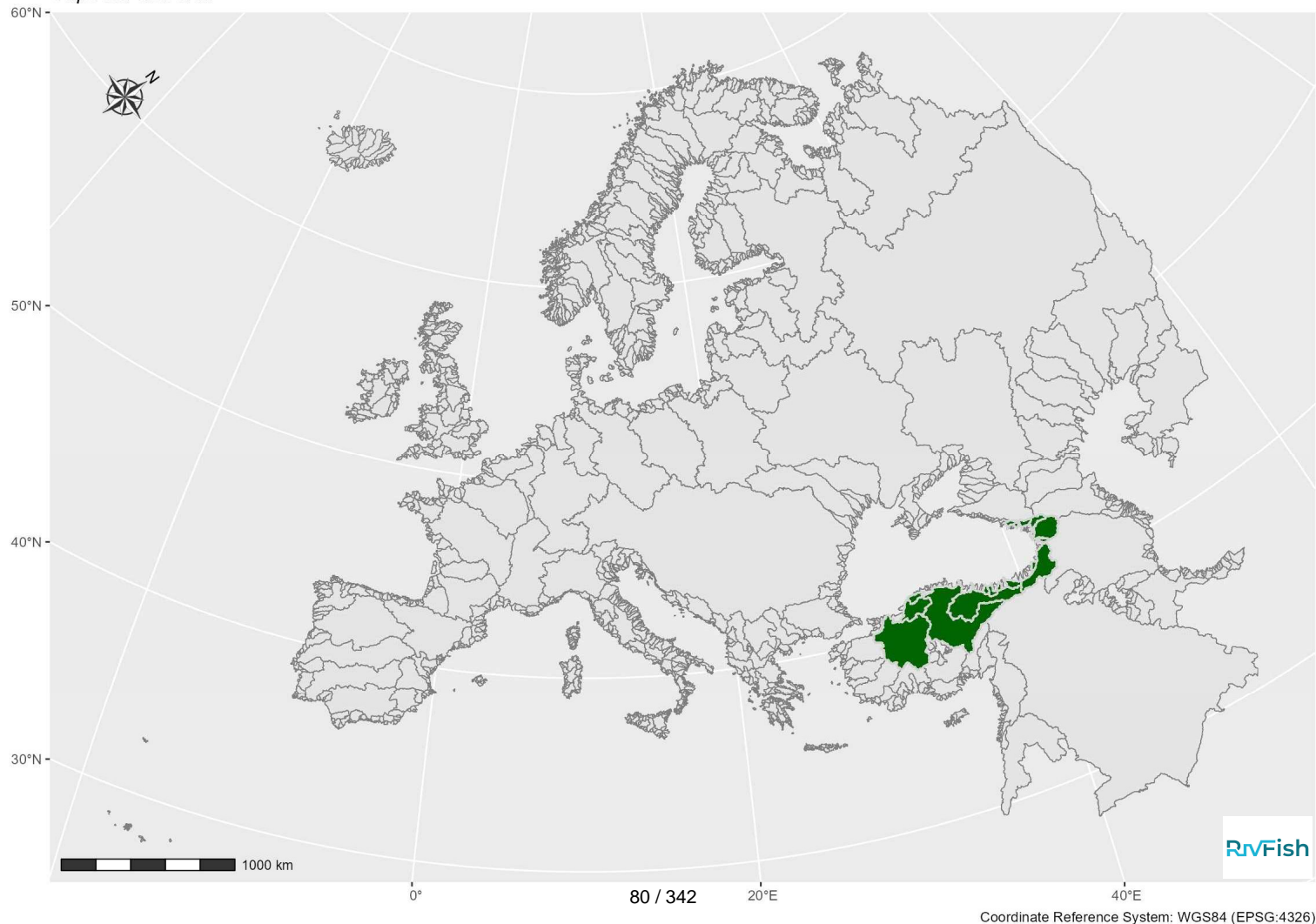
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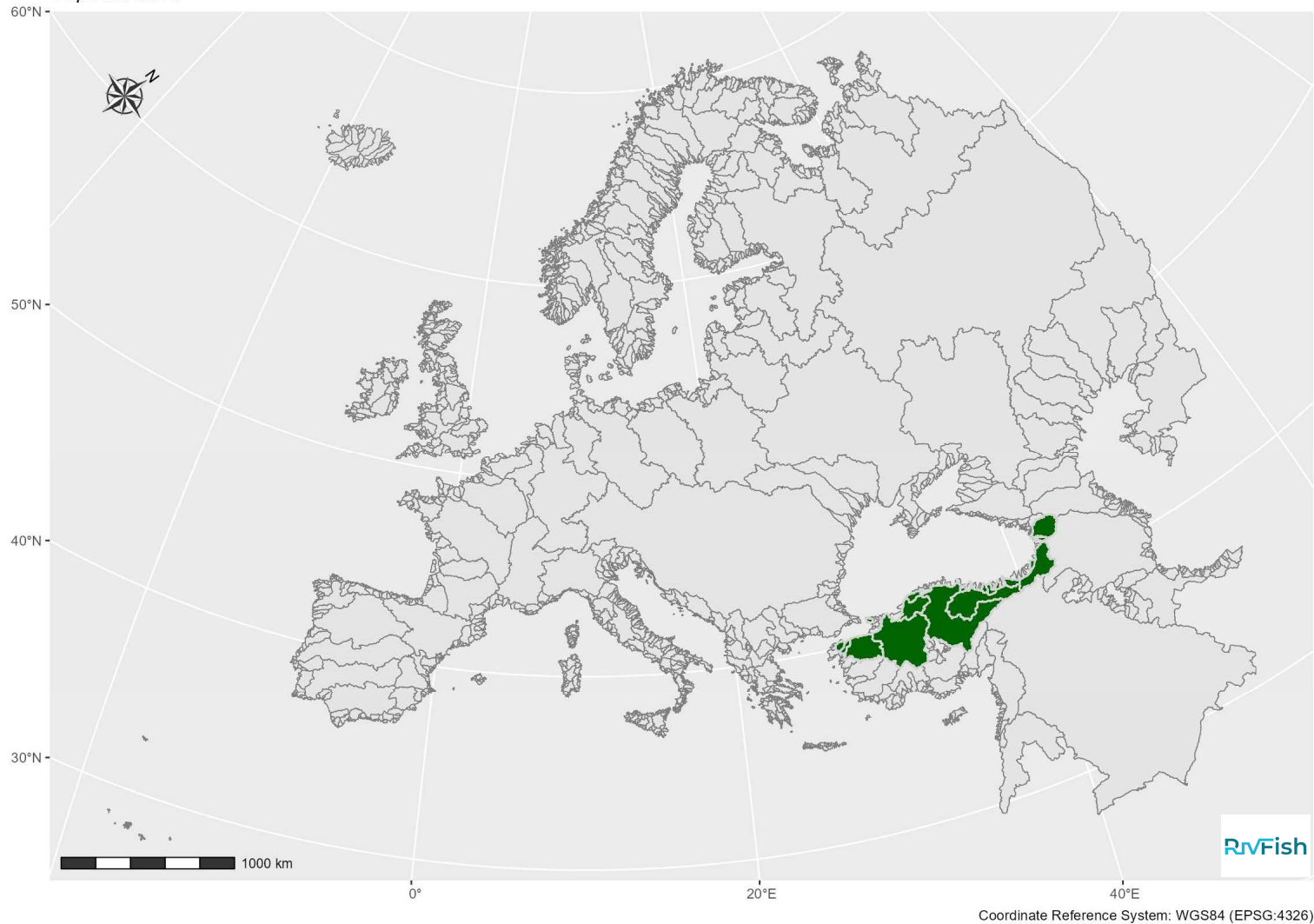
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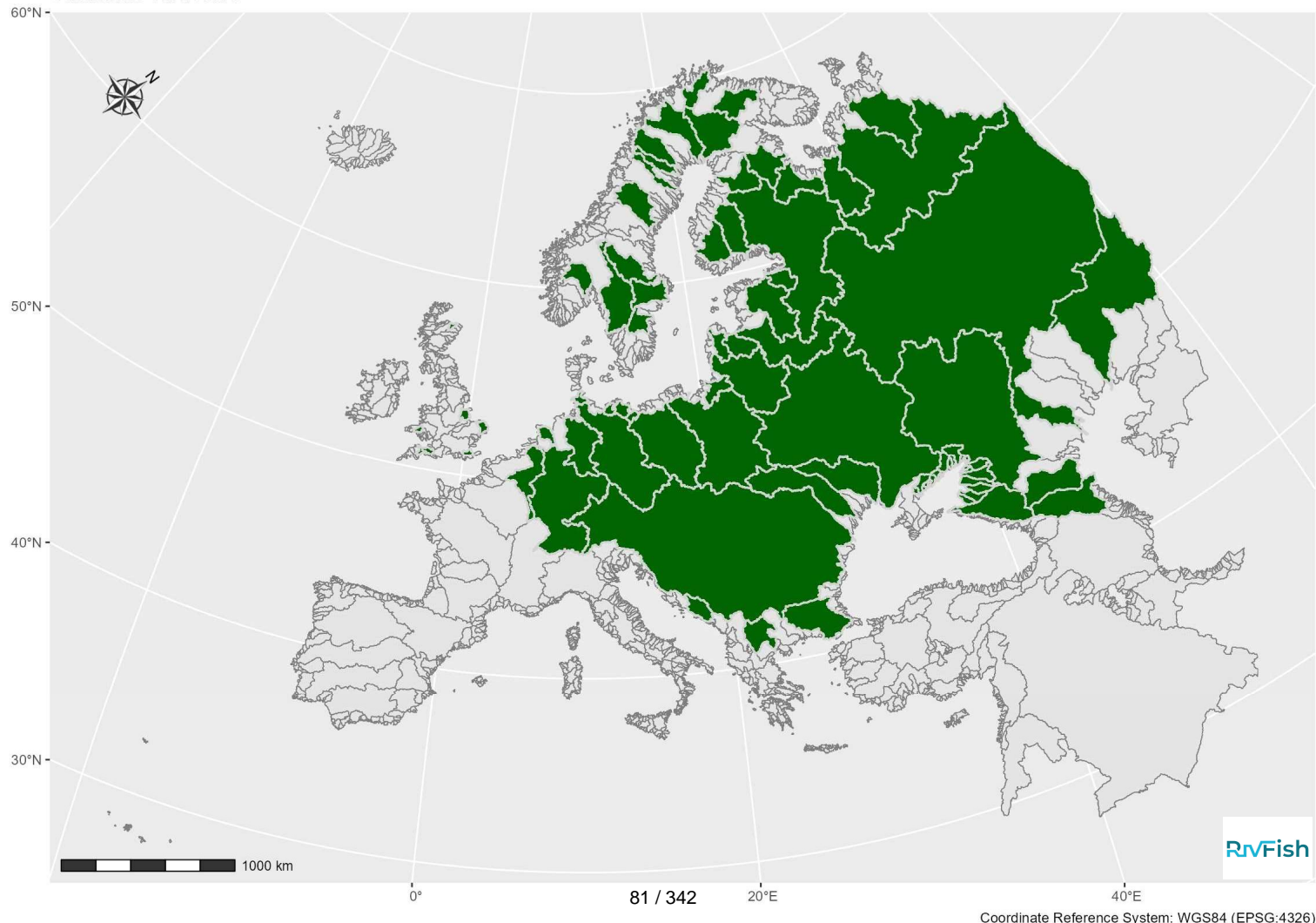
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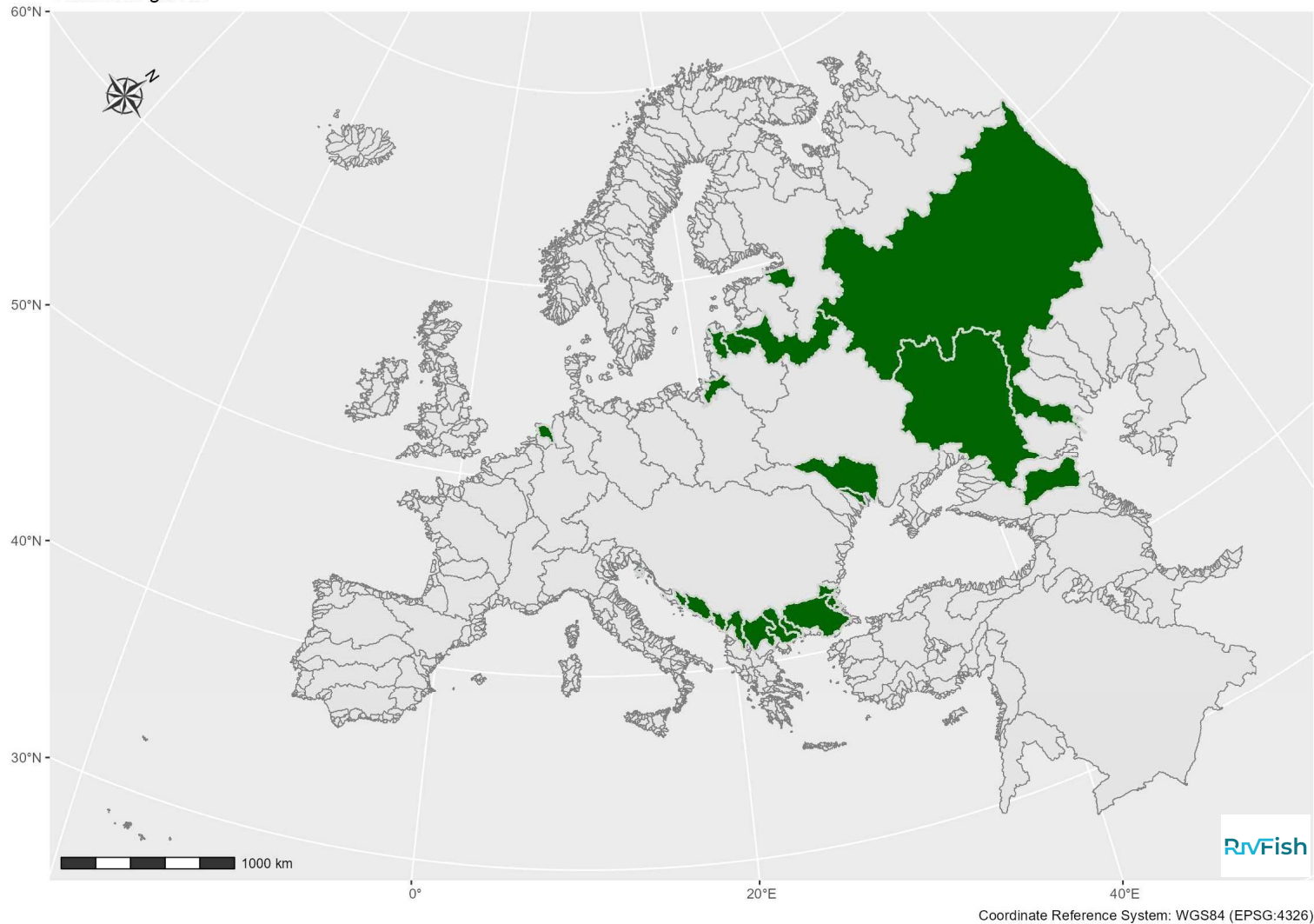
Capoeta tinca



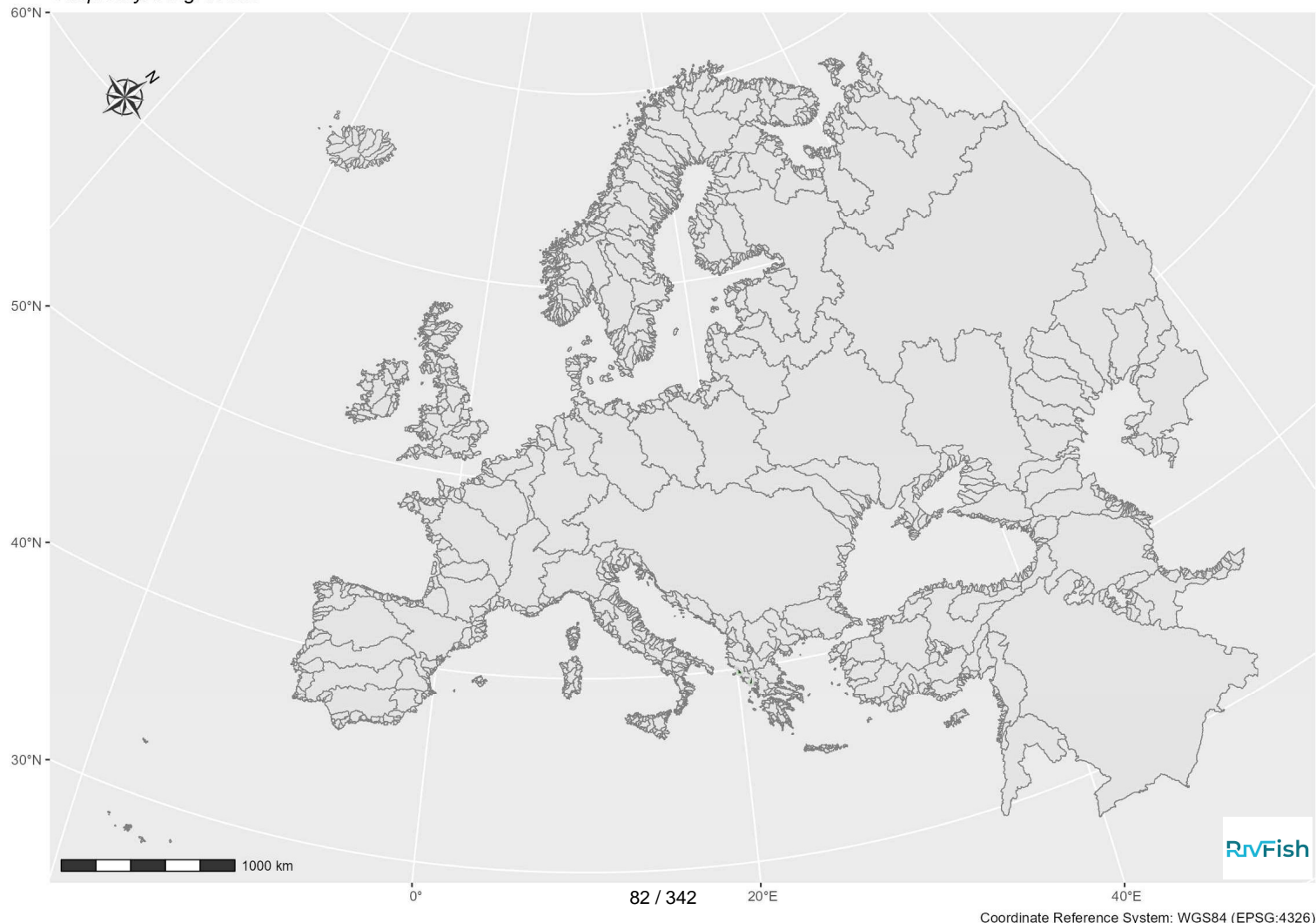
Carassius carassius



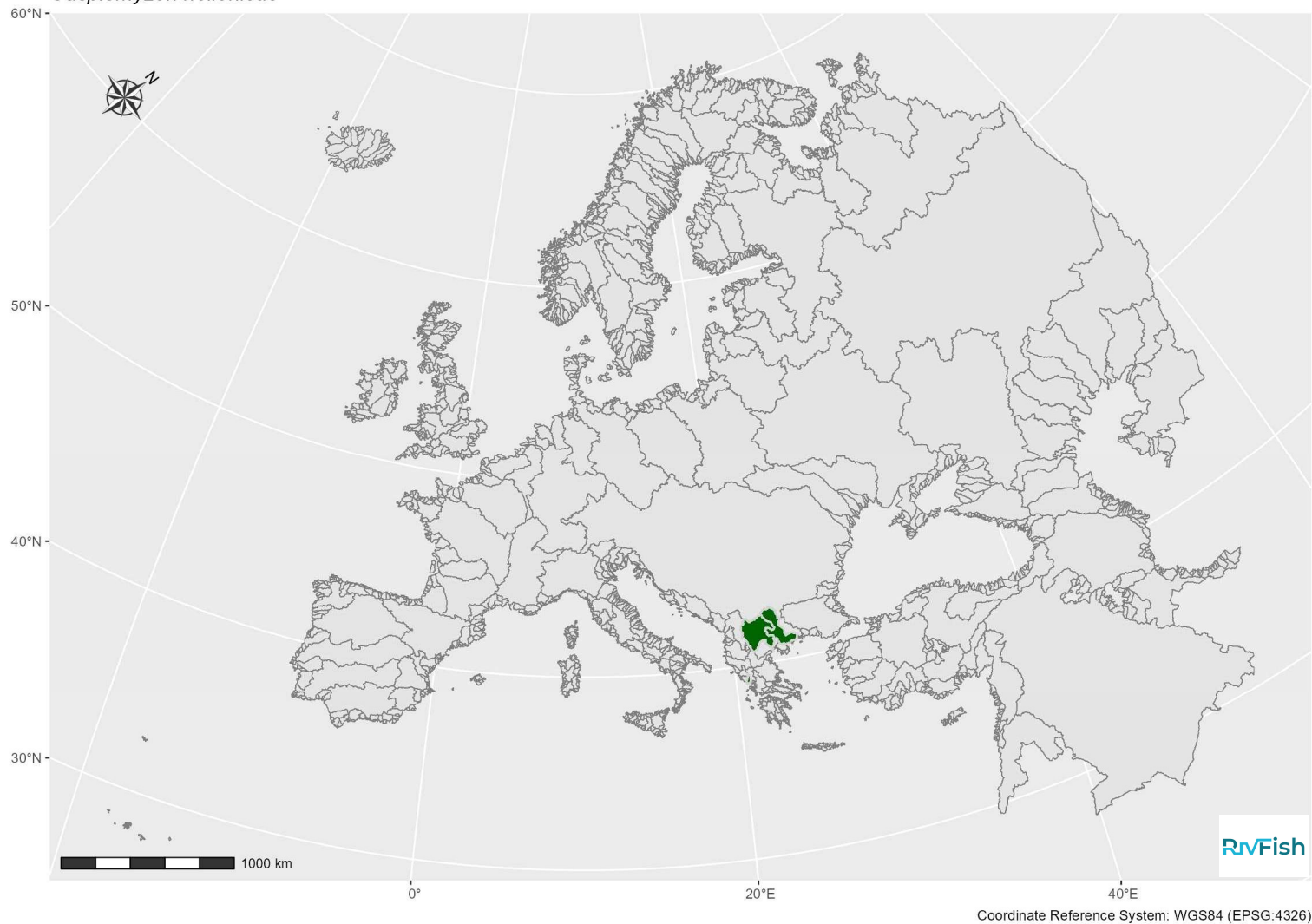
Carassius gibelio



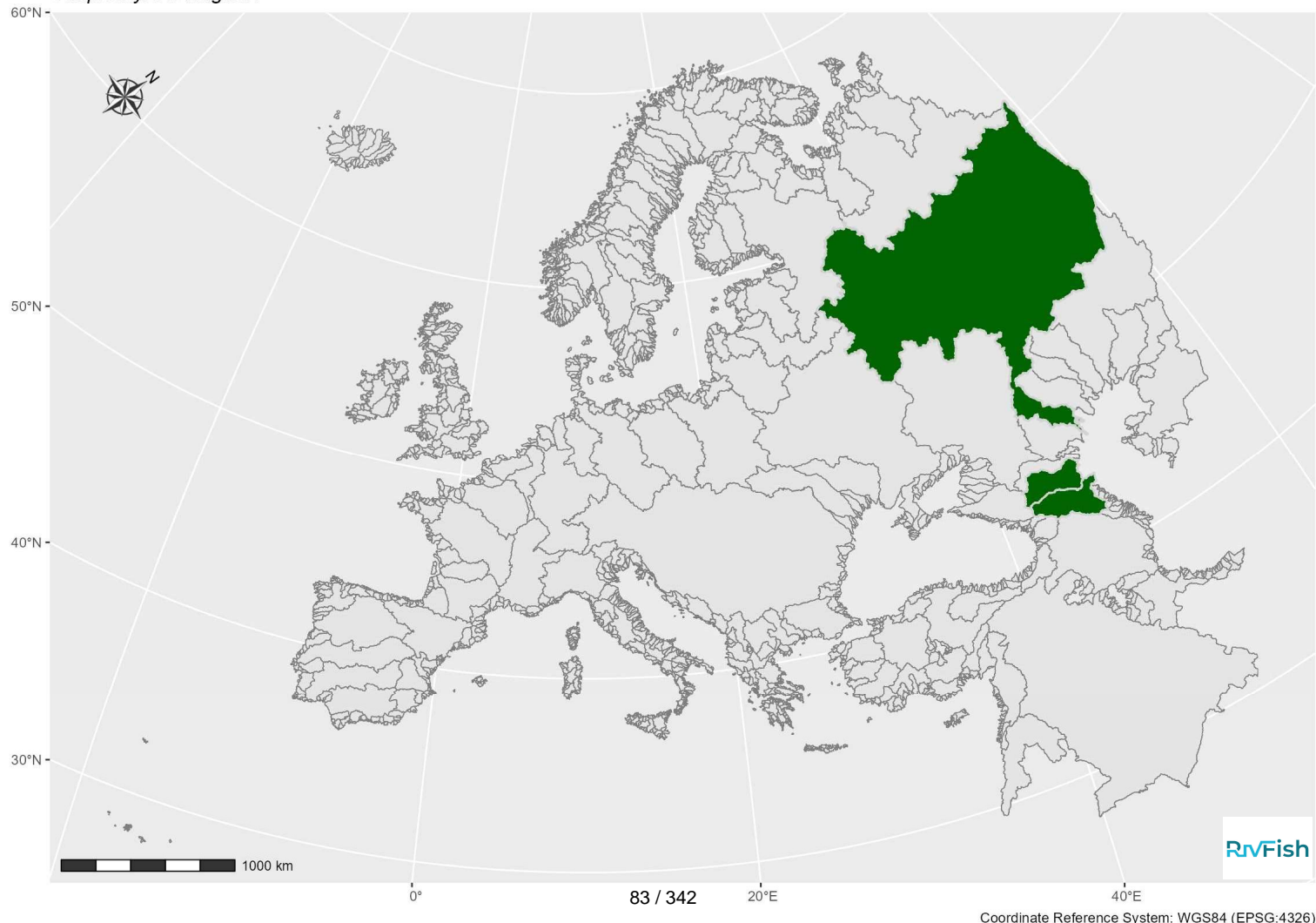
Caspiomyzon graecus



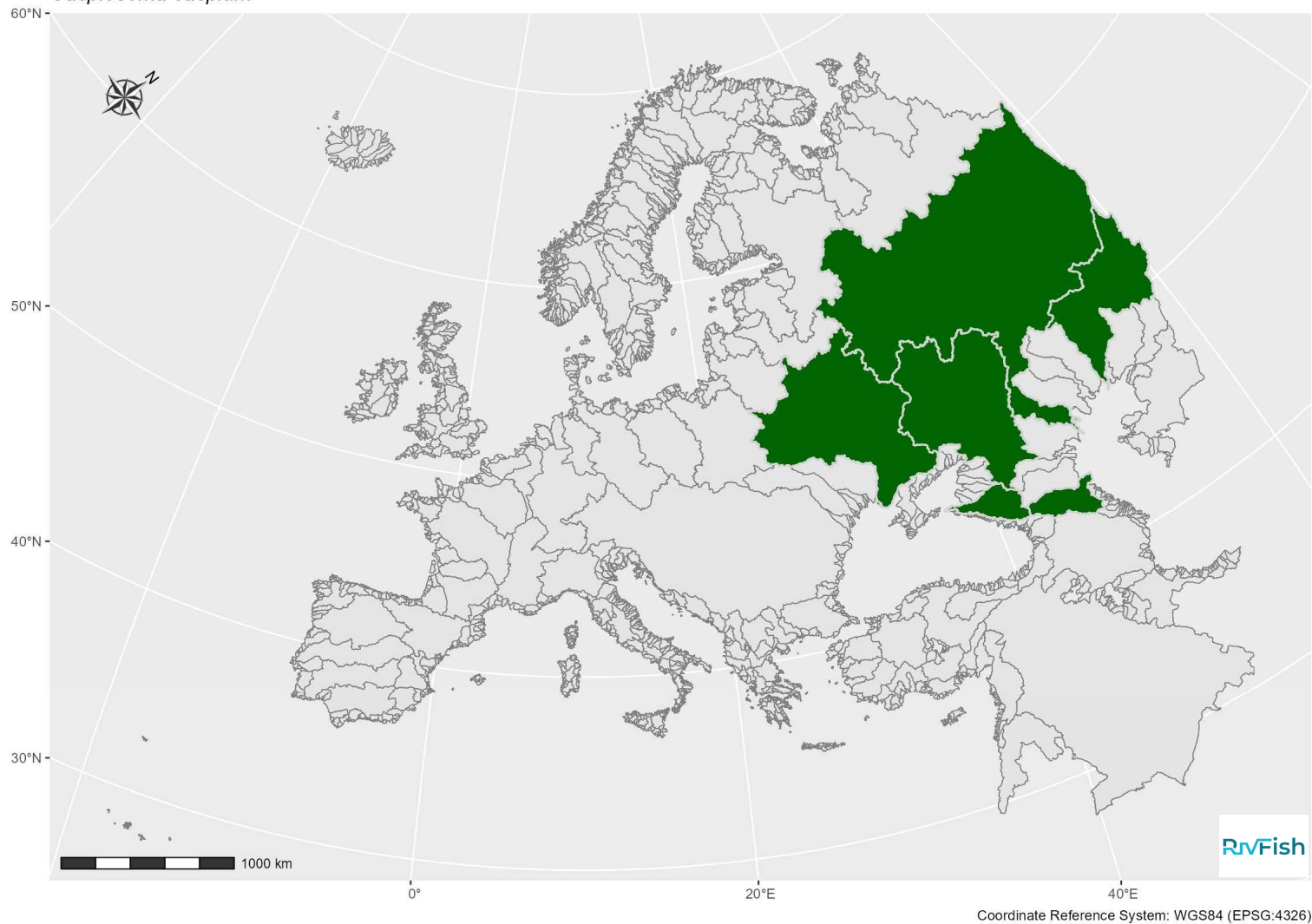
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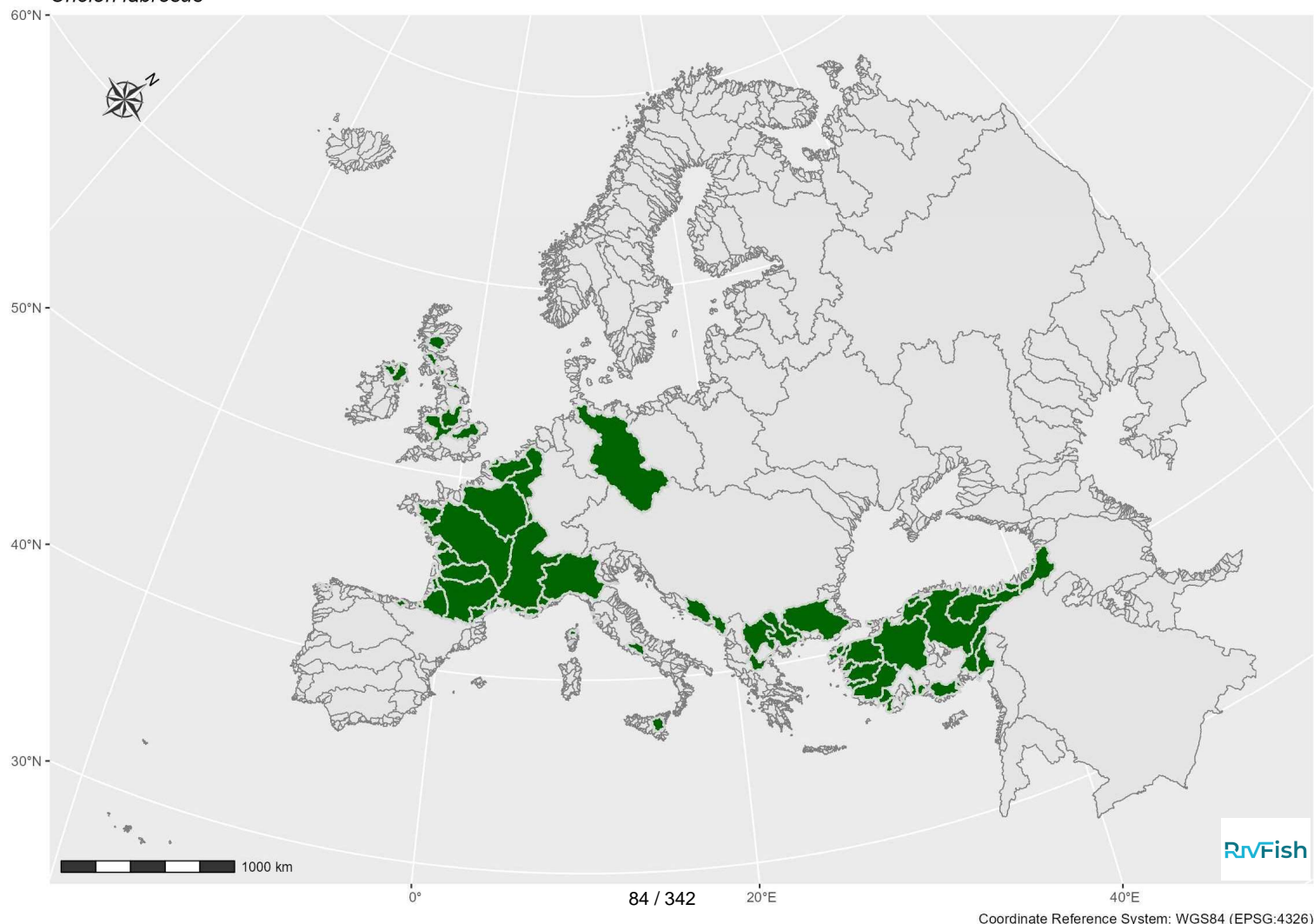
Caspiomyzon wagneri



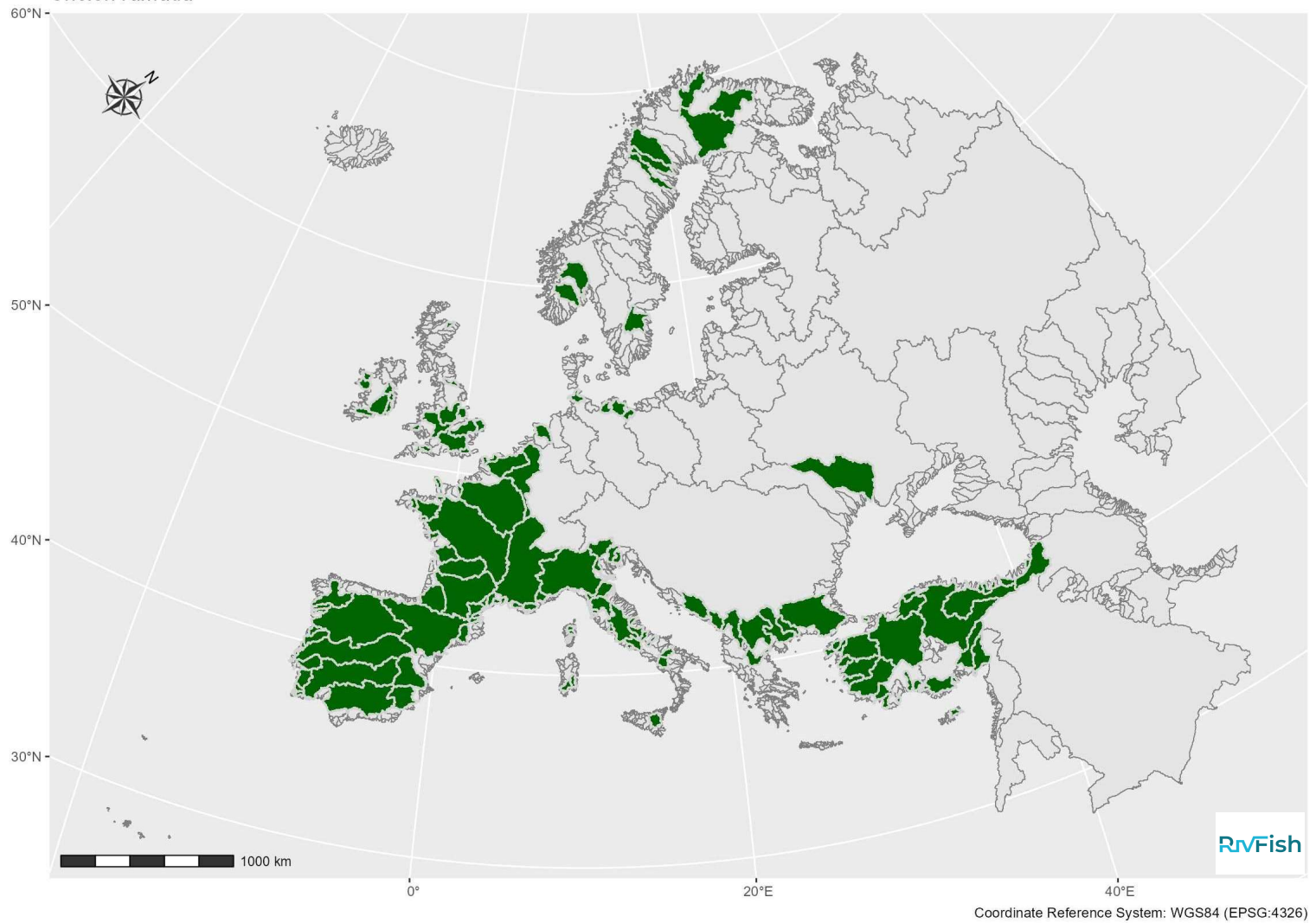
Caspiosoma caspium



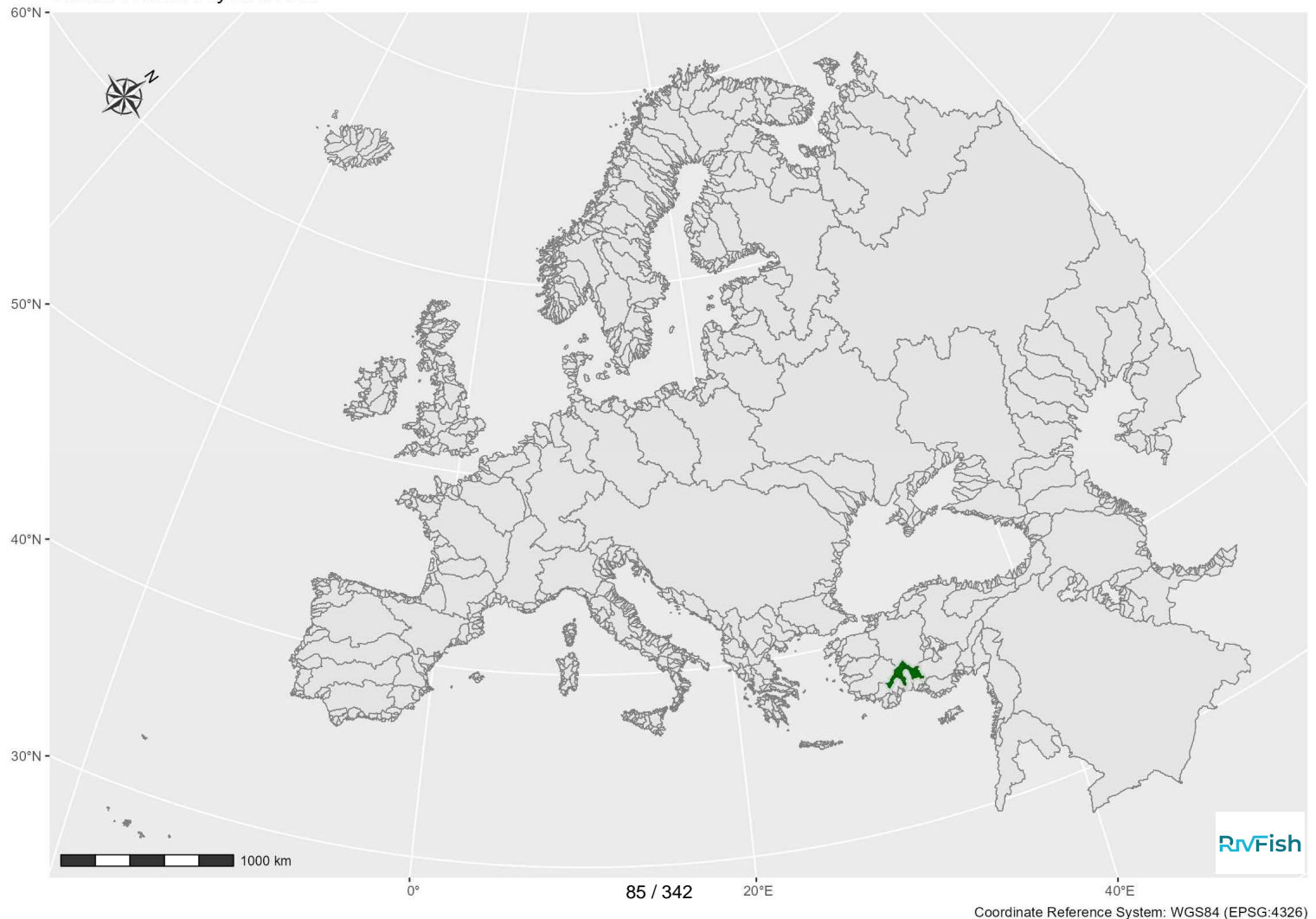
Chelon labrosus



Chelon ramada



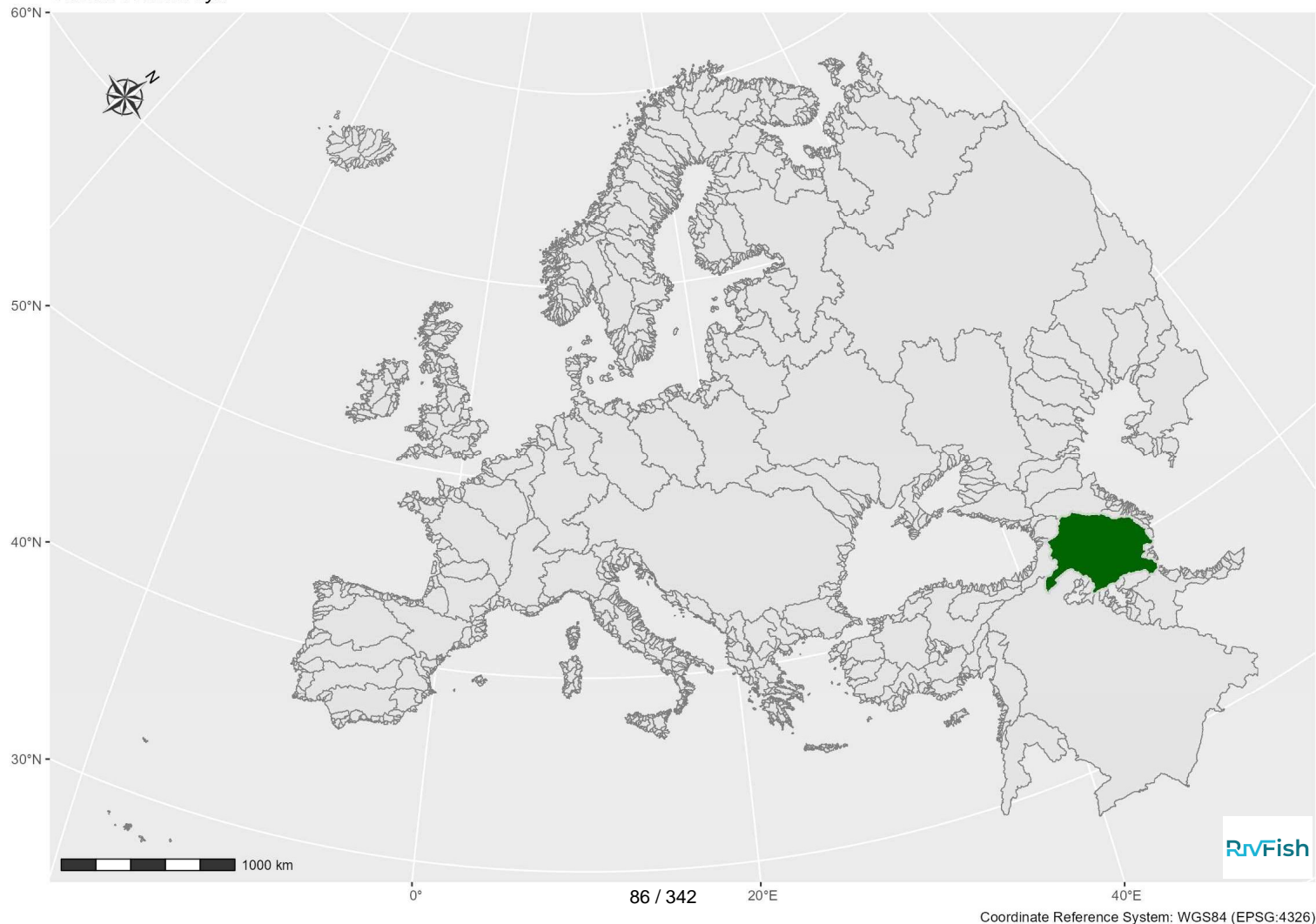
Chondrostoma beysehirense



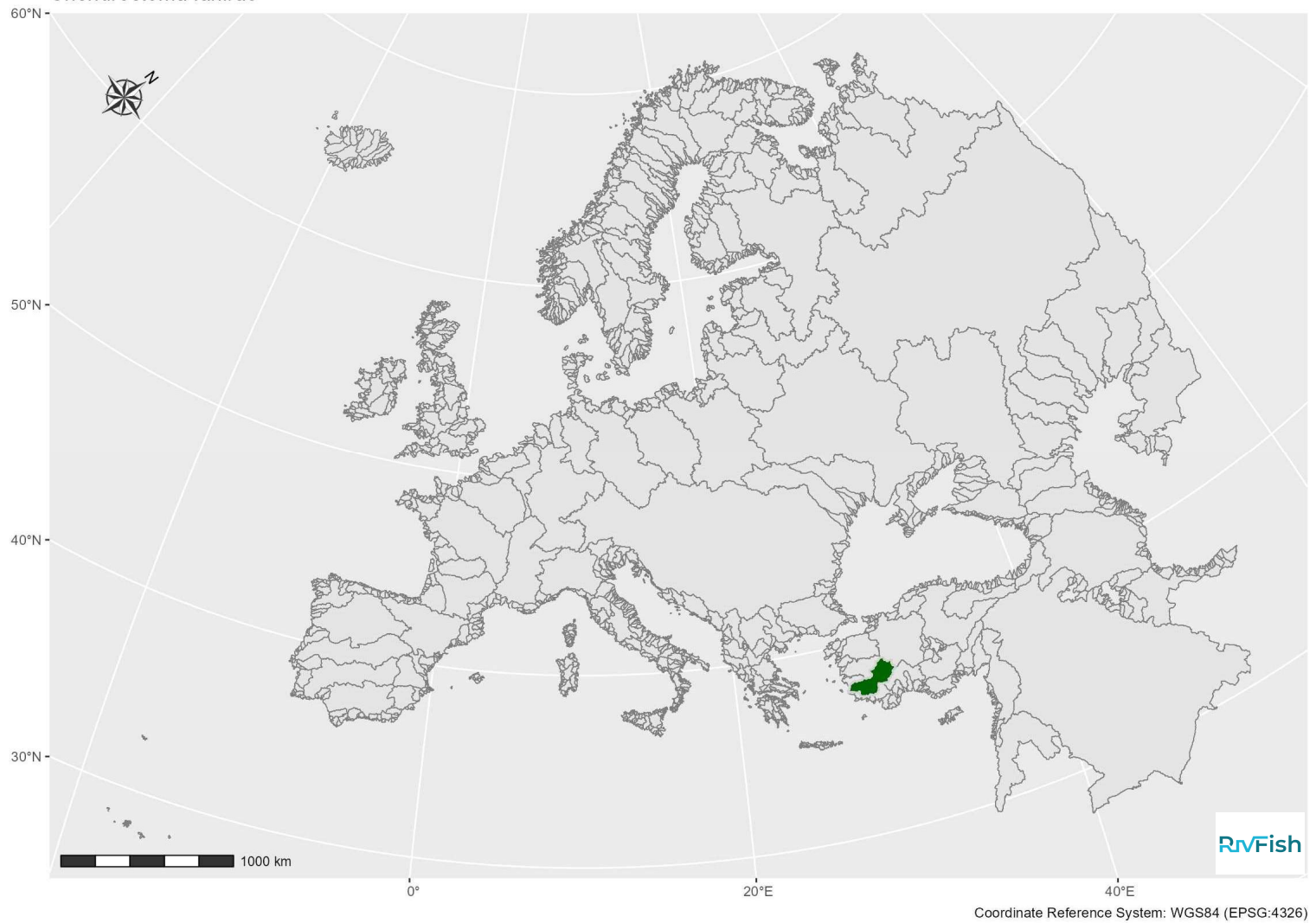
Chondrostoma colchicum



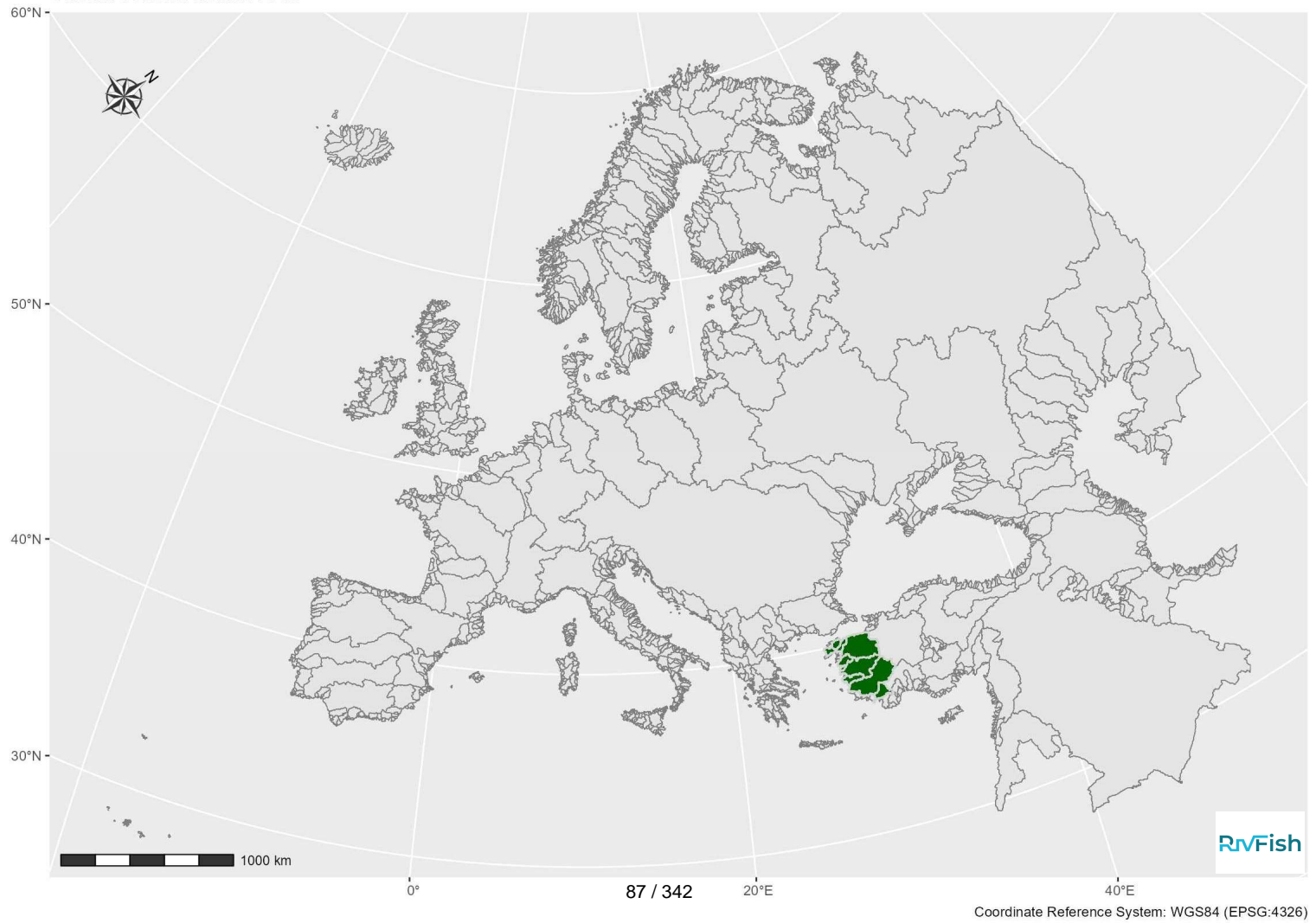
Chondrostoma cyri



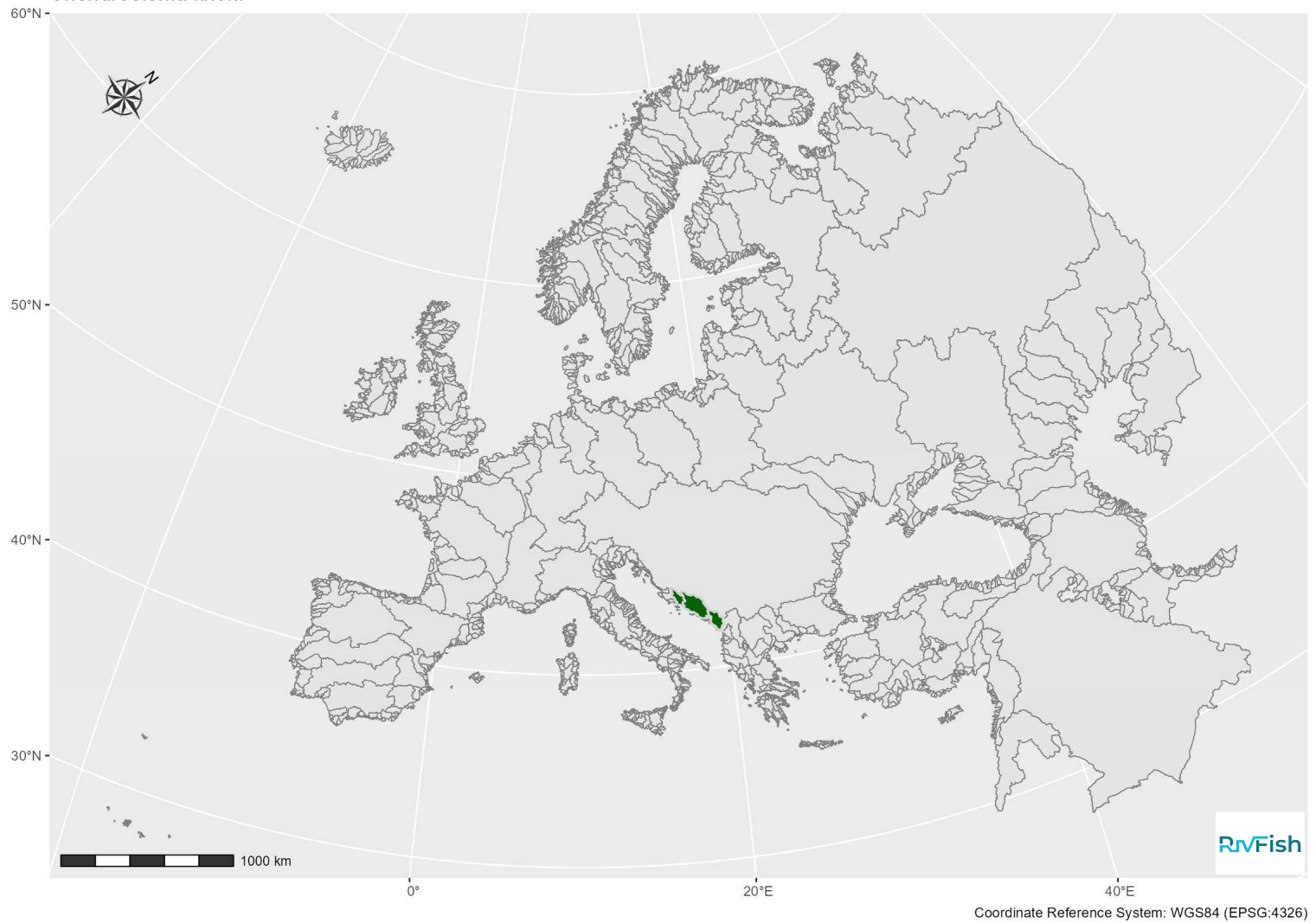
Chondrostoma fahirae



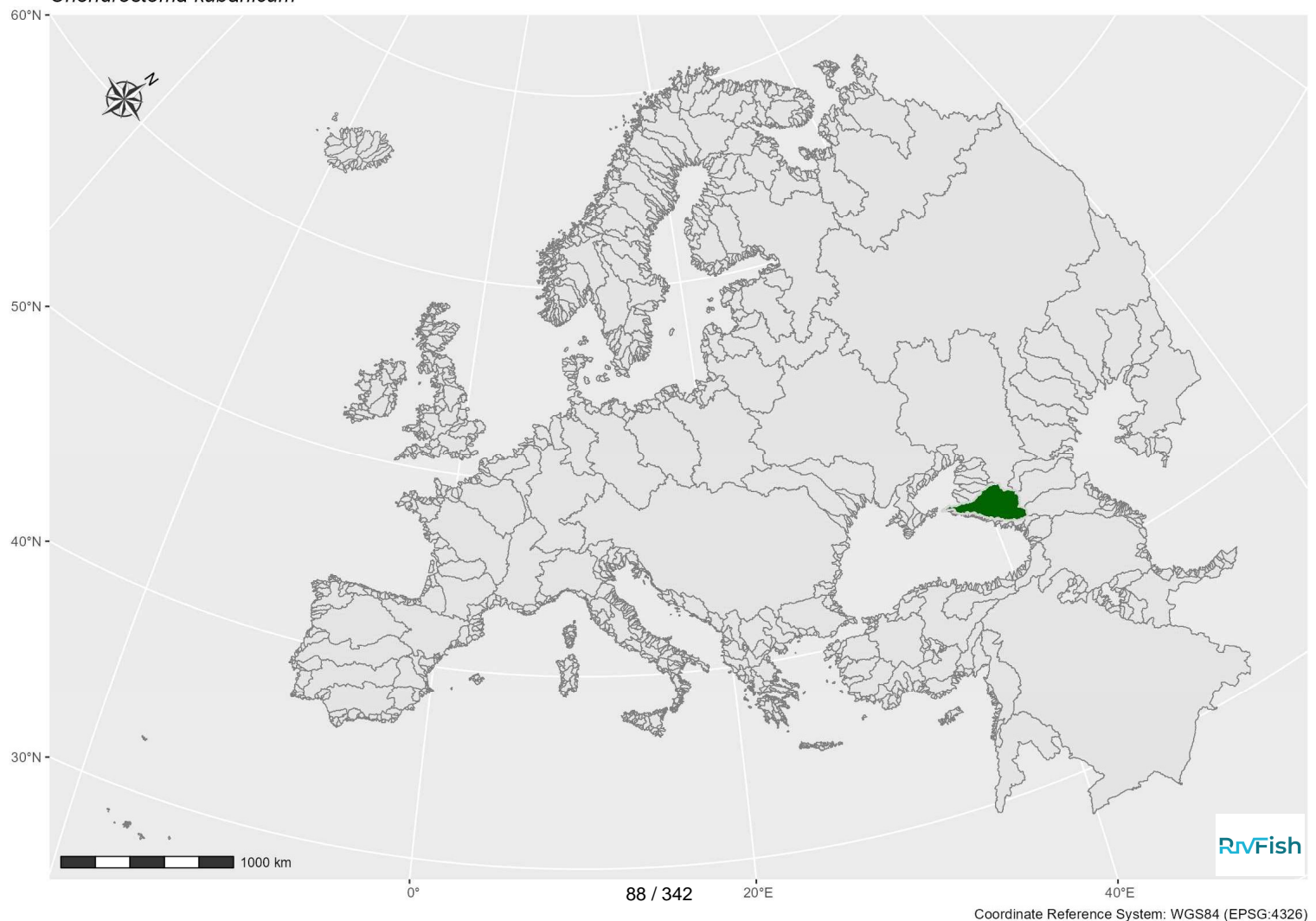
Chondrostoma holmwoodii



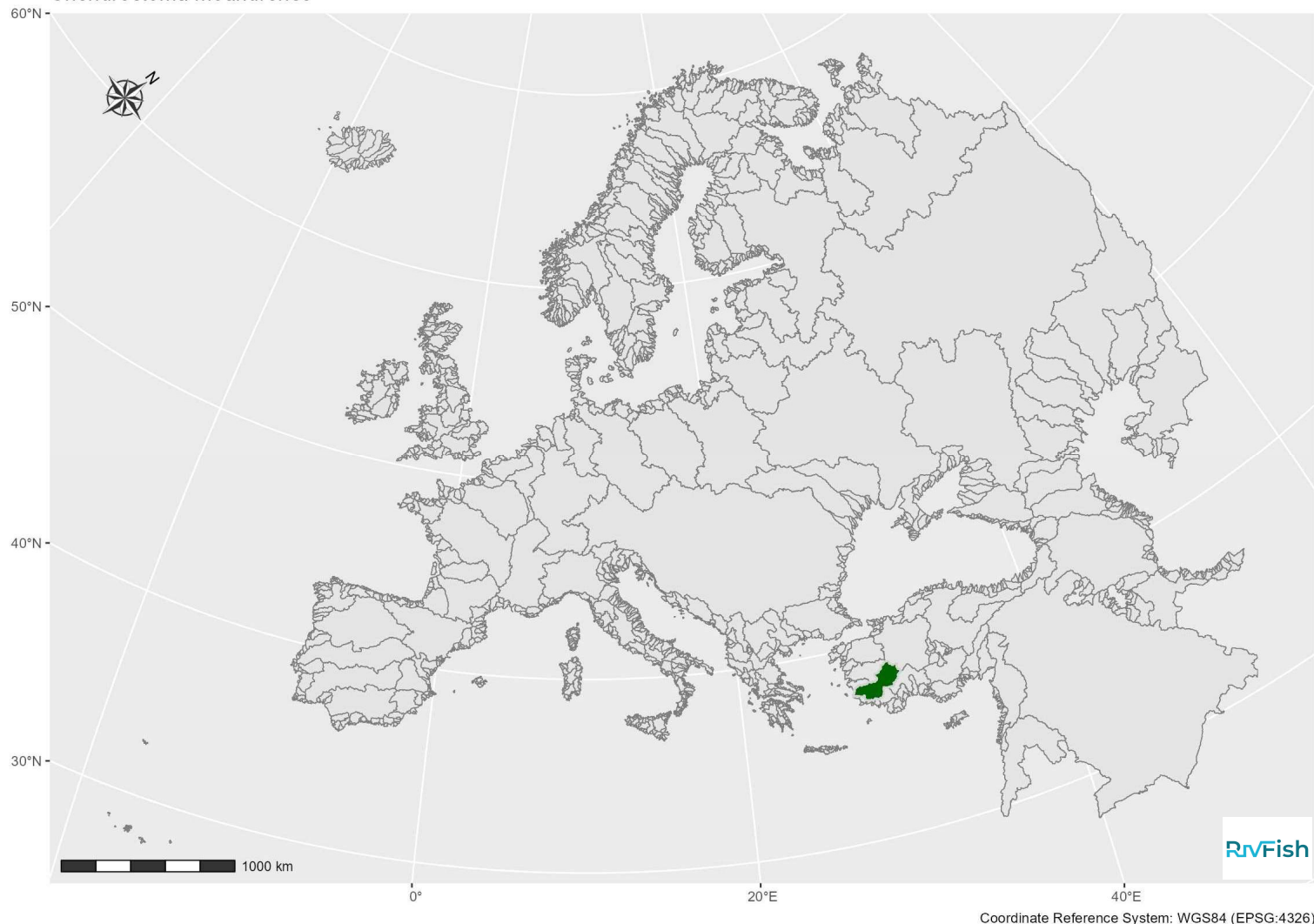
Chondrostoma knerii



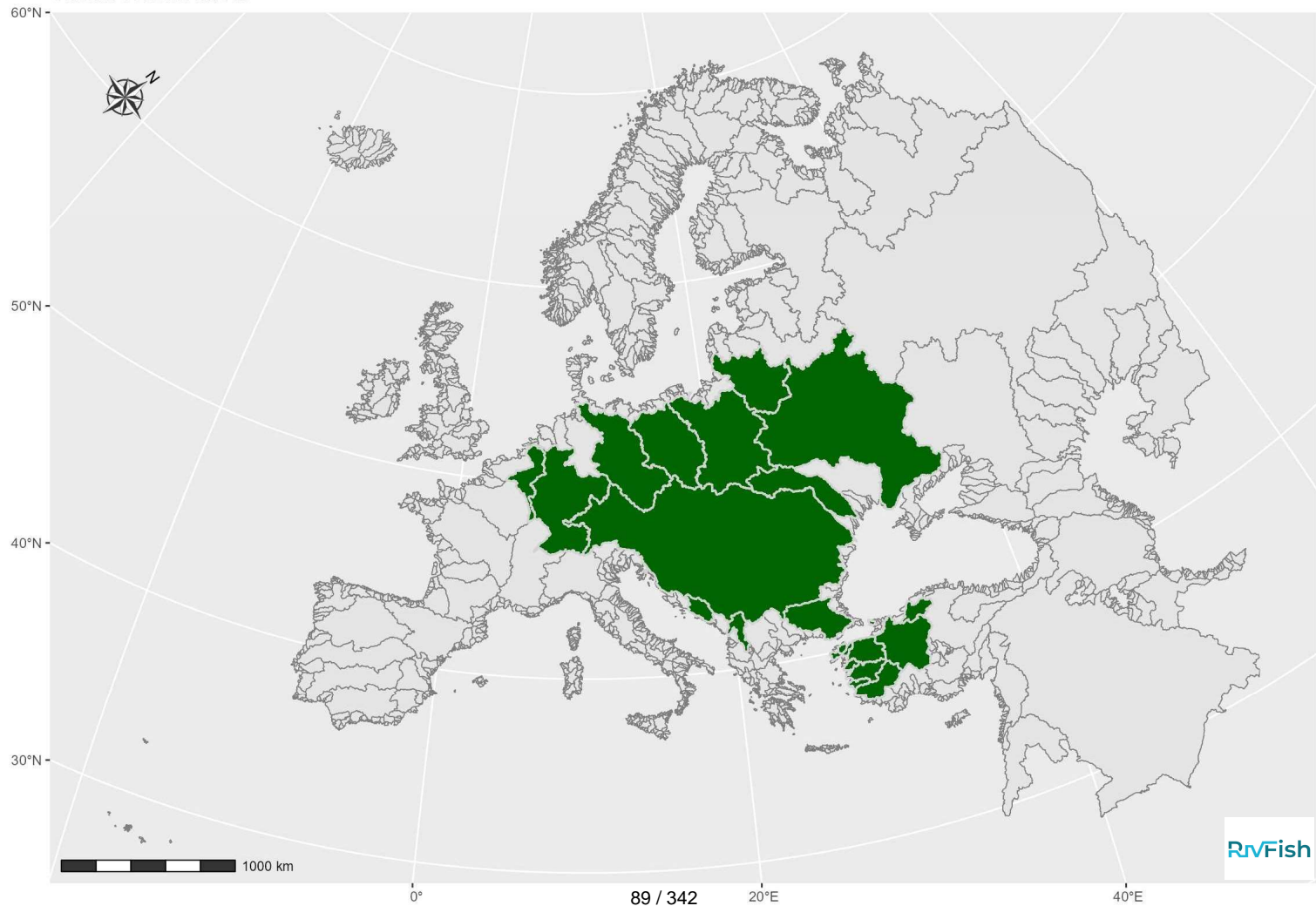
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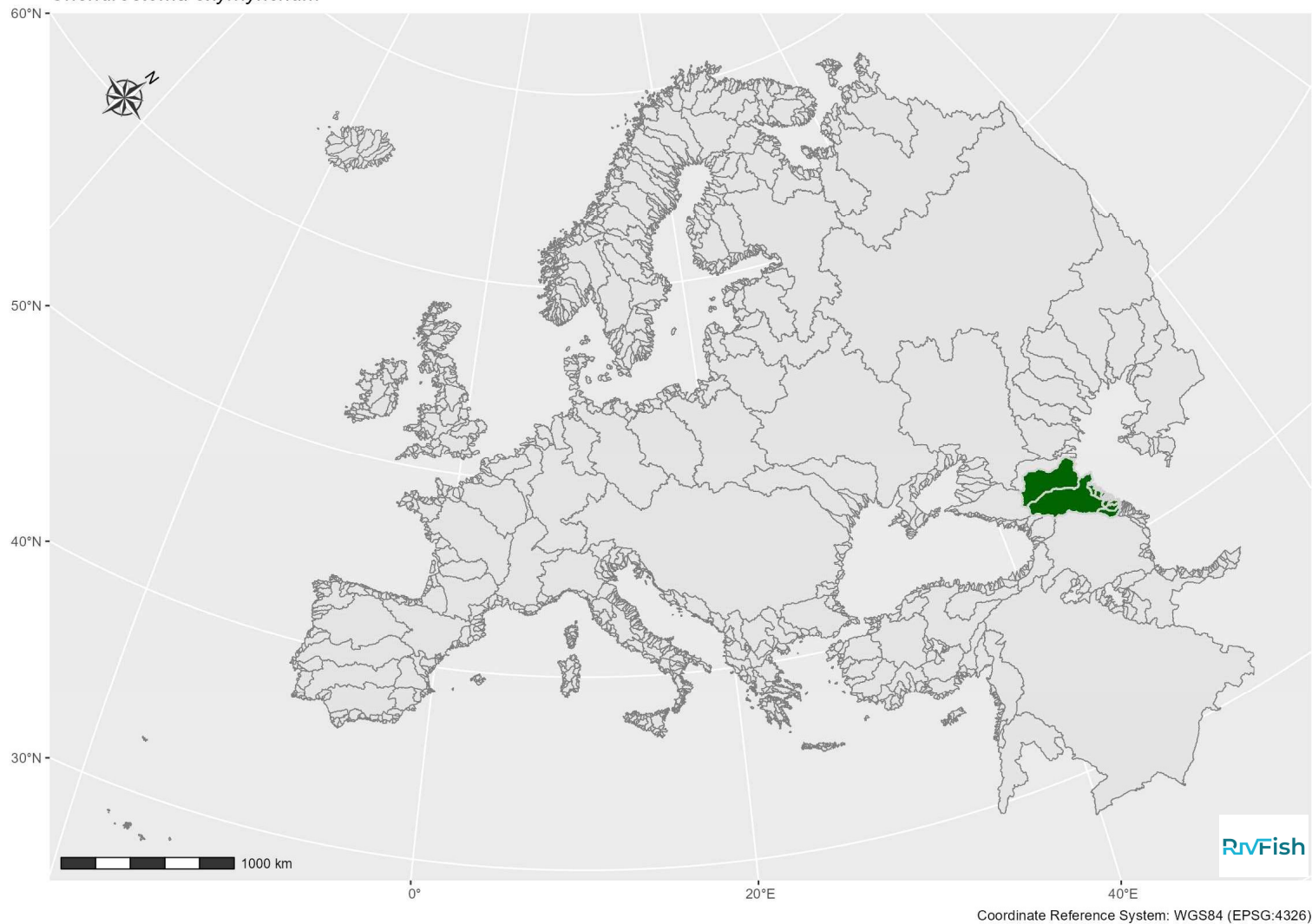
Chondrostoma meandrense



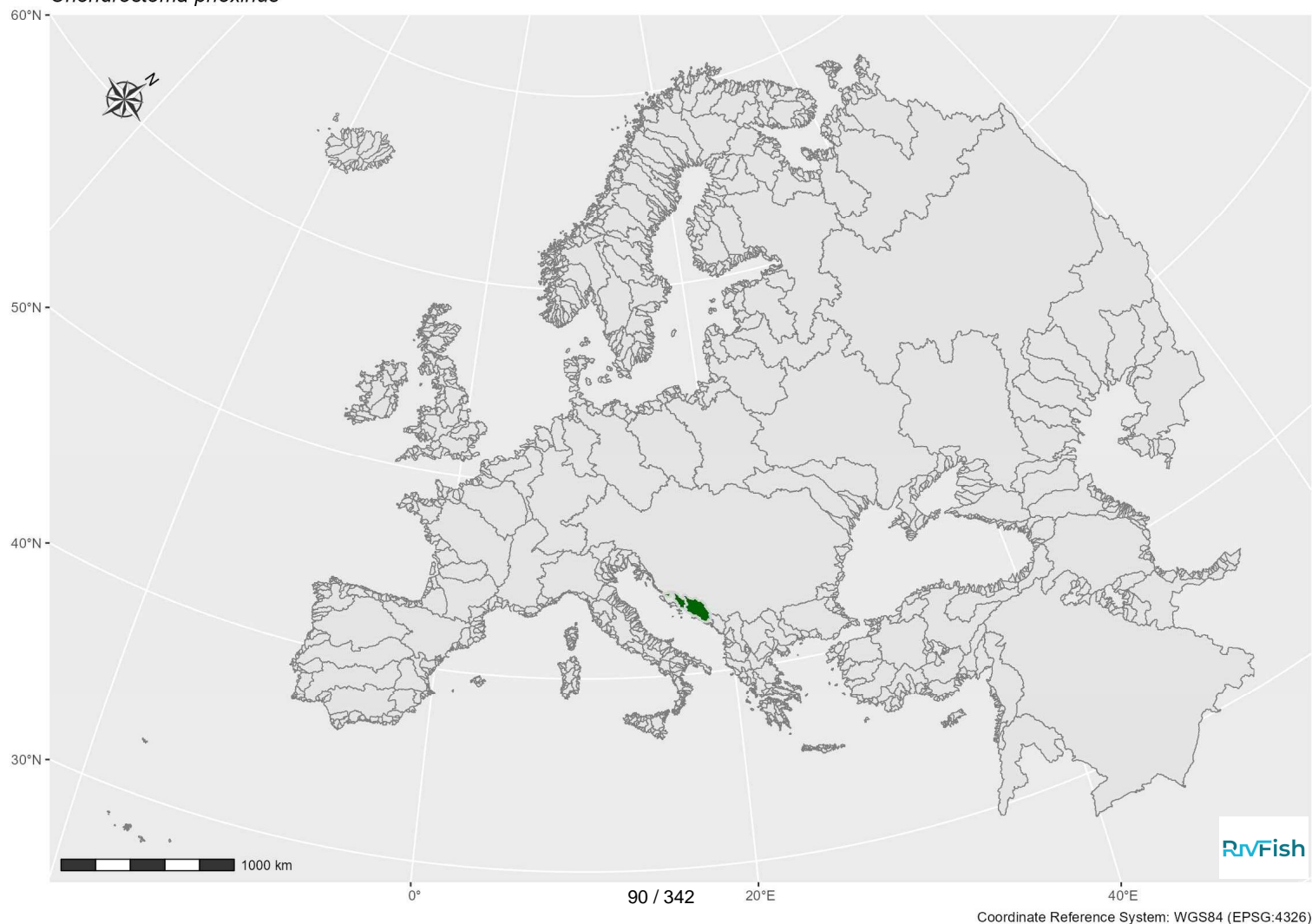
Chondrostoma nasus



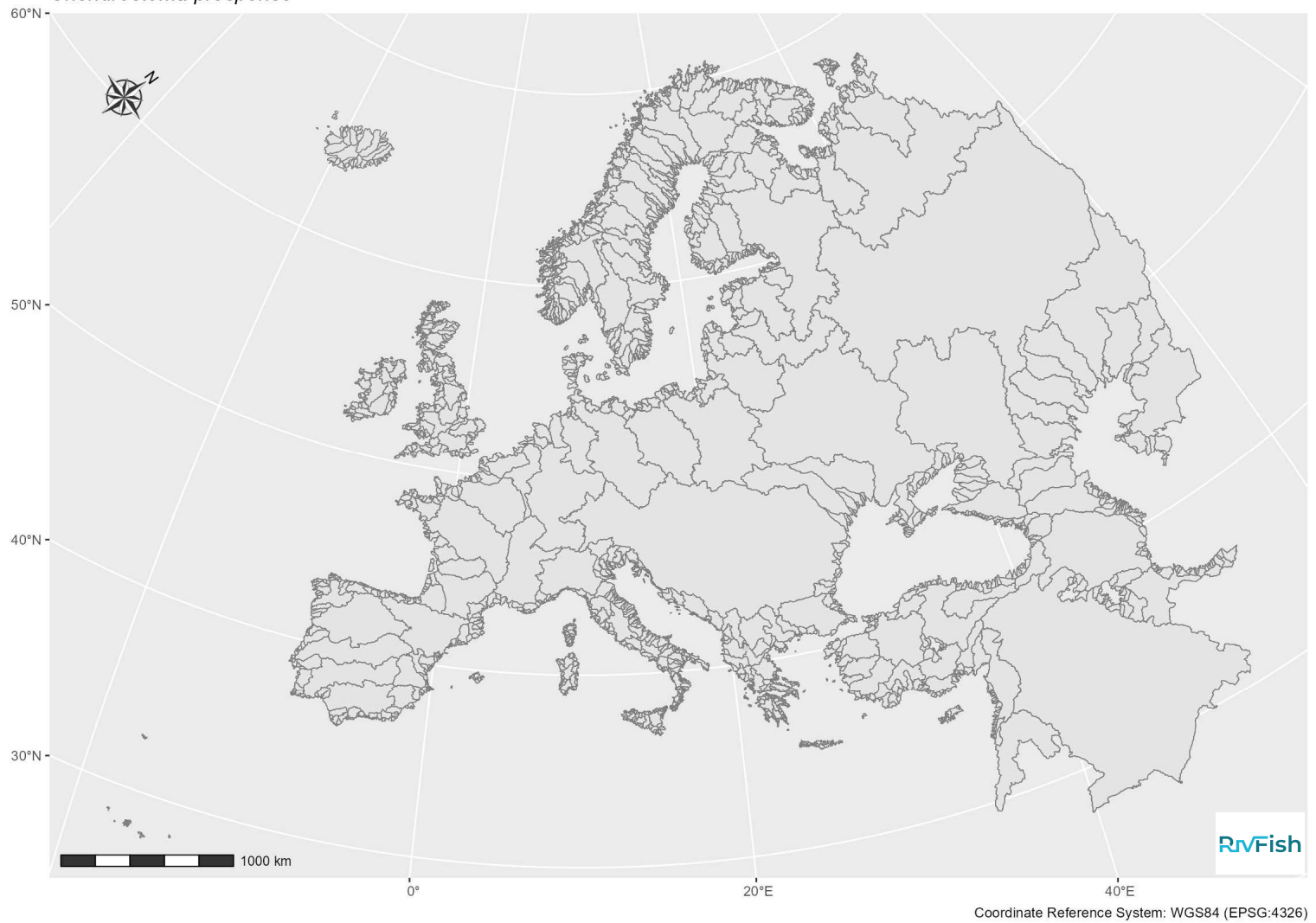
Chondrostoma oxyrhynchum



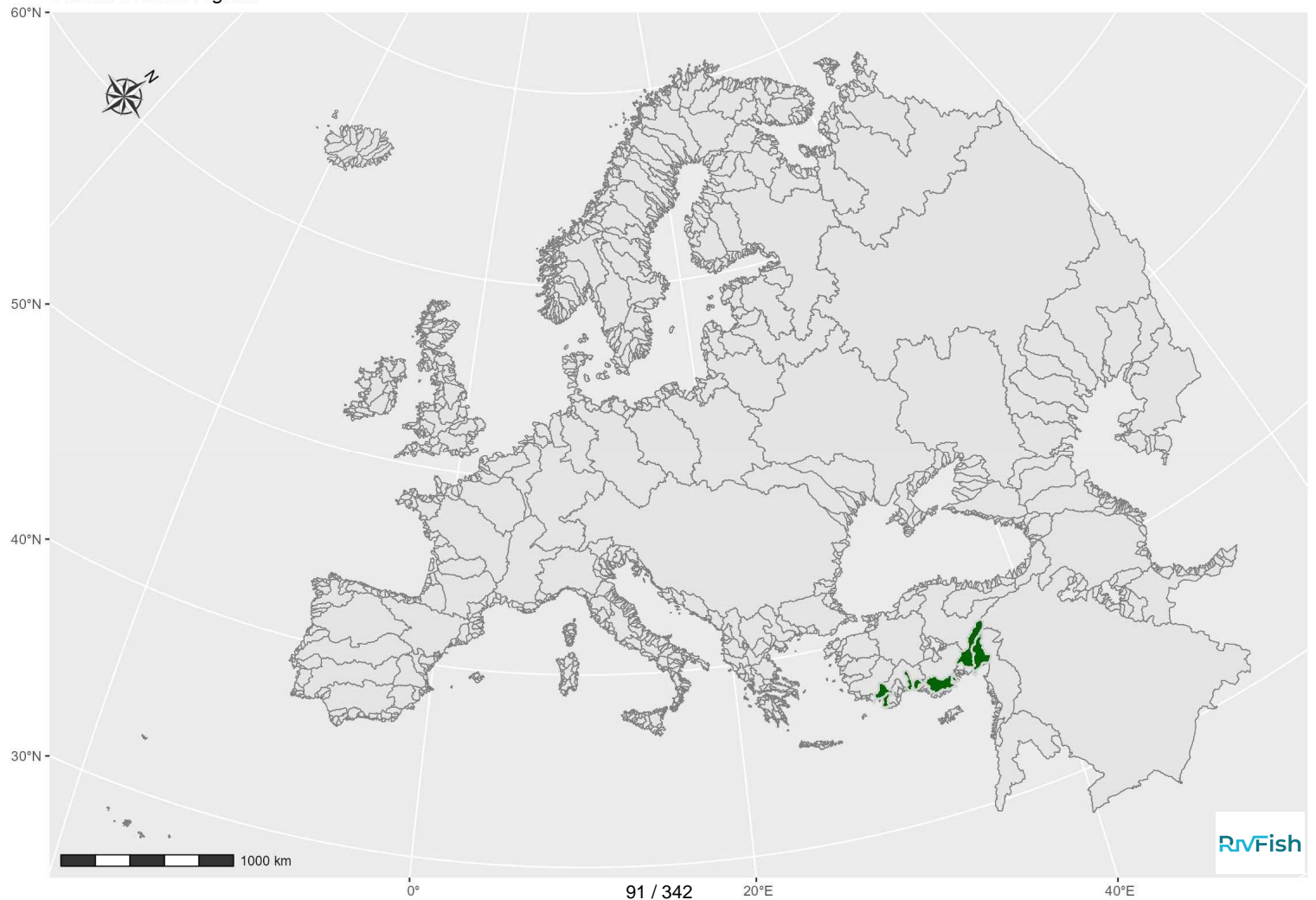
Chondrostoma phoxinus



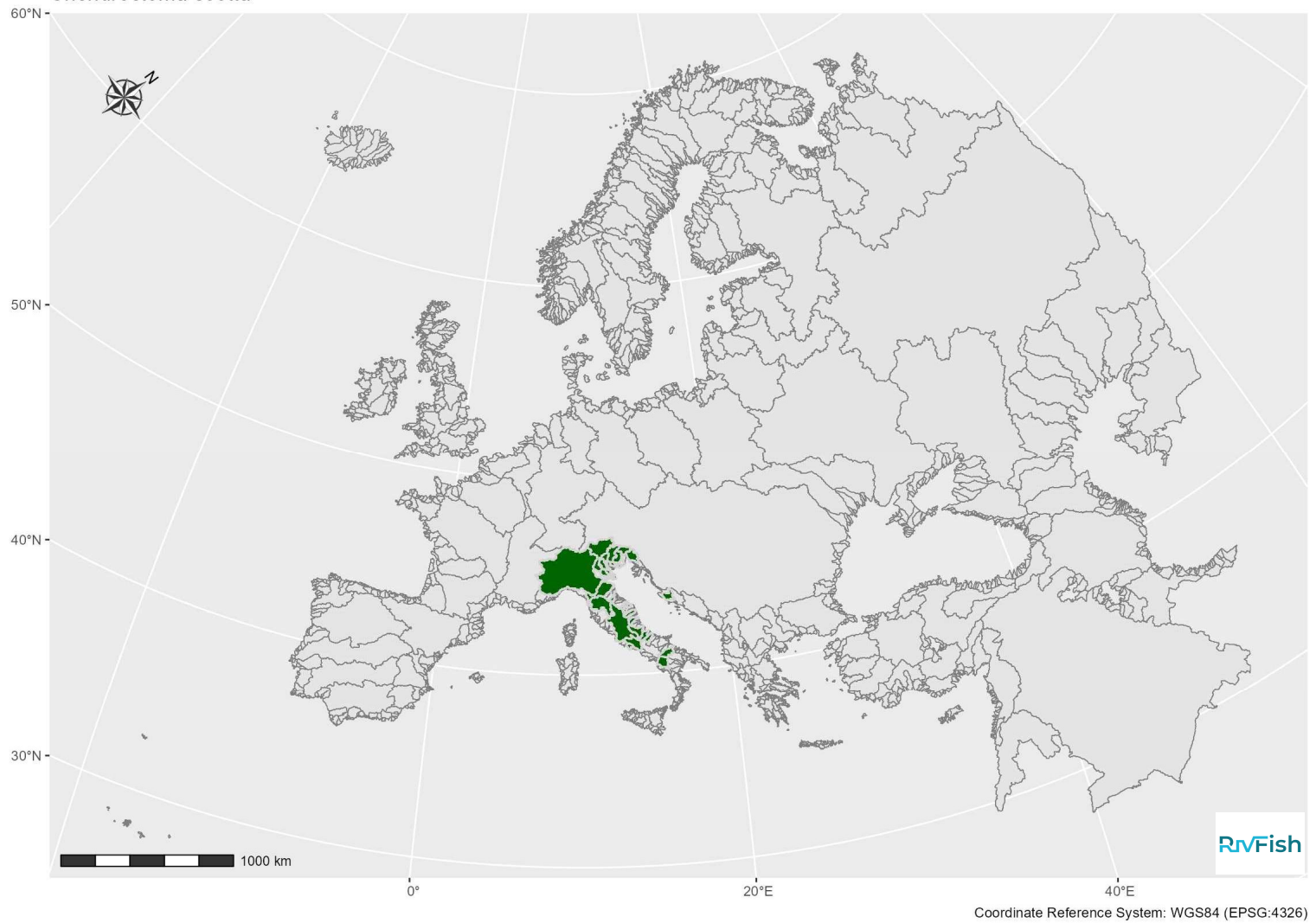
Chondrostoma prespense



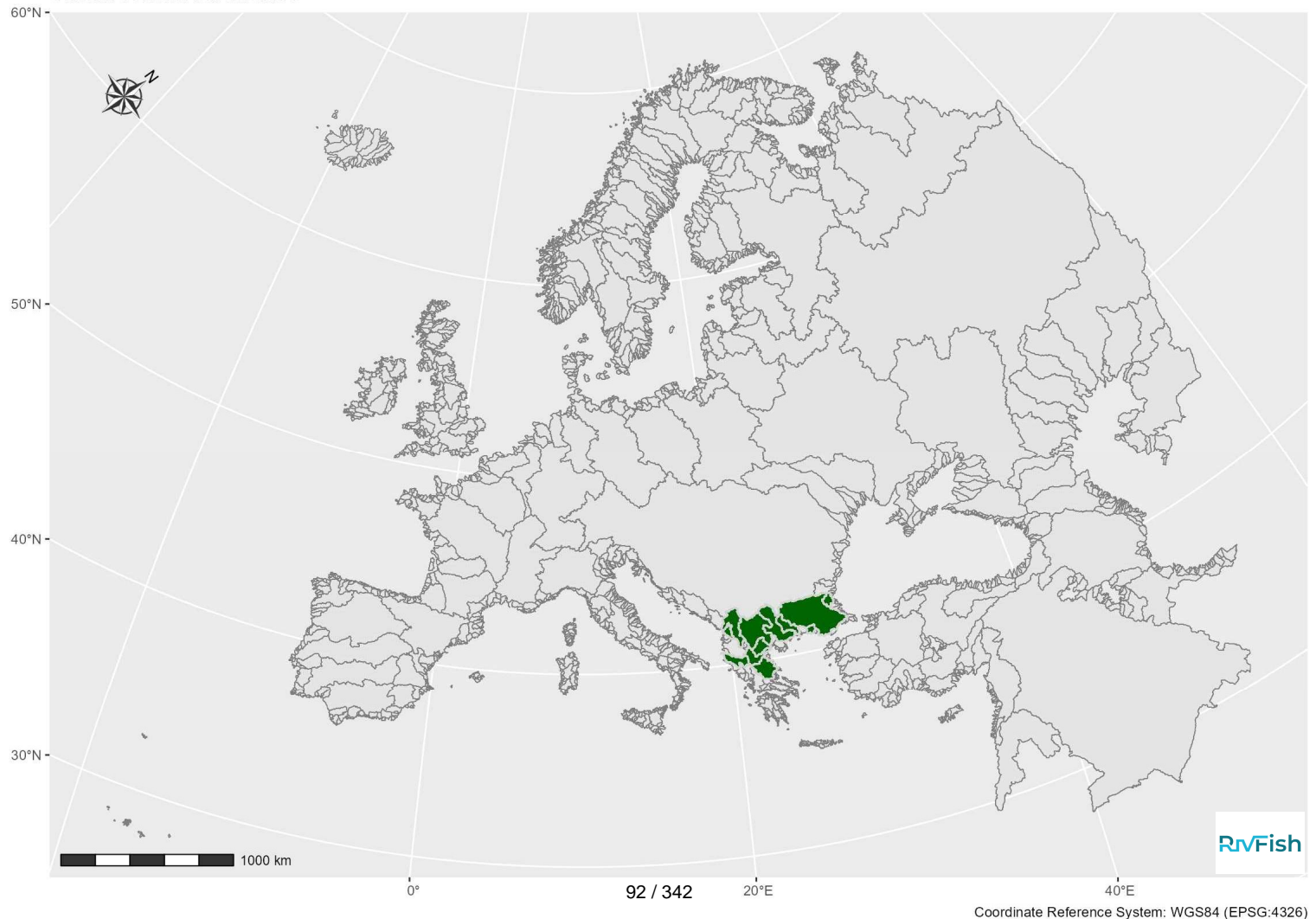
Chondrostoma regium



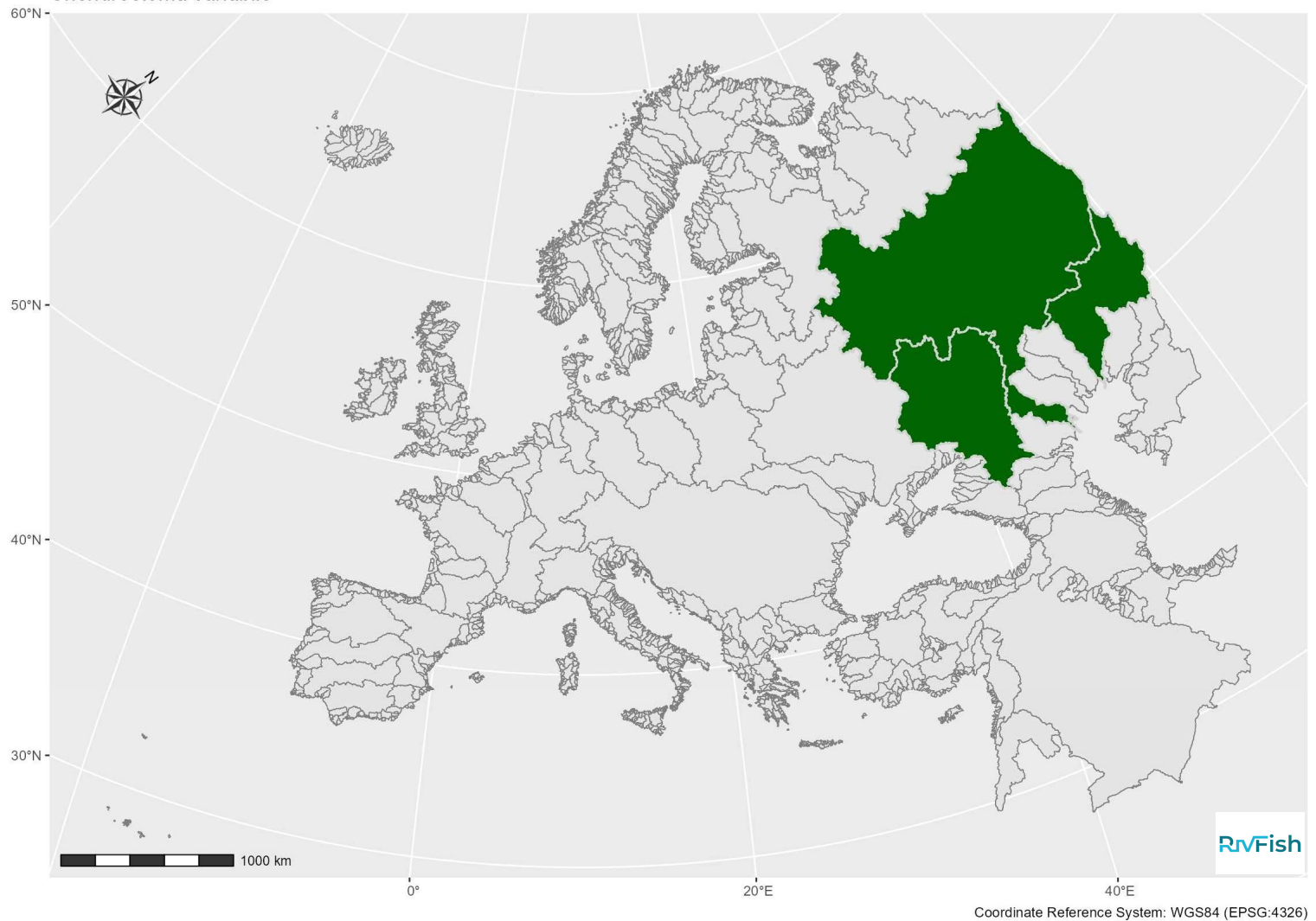
Chondrostoma soetta



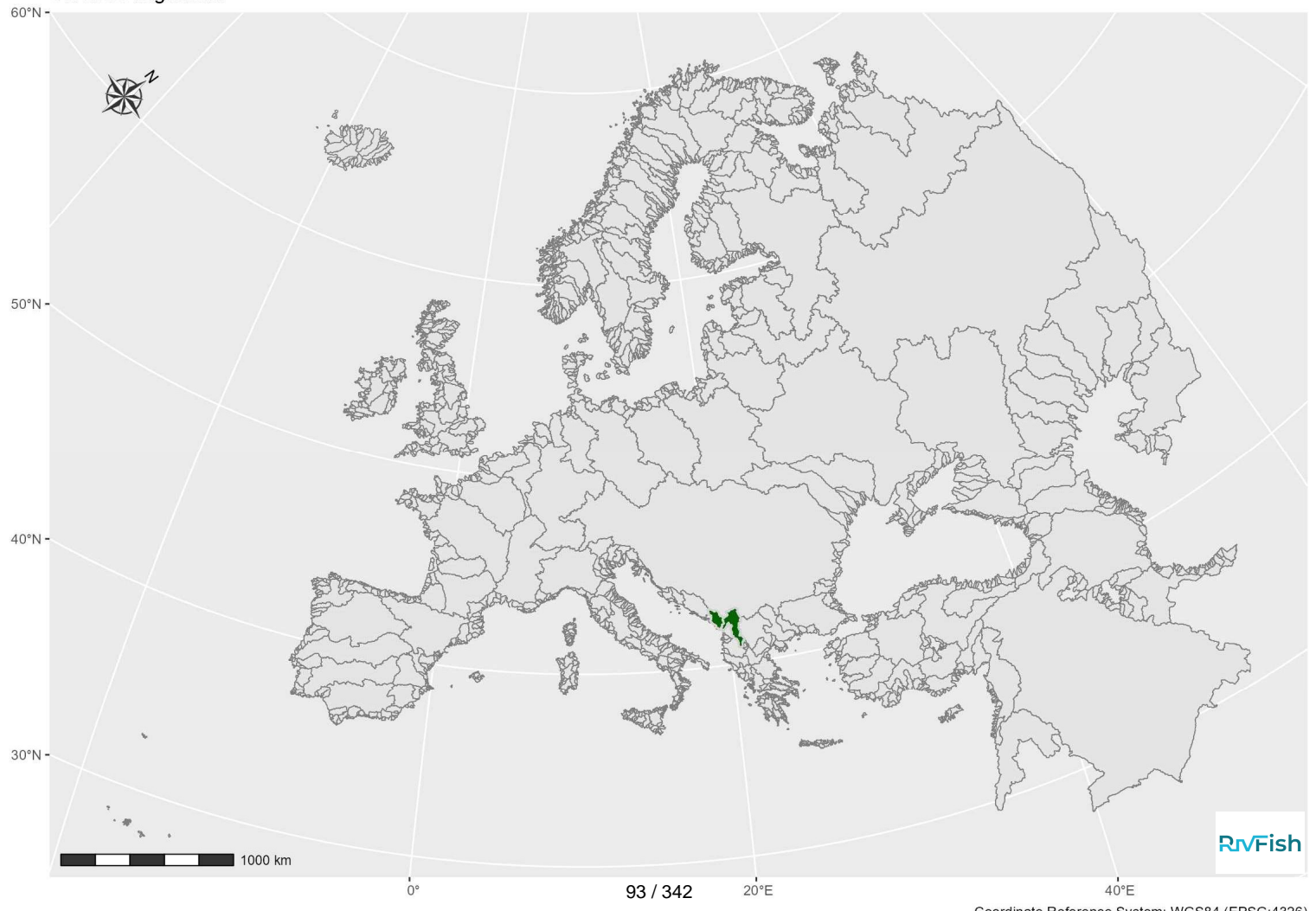
Chondrostoma vardarenses



Chondrostoma variable



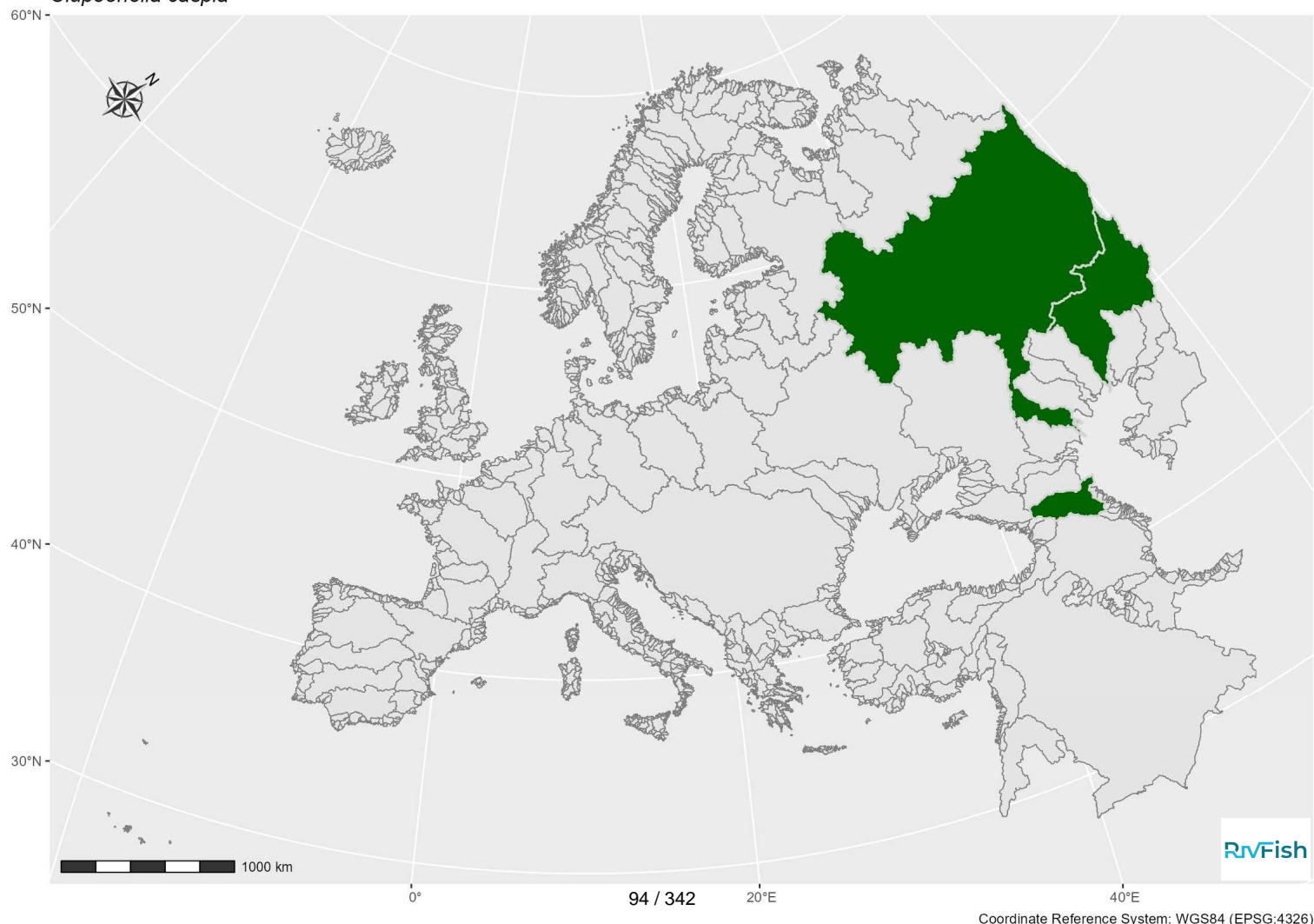
Citharus linguatula



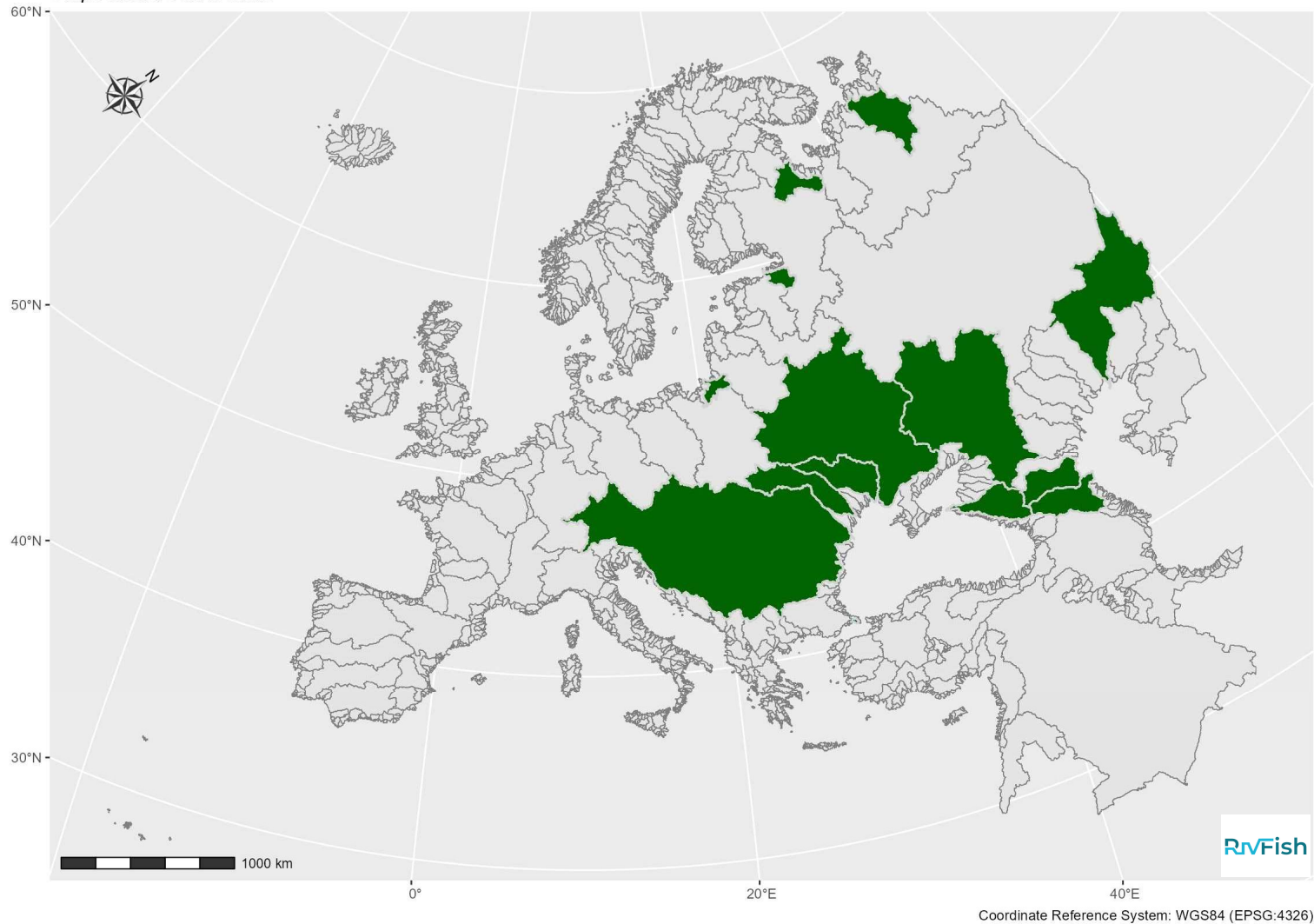
Clupeonella abrau



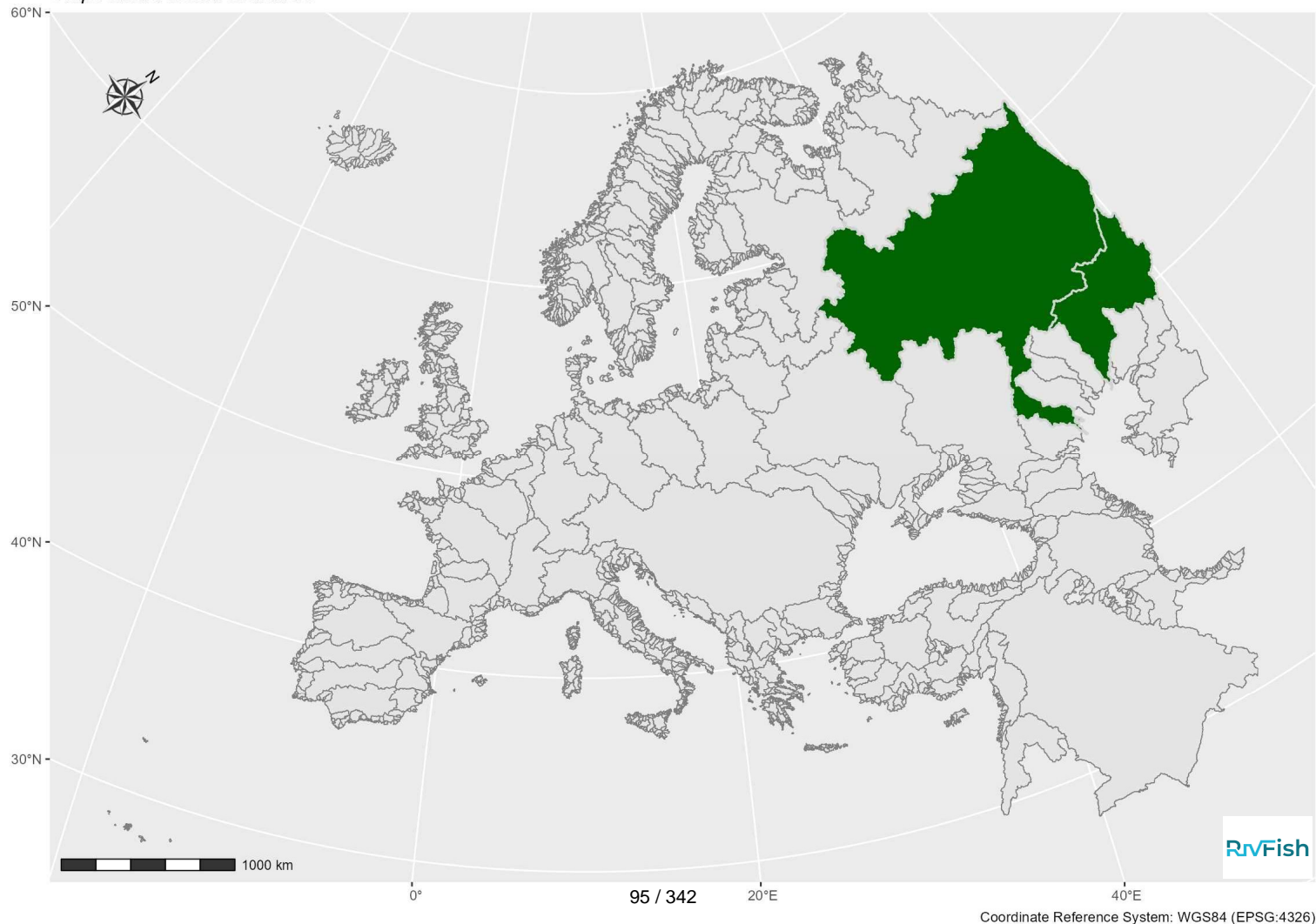
Clupeonella caspia



Clupeonella cultriventris



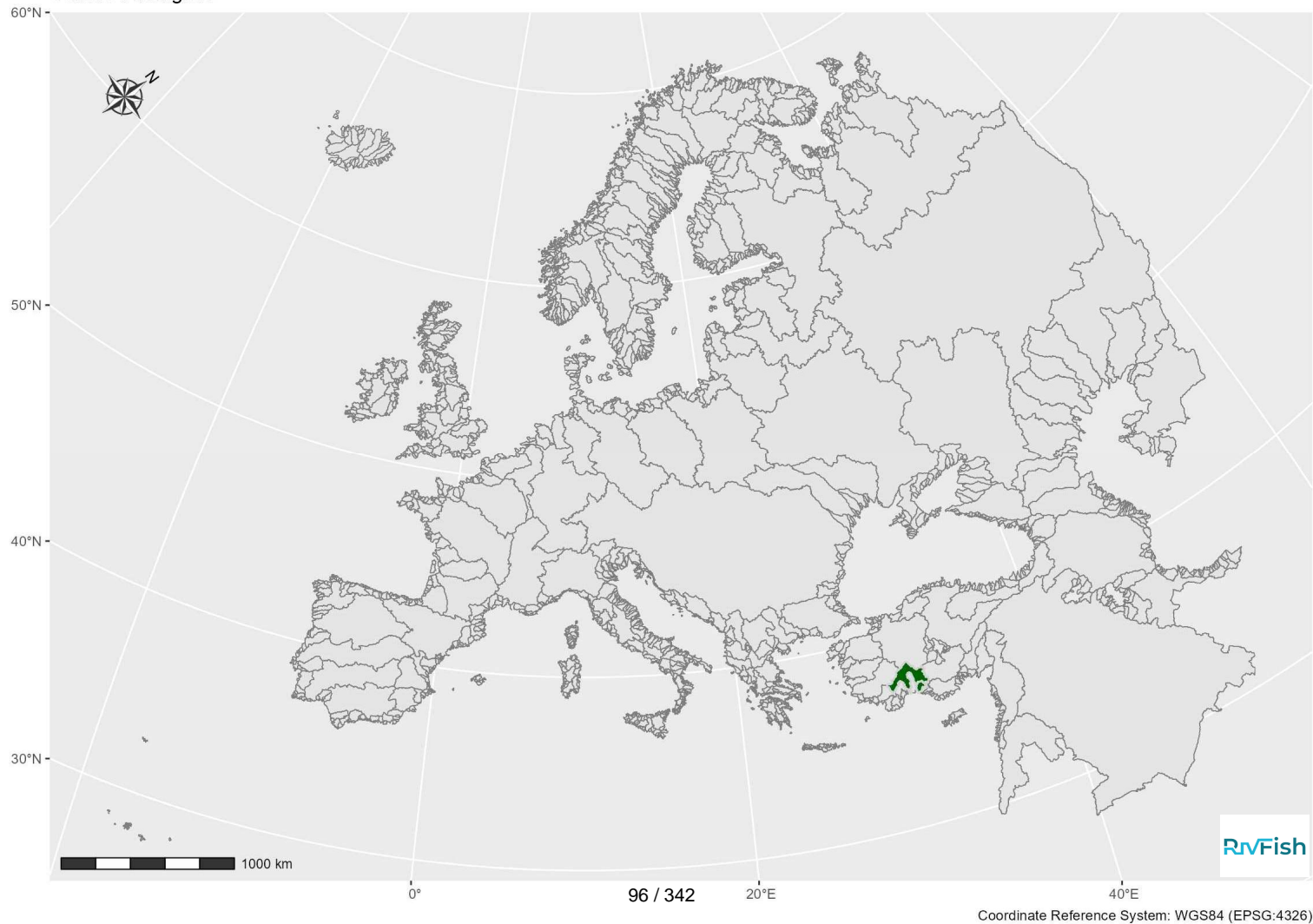
Clupeonella tscharchalensis



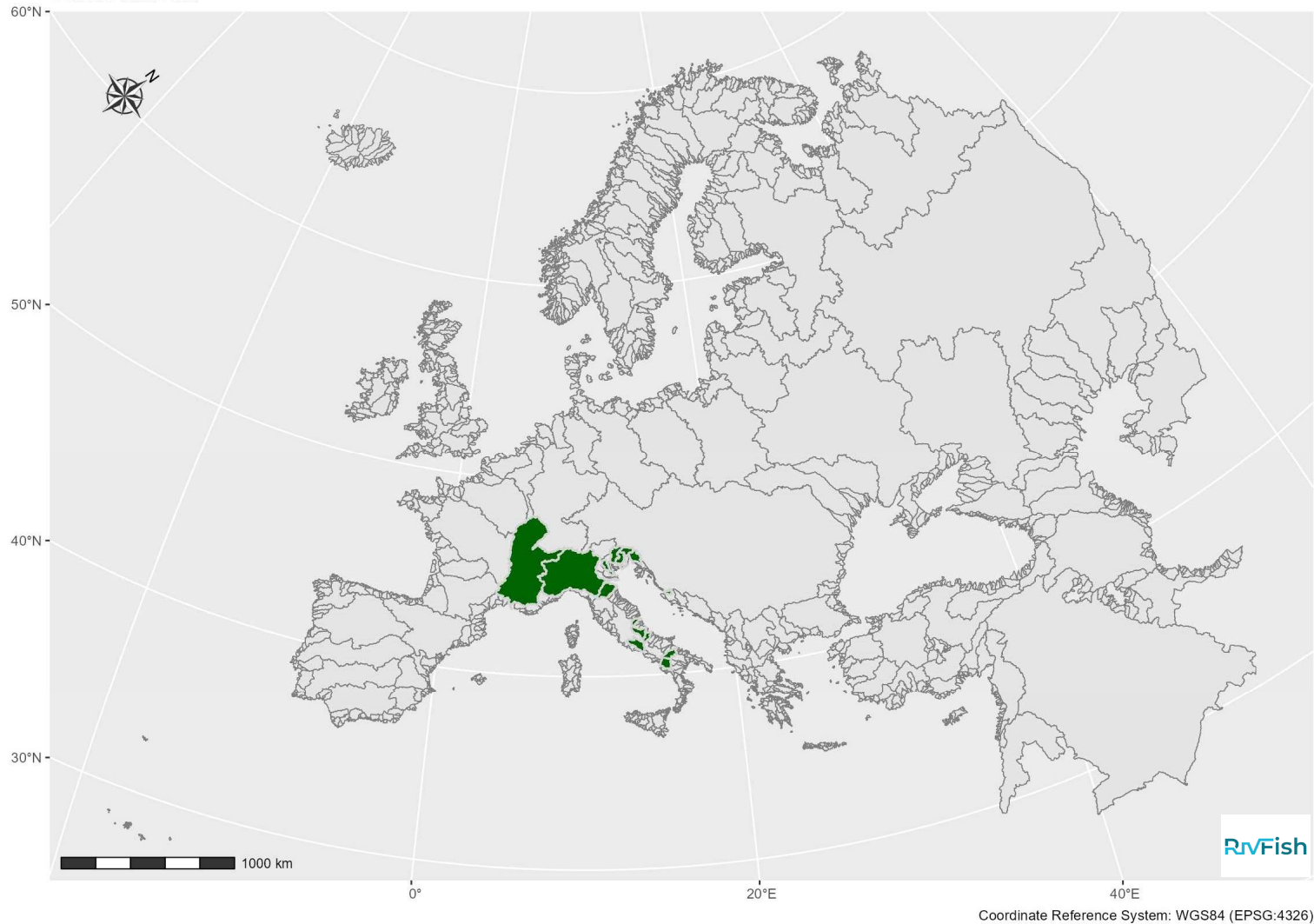
Cobitis arachthosensis



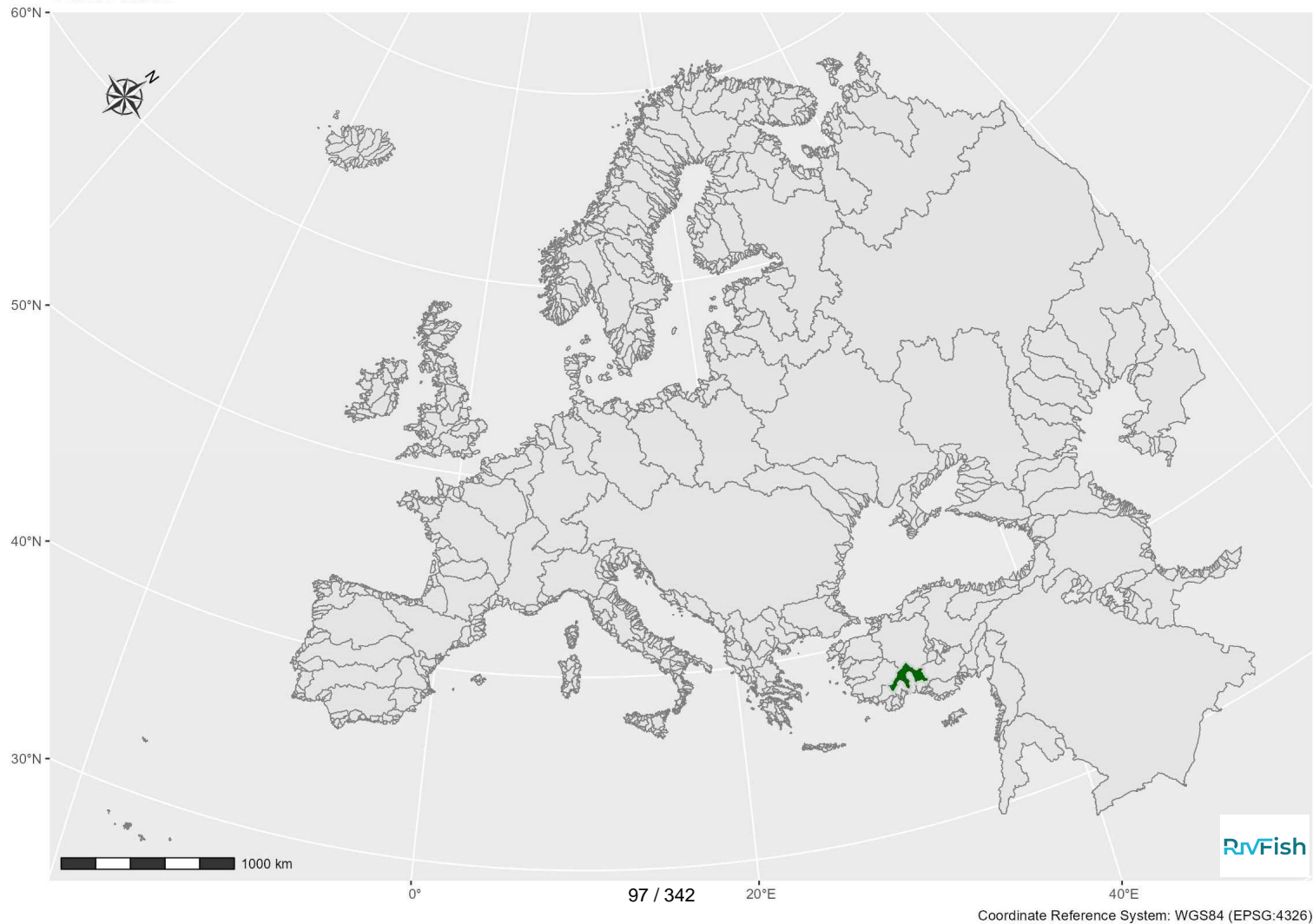
Cobitis battalgilae



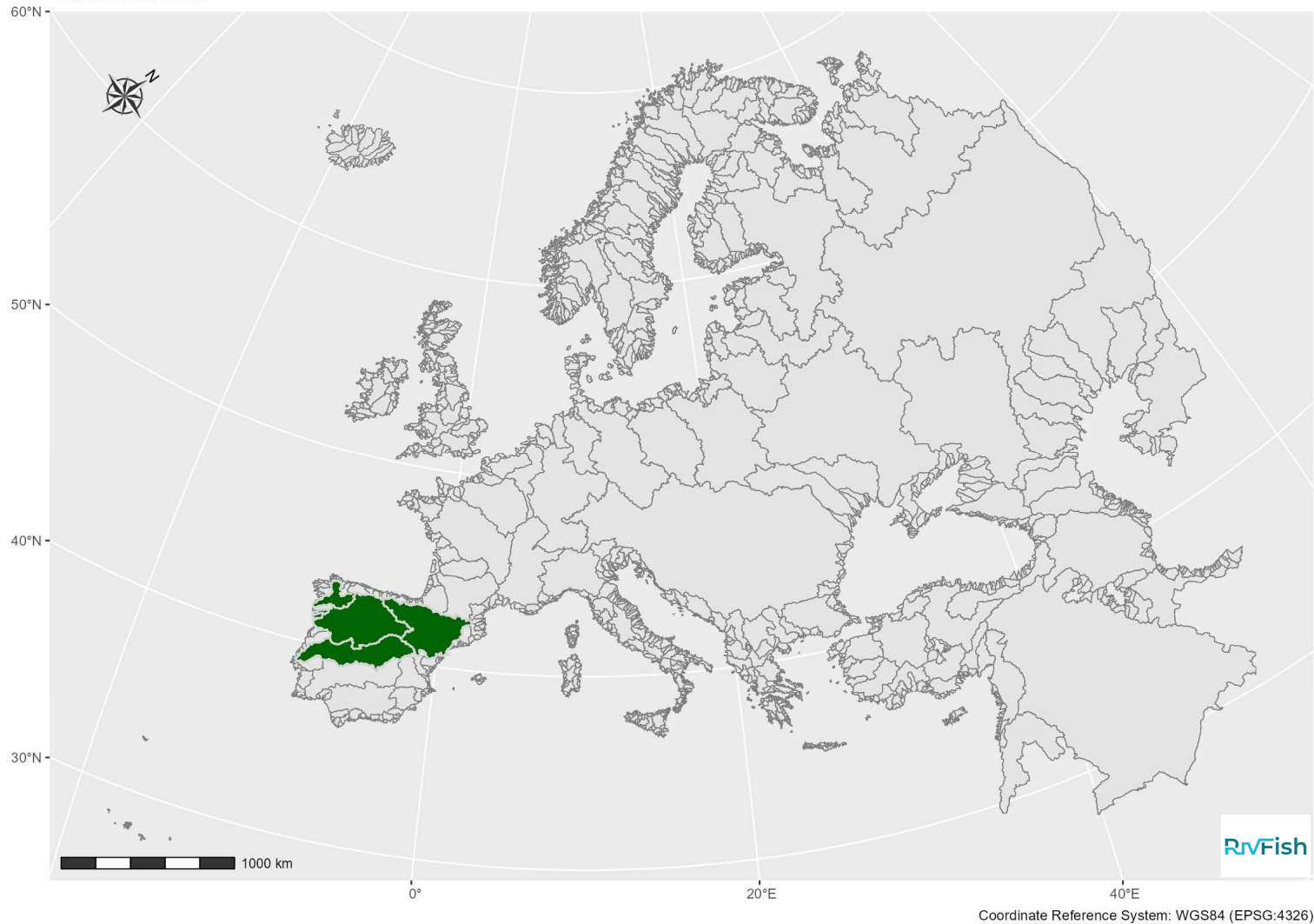
Cobitis bilineata



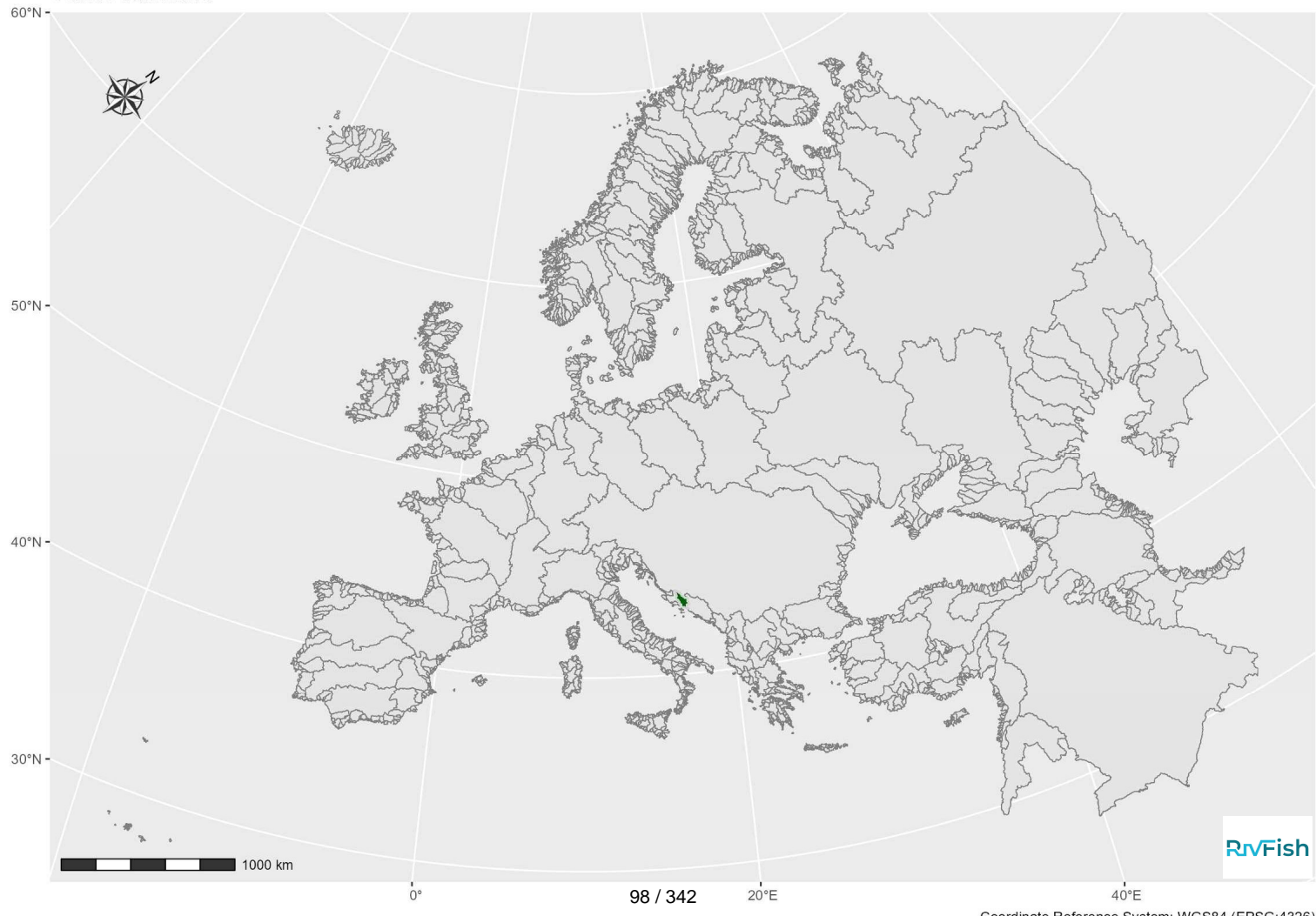
Cobitis bilseli



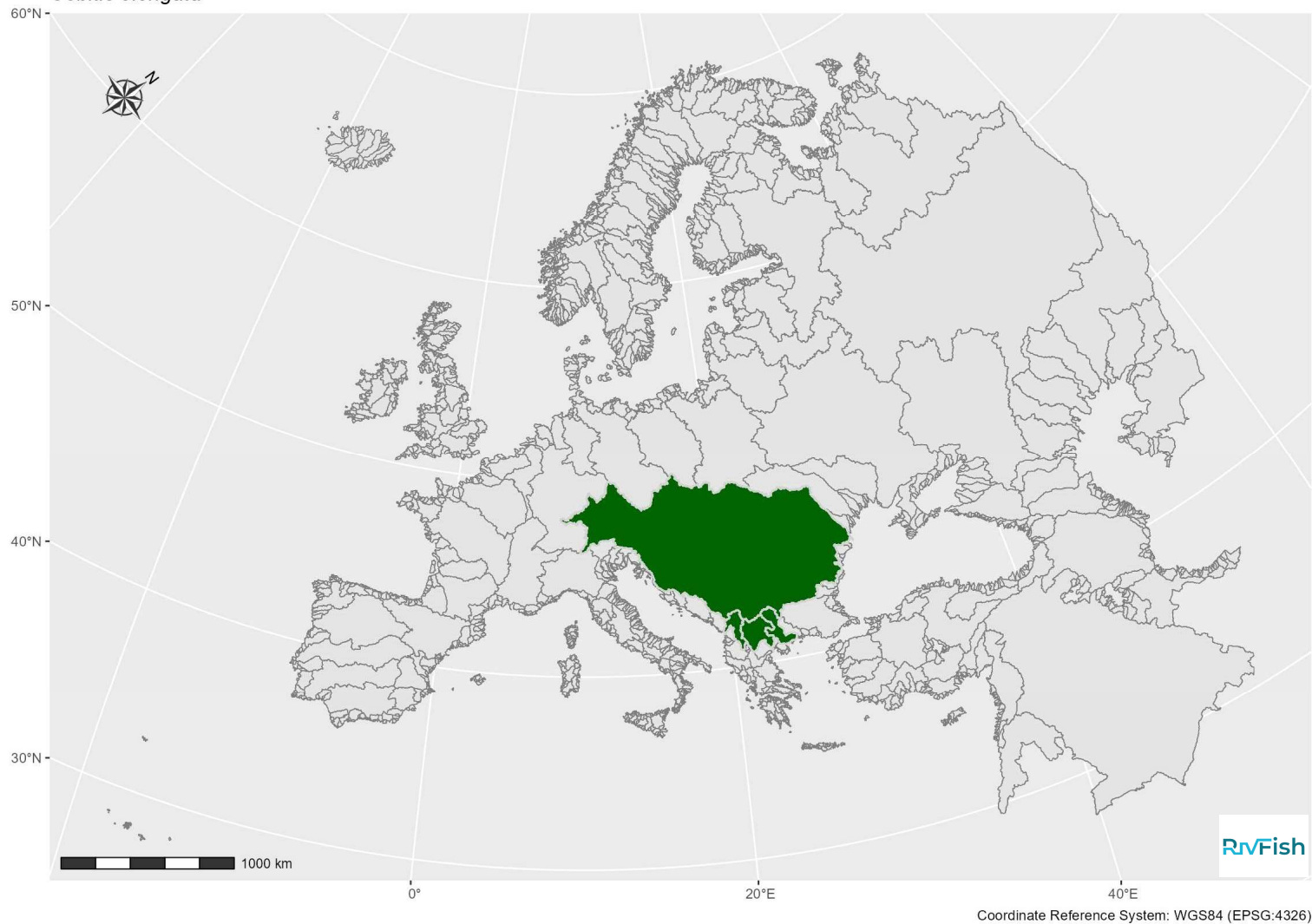
Cobitis calderoni



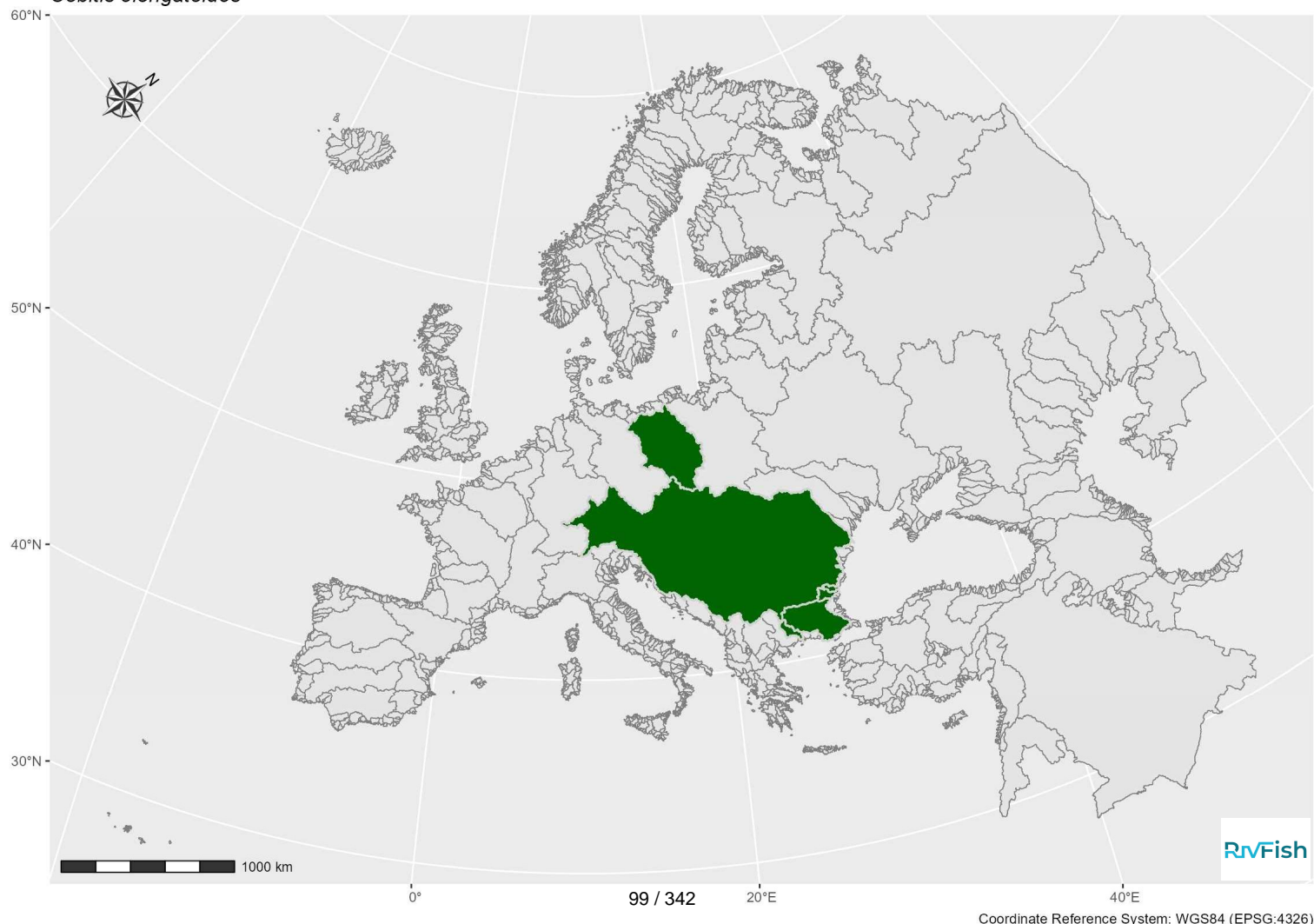
Cobitis dalmatina



Cobitis elongata



Cobitis elongatoides



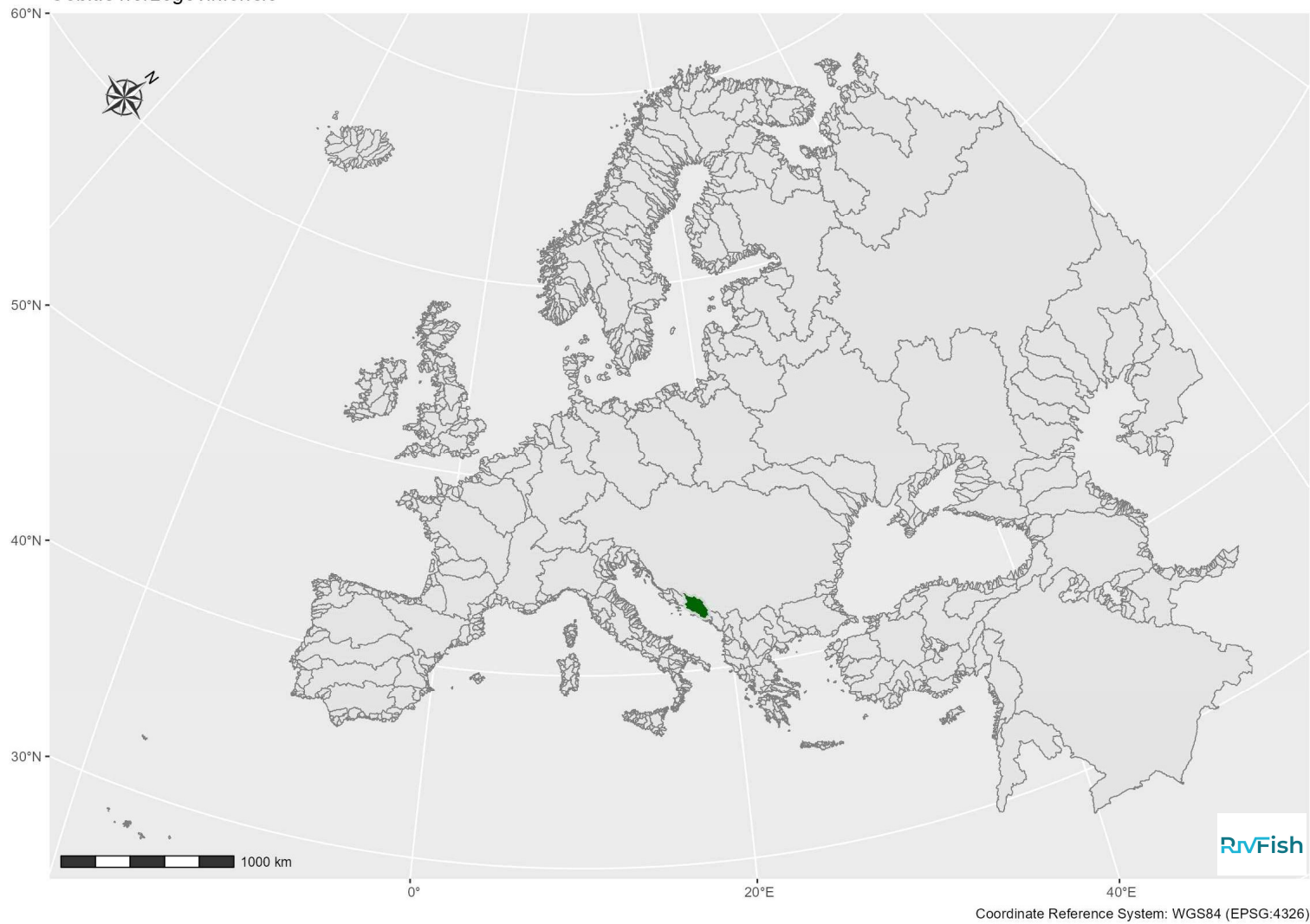
Cobitis evreni



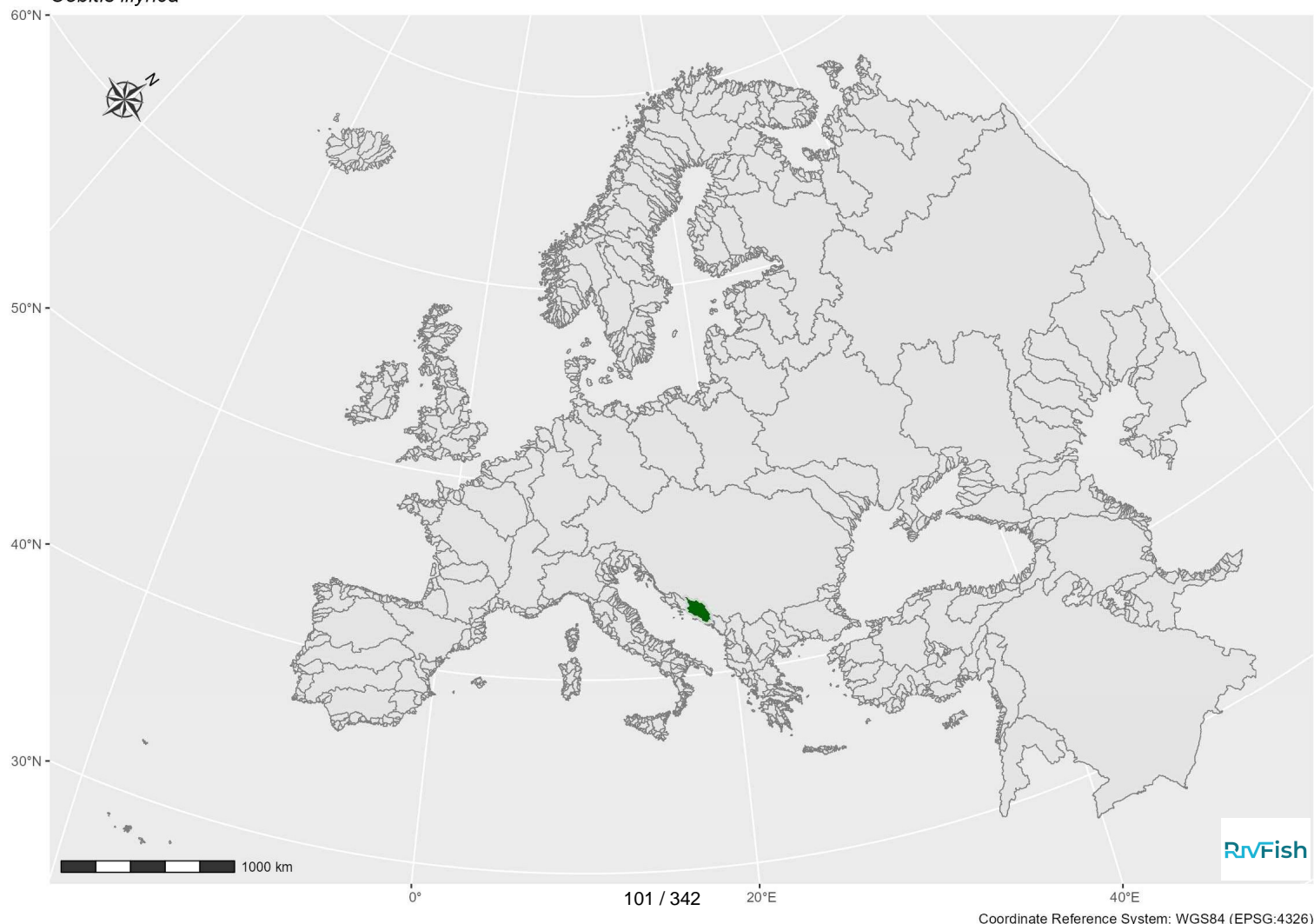
Cobitis hellenica



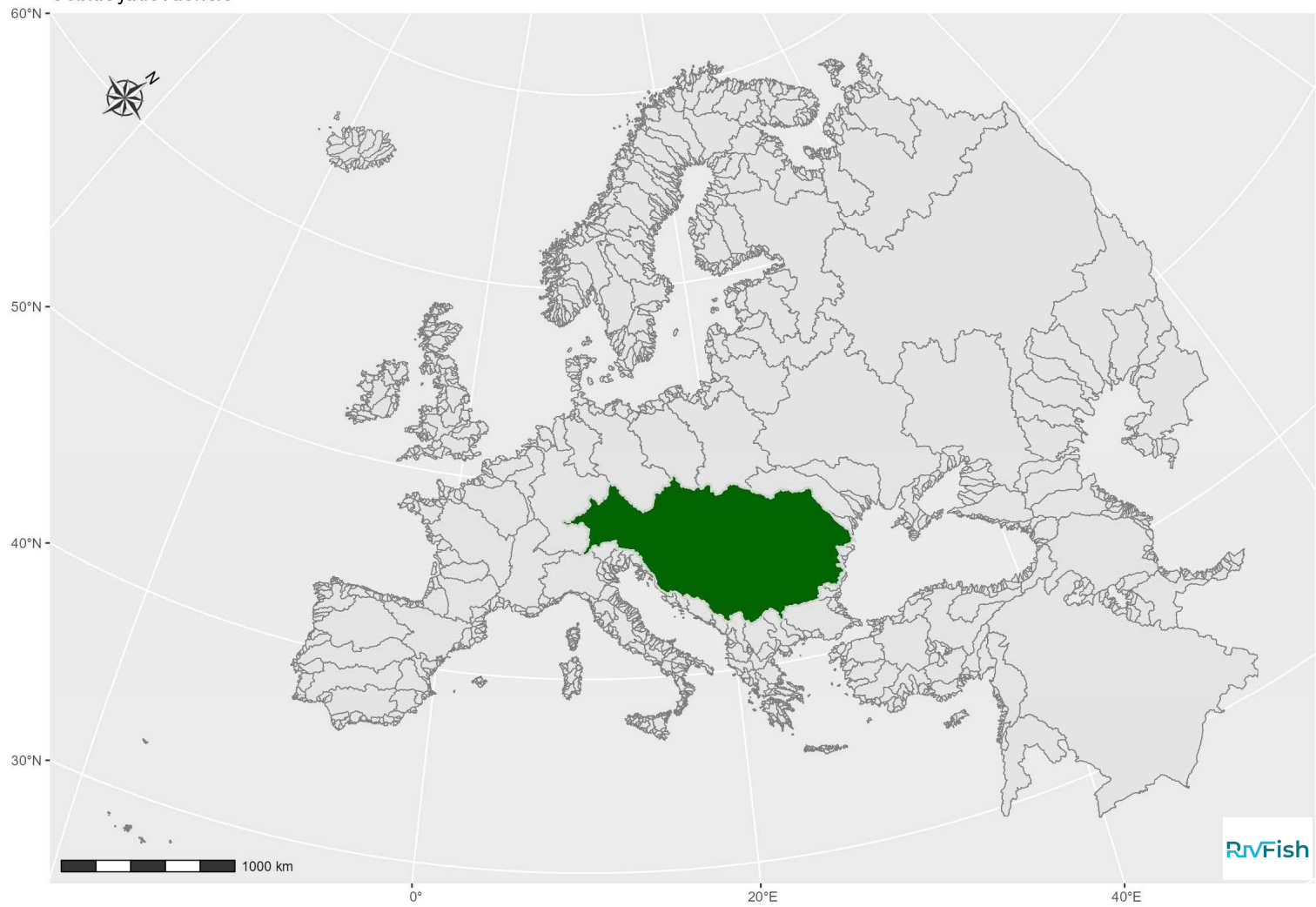
Cobitis herzegoviniensis



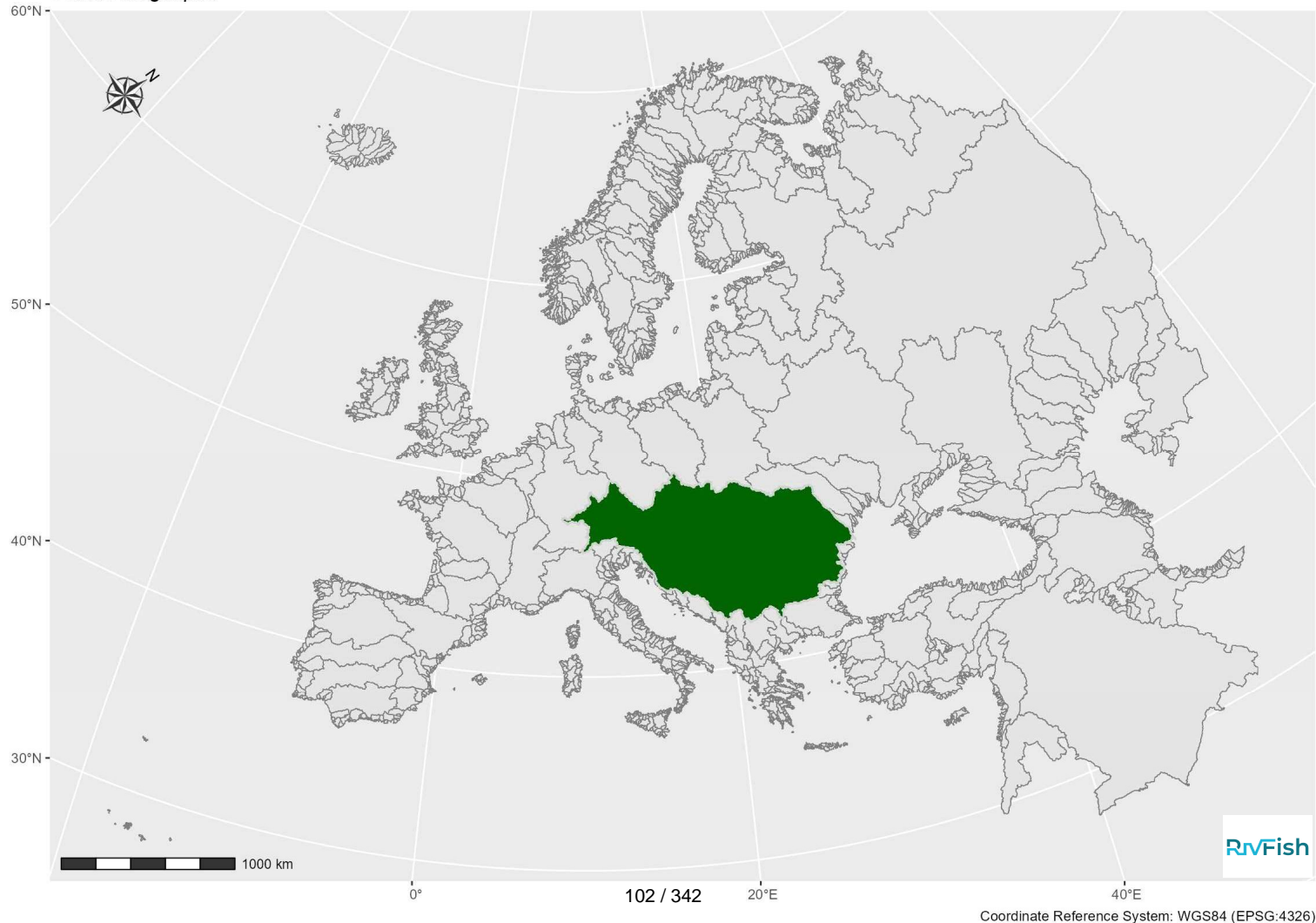
Cobitis illyrica



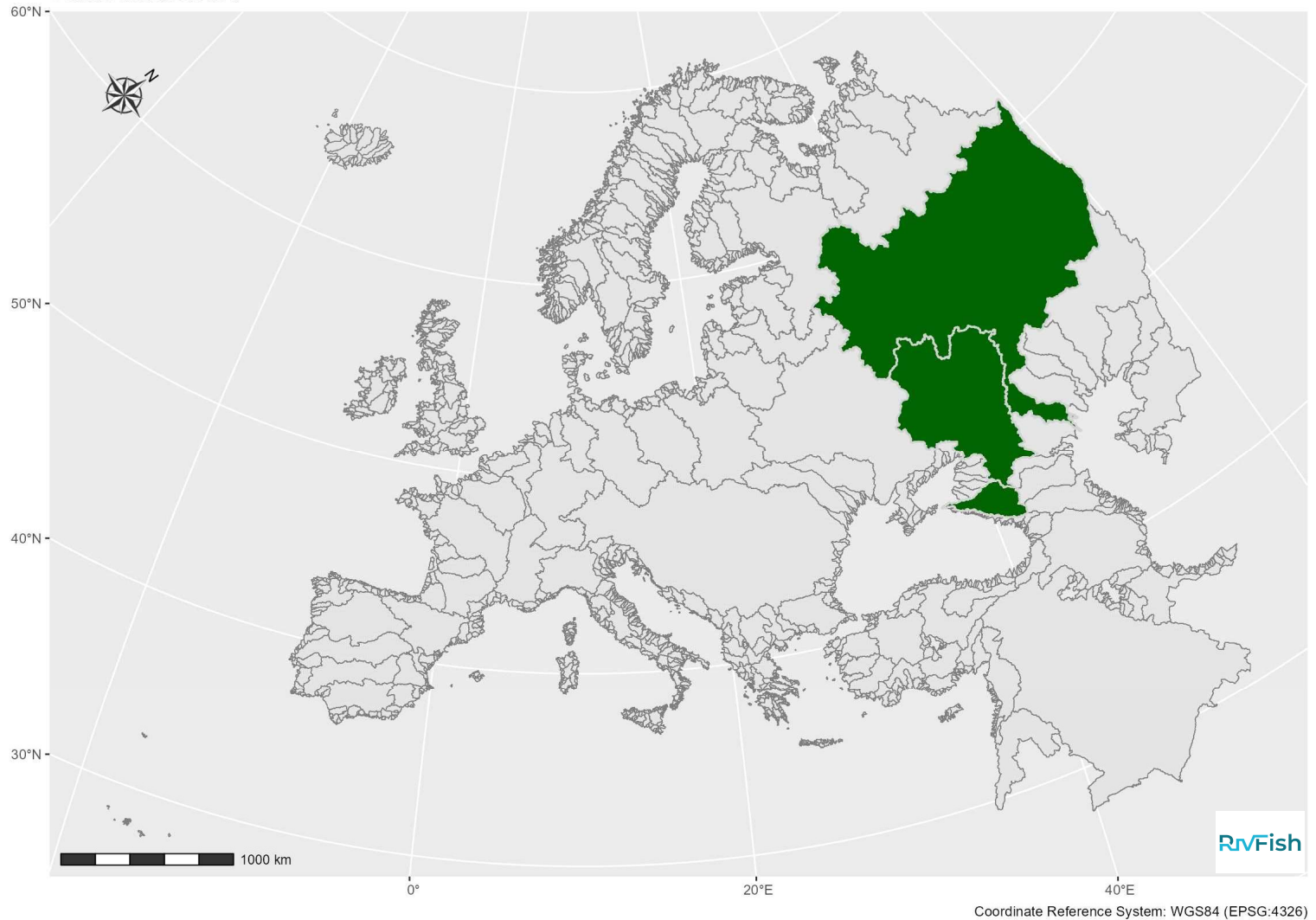
Cobitis jadovaensis



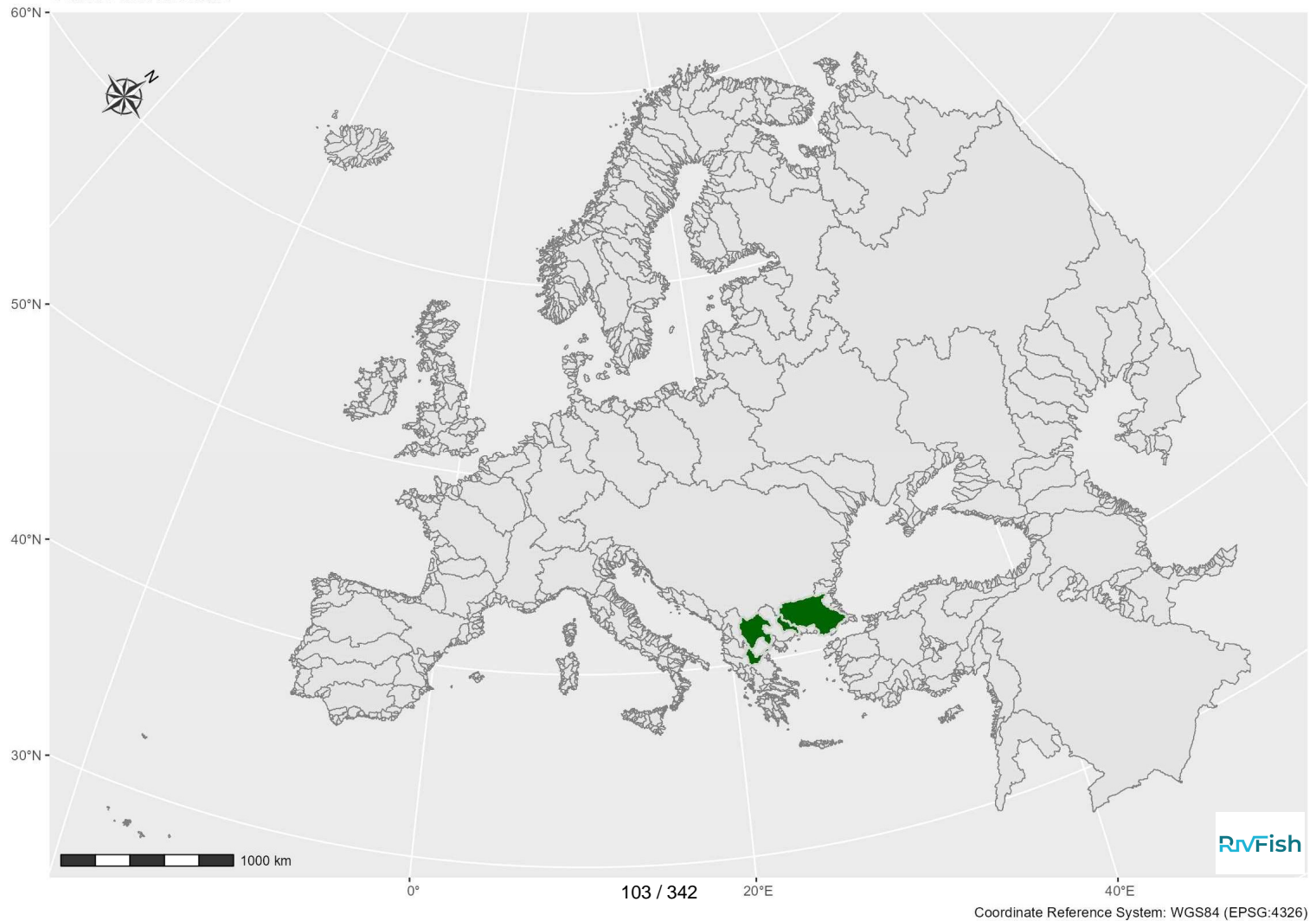
Cobitis megaspila



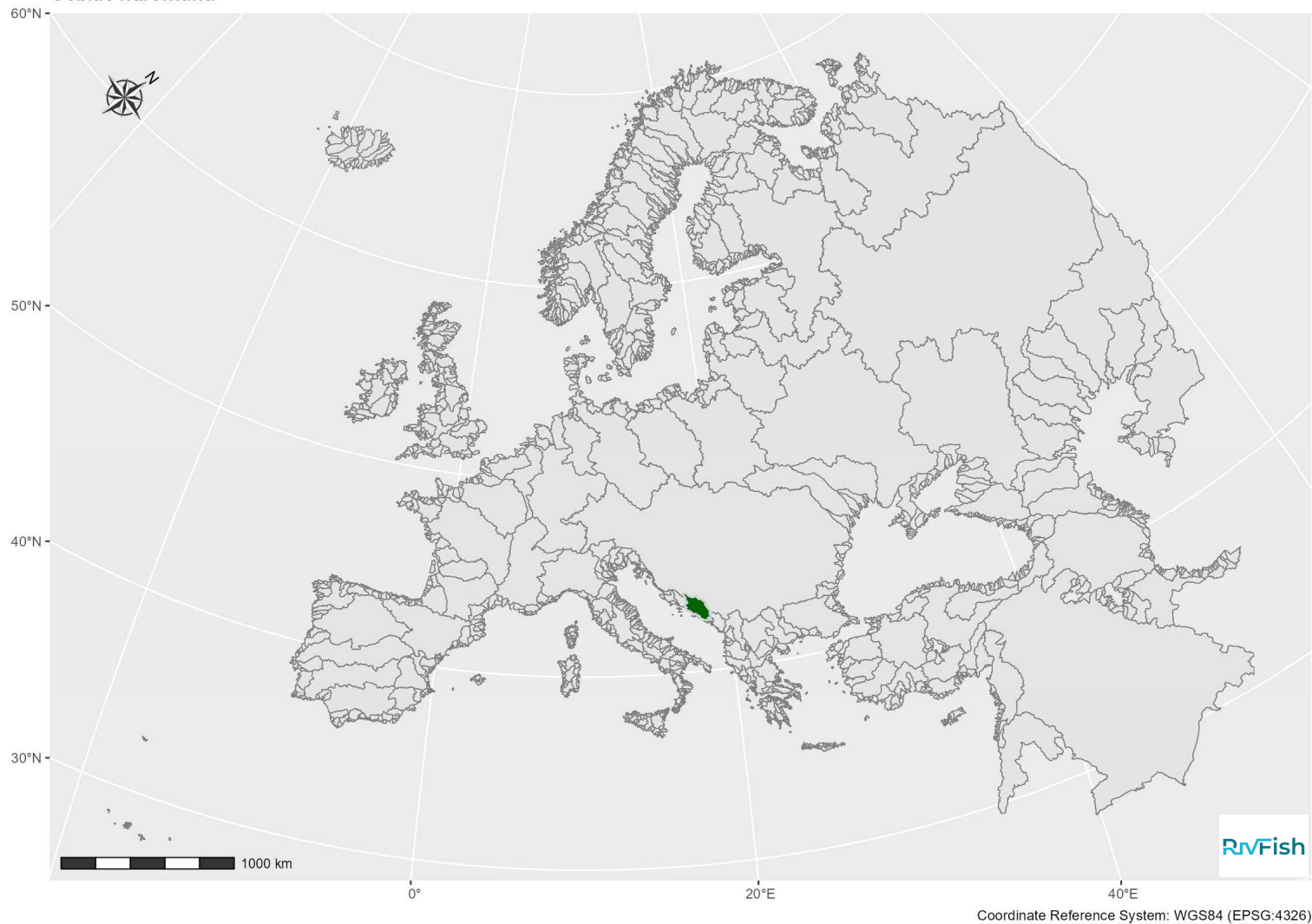
Cobitis melanoleuca



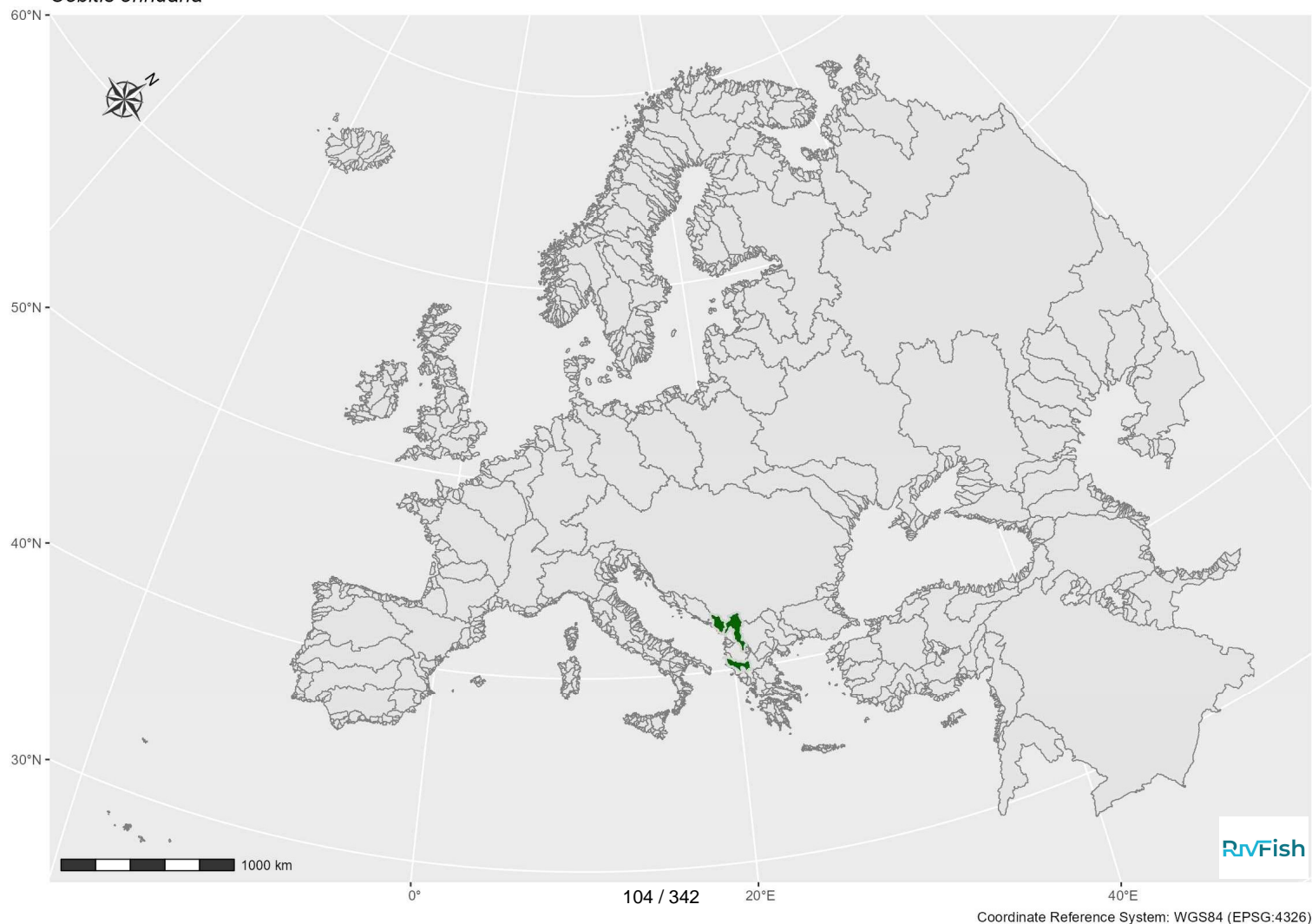
Cobitis meridionalis



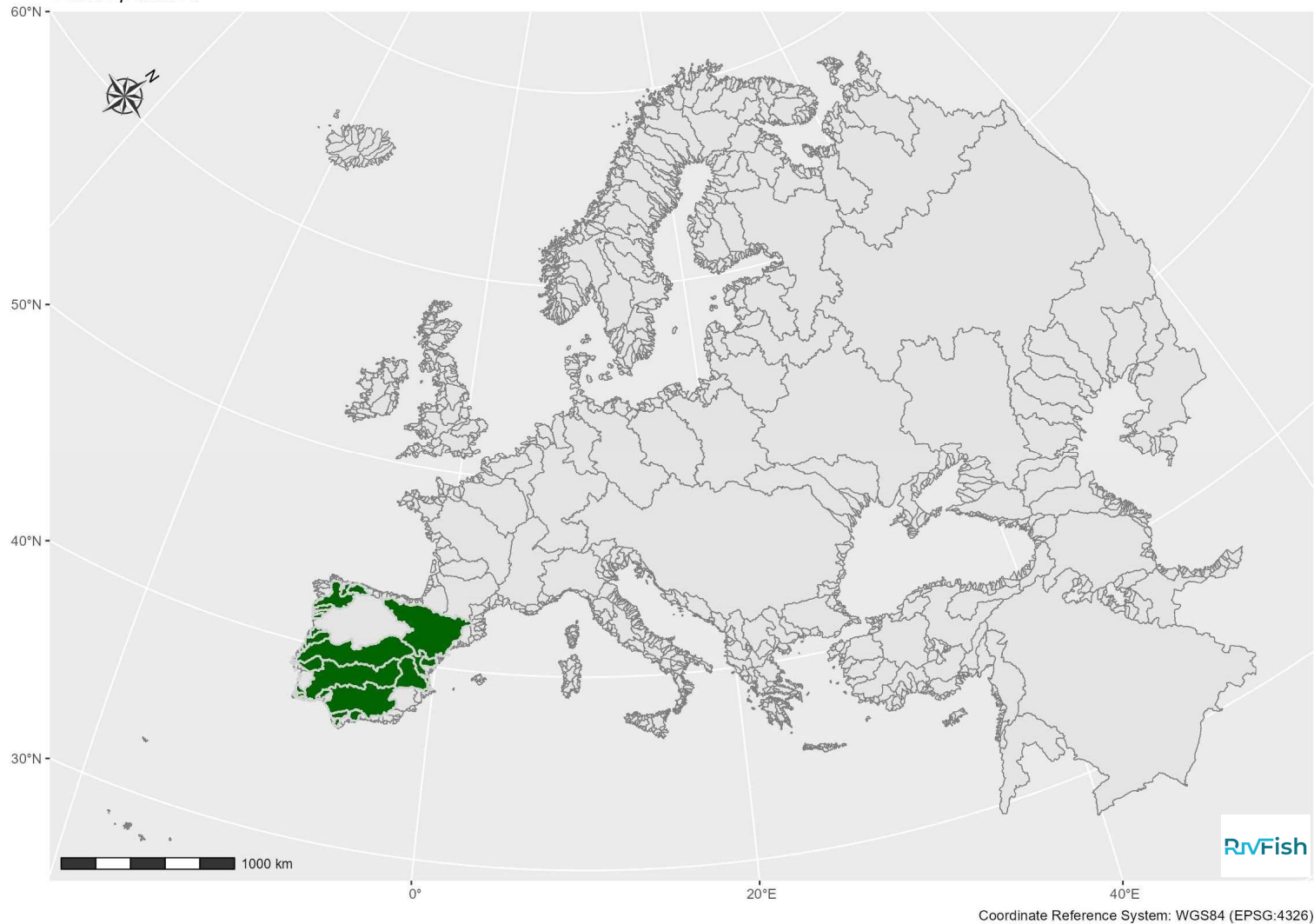
Cobitis narentana



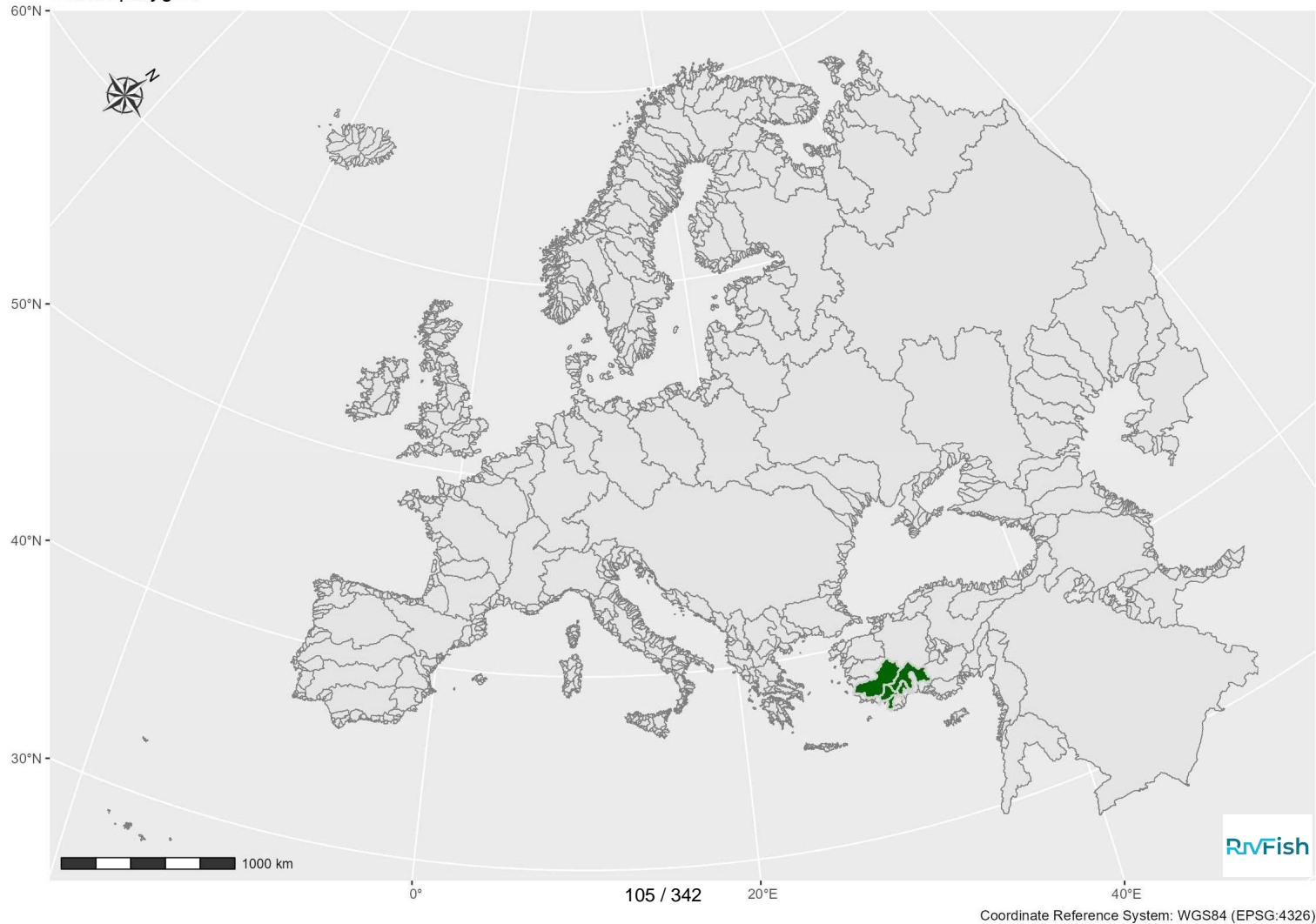
Cobitis ohridana



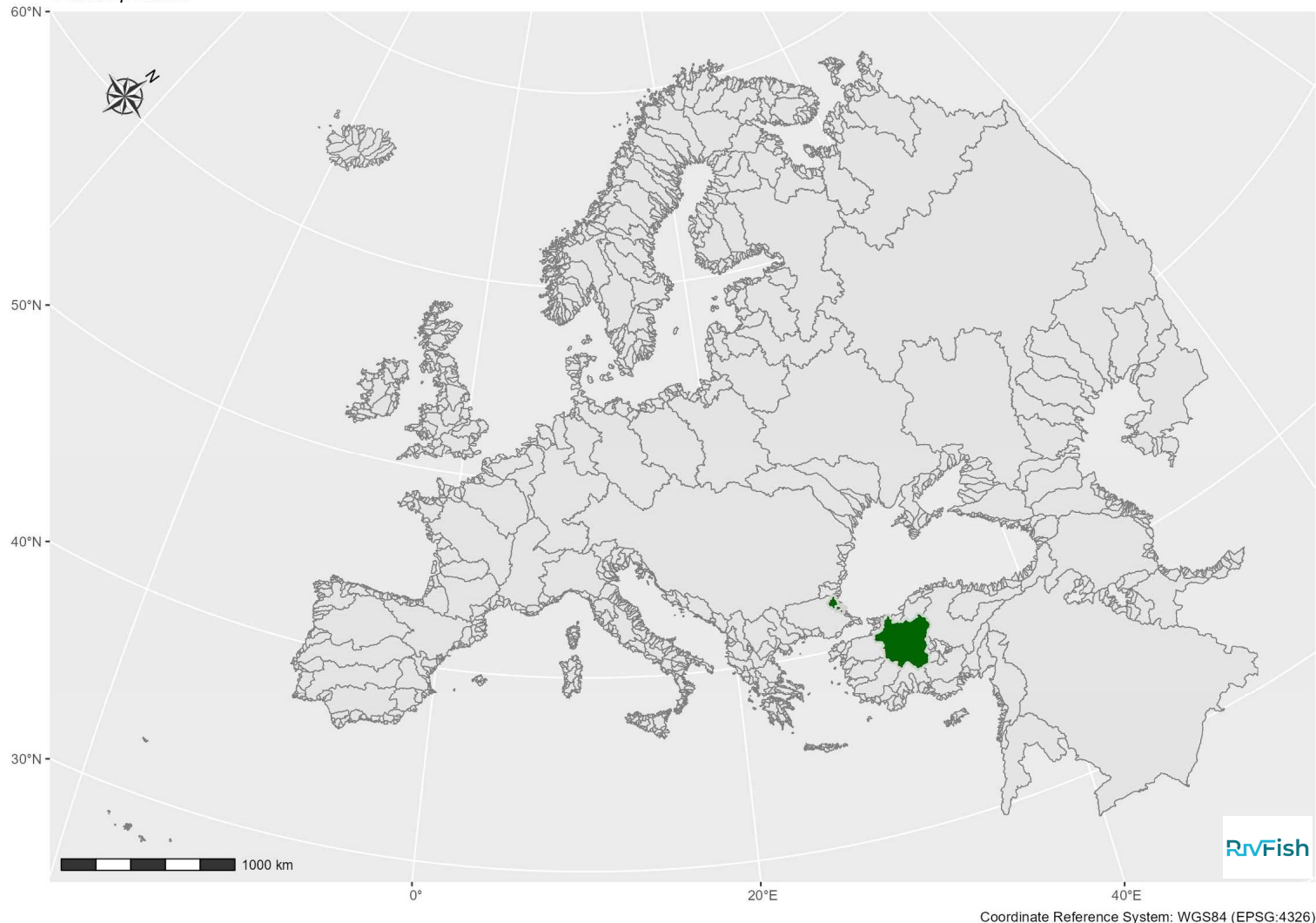
Cobitis paludica



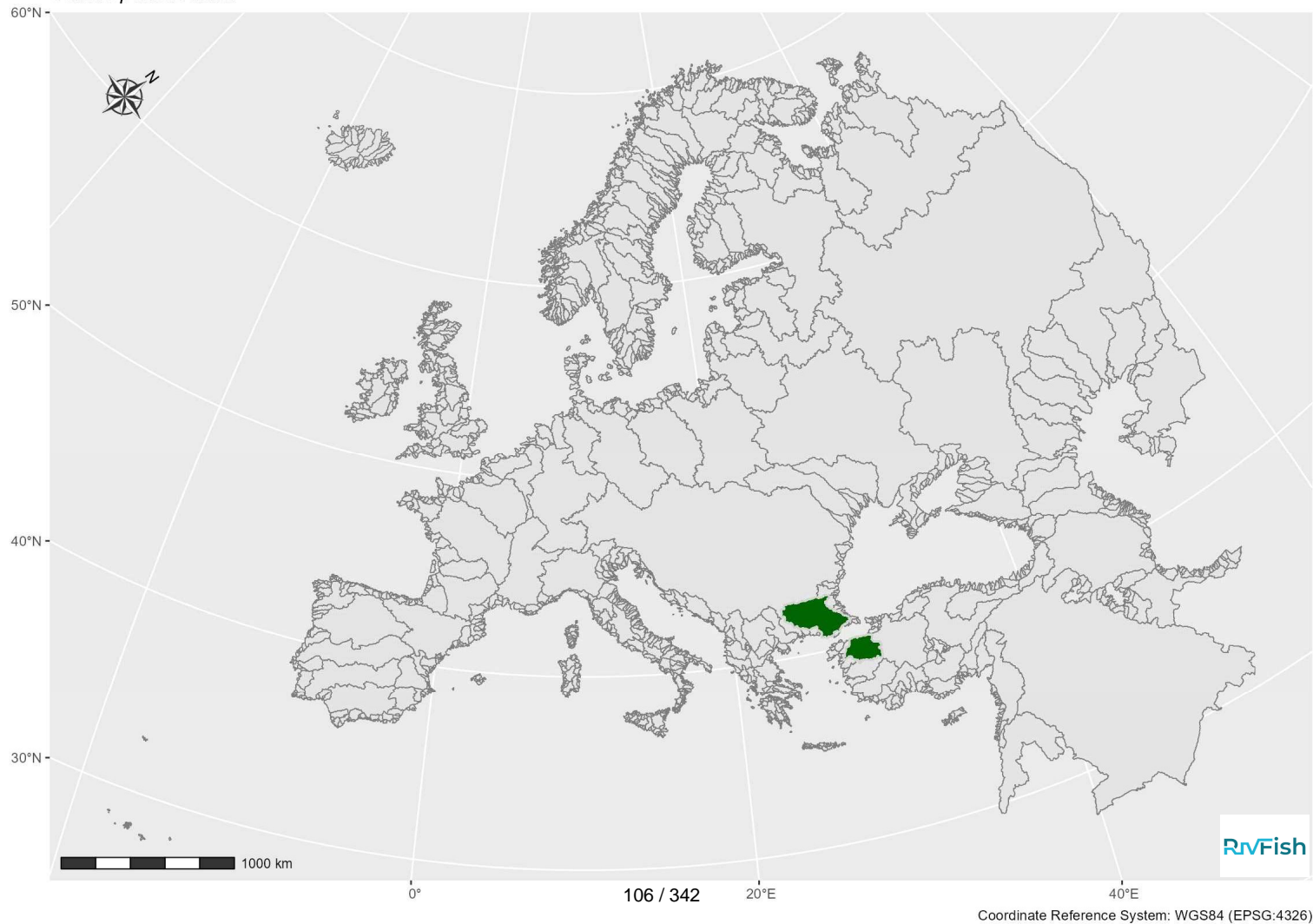
Cobitis phrygica



Cobitis pontica



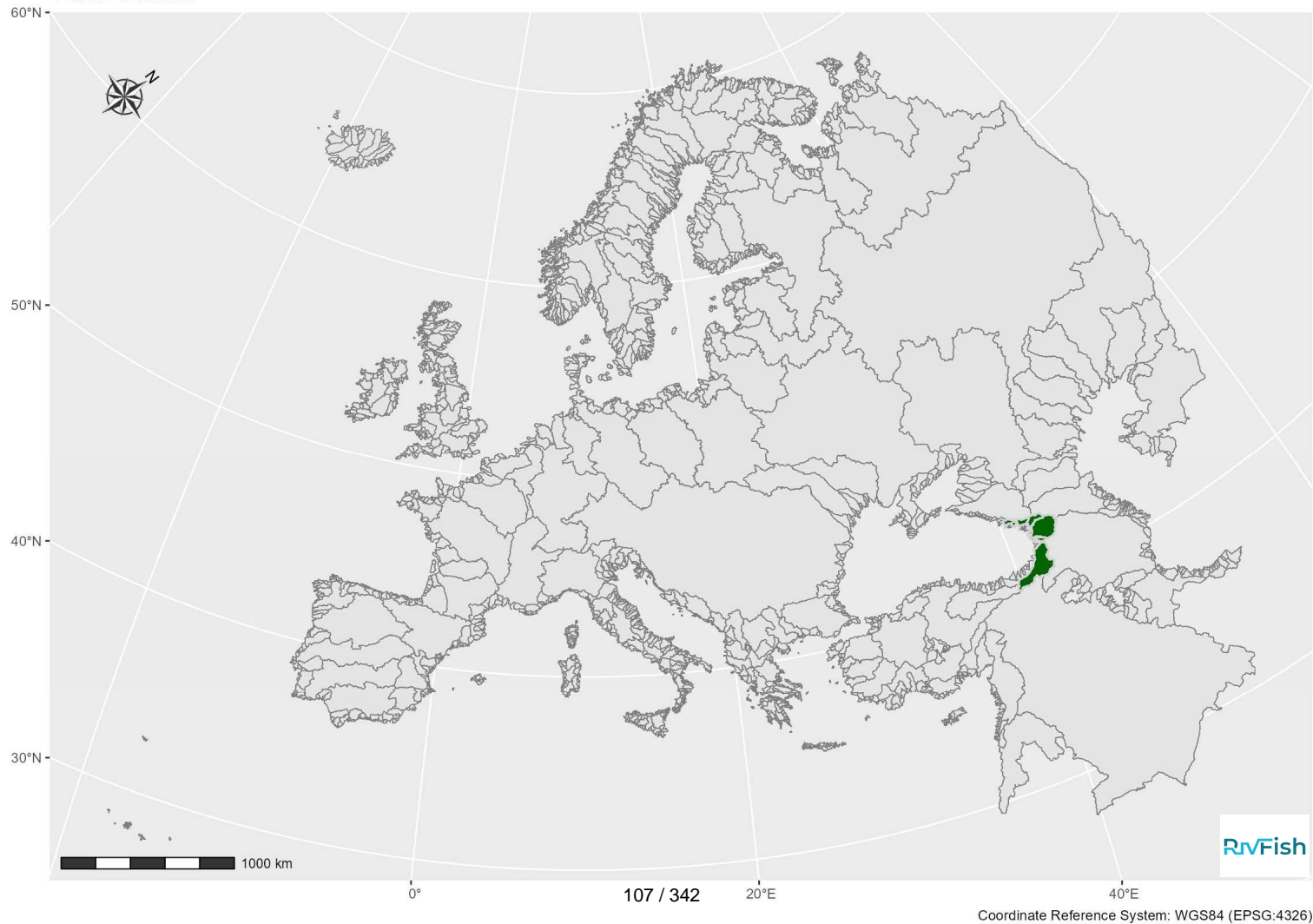
Cobitis puncticulata



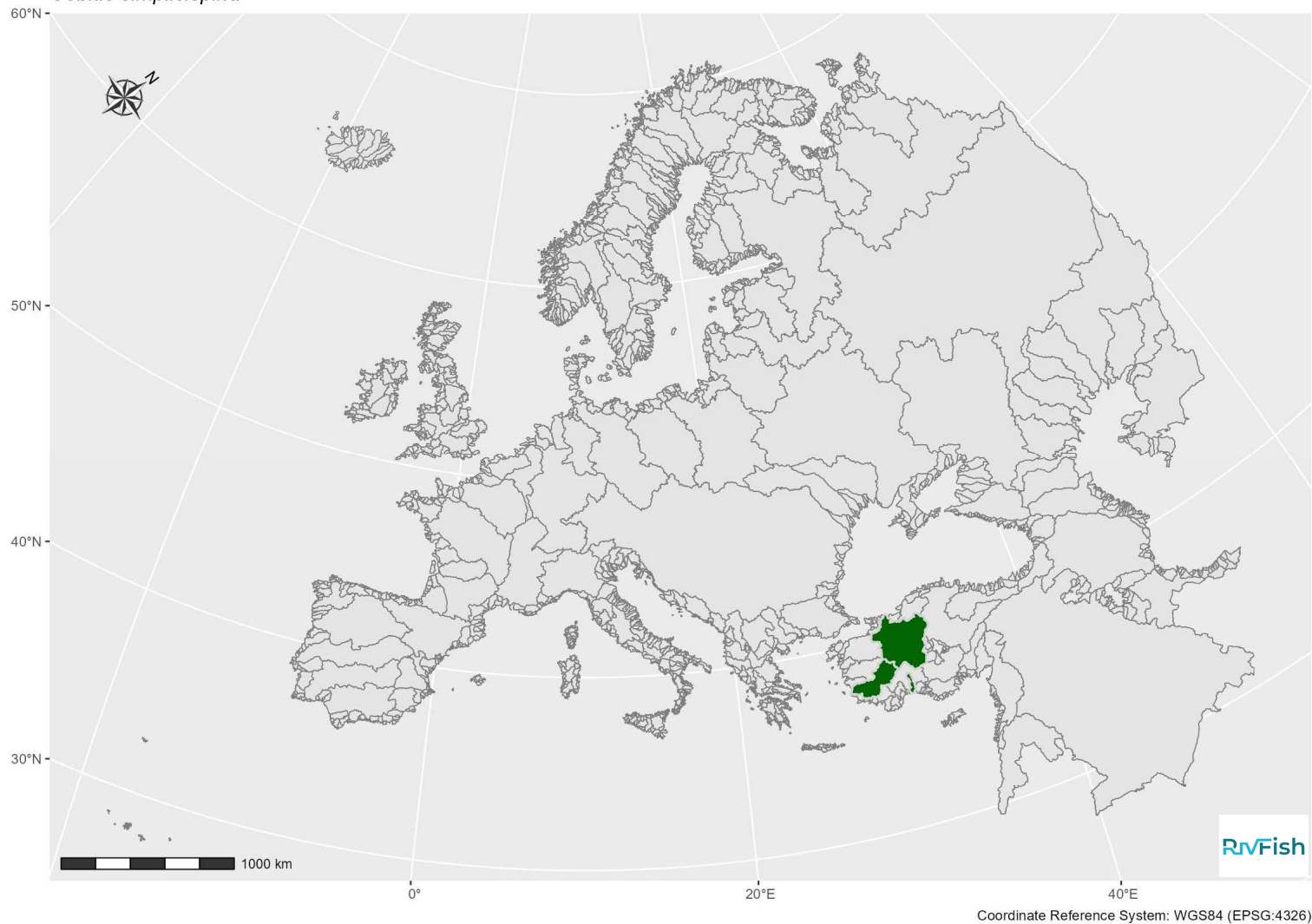
Cobitis punctilineata



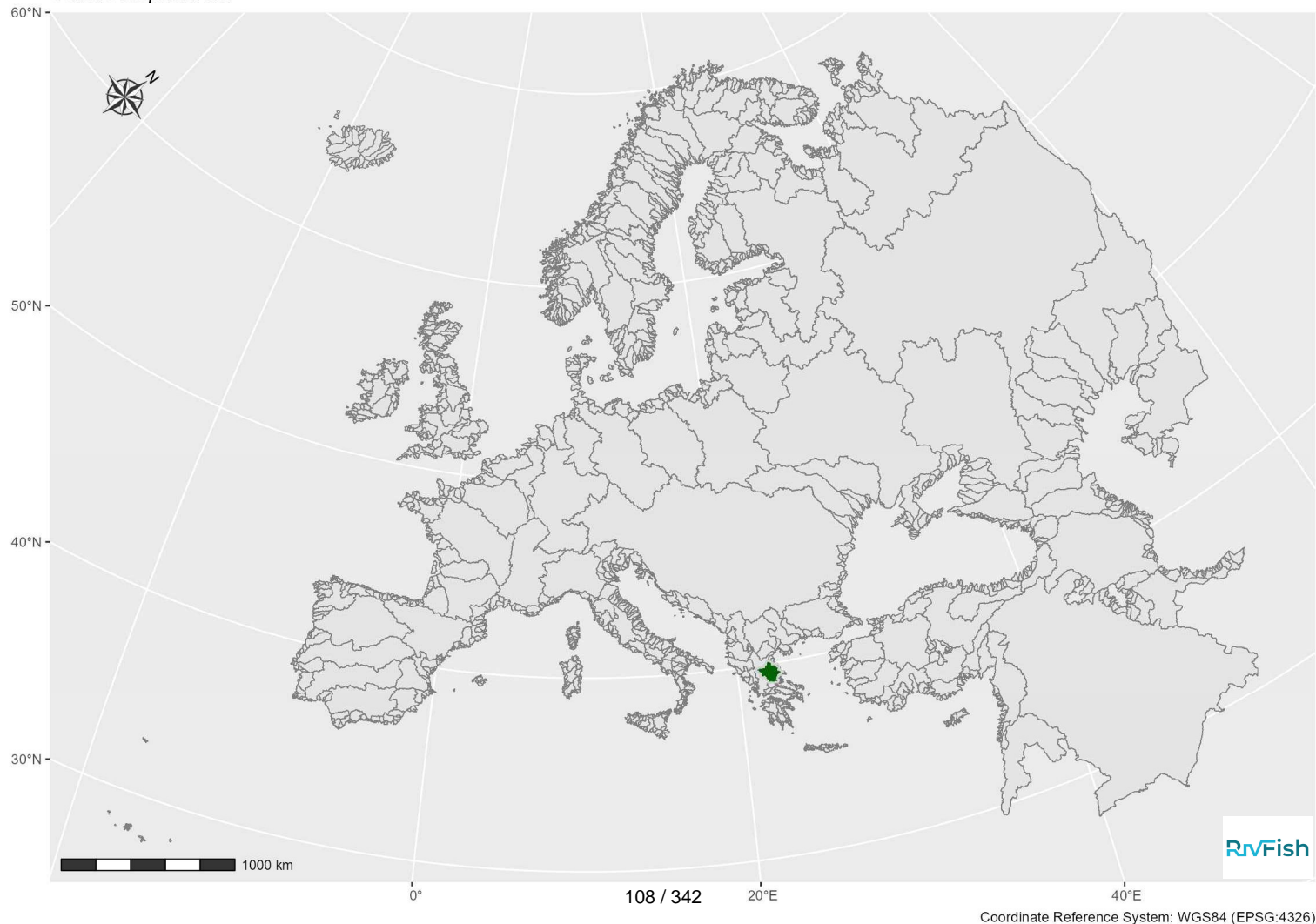
Cobitis satunini



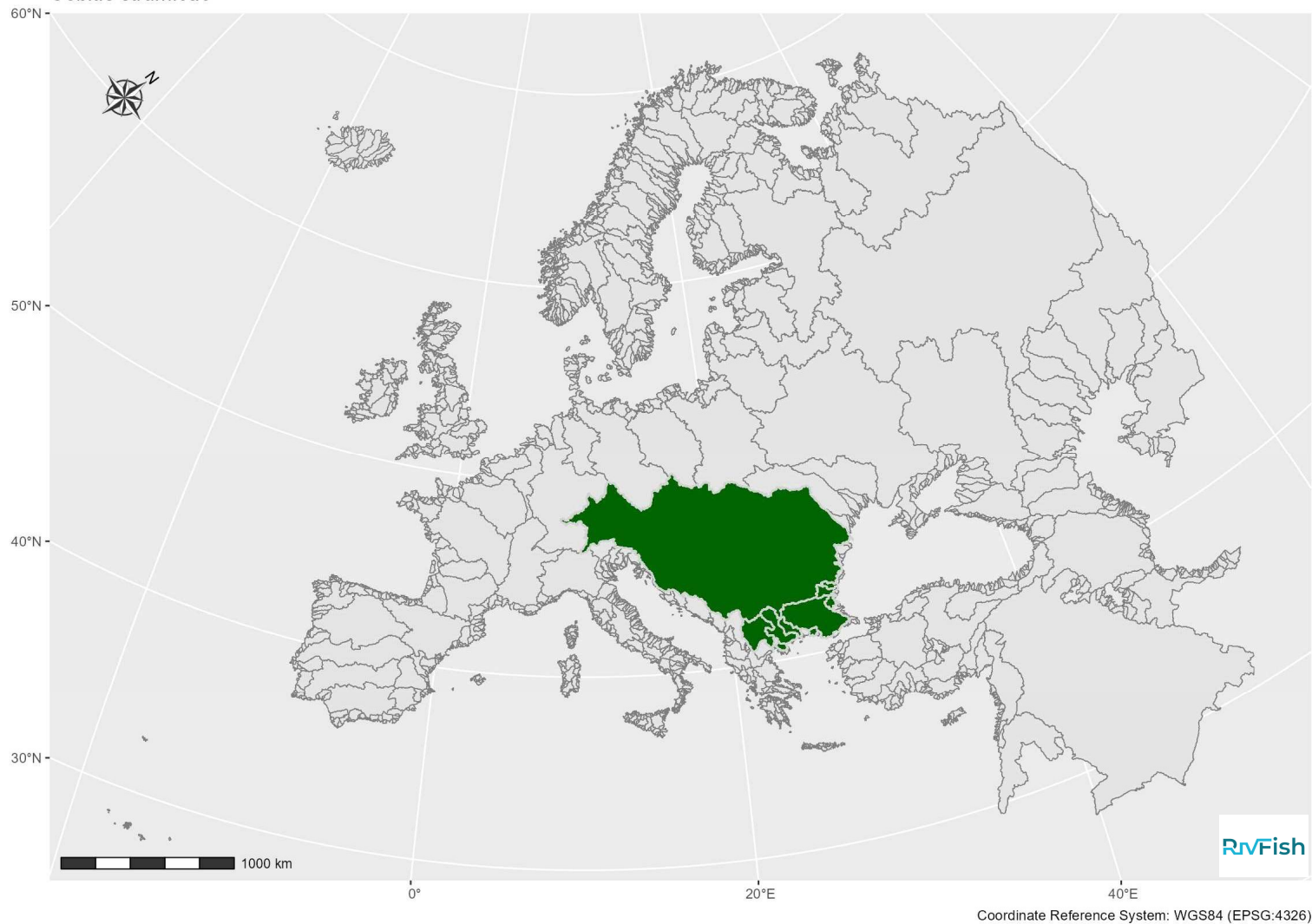
Cobitis simplicispina



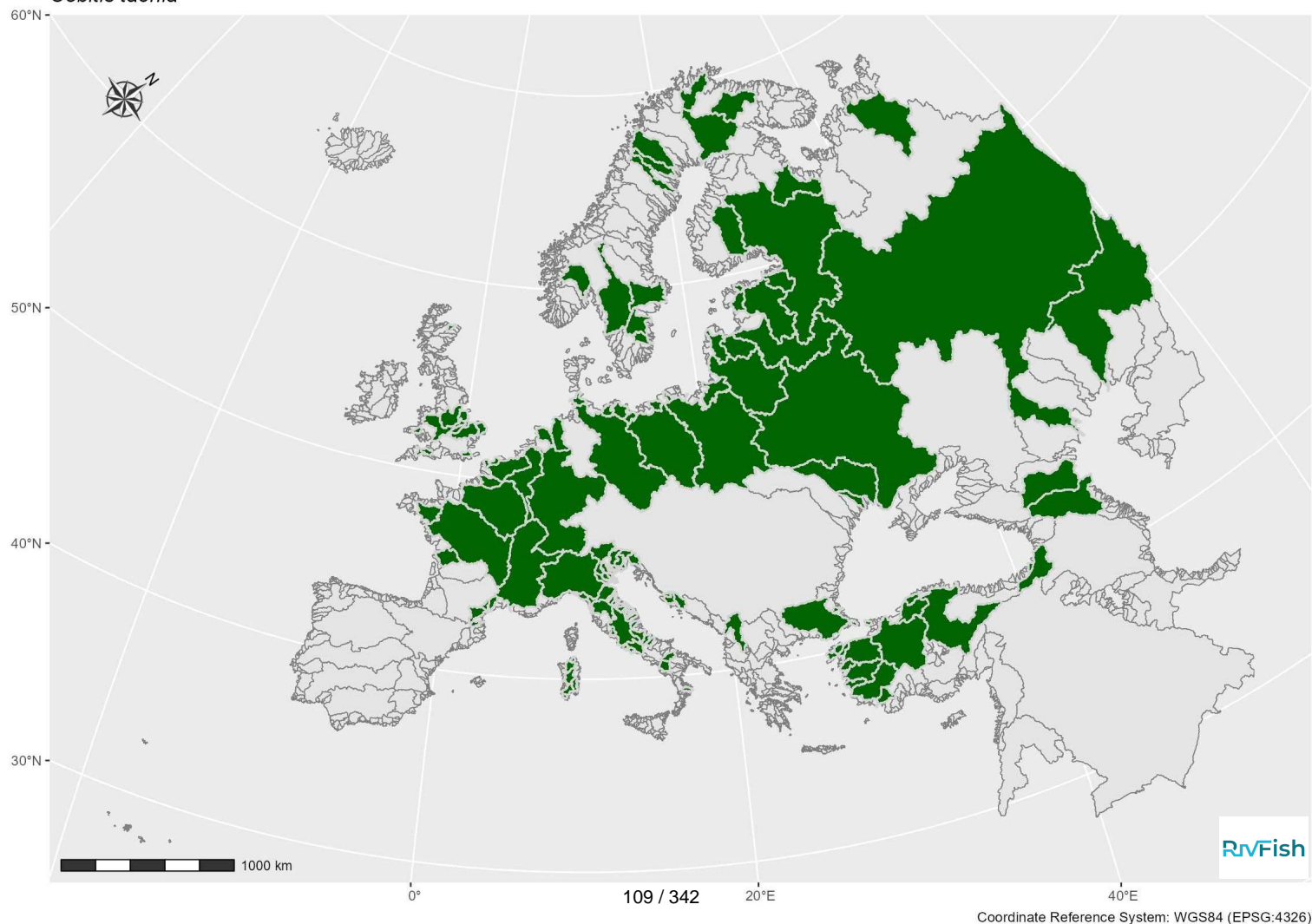
Cobitis stephanidisi



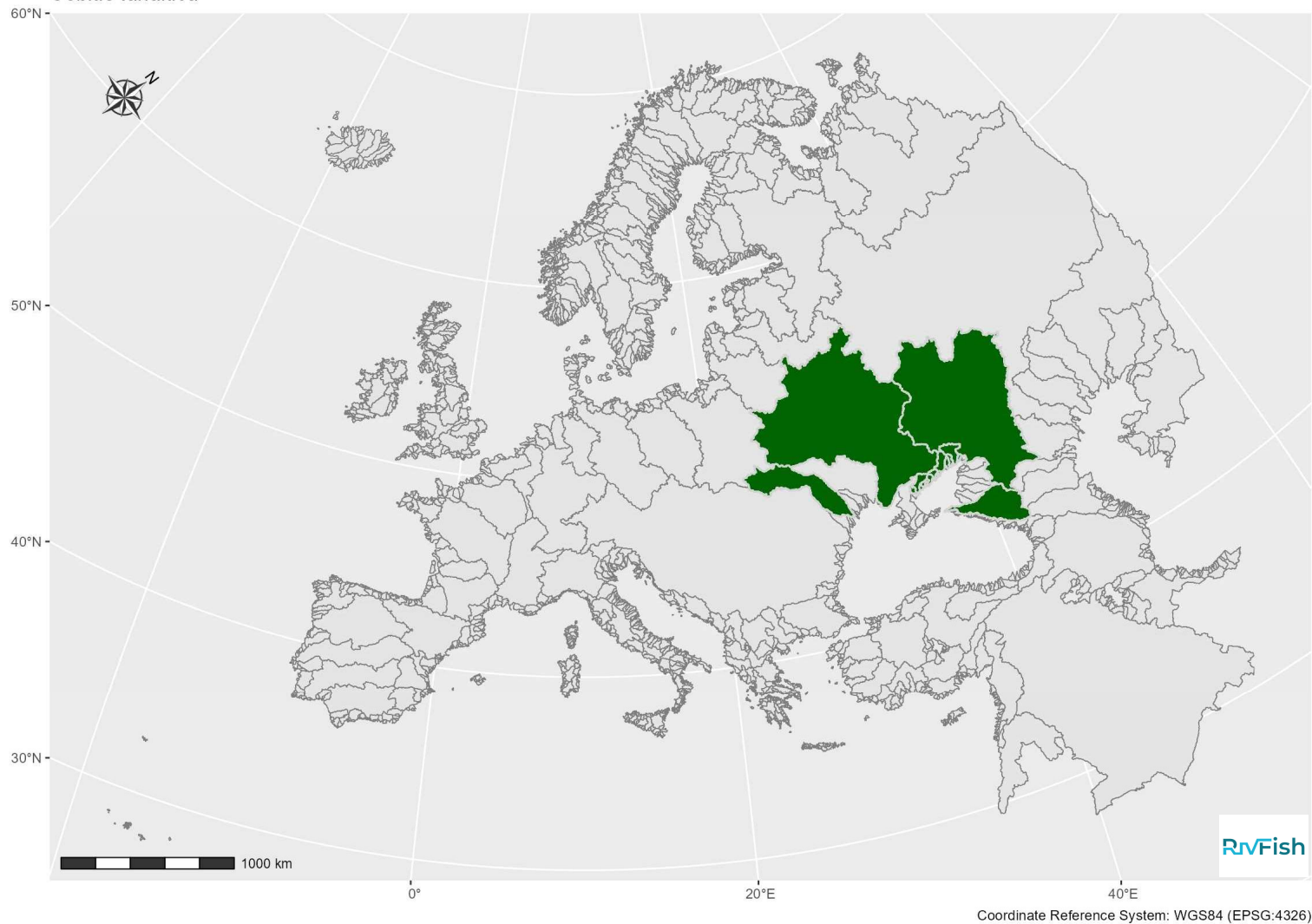
Cobitis strumicae



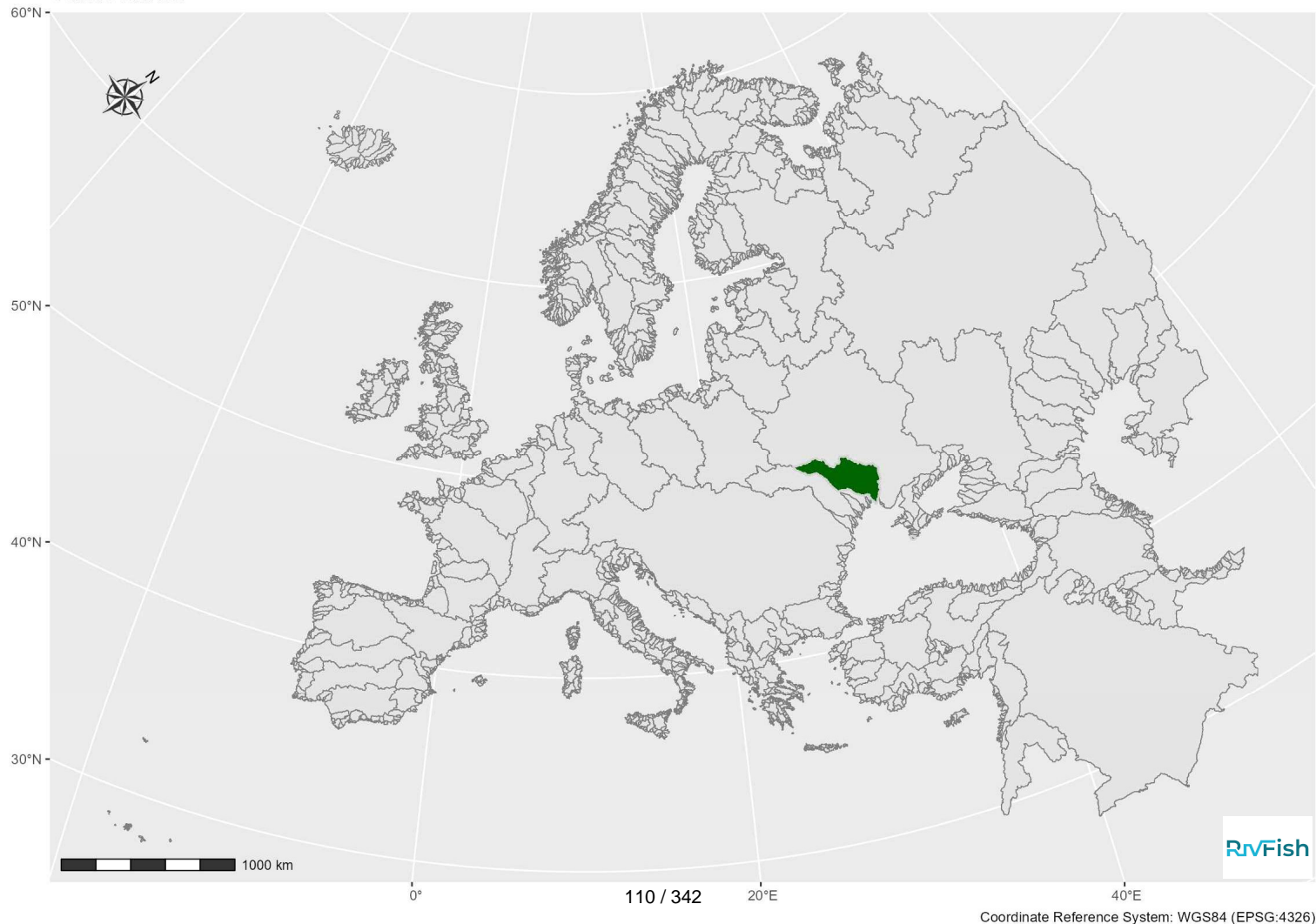
Cobitis taenia



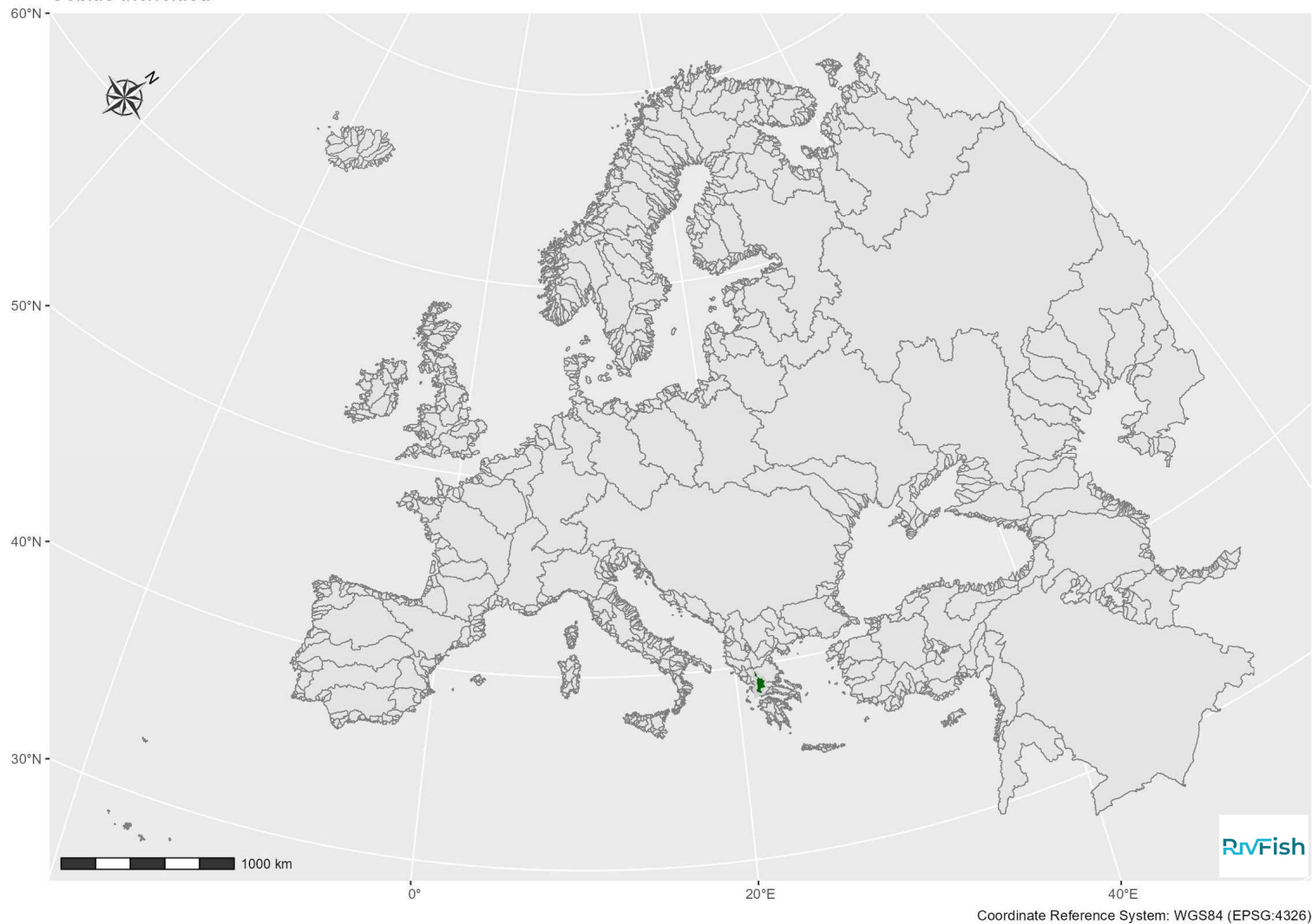
Cobitis tanaitica



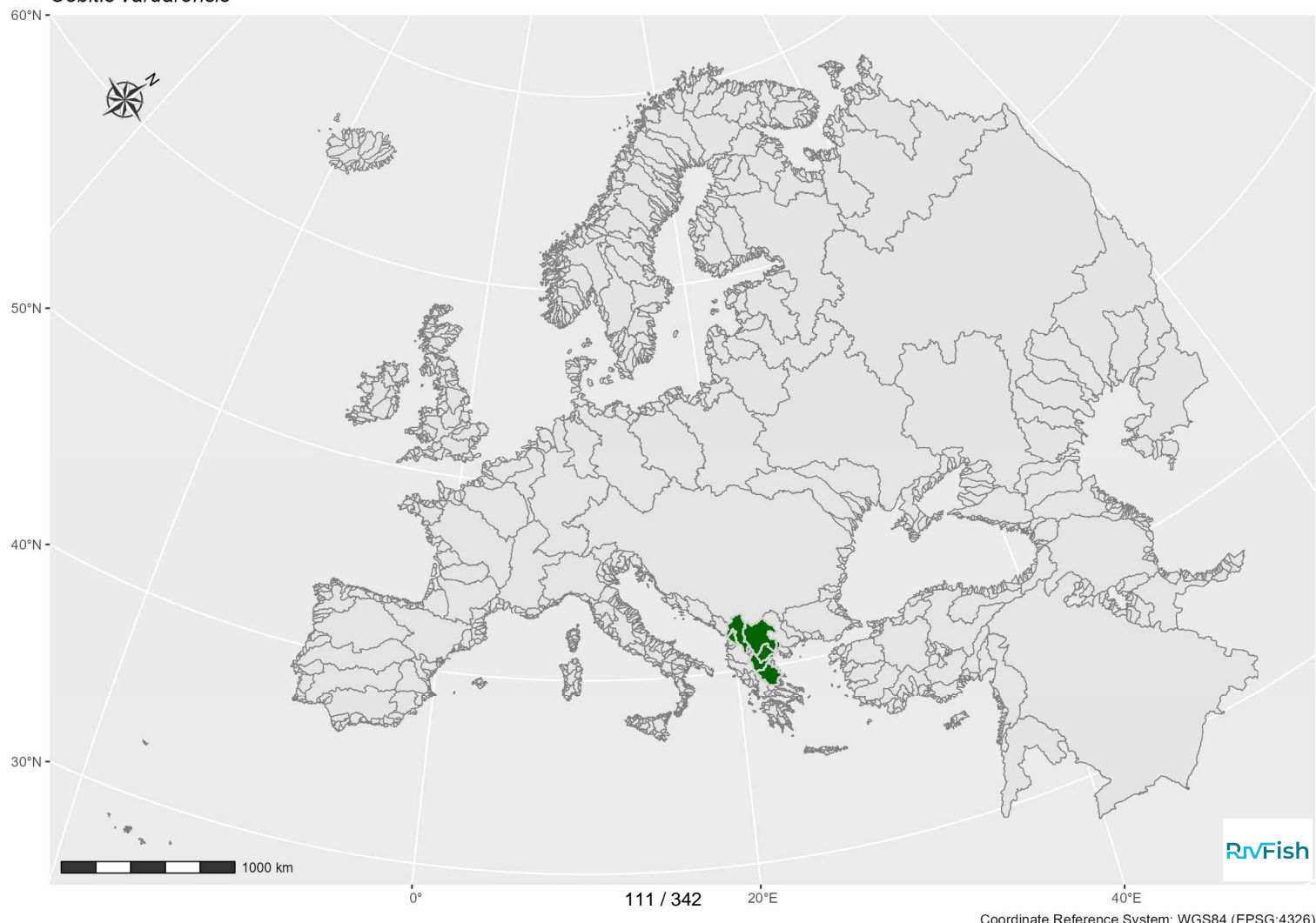
Cobitis taurica



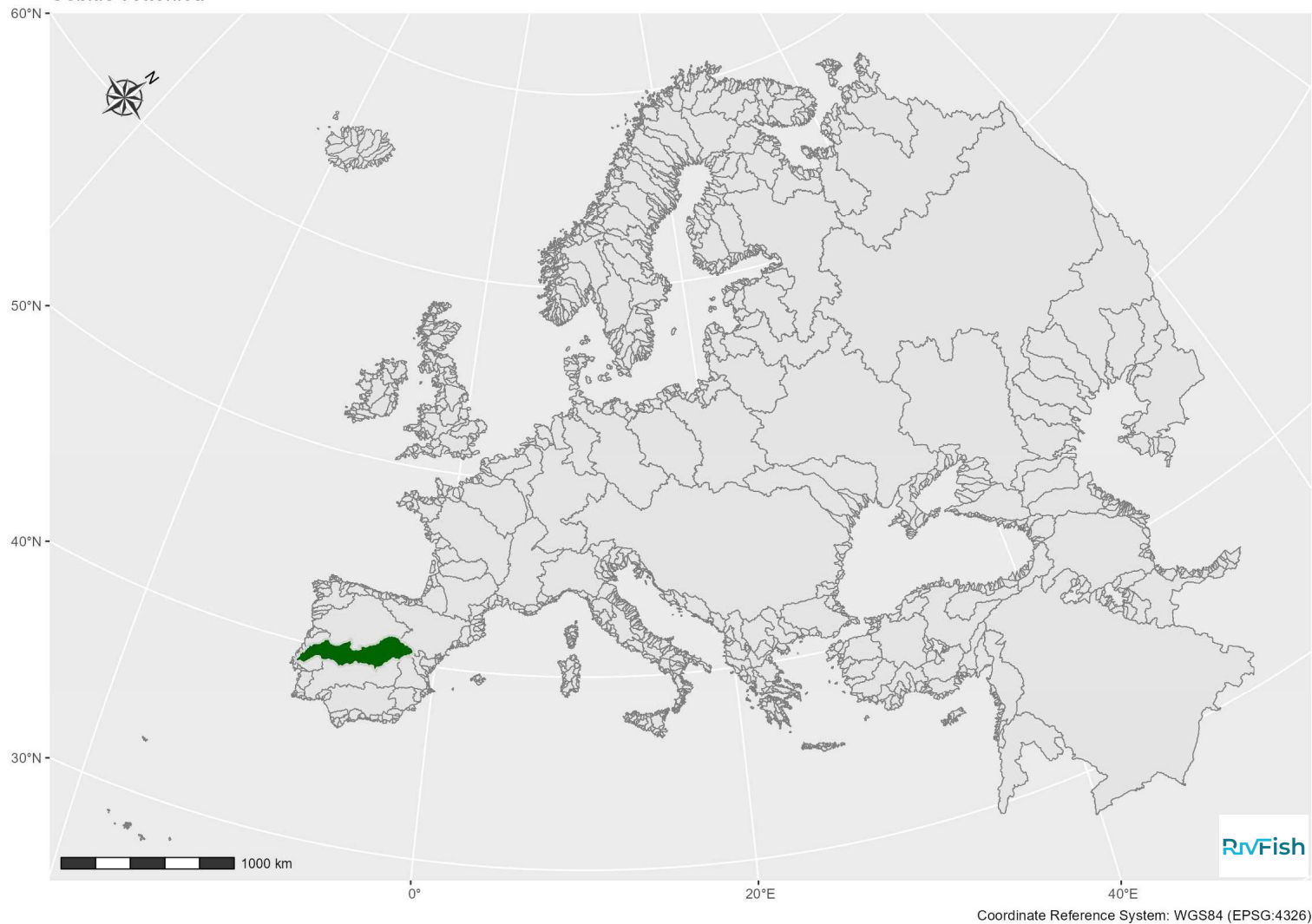
Cobitis trichonica



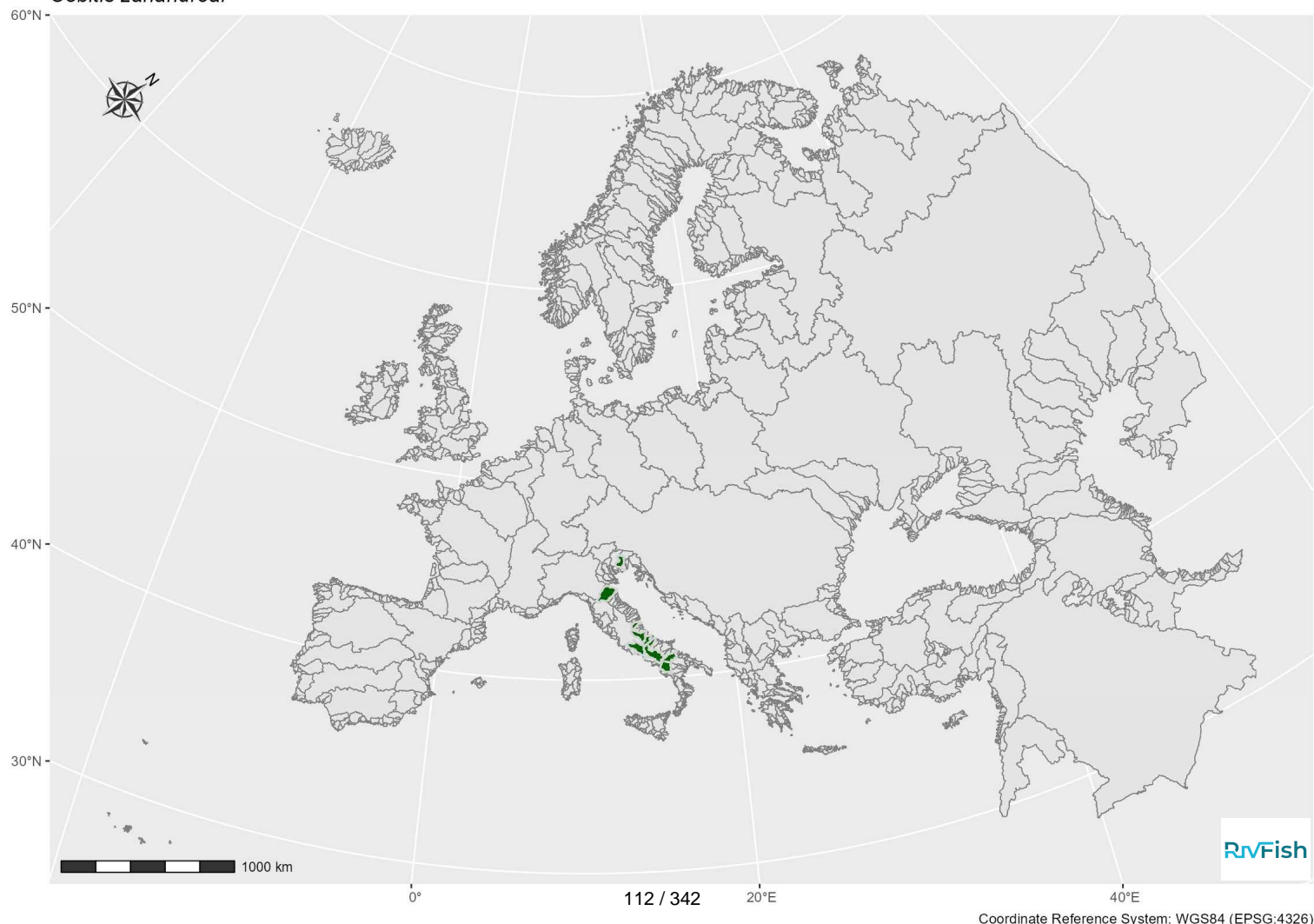
Cobitis vardarensis



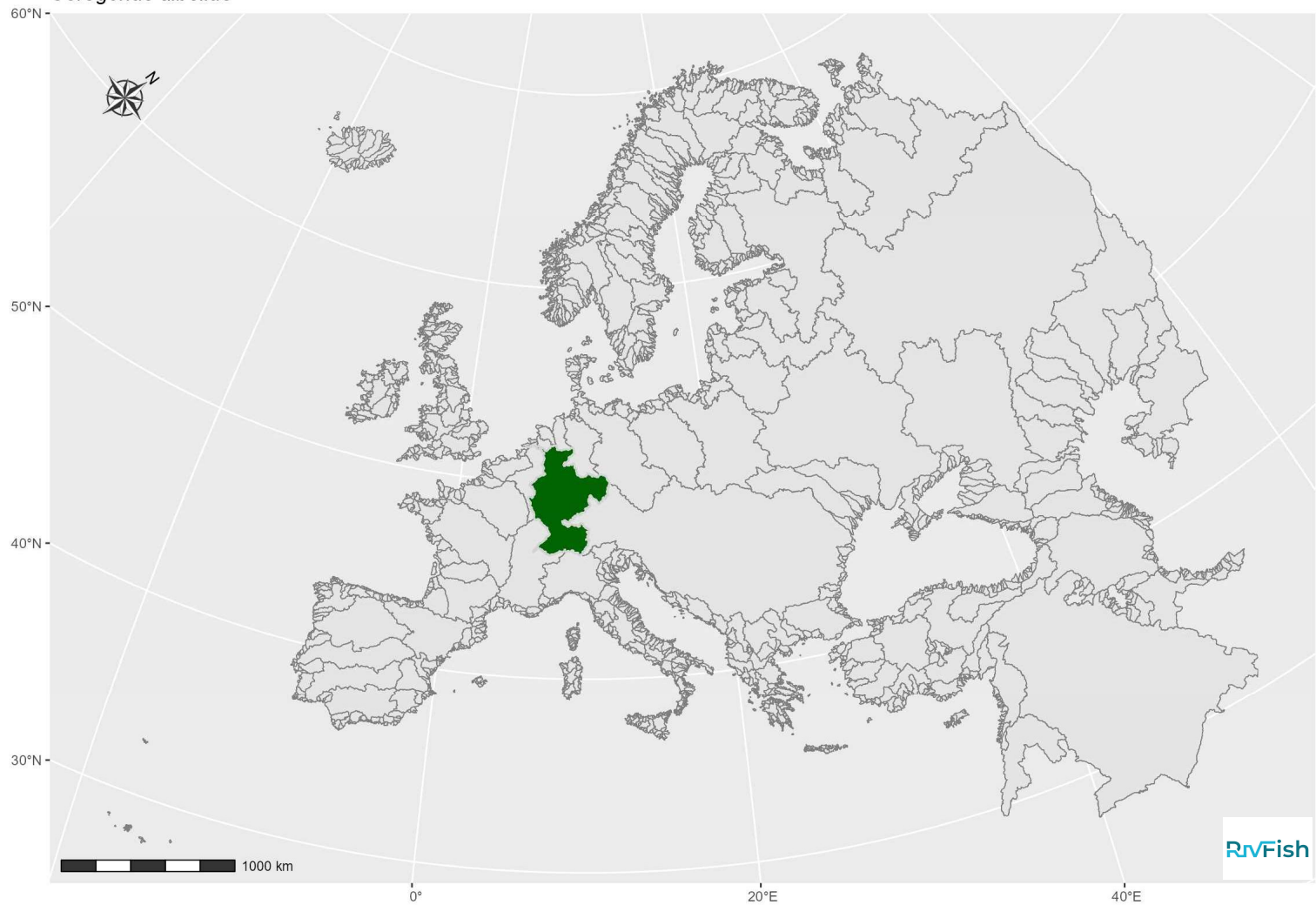
Cobitis vettonica



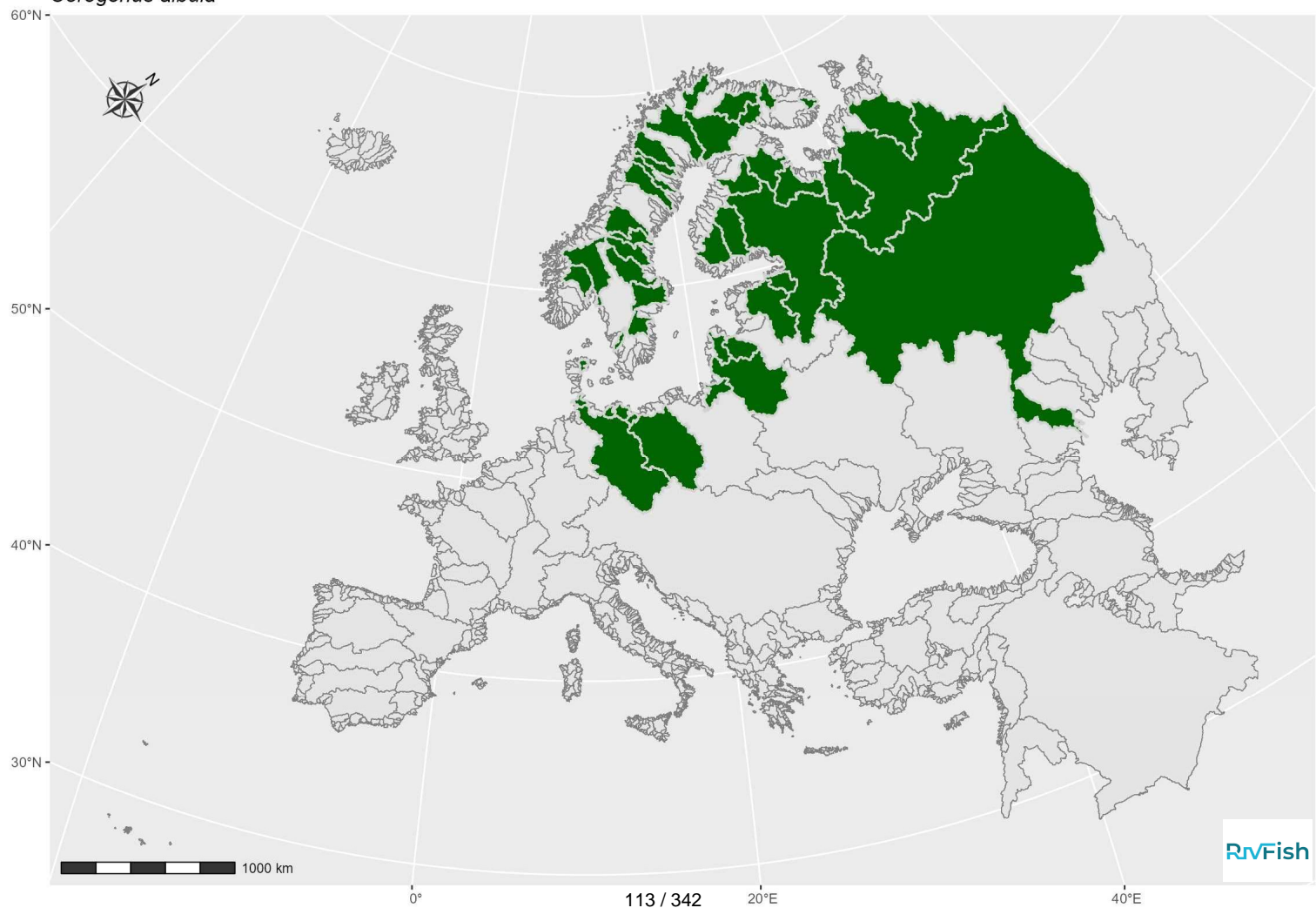
Cobitis zanandreae



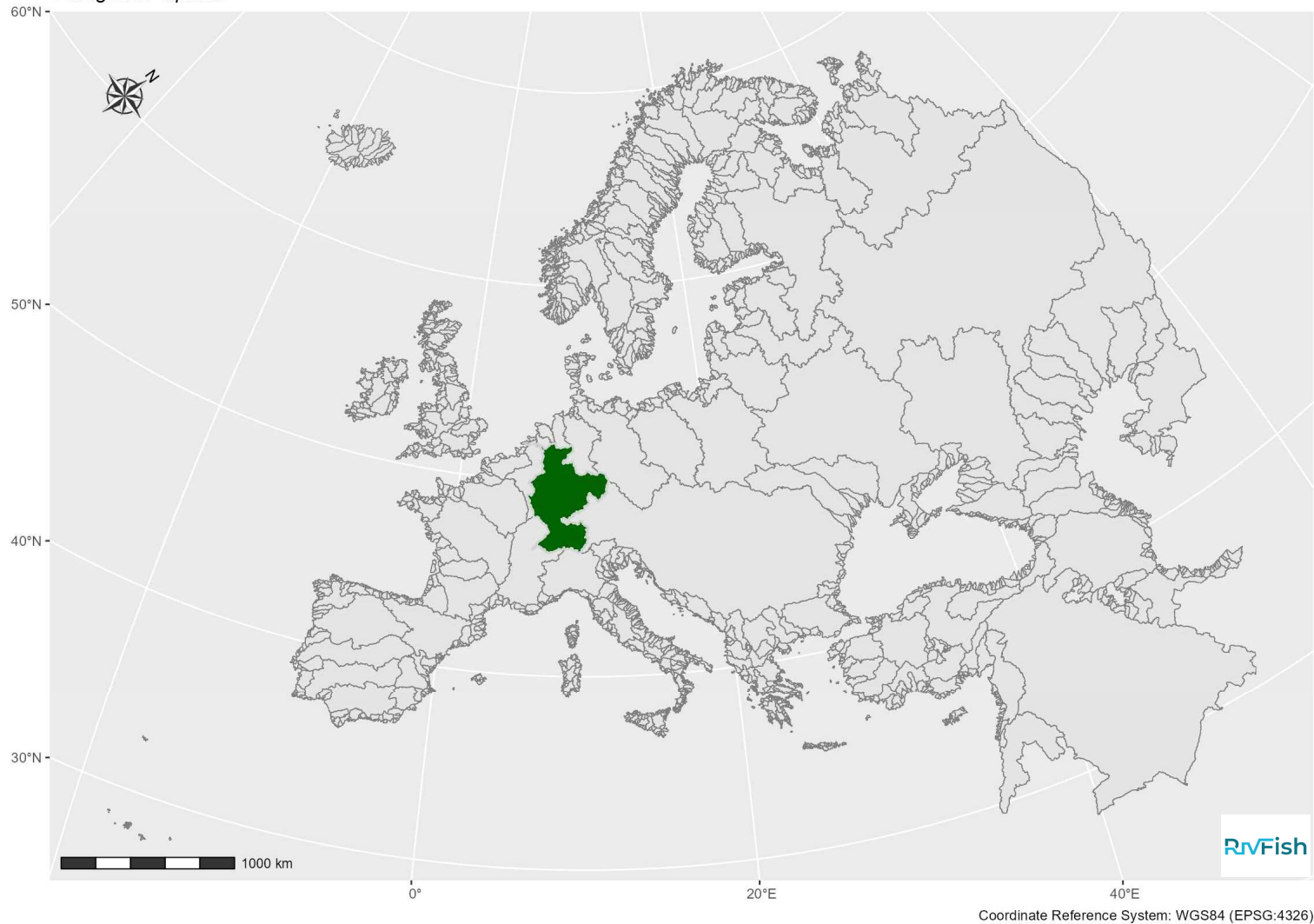
Coregonus albellus



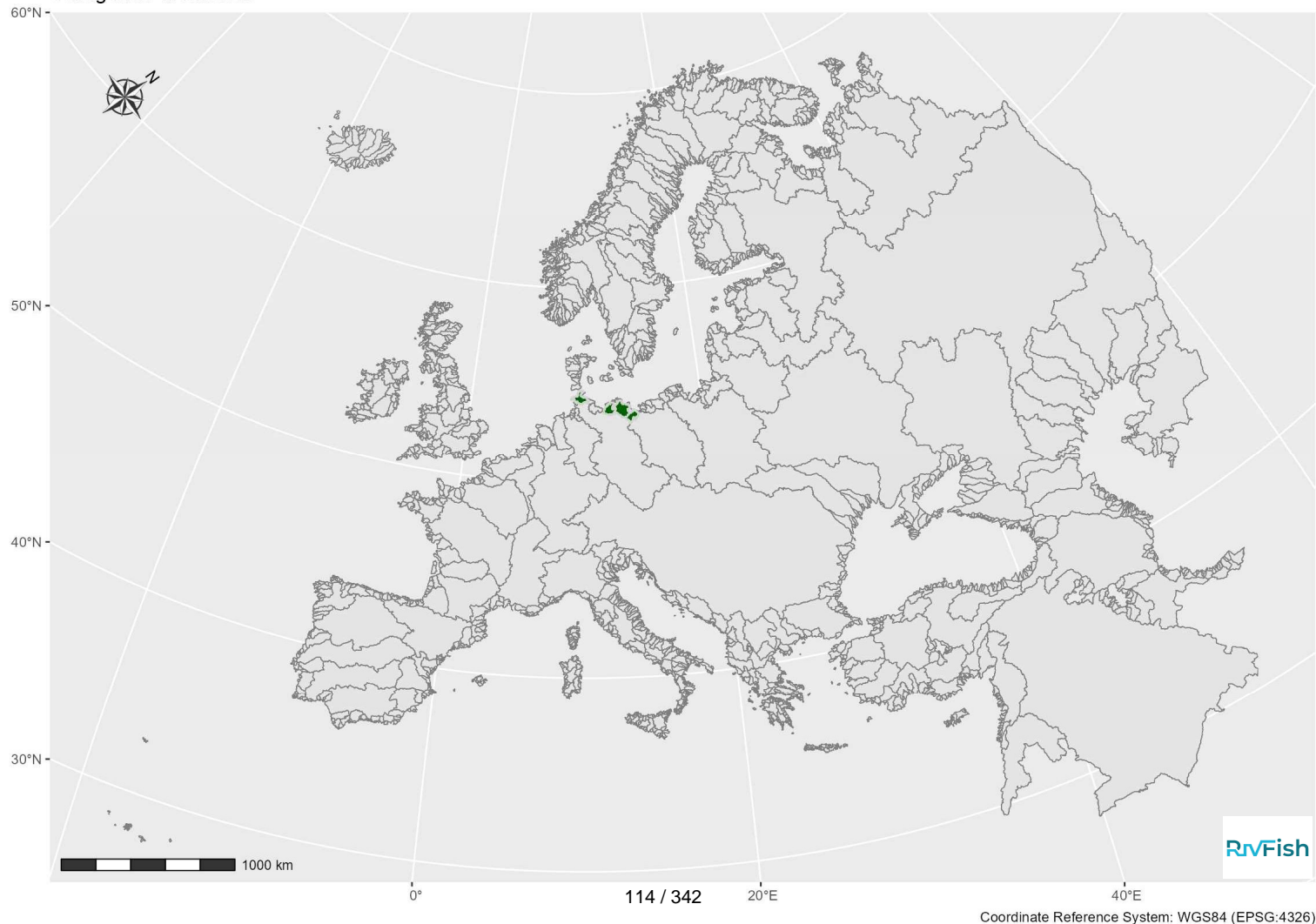
Coregonus albula



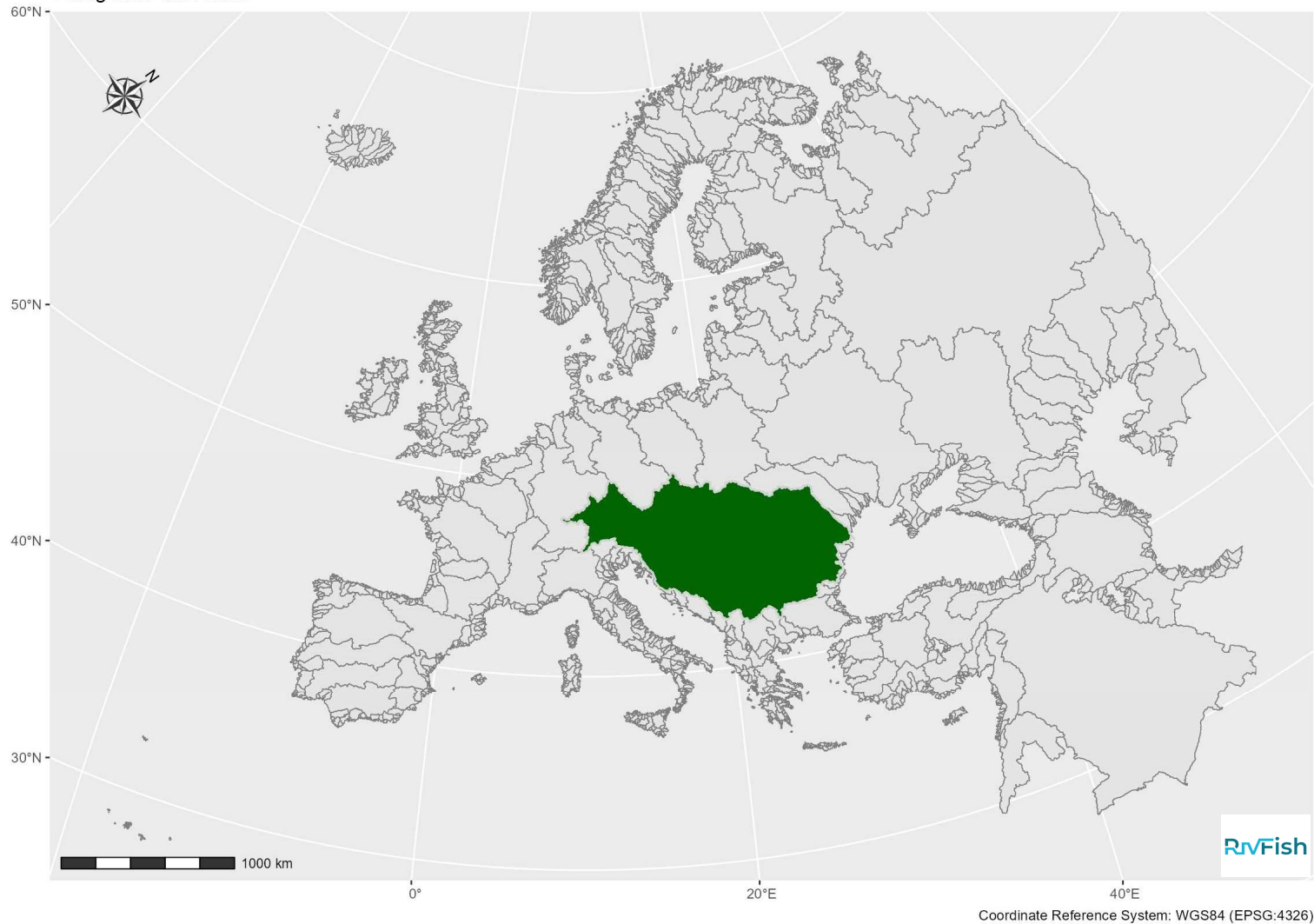
Coregonus alpinus



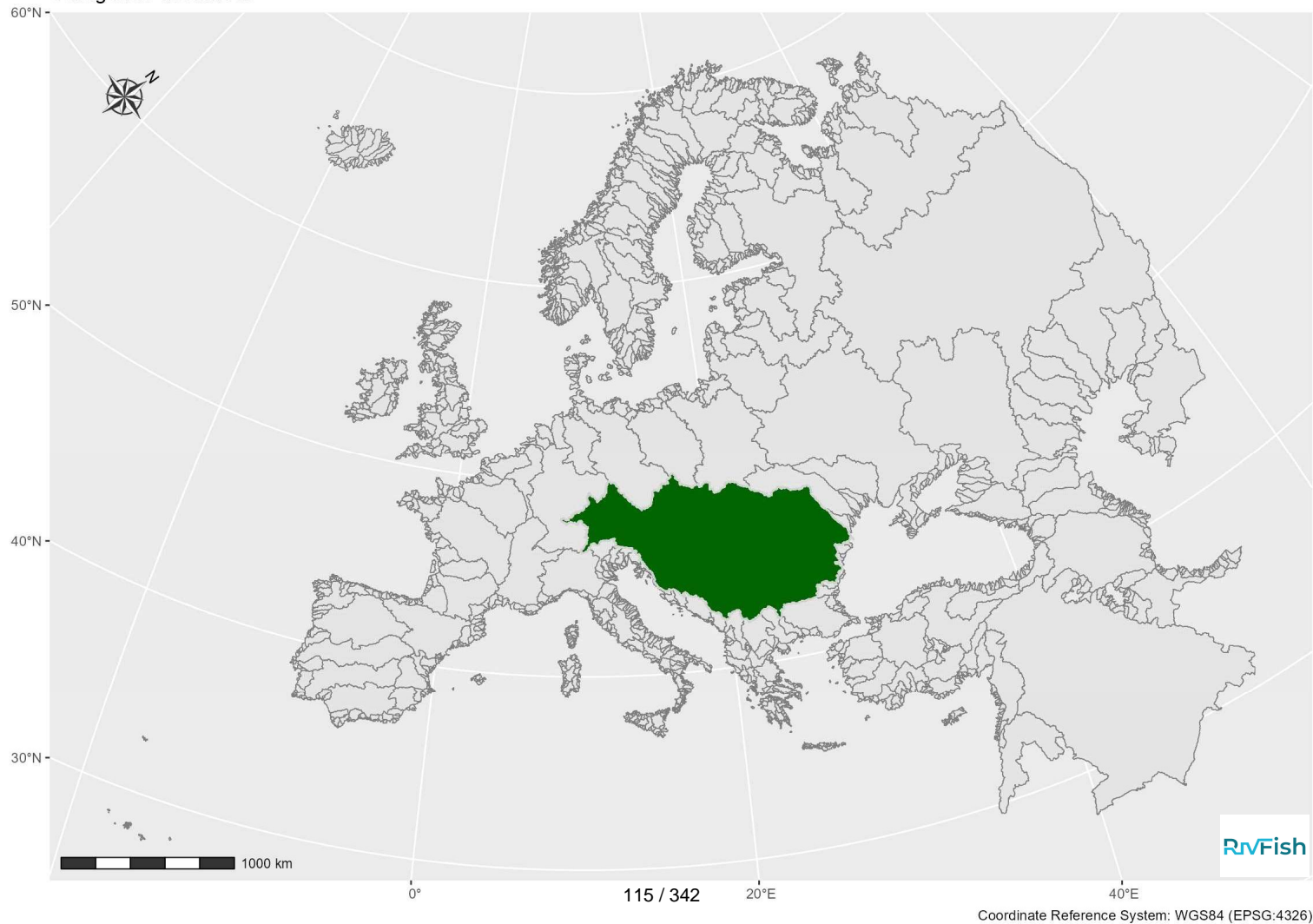
Coregonus arenicolus



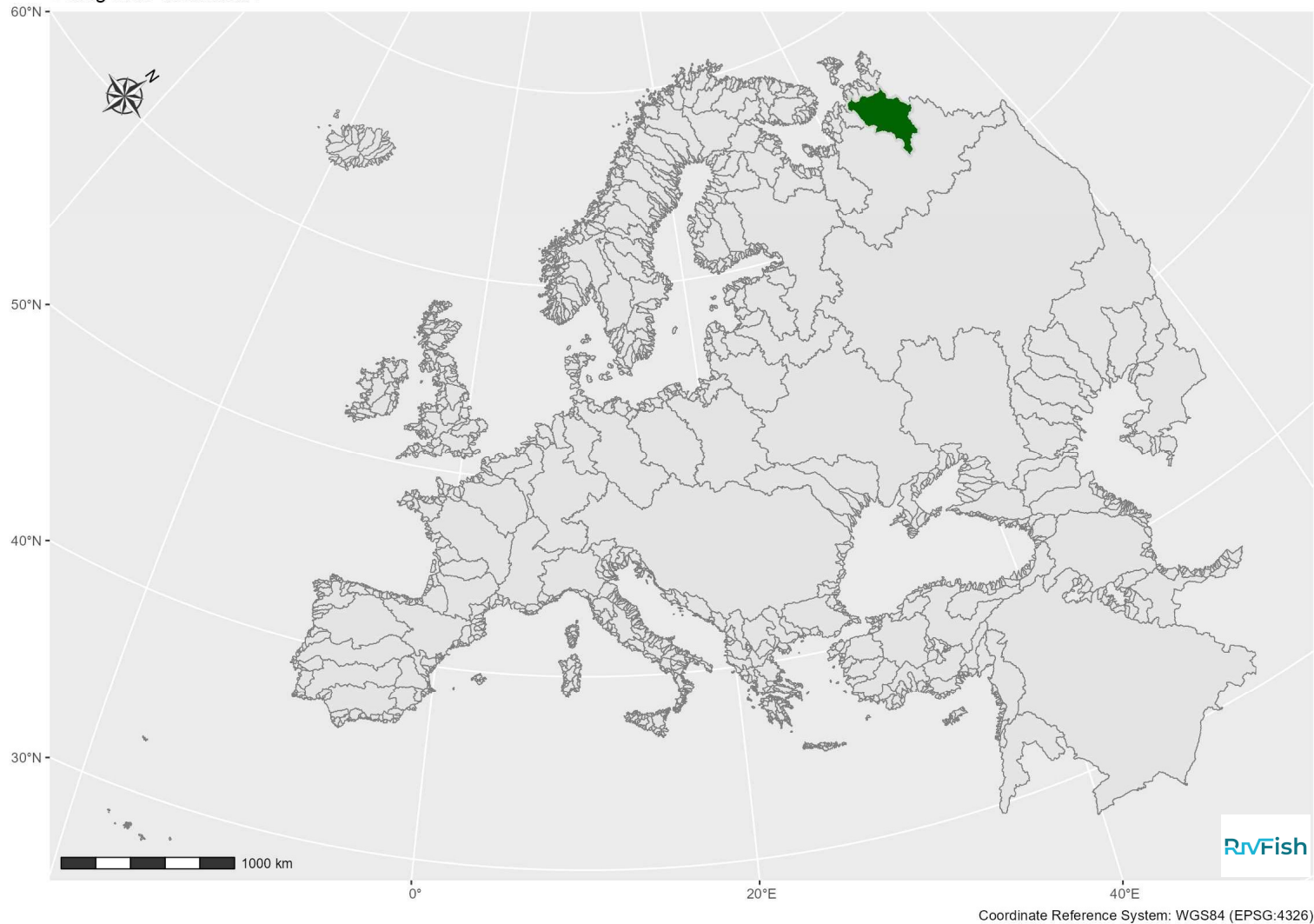
Coregonus atterensis



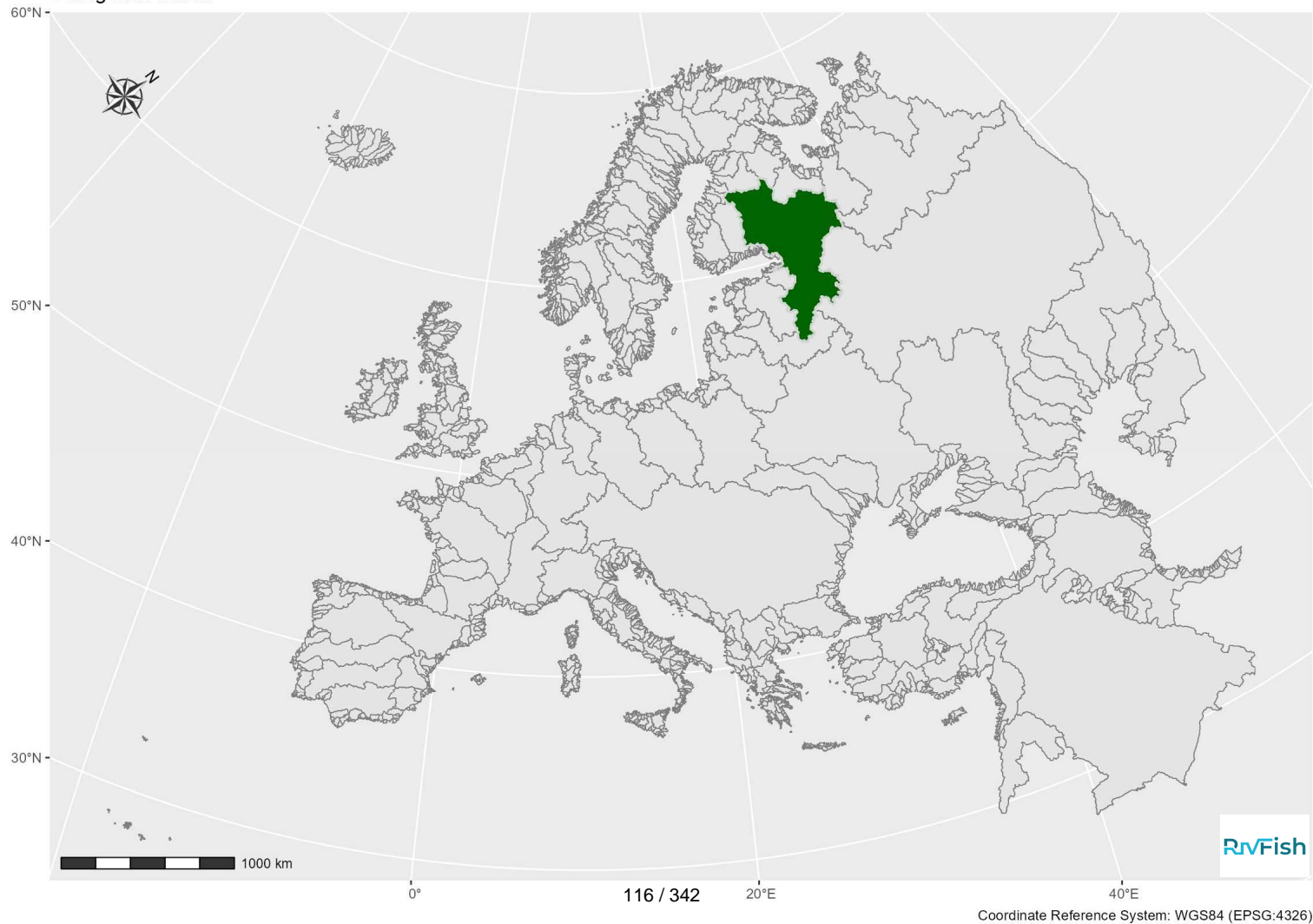
Coregonus austriacus



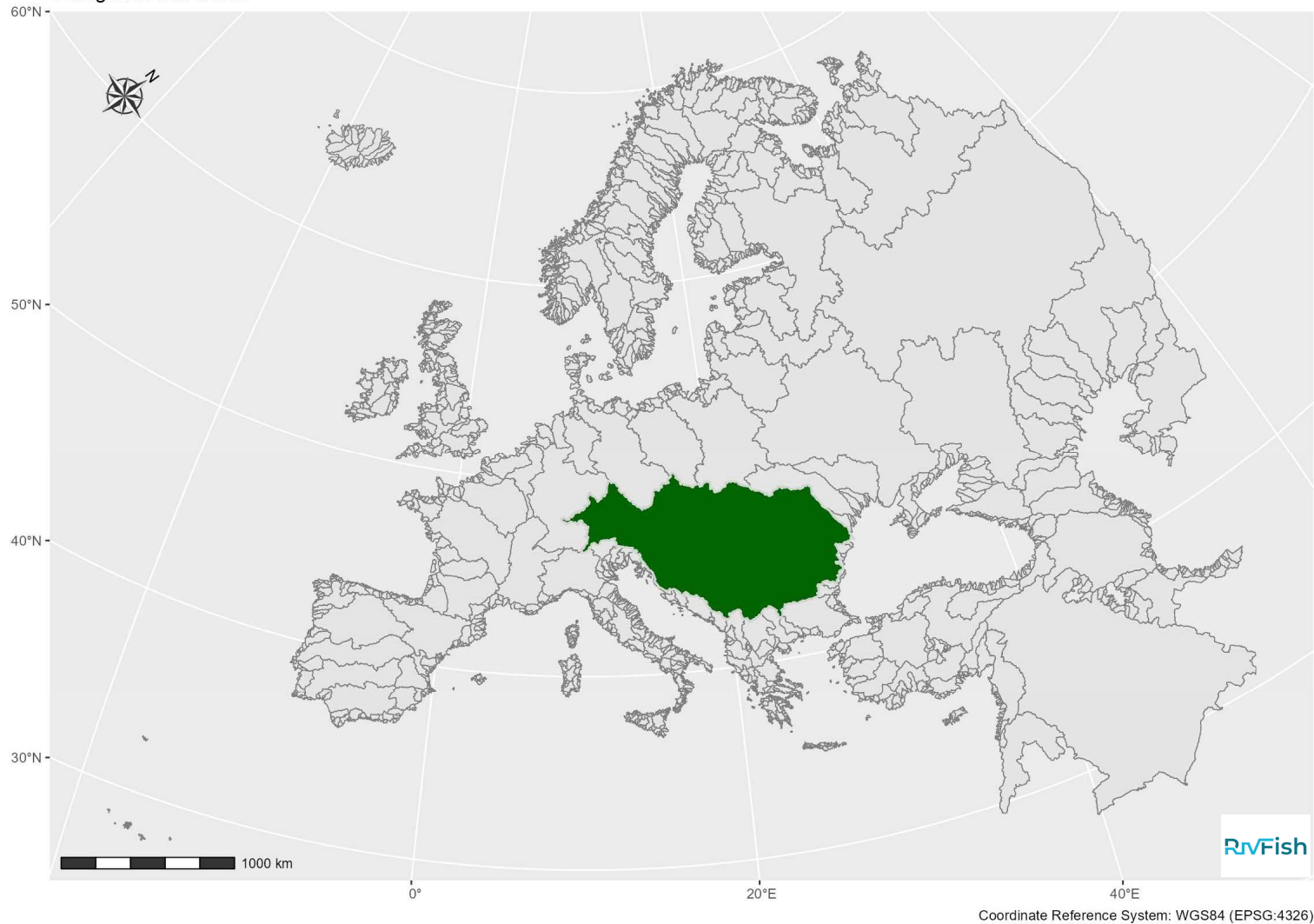
Coregonus autumnalis



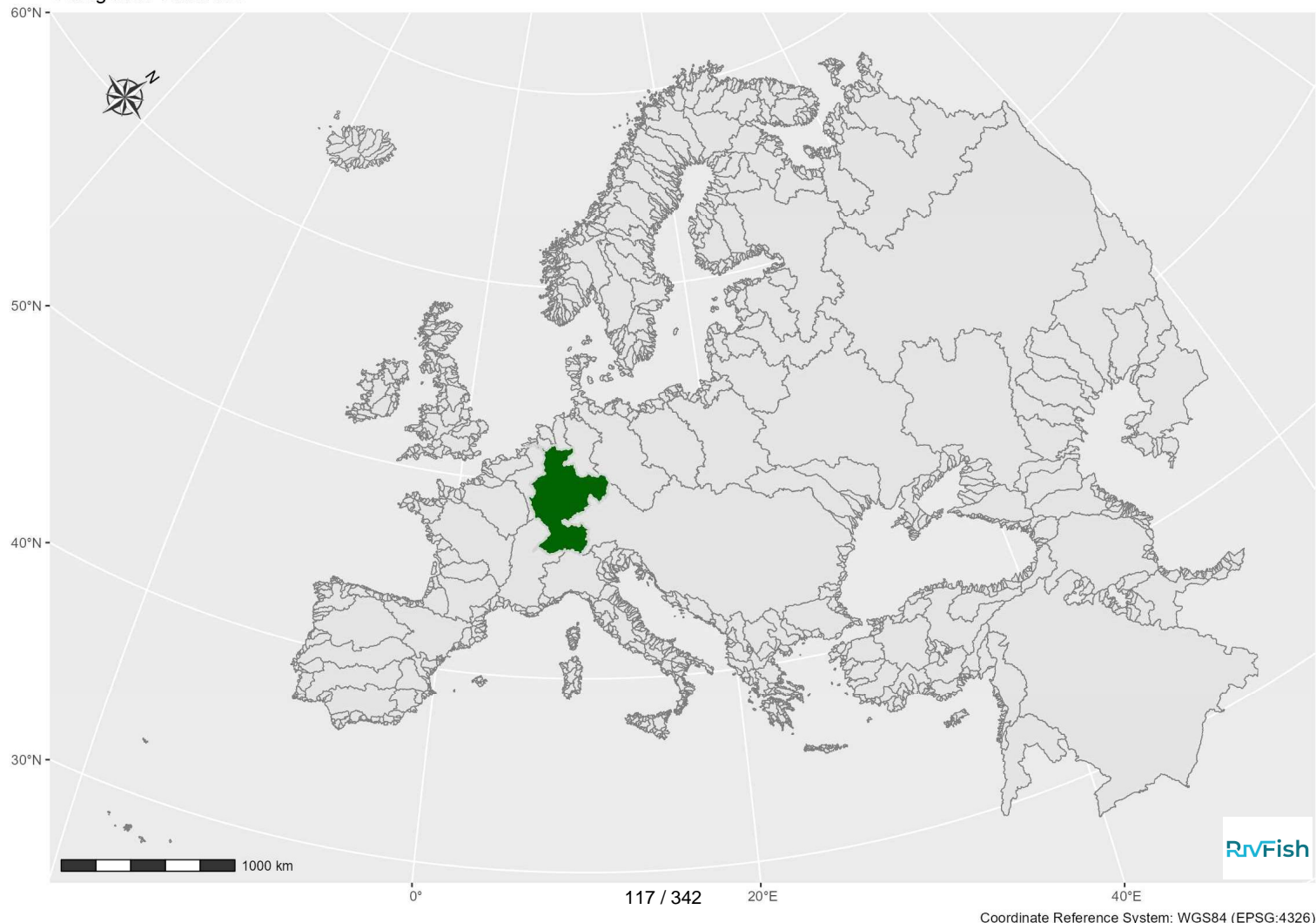
Coregonus baerii



Coregonus bavaricus



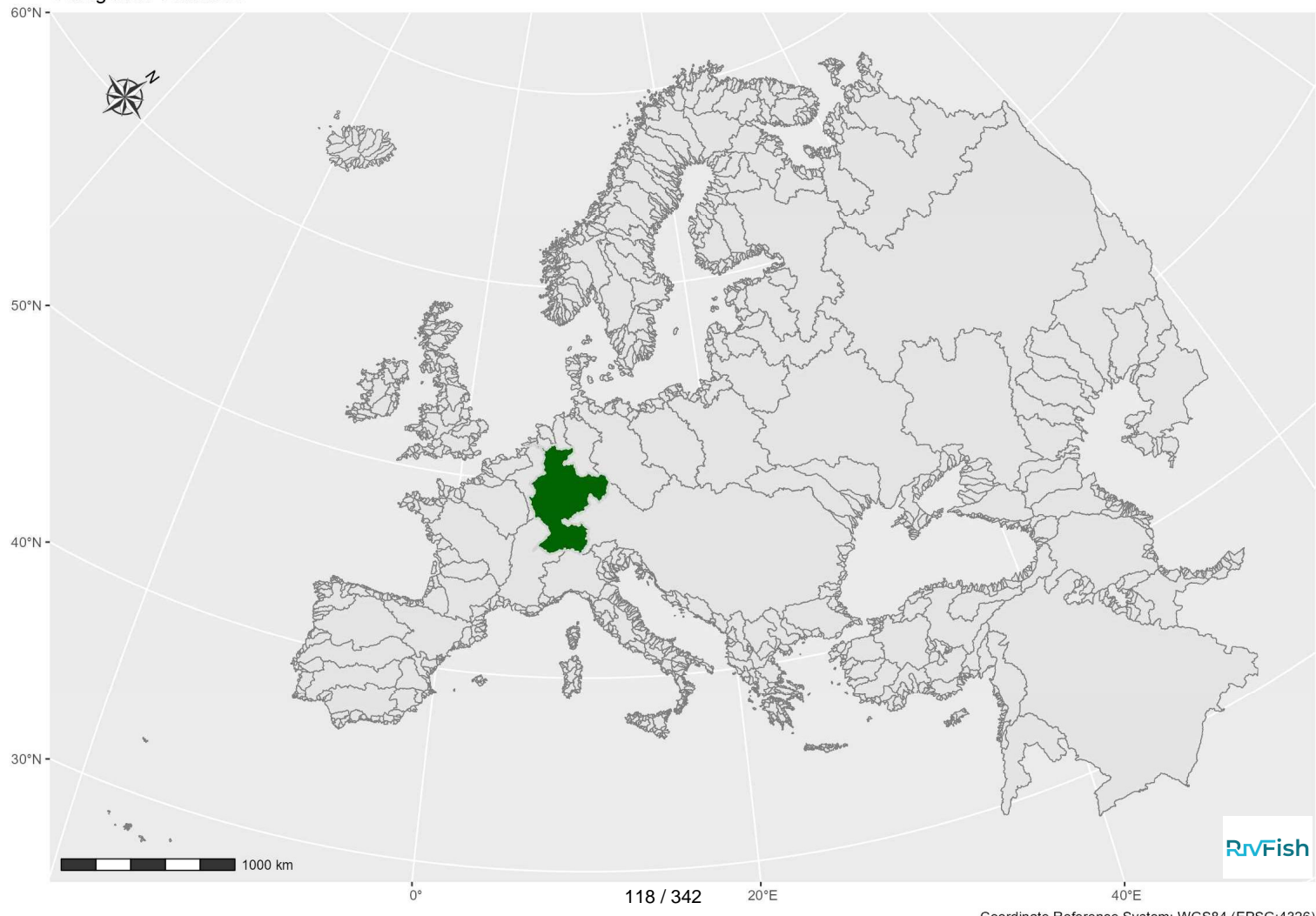
Coregonus candidus



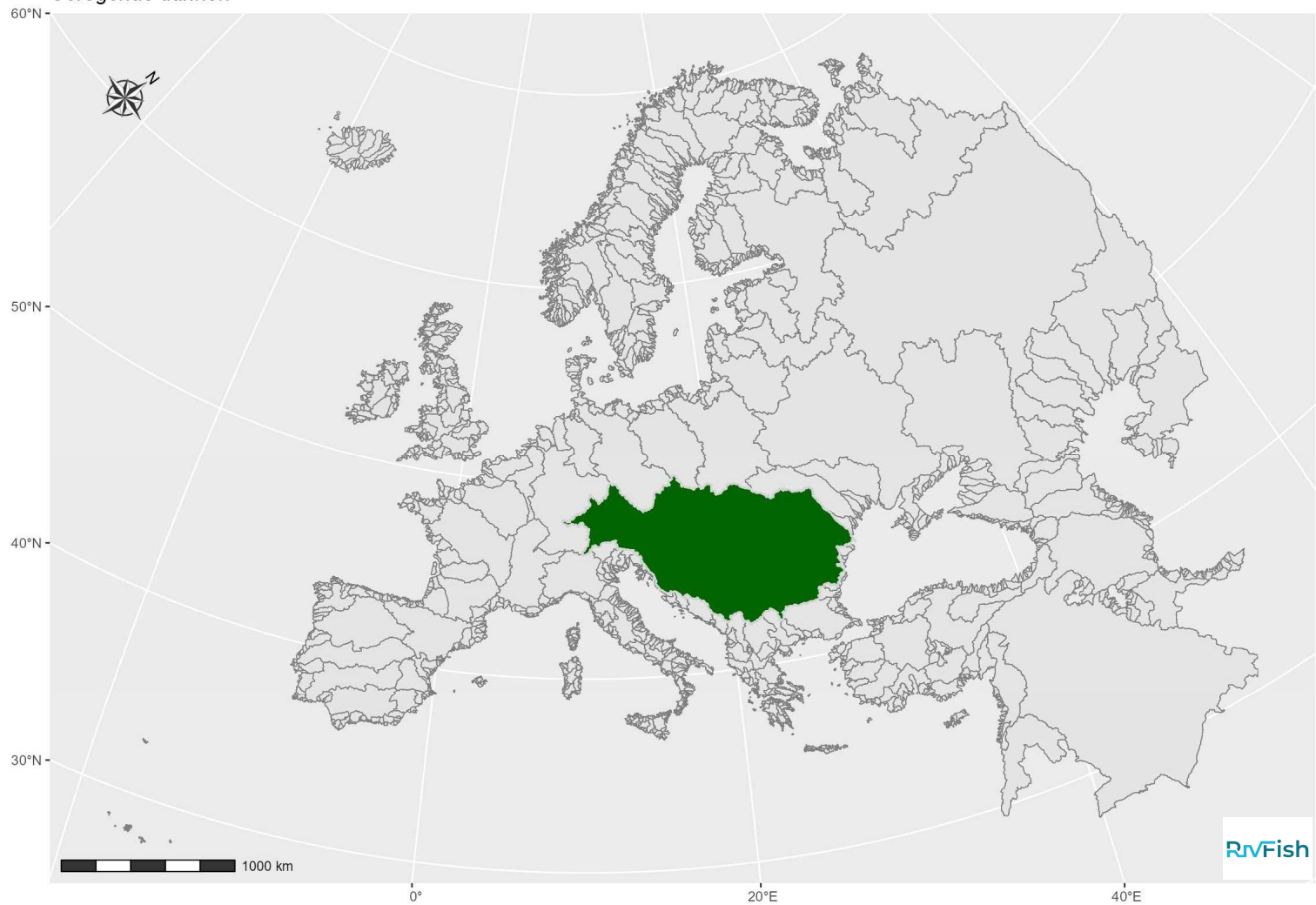
Coregonus clupeoides



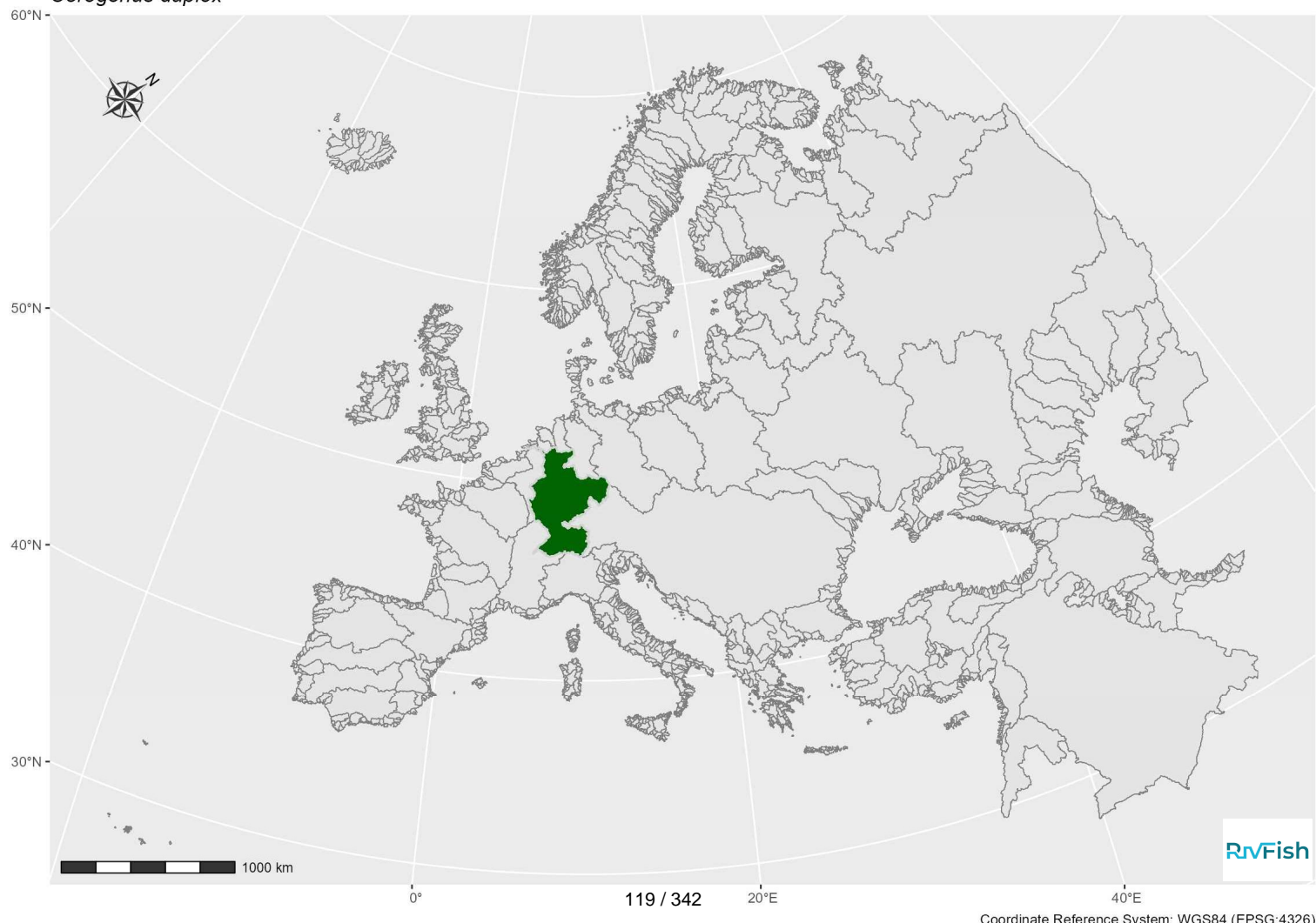
Coregonus confusus



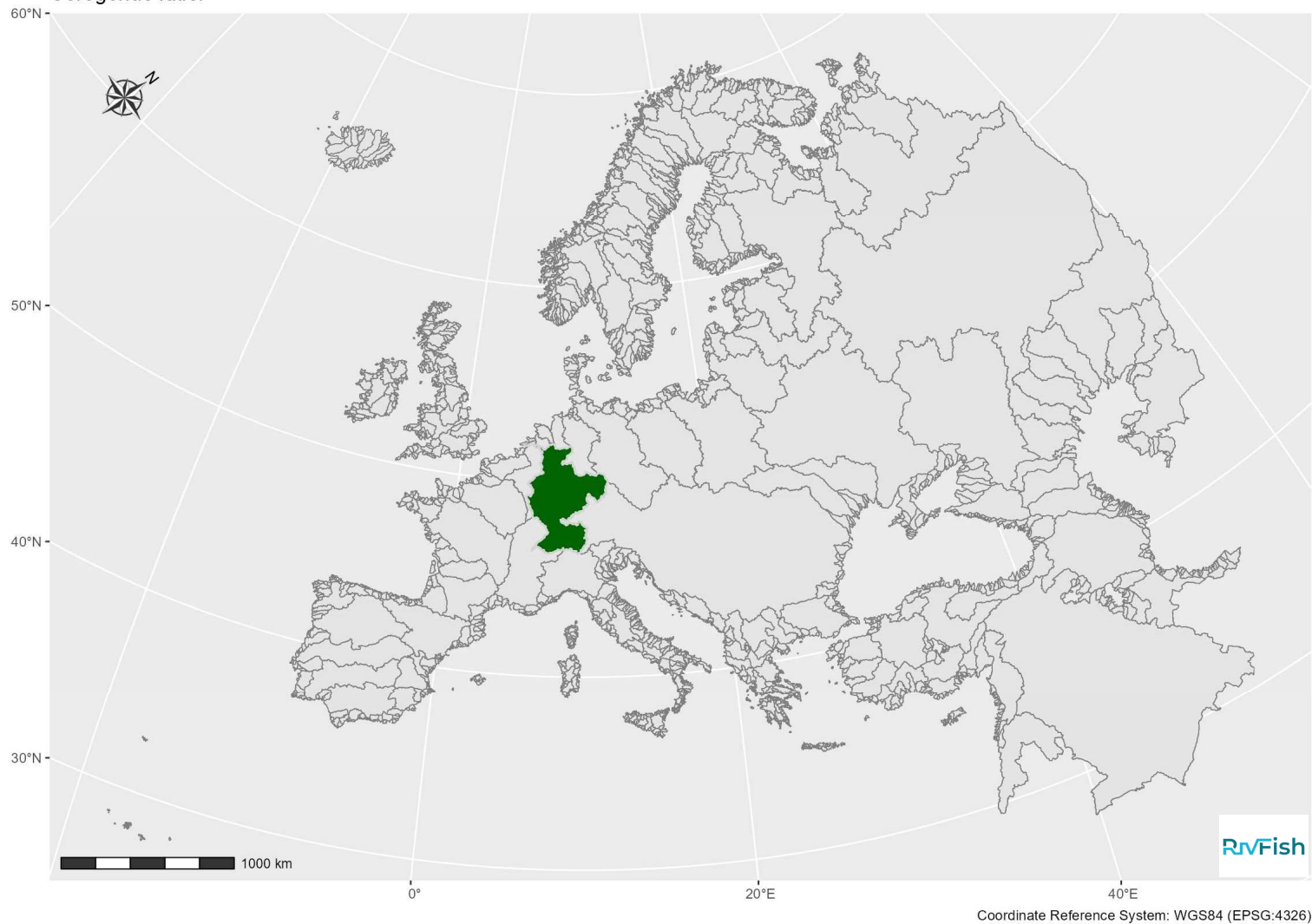
Coregonus danneri



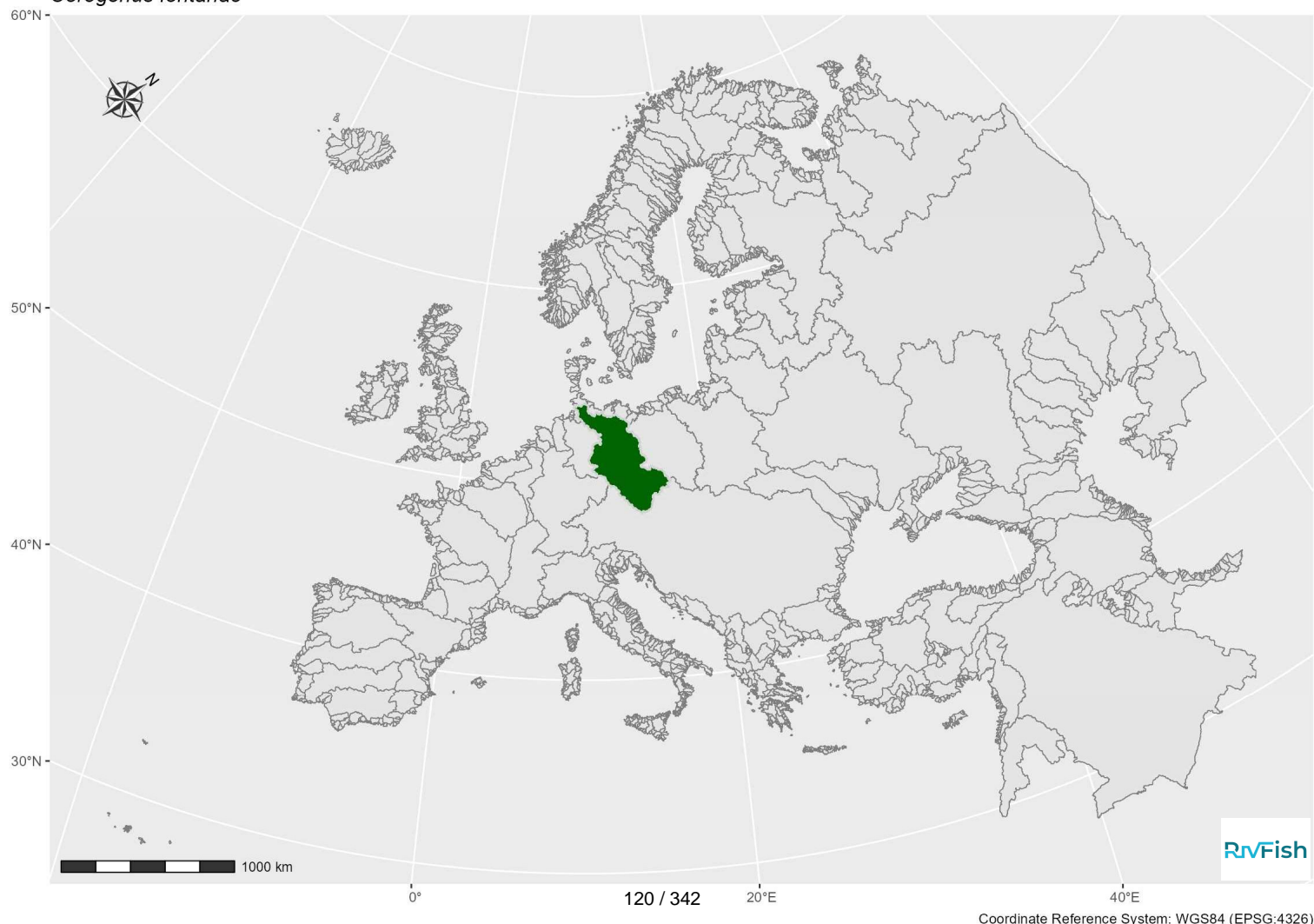
Coregonus duplex



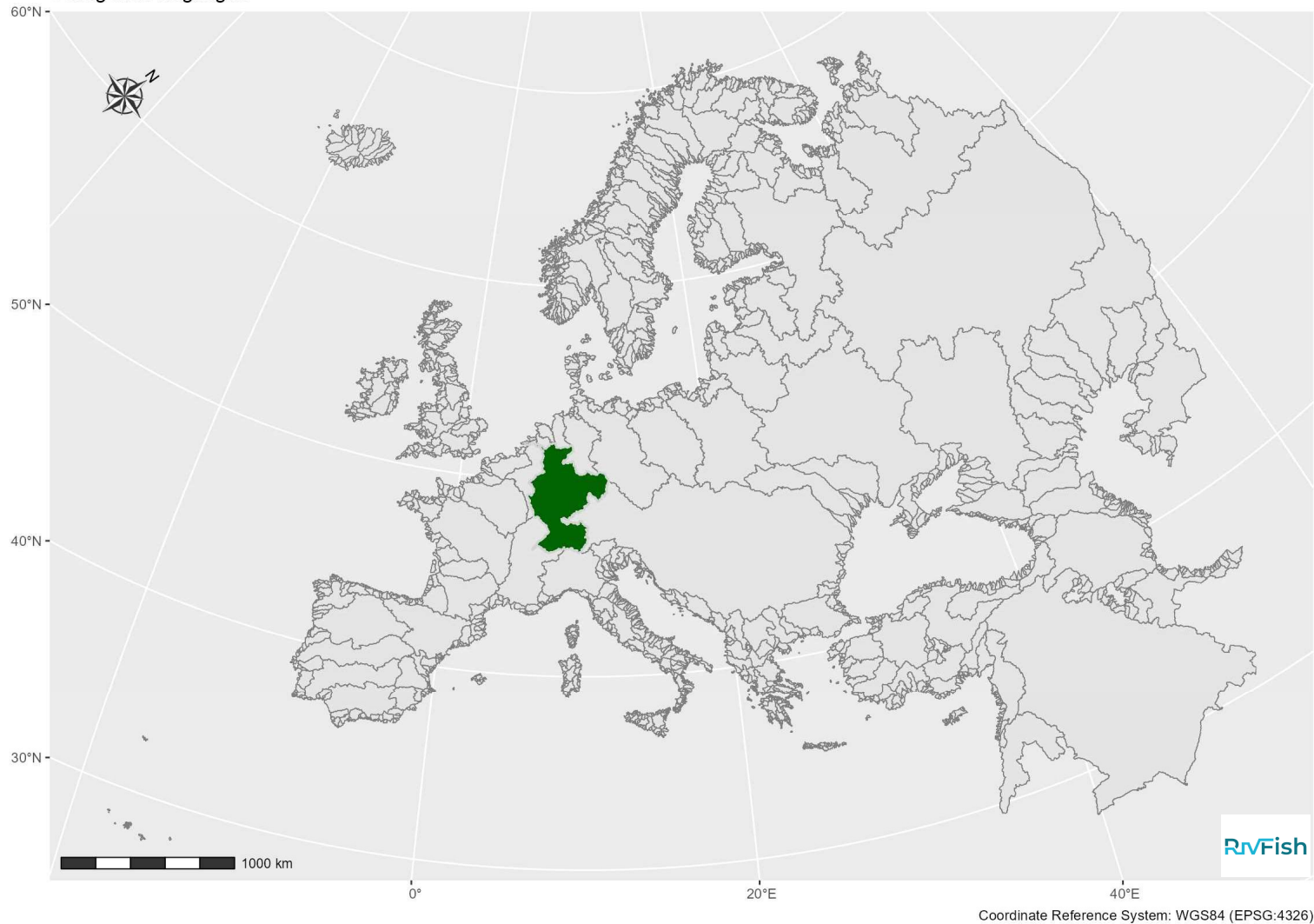
Coregonus fatoi



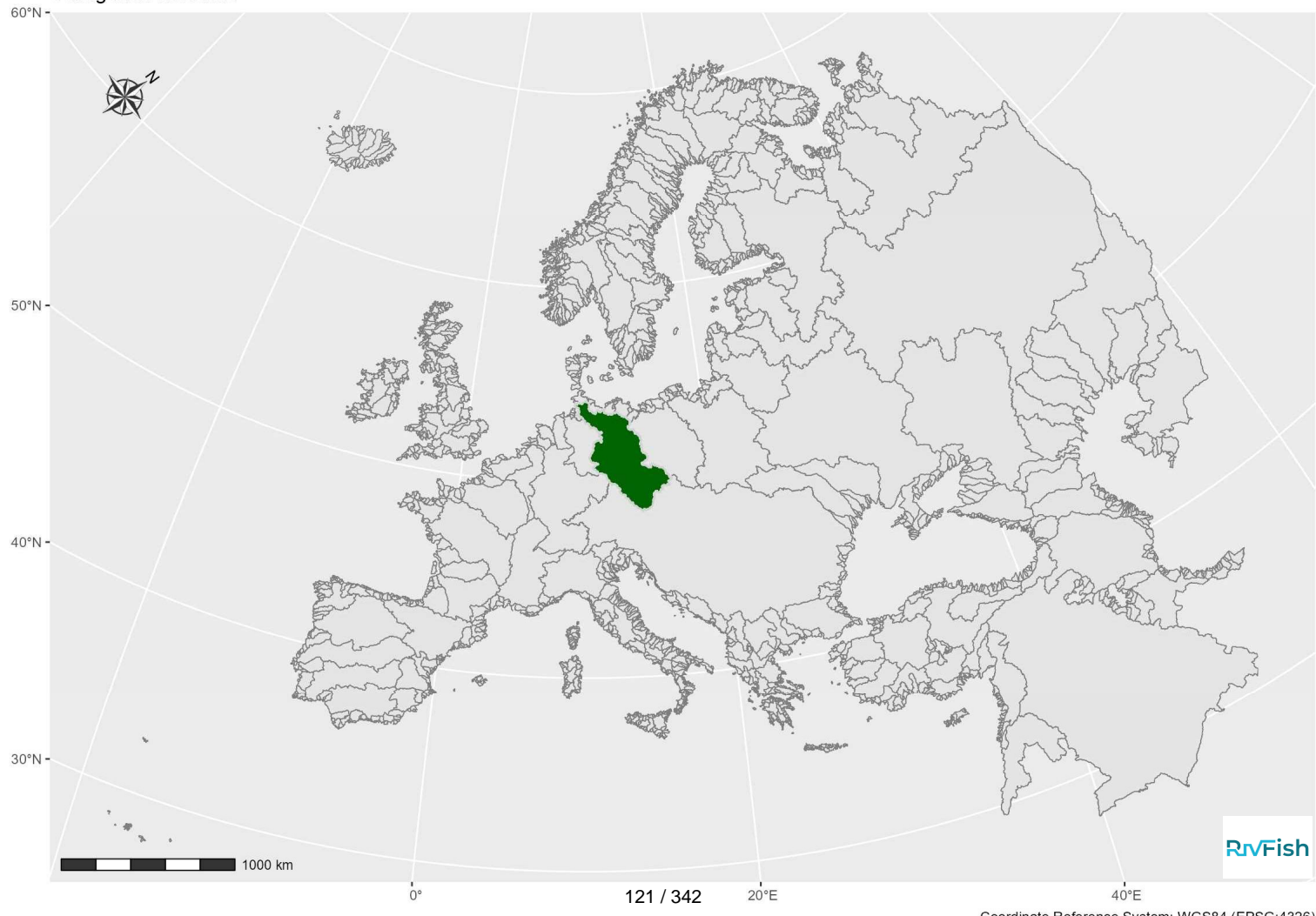
Coregonus fontanae



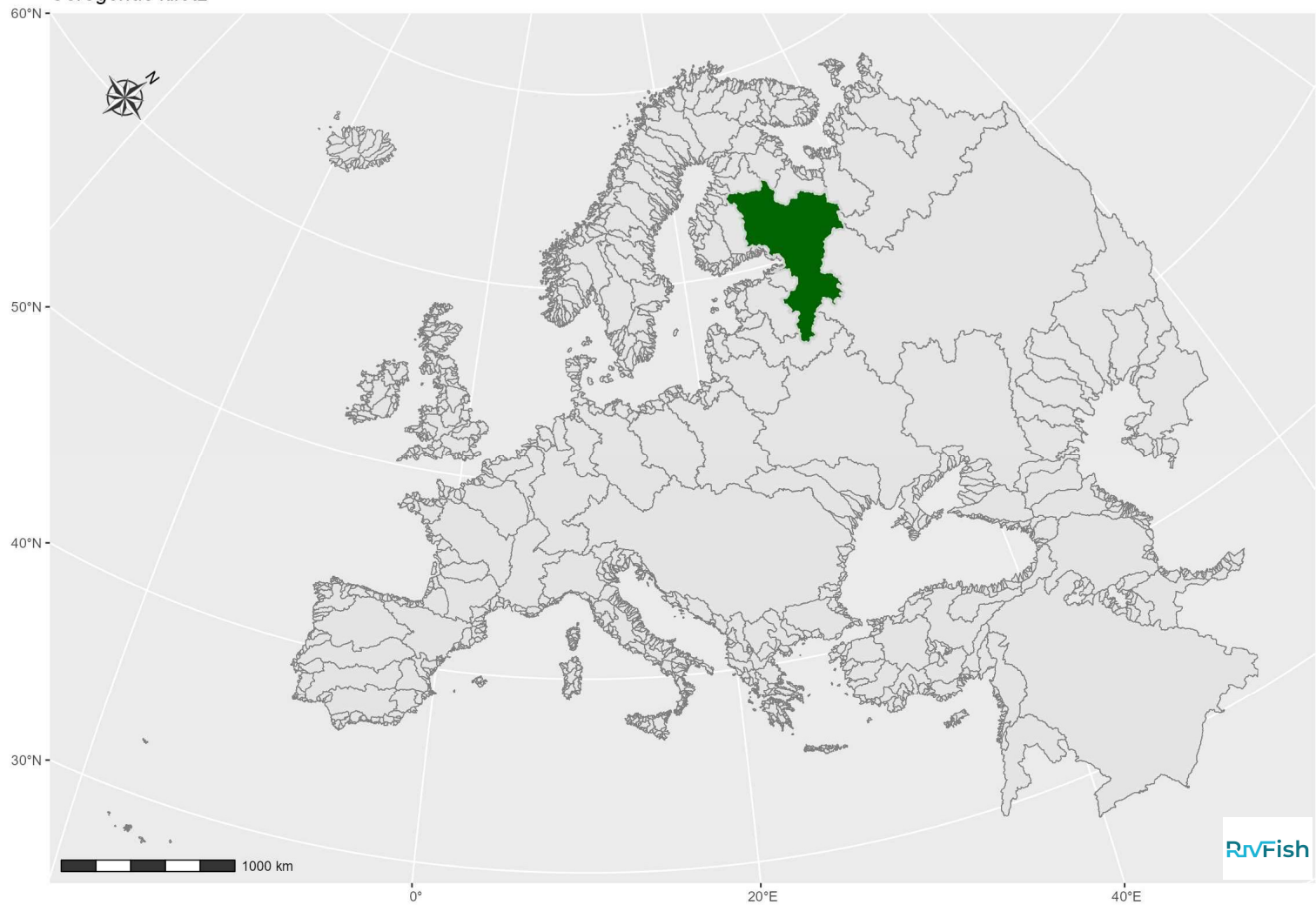
Coregonus heglingus



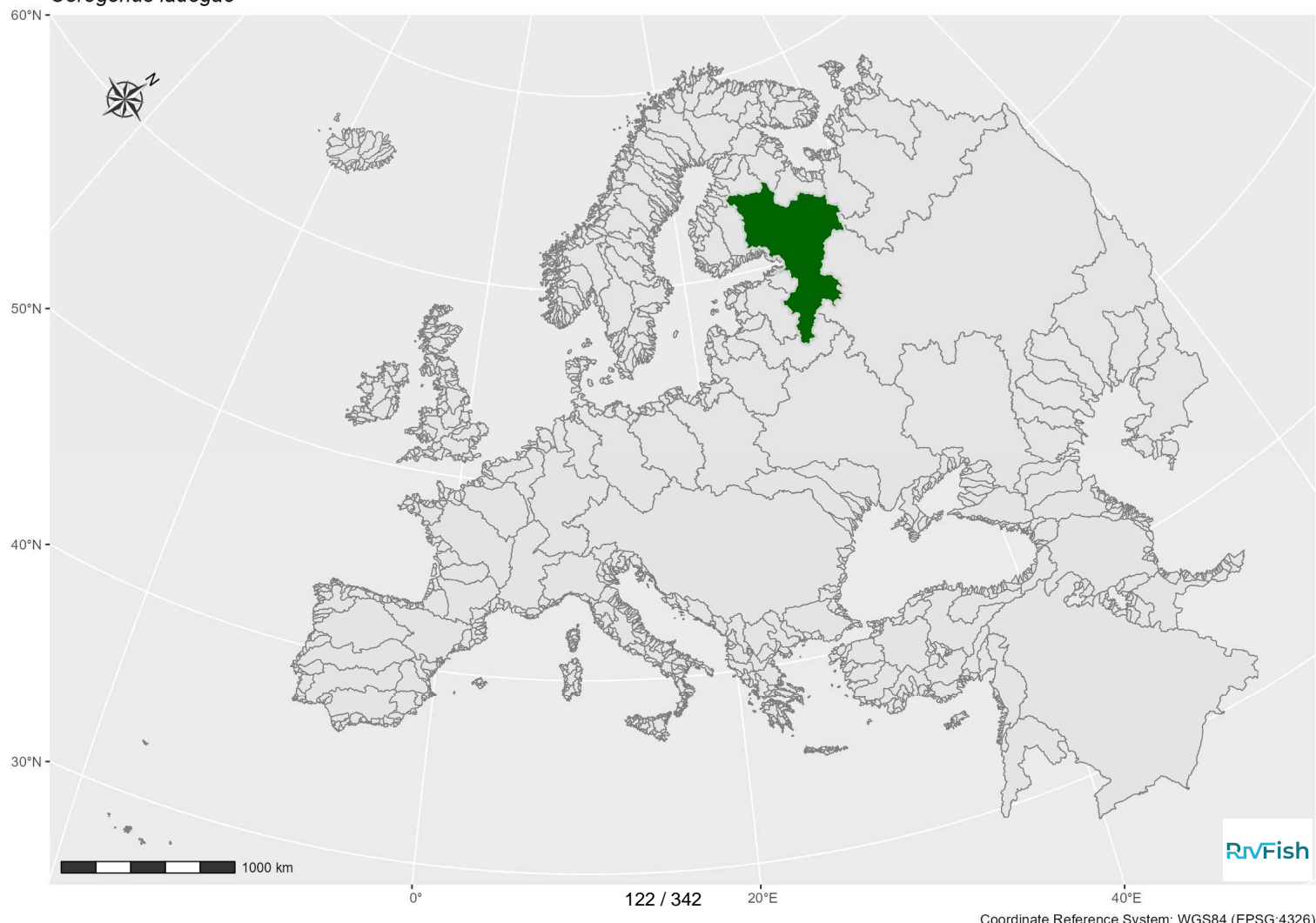
Coregonus holsatus



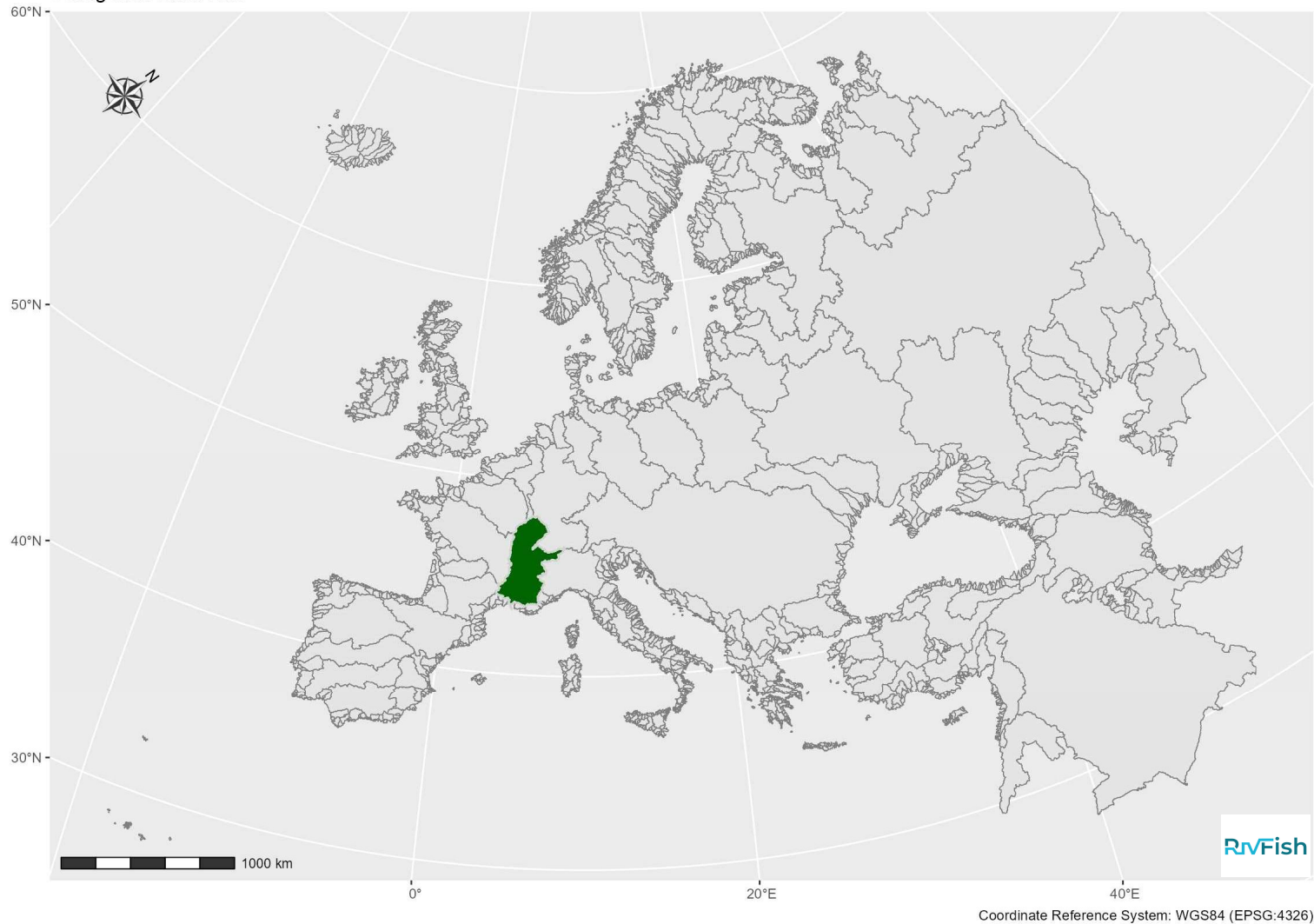
Coregonus kiletz



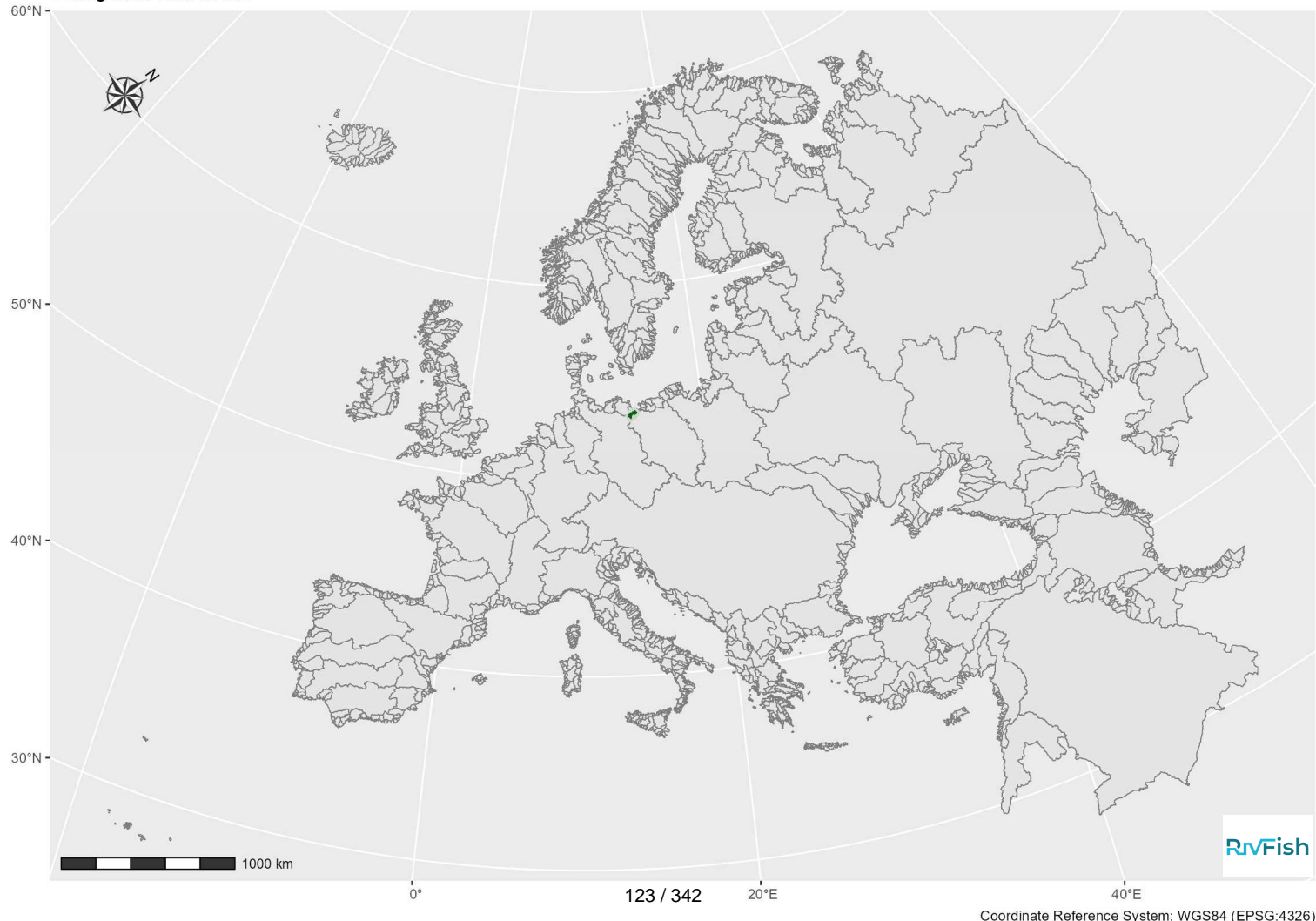
Coregonus ladogae



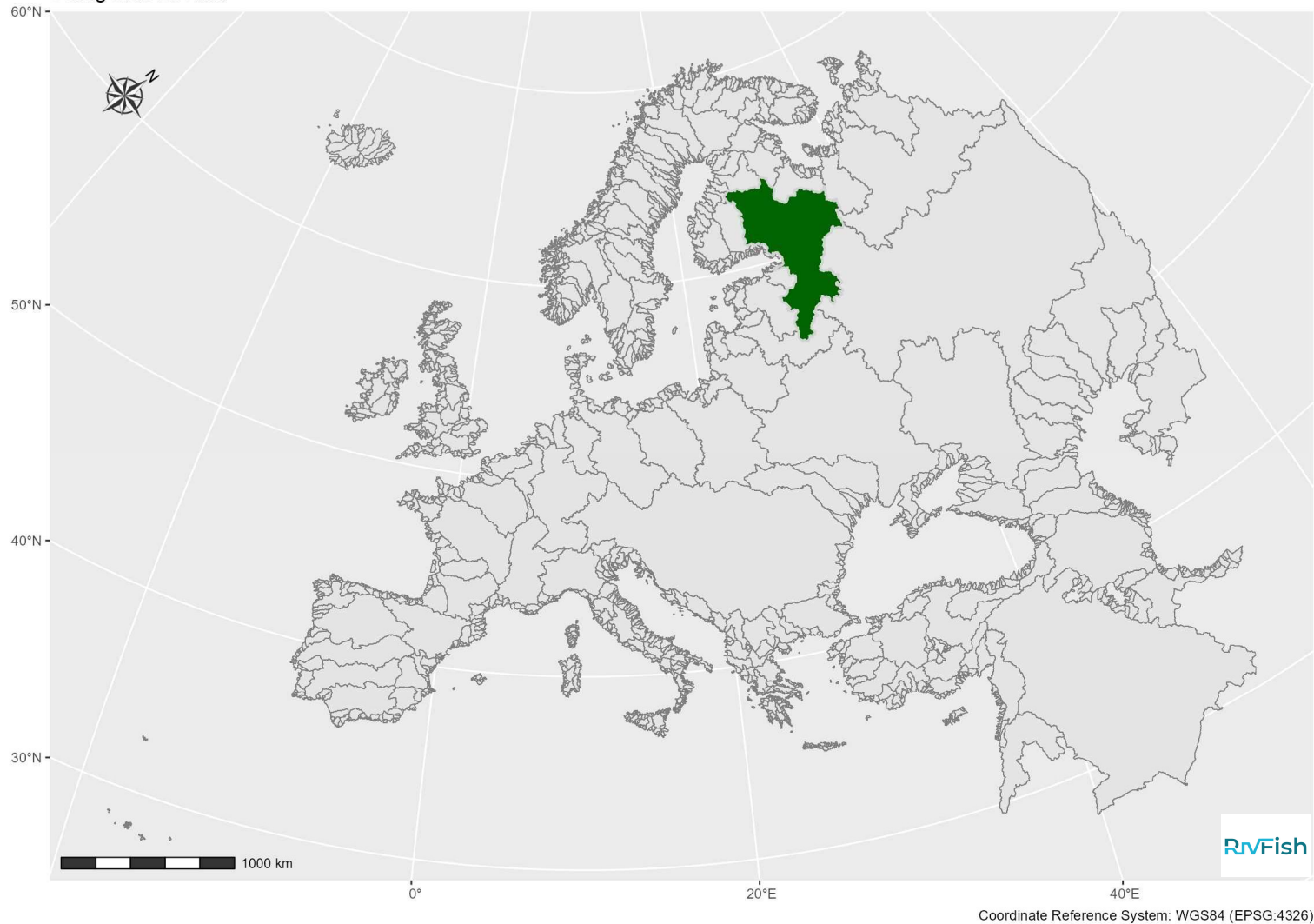
Coregonus lavaretus



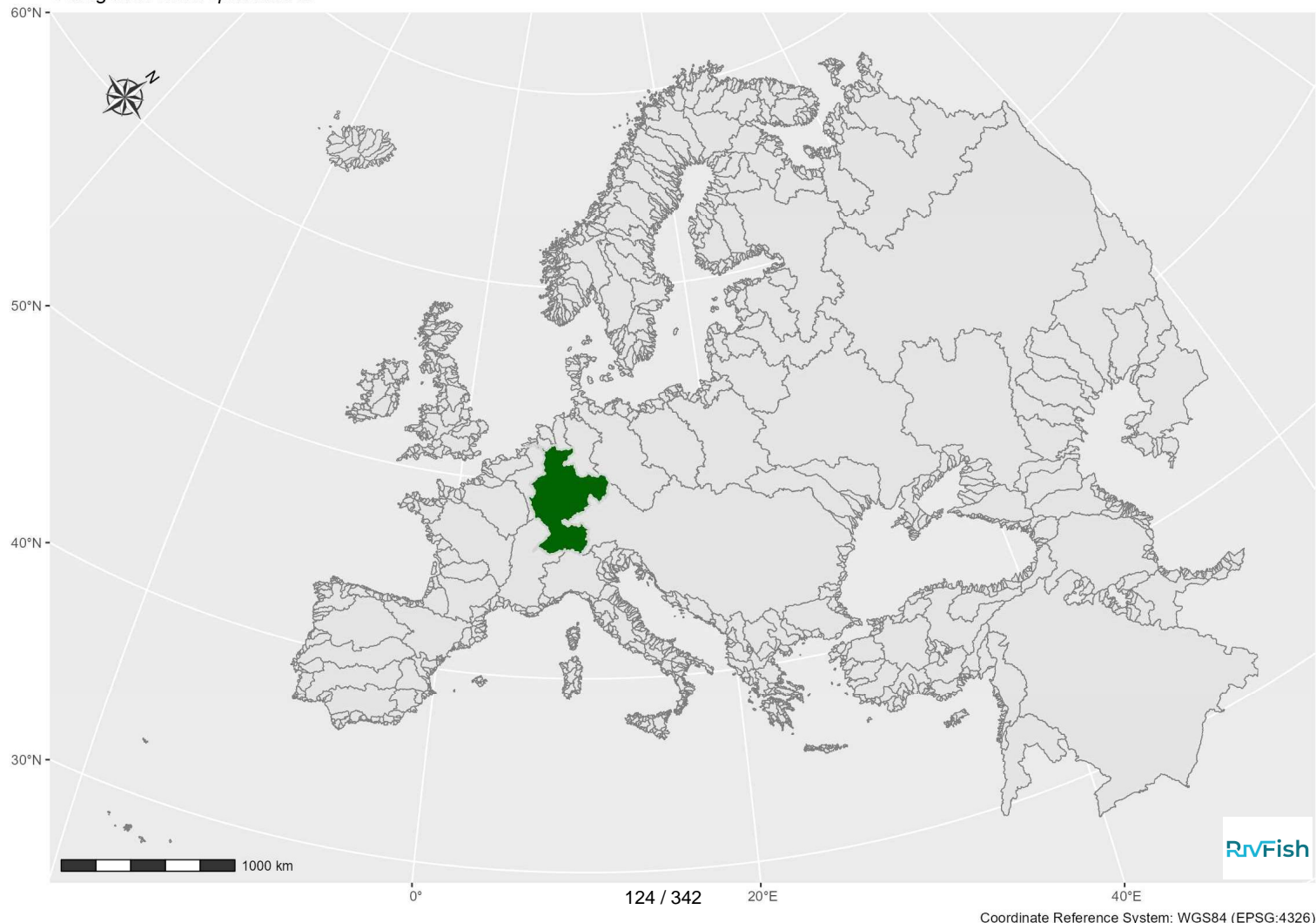
Coregonus lucinensis



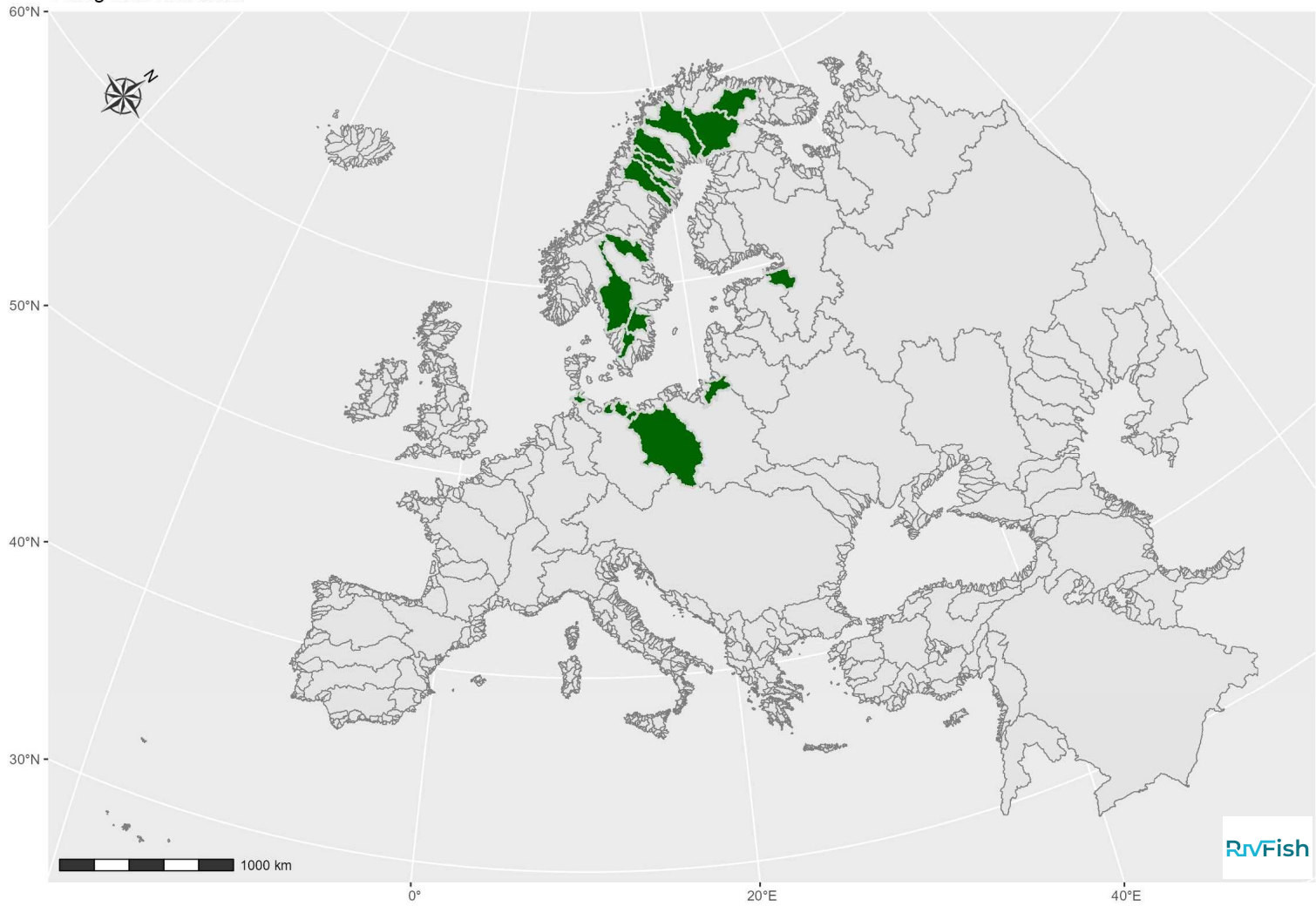
Coregonus lutokka



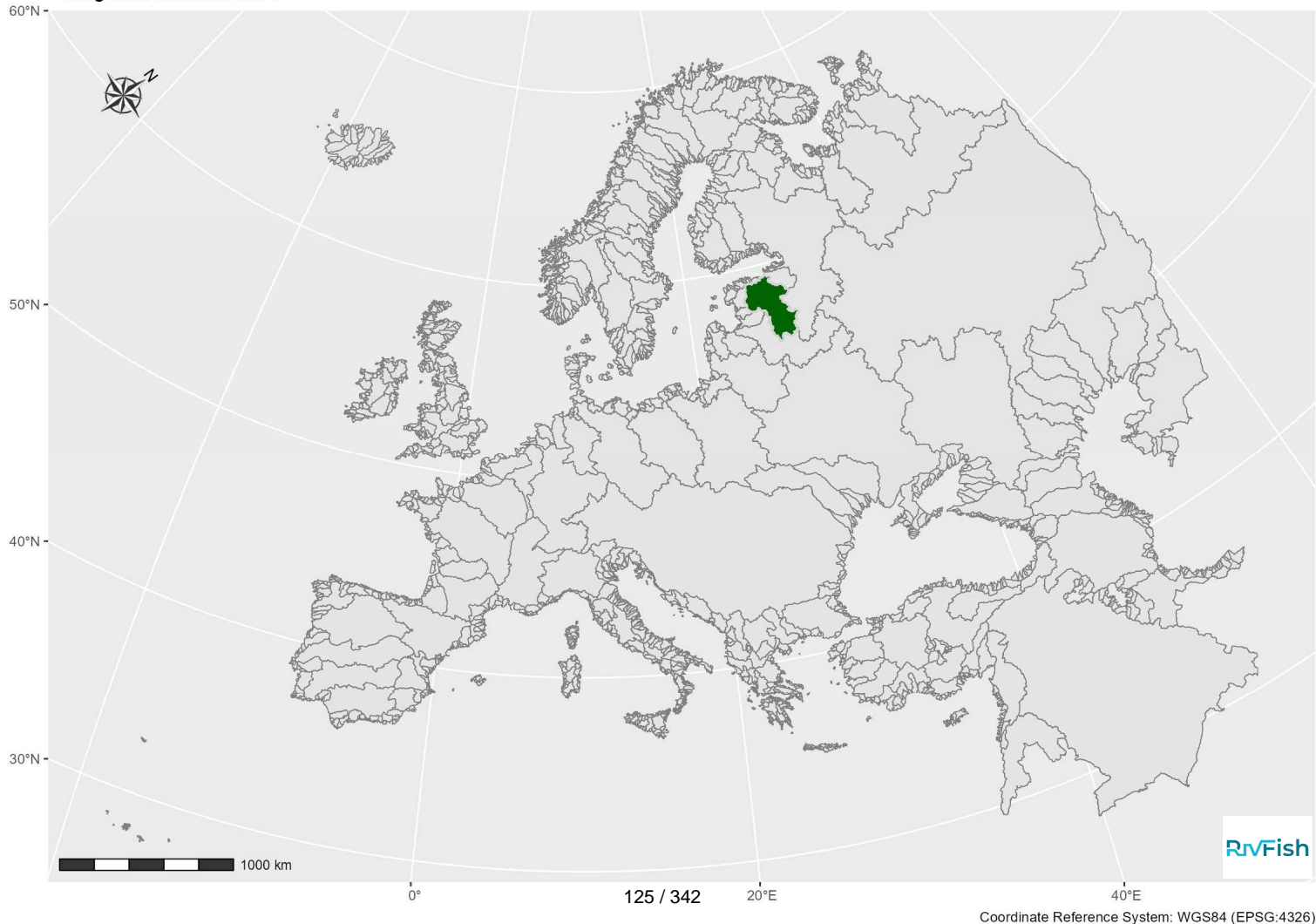
Coregonus macrophthalmus



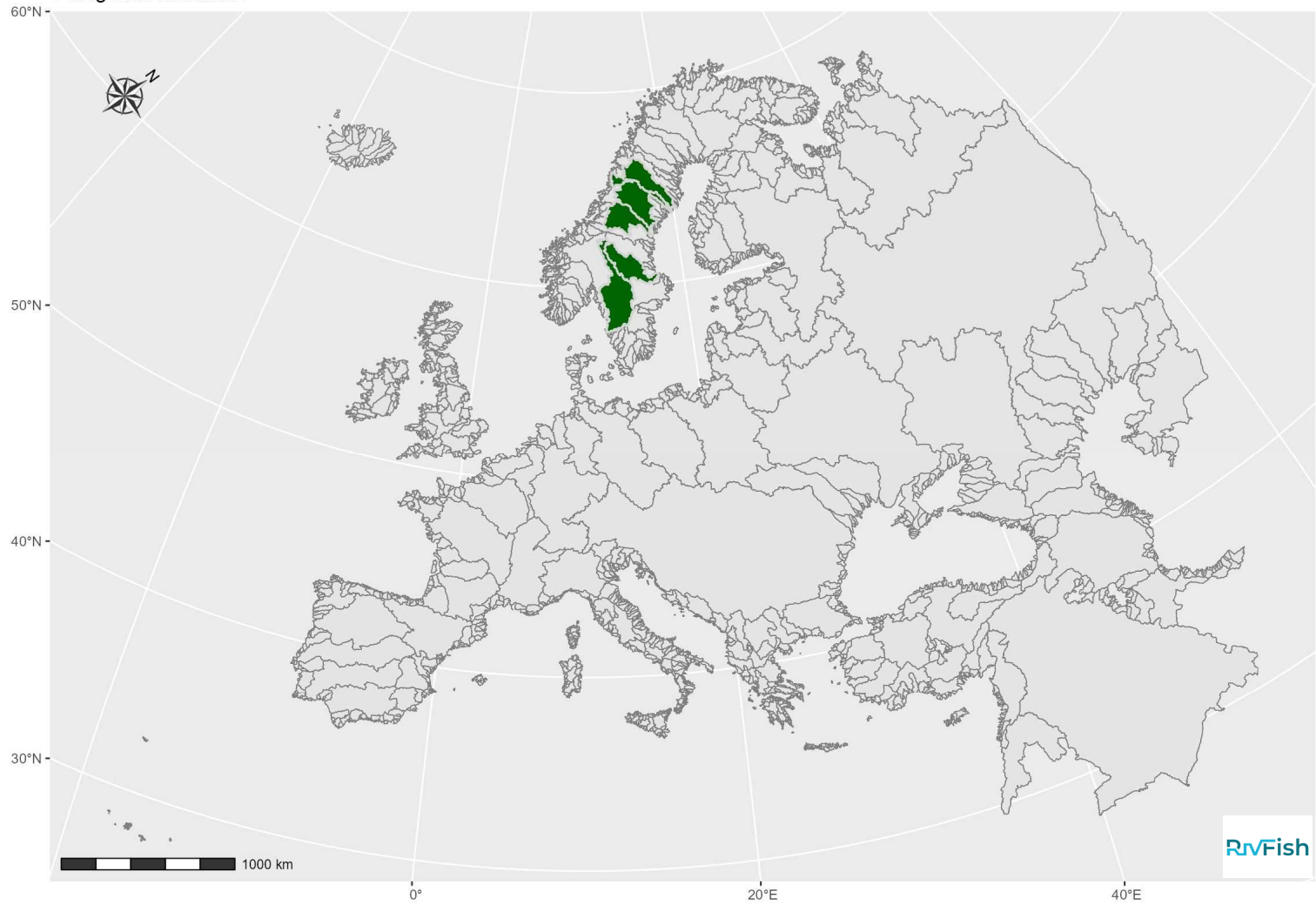
Coregonus maraena



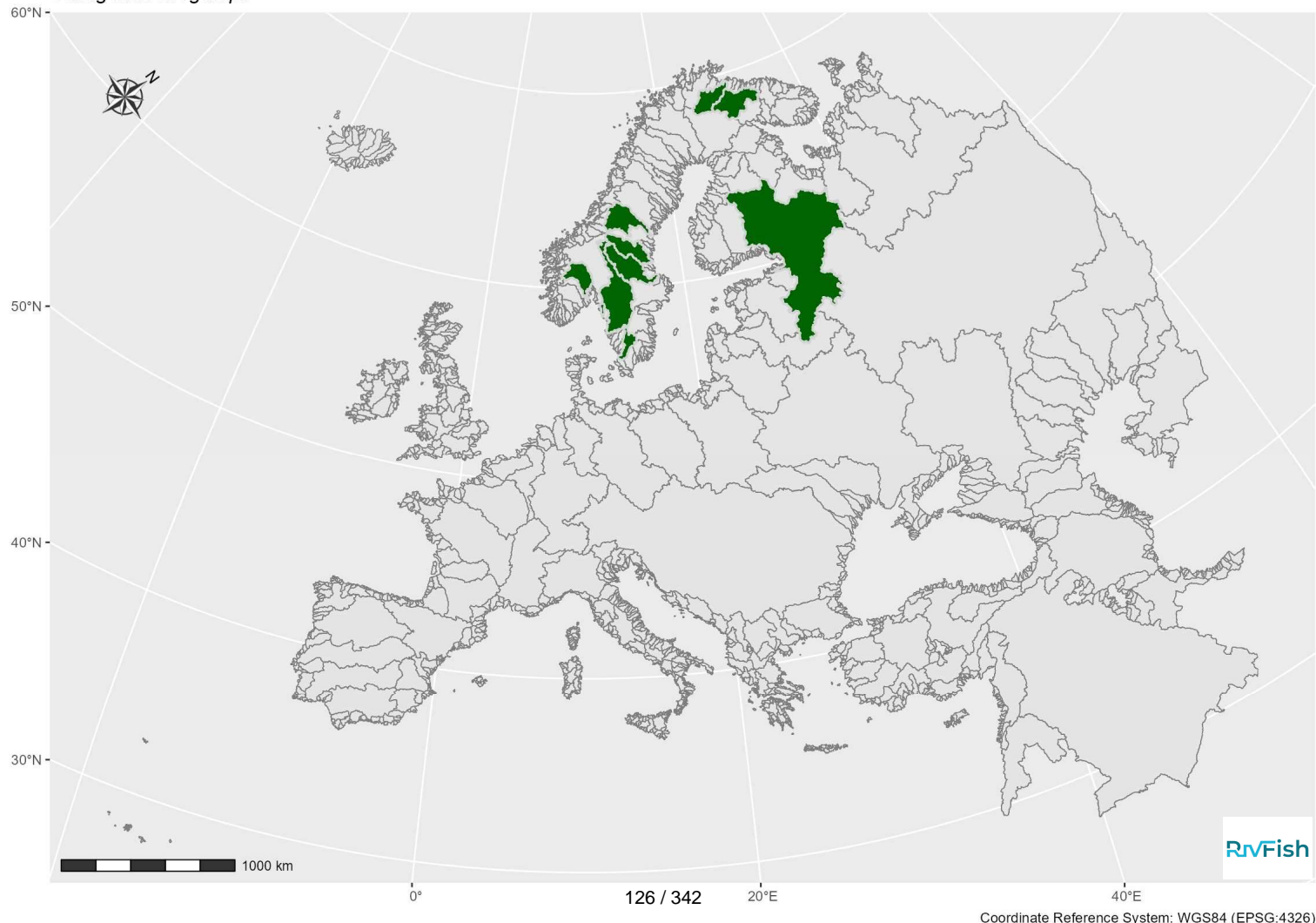
Coregonus maraenoides



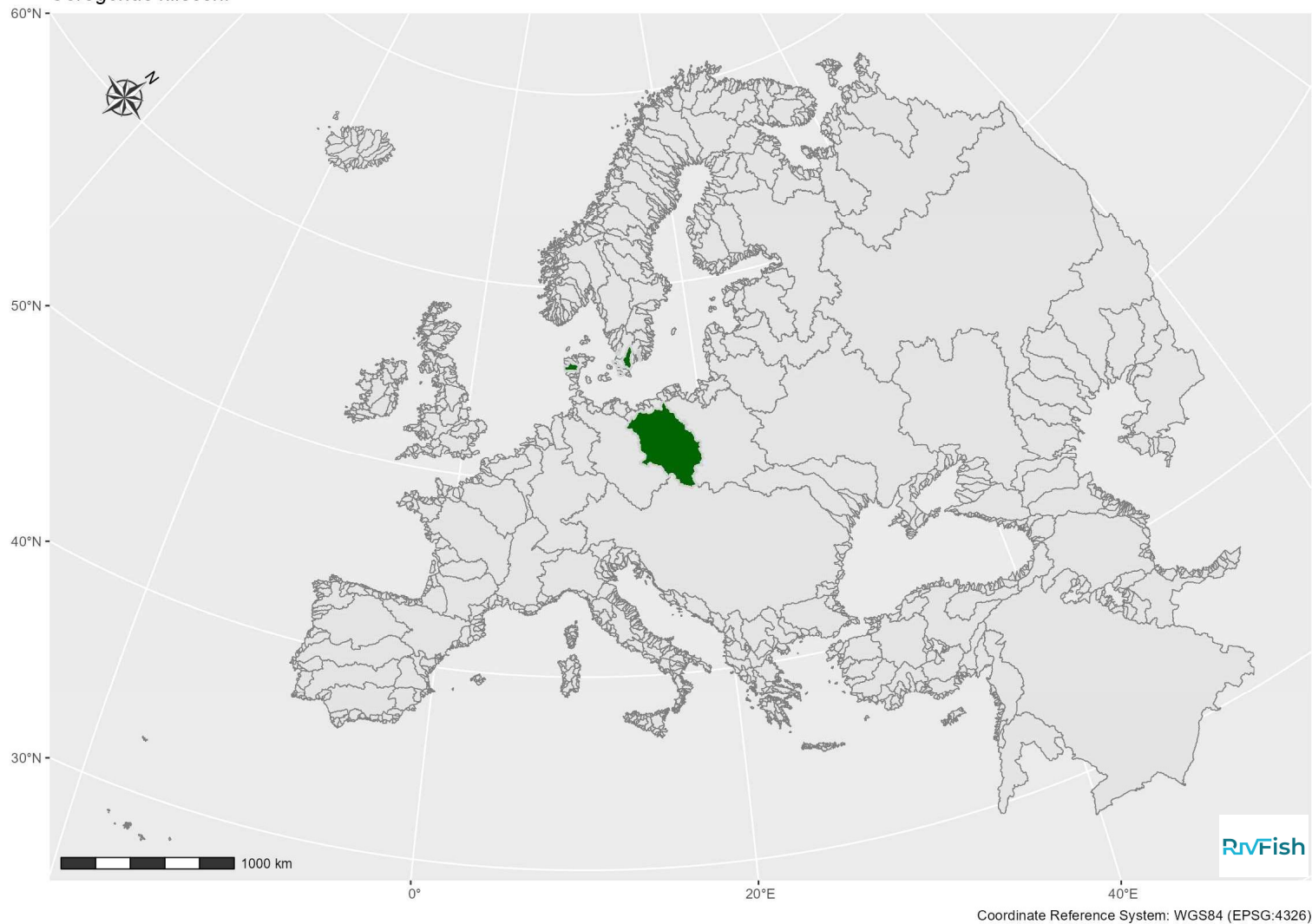
Coregonus maxillaris



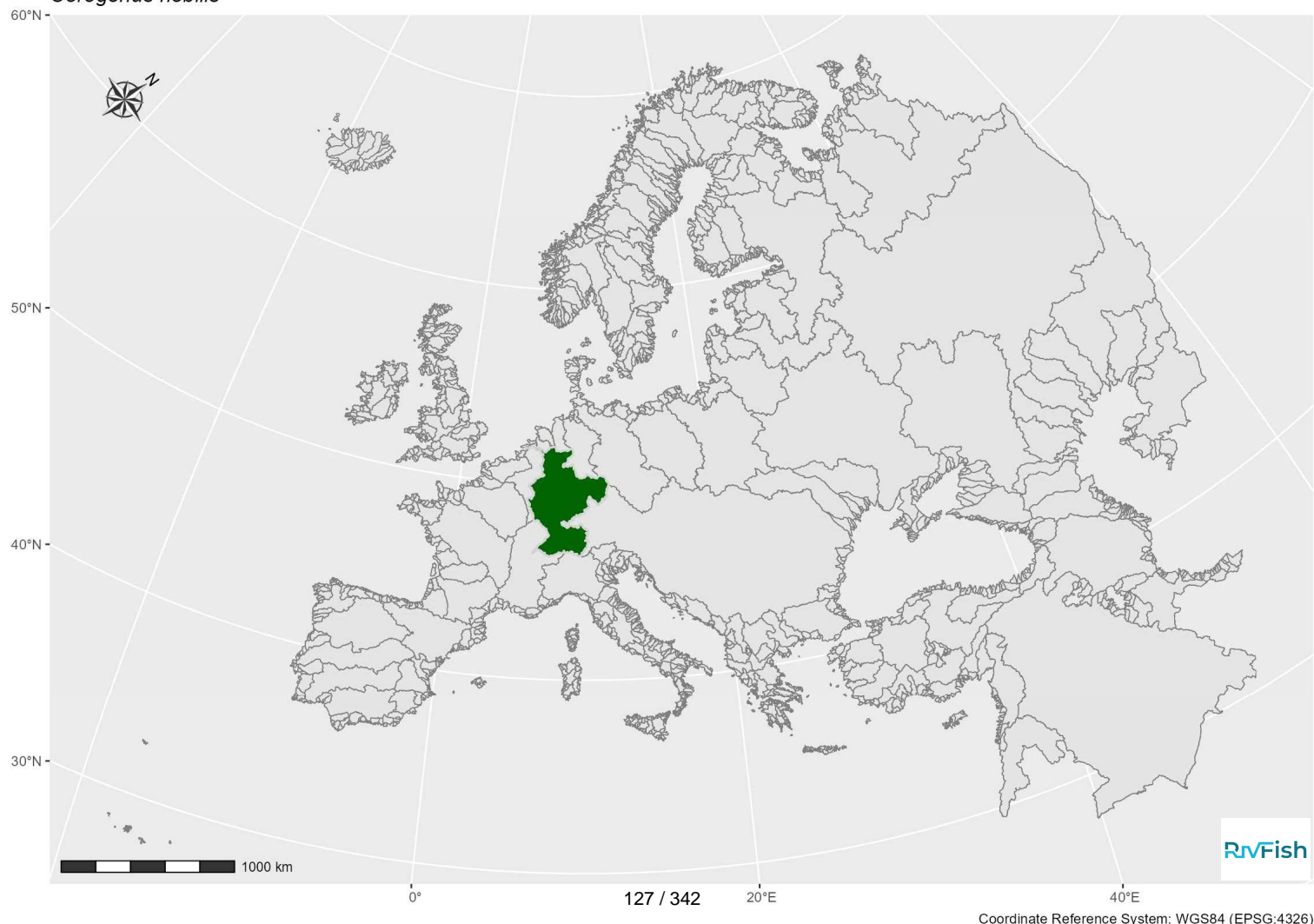
Coregonus megalops



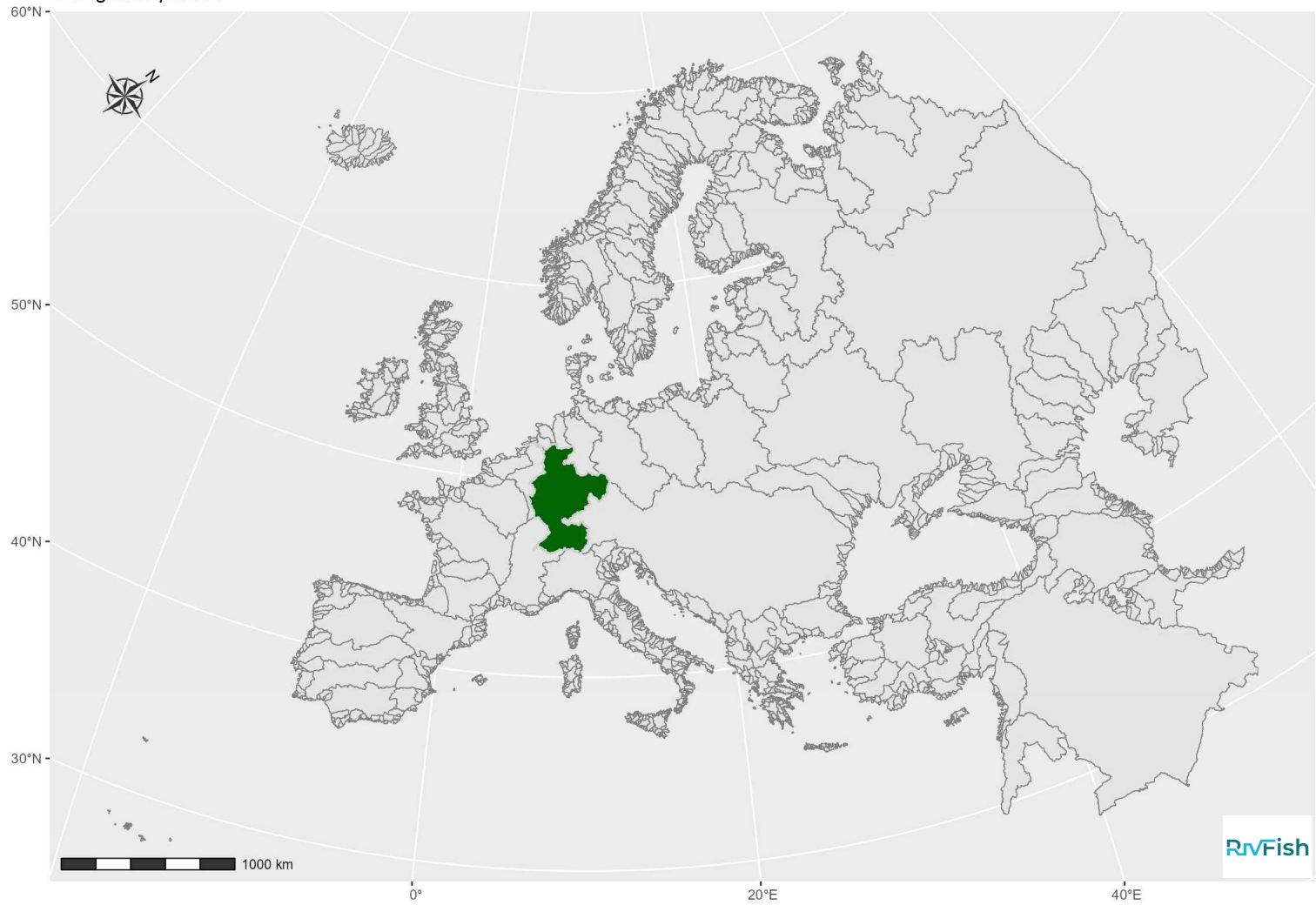
Coregonus nilssonii



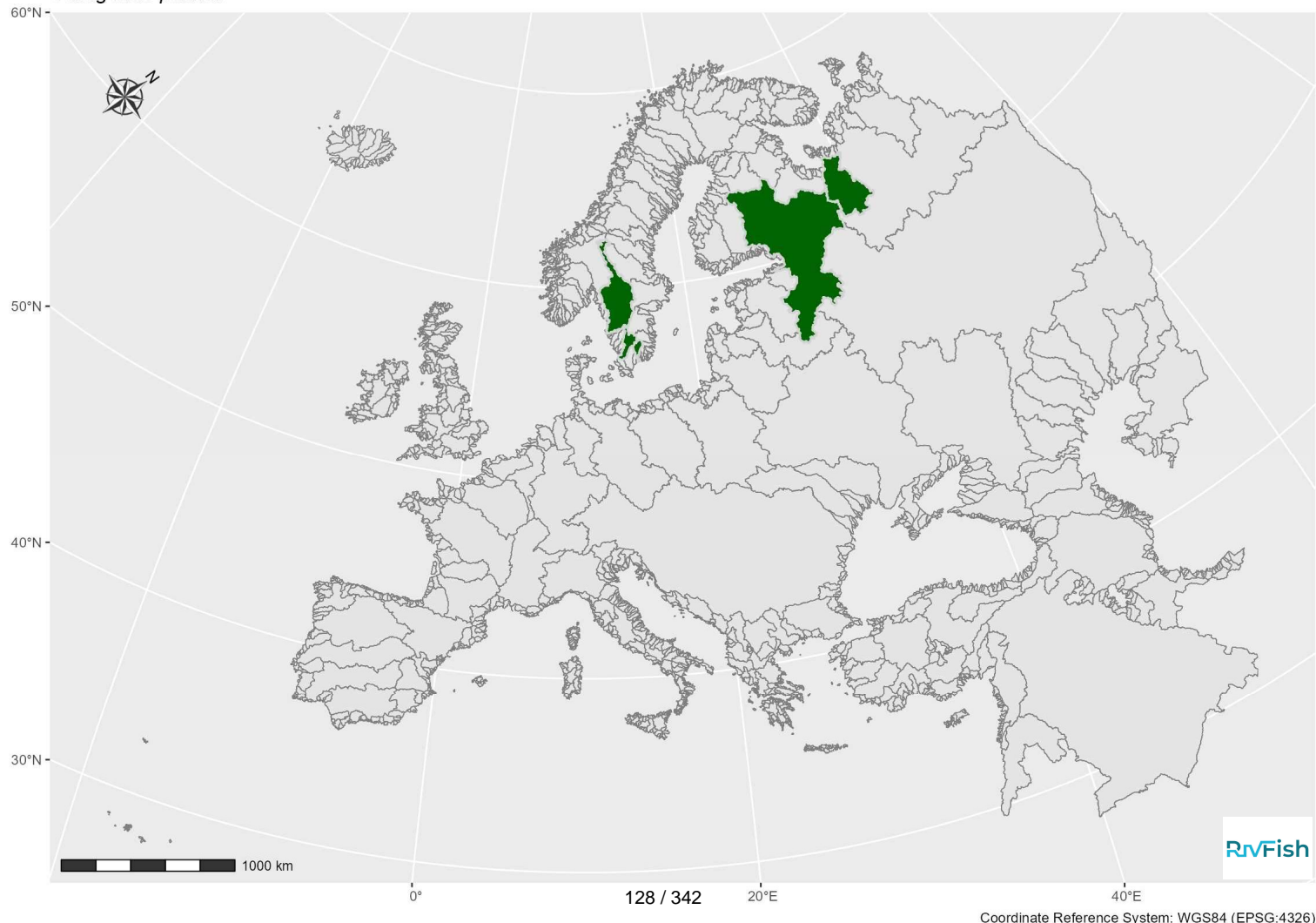
Coregonus nobilis



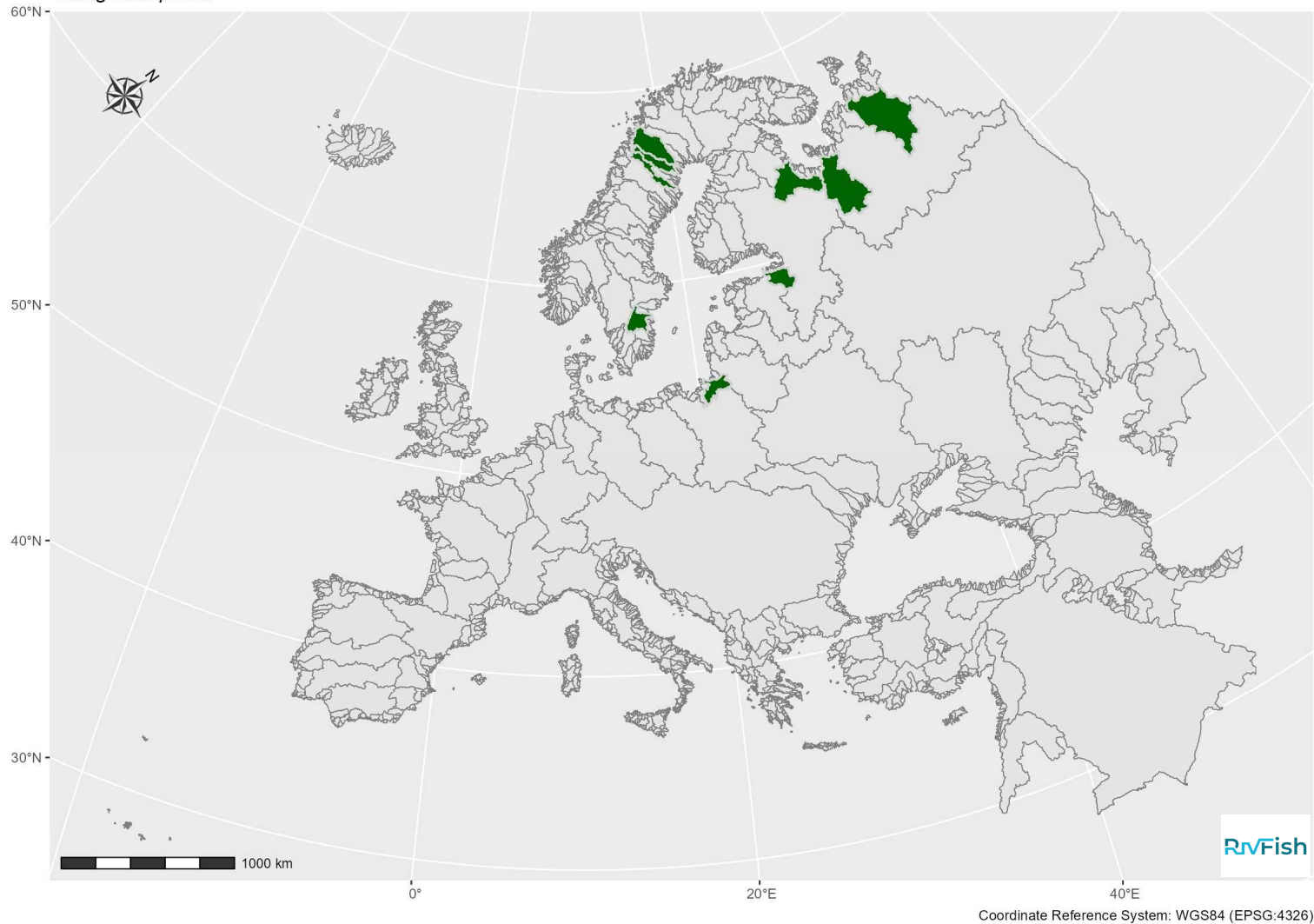
Coregonus palaea



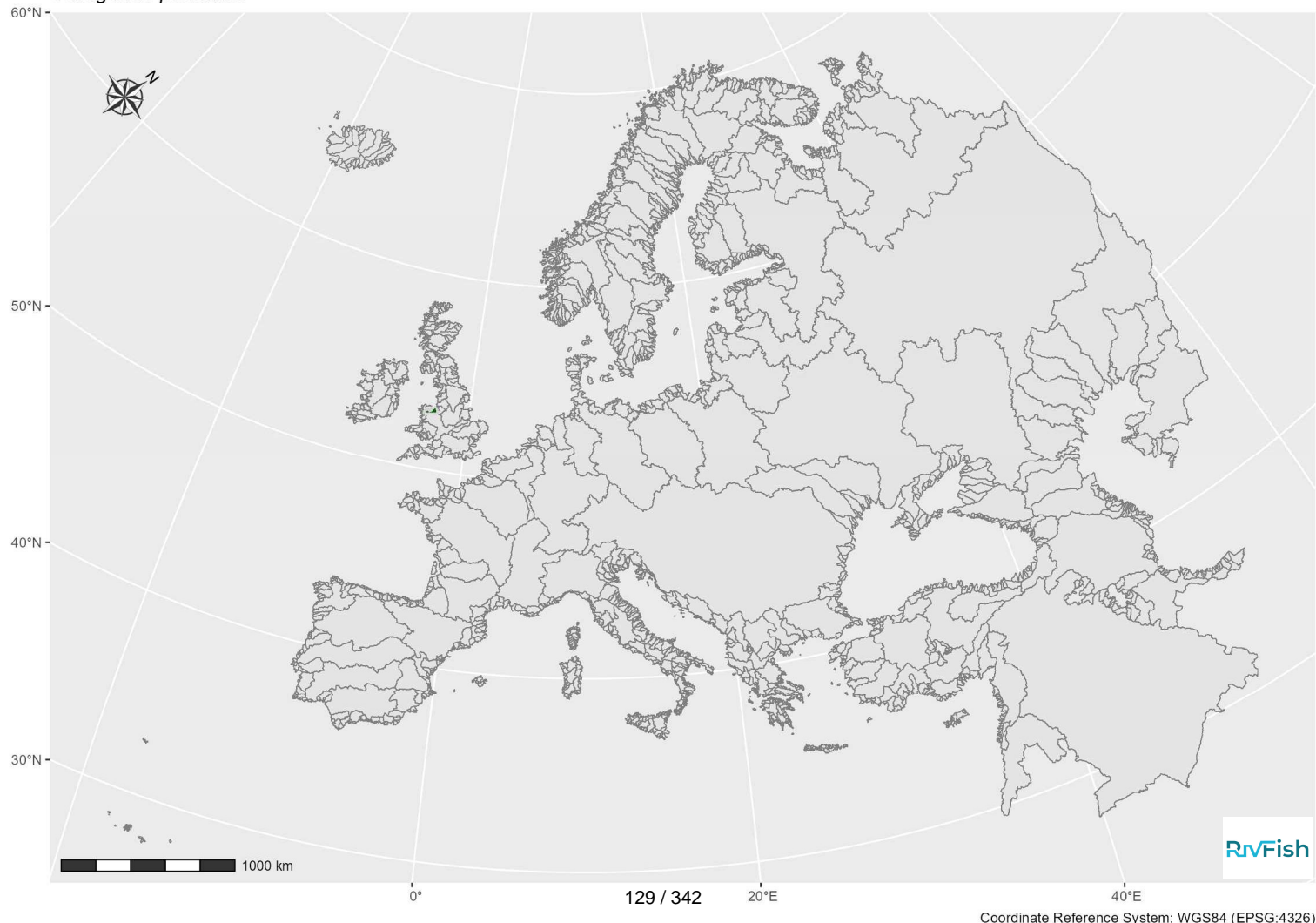
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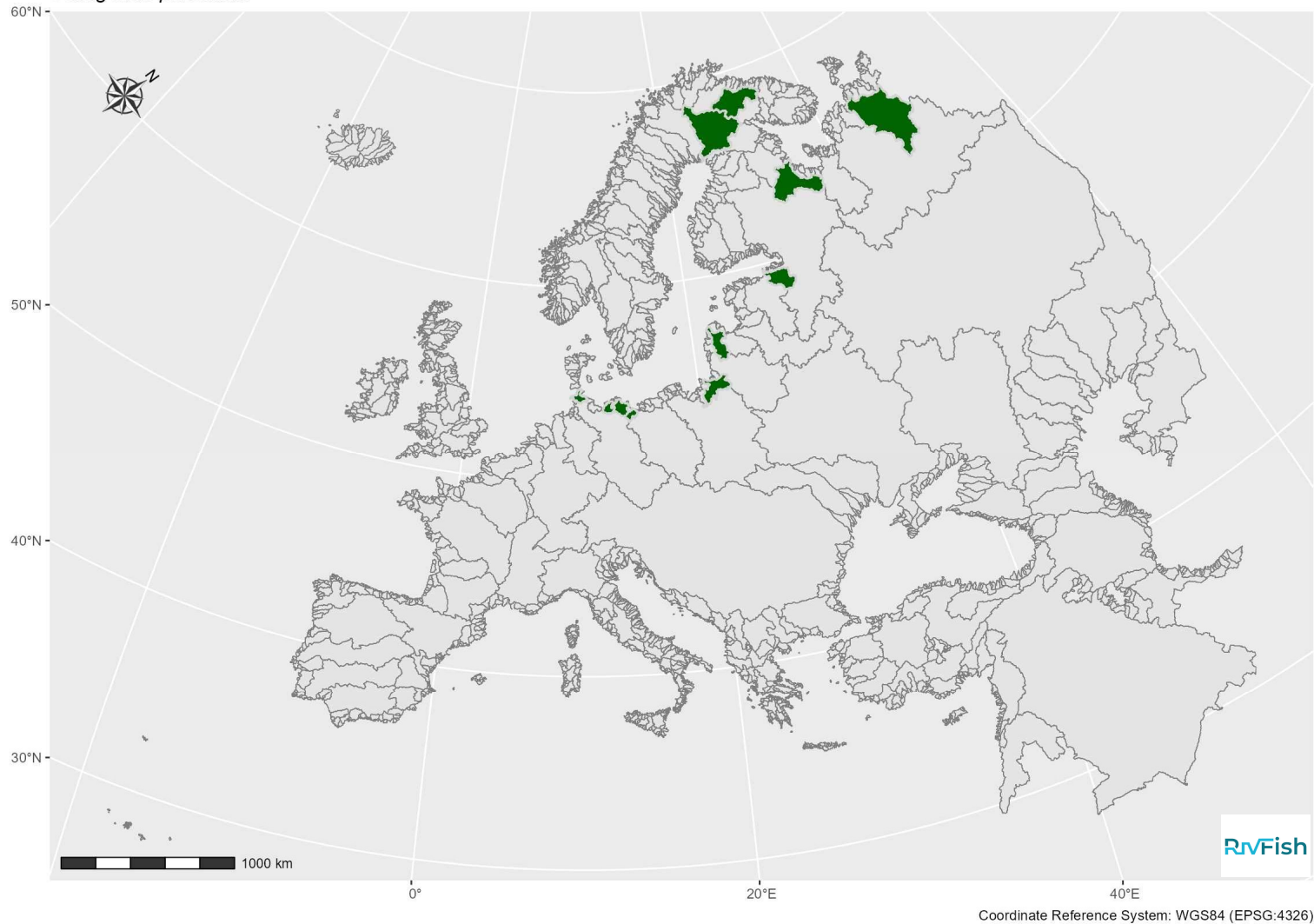
Coregonus peled



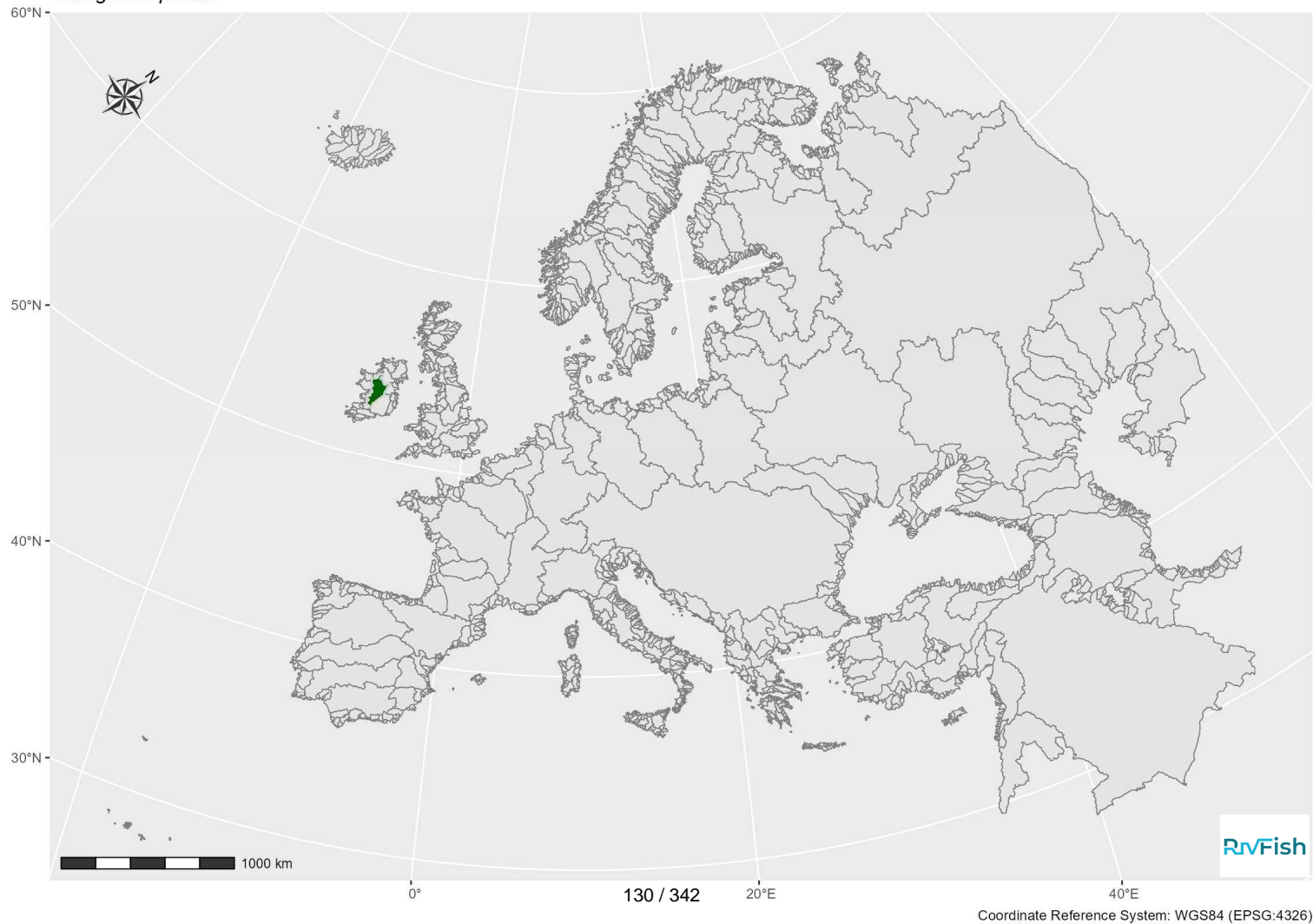
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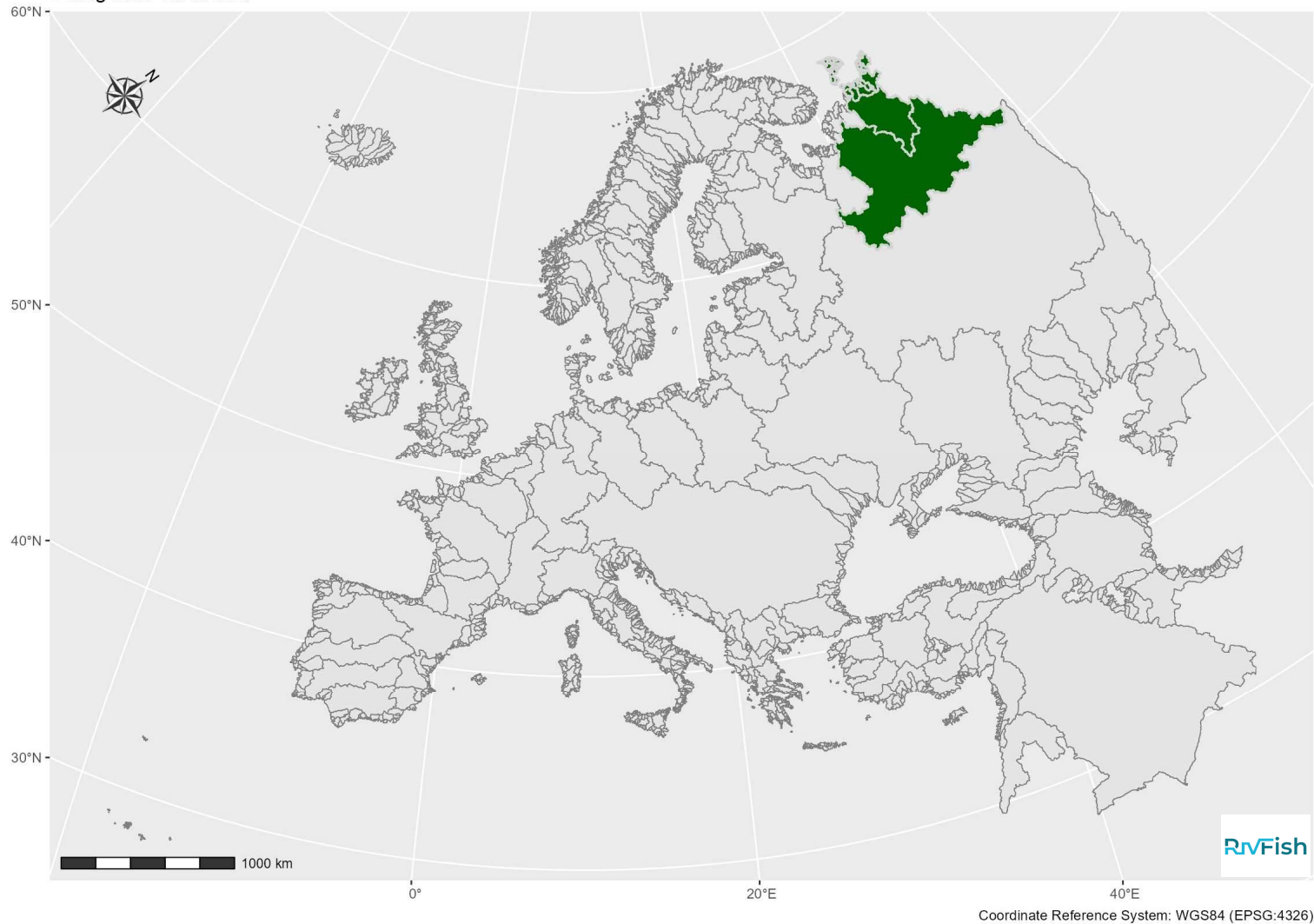
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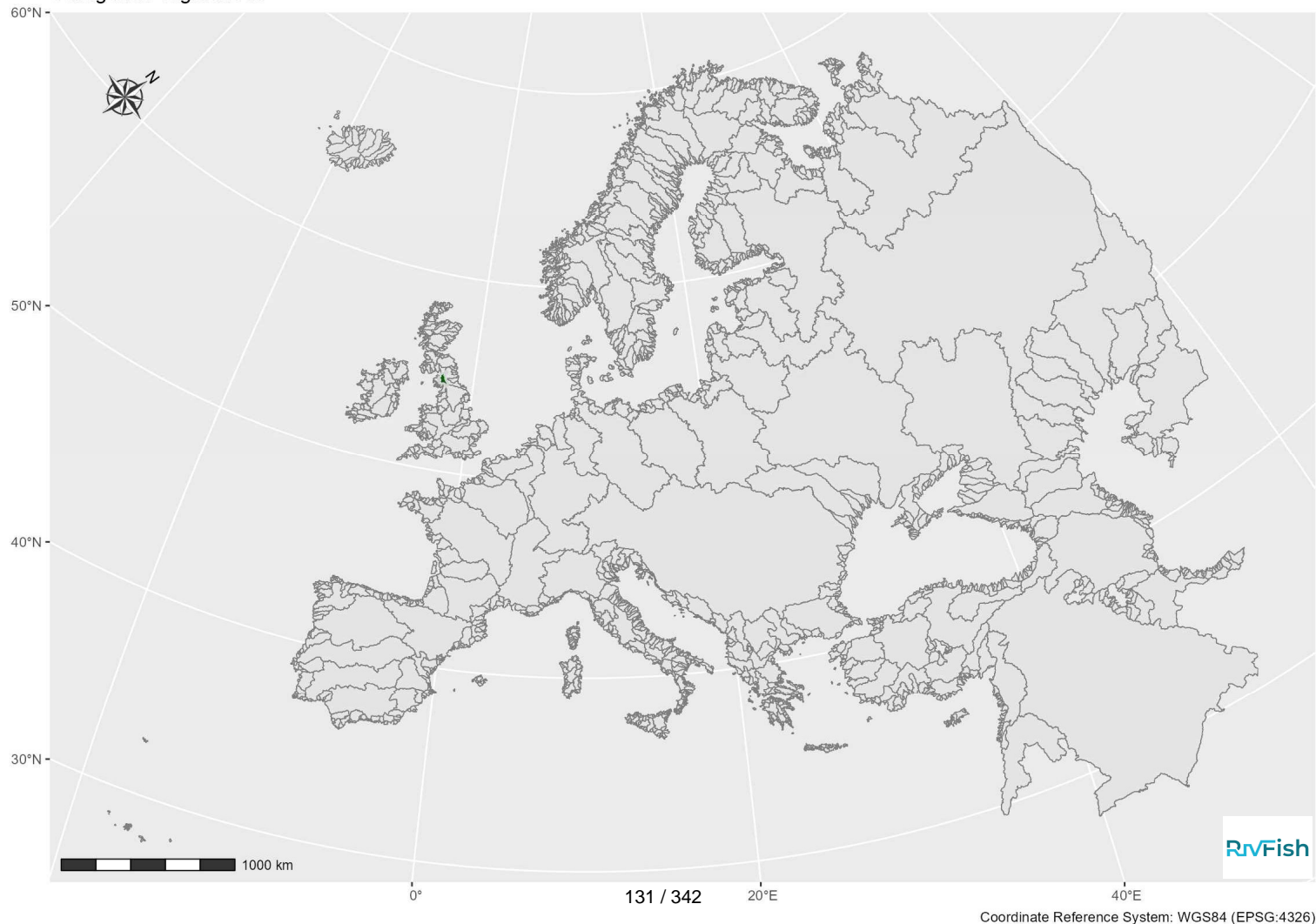
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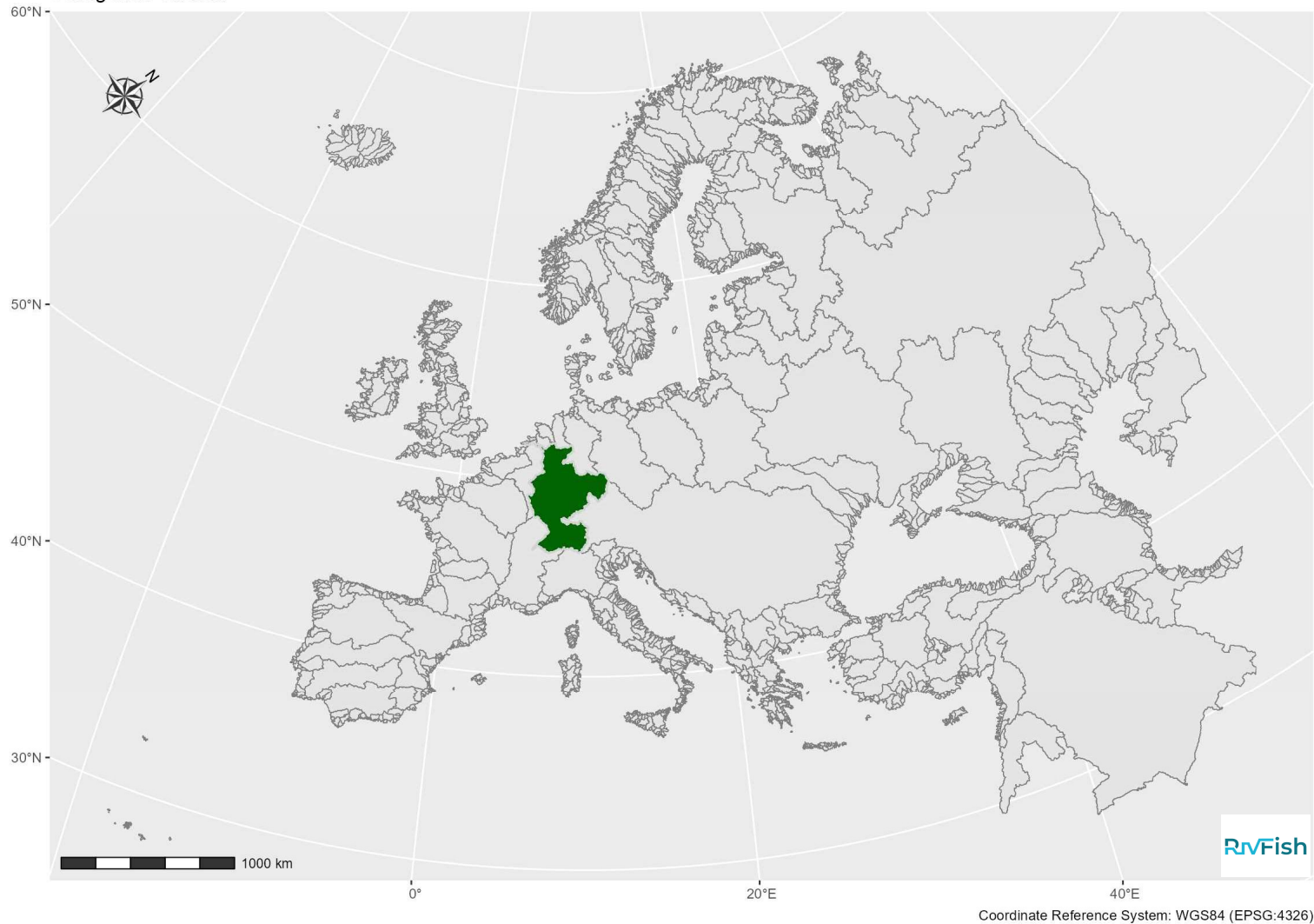
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Coregonus stigmaticus



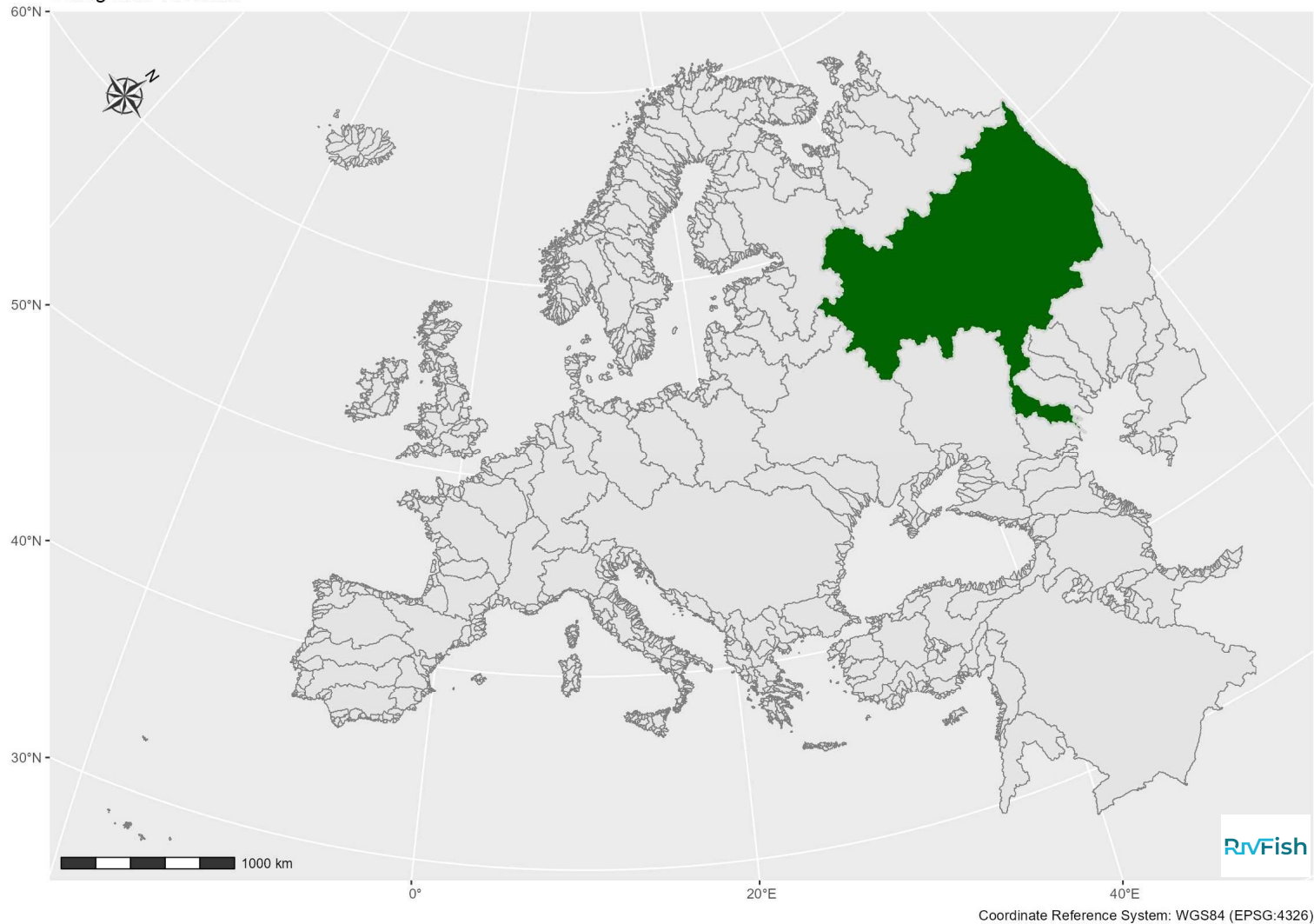
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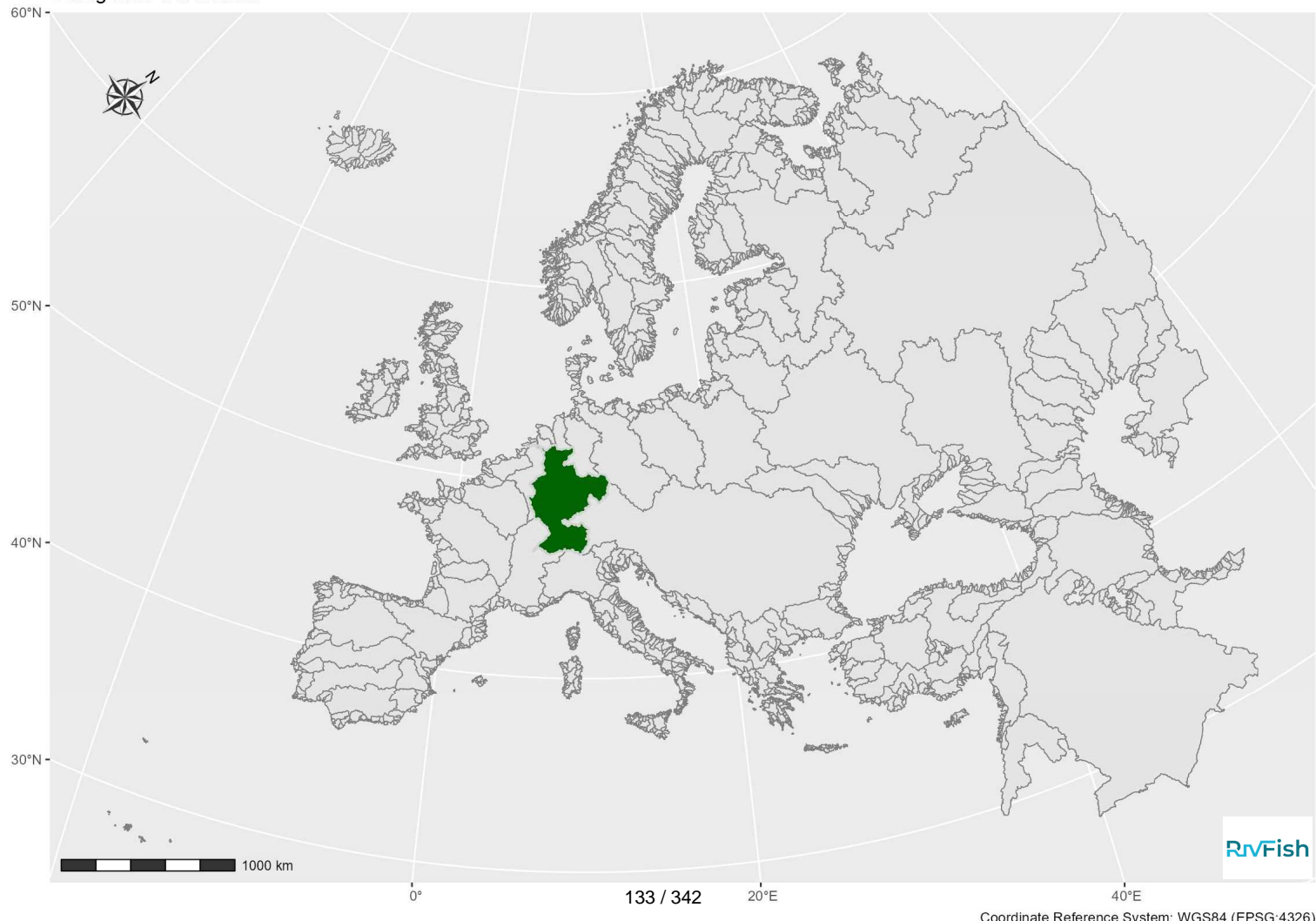
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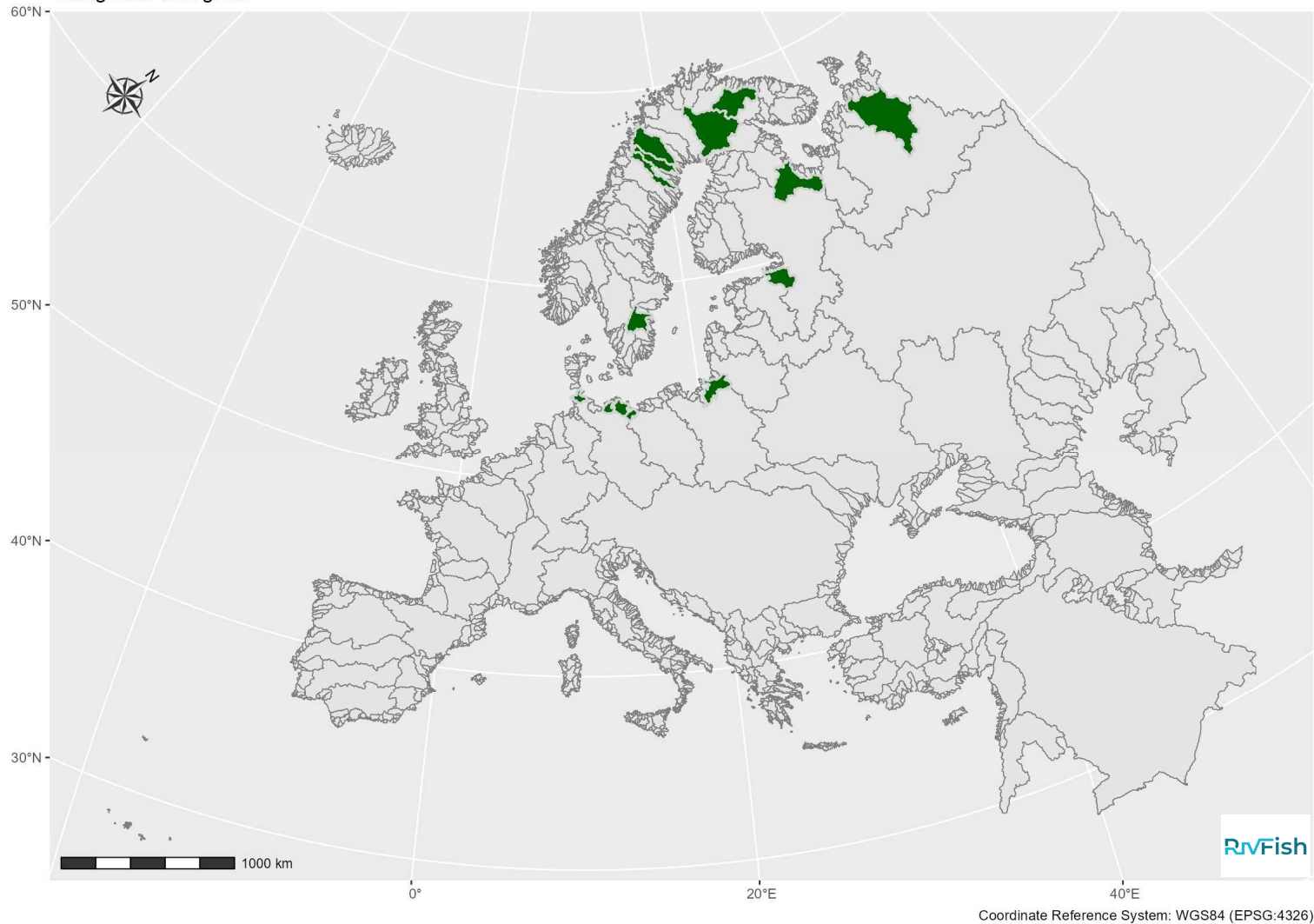
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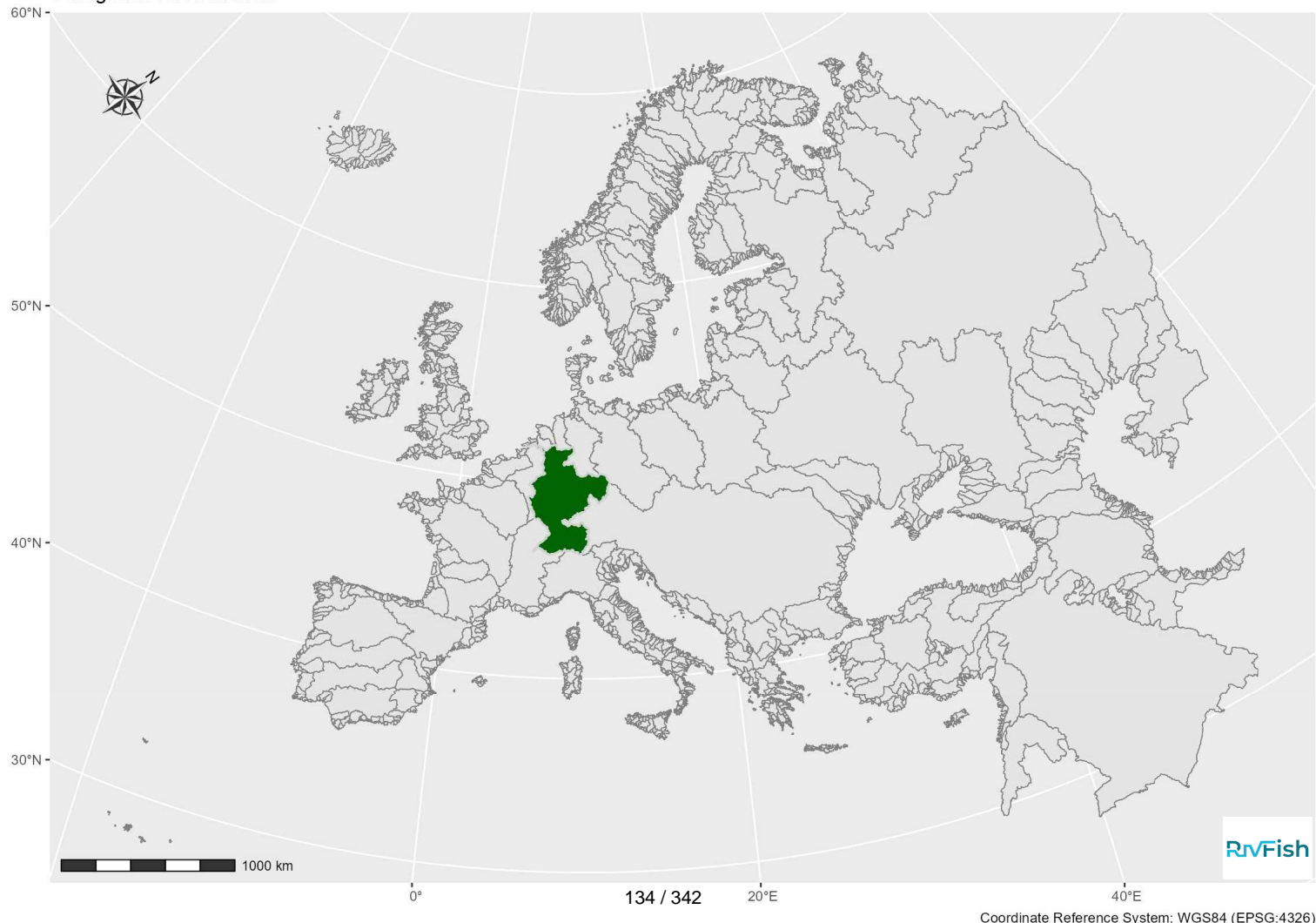
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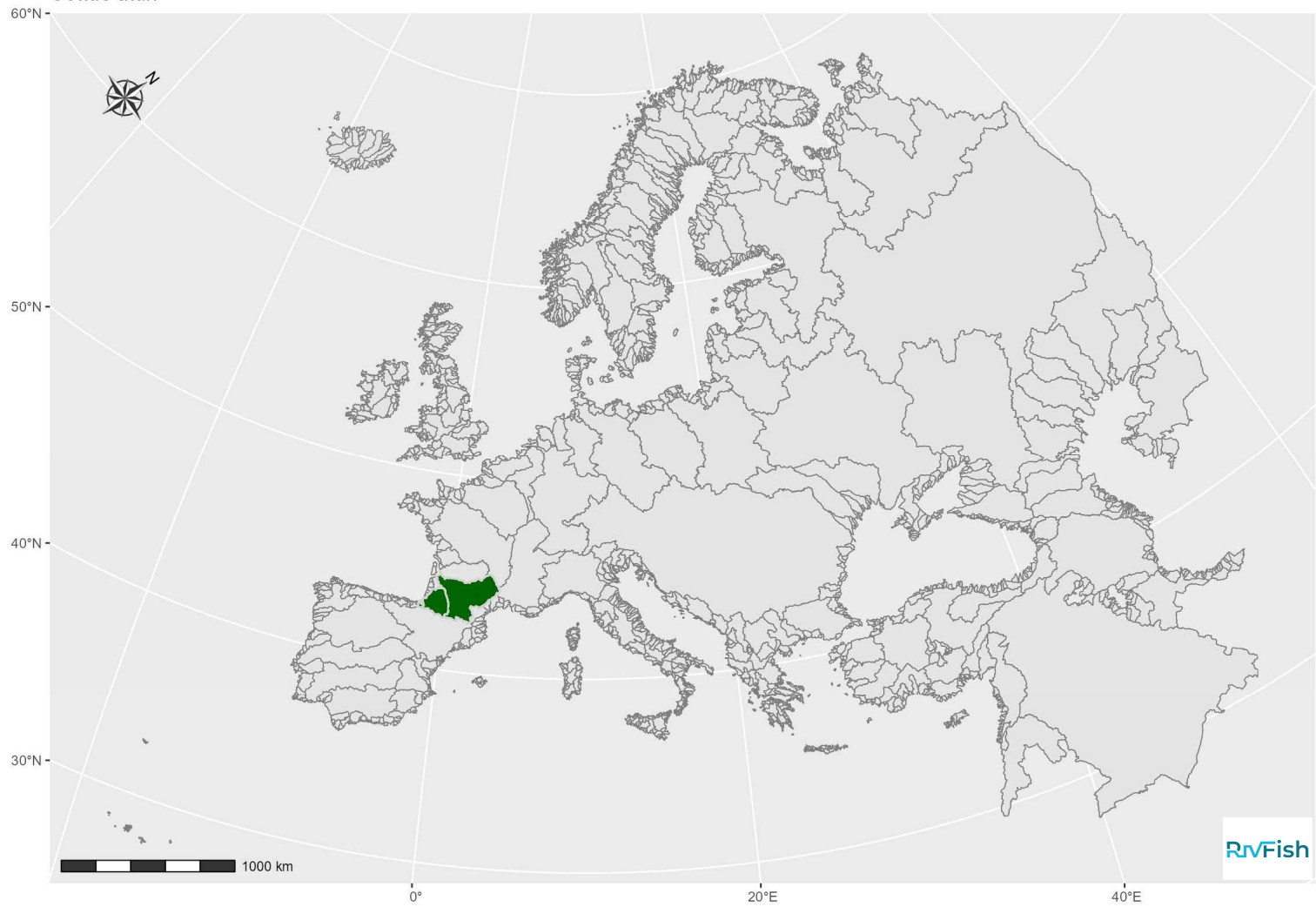
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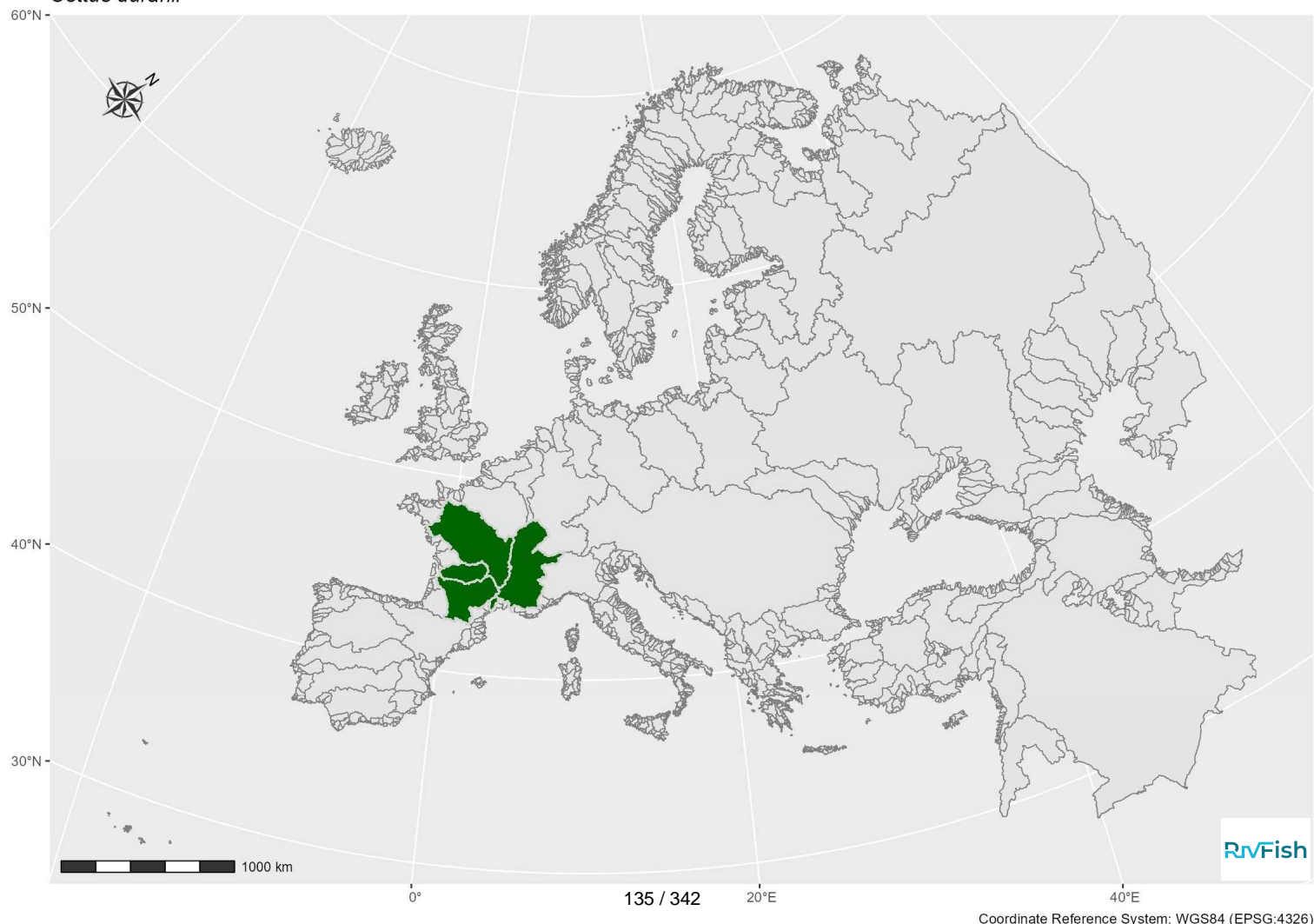
Coregonus zuerichensis



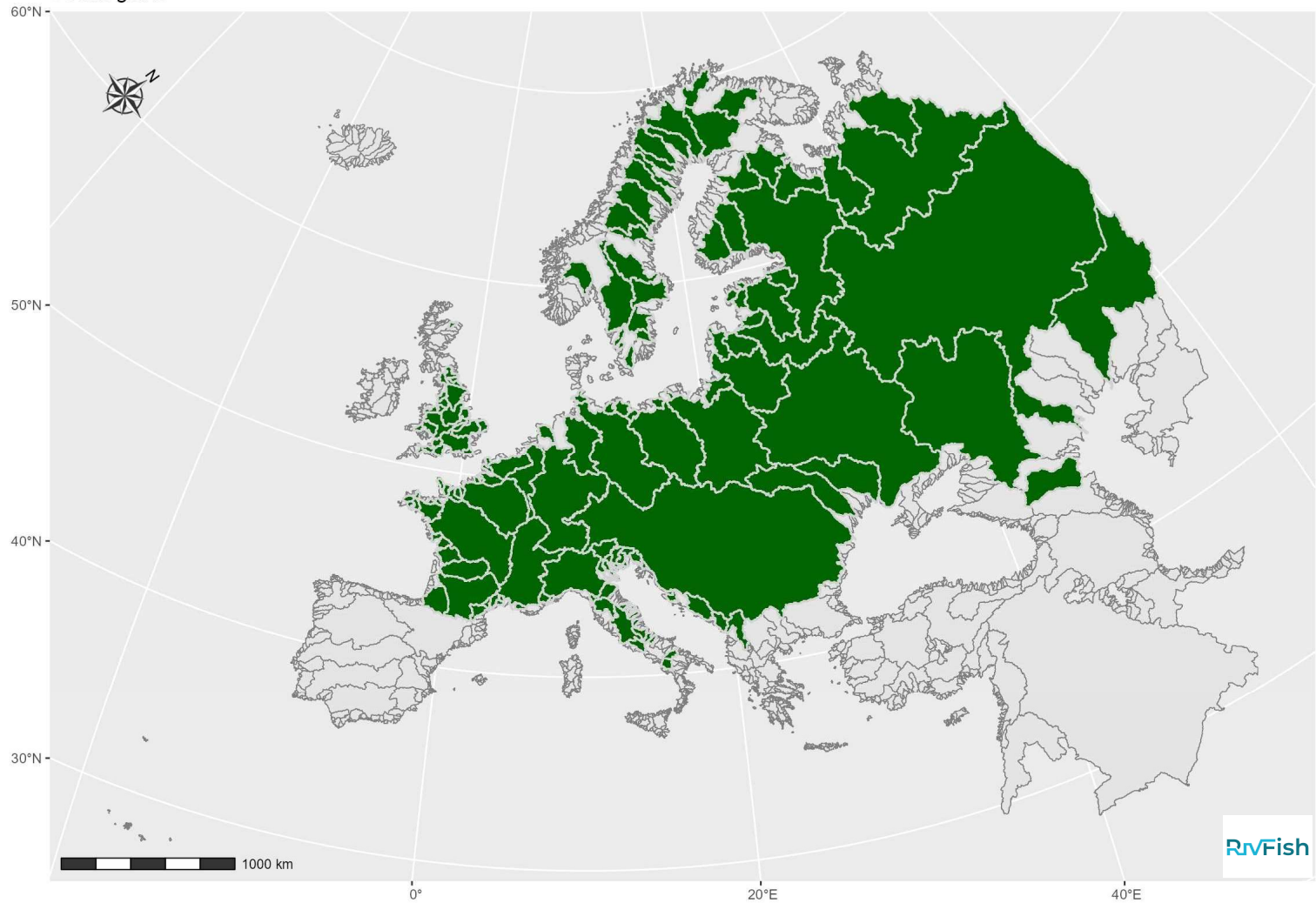
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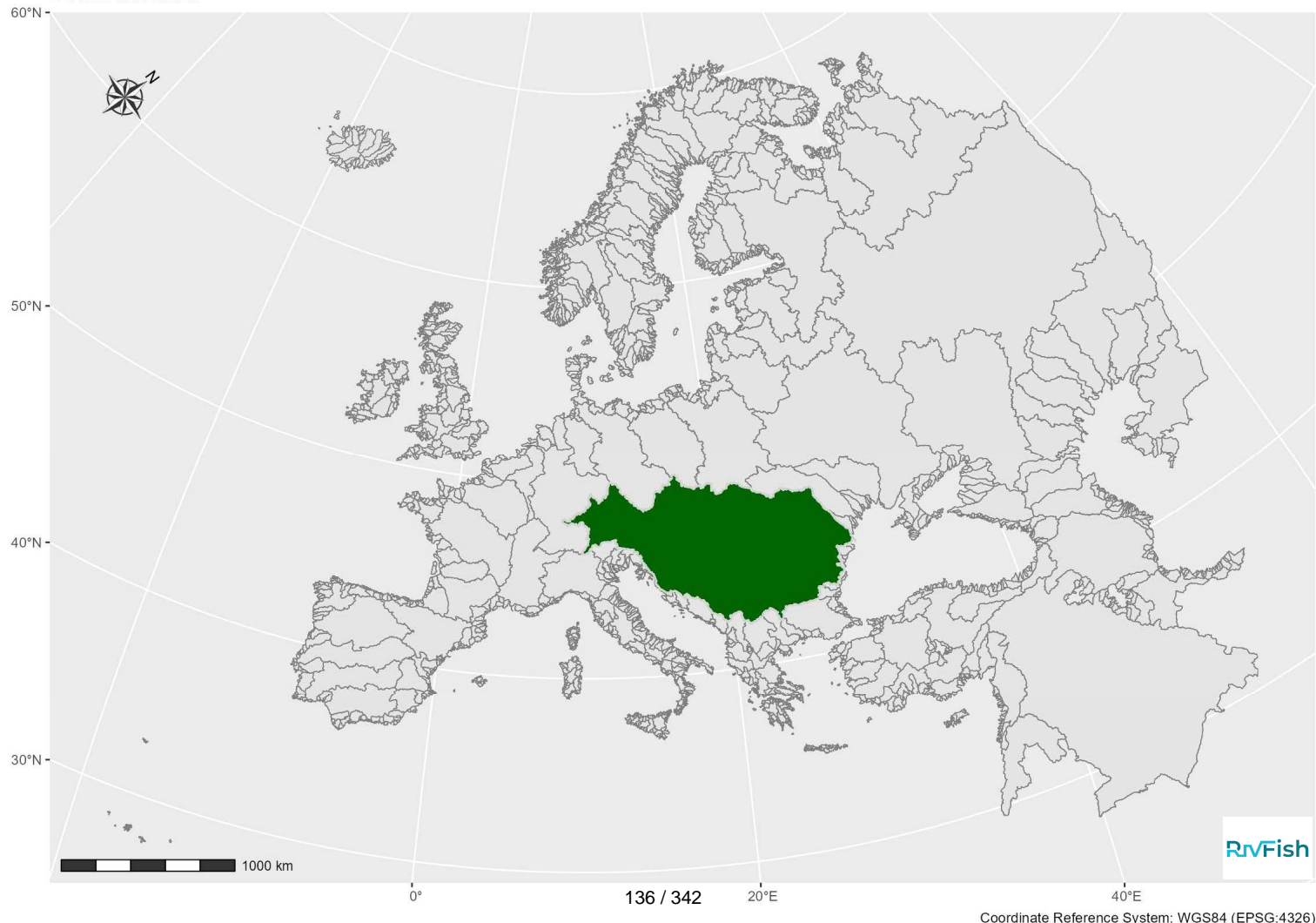
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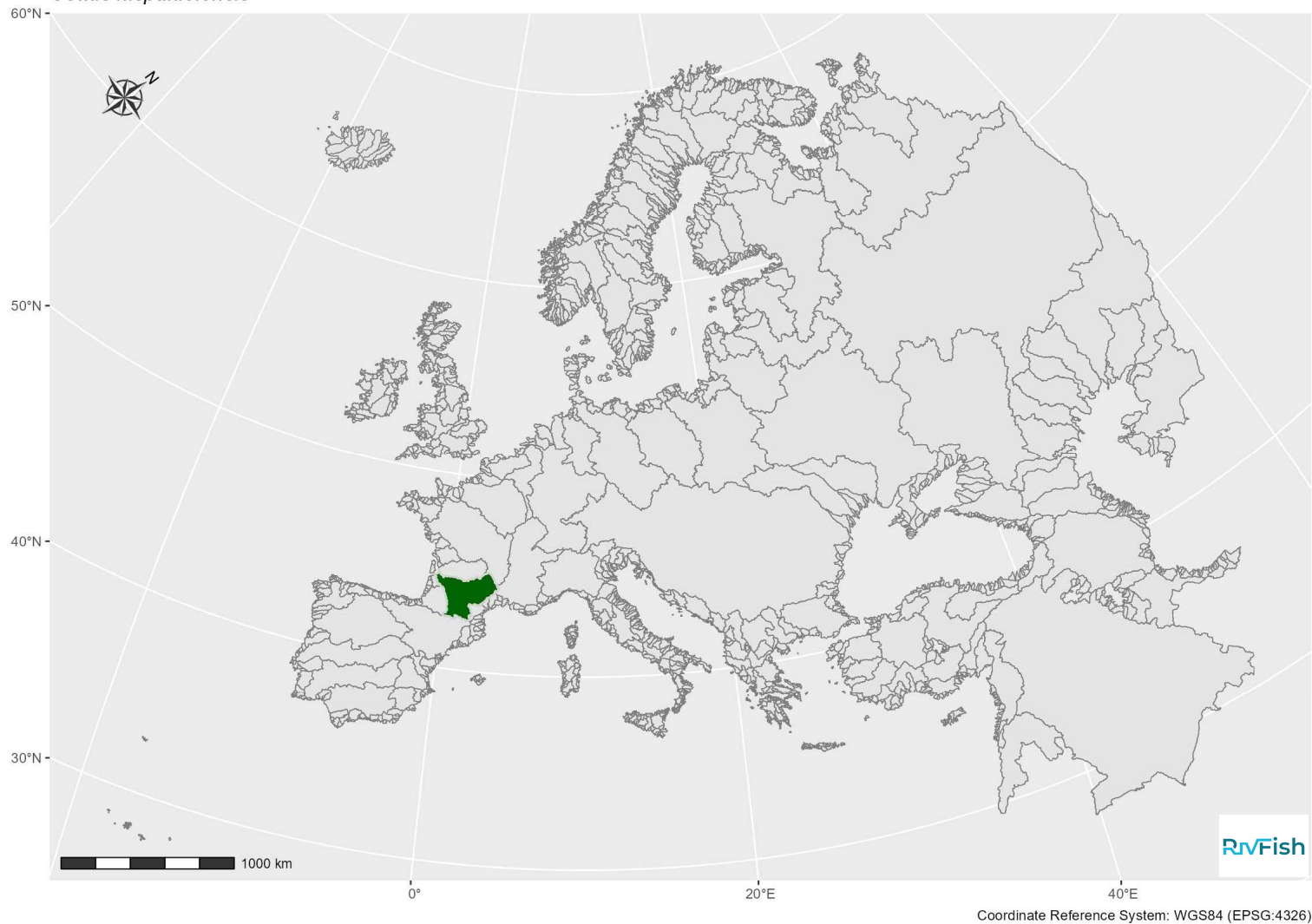
Cottus gobio



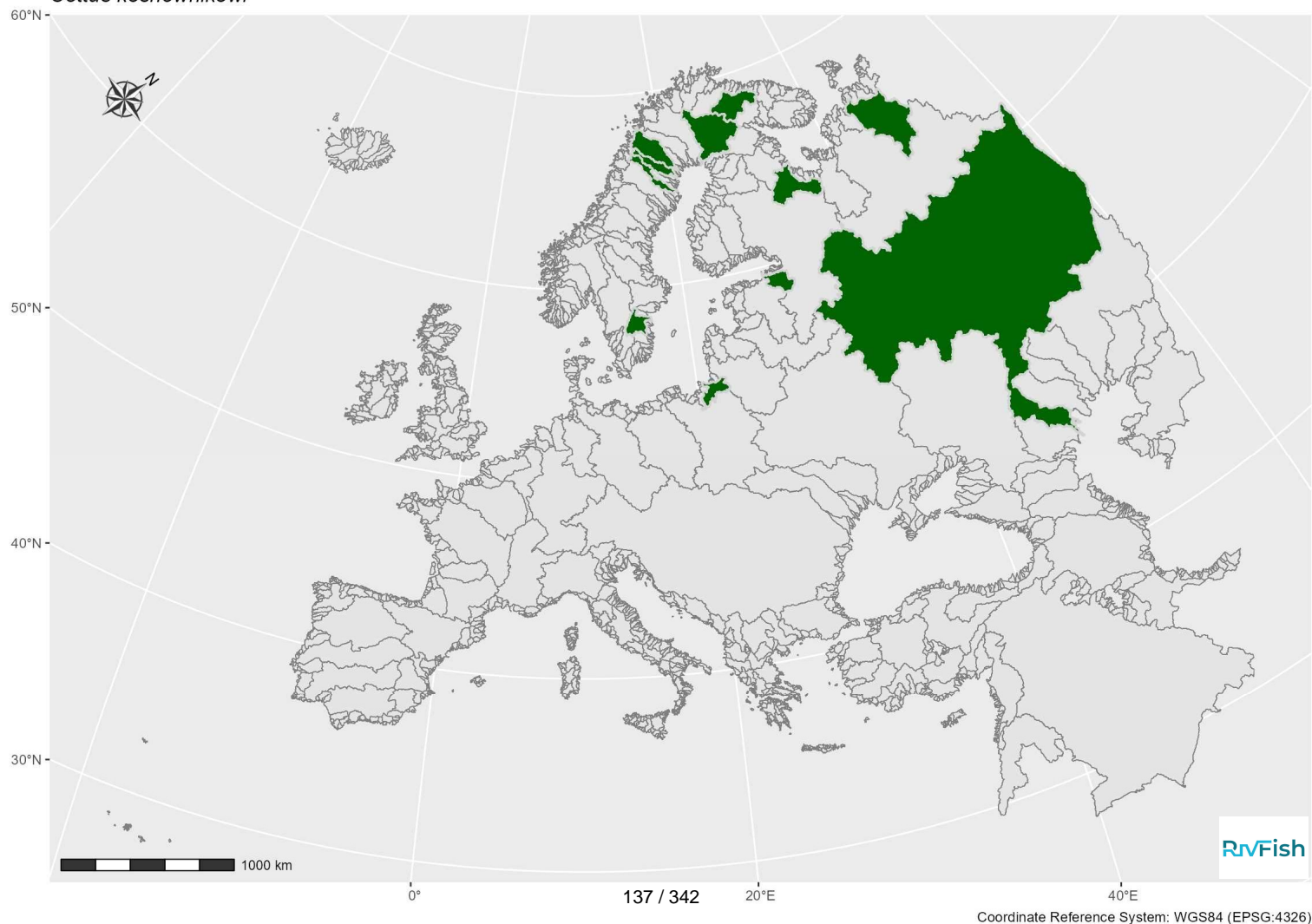
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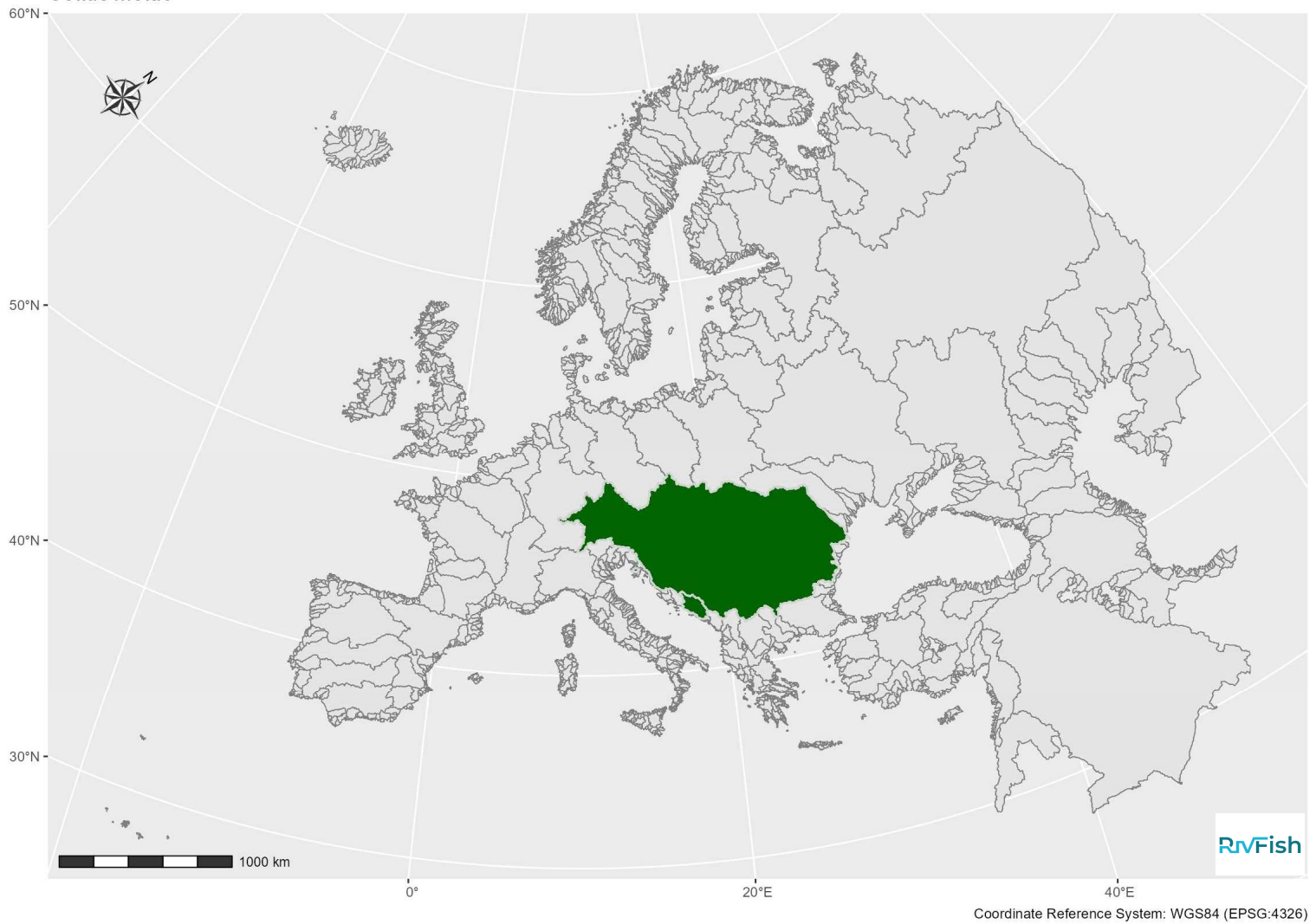
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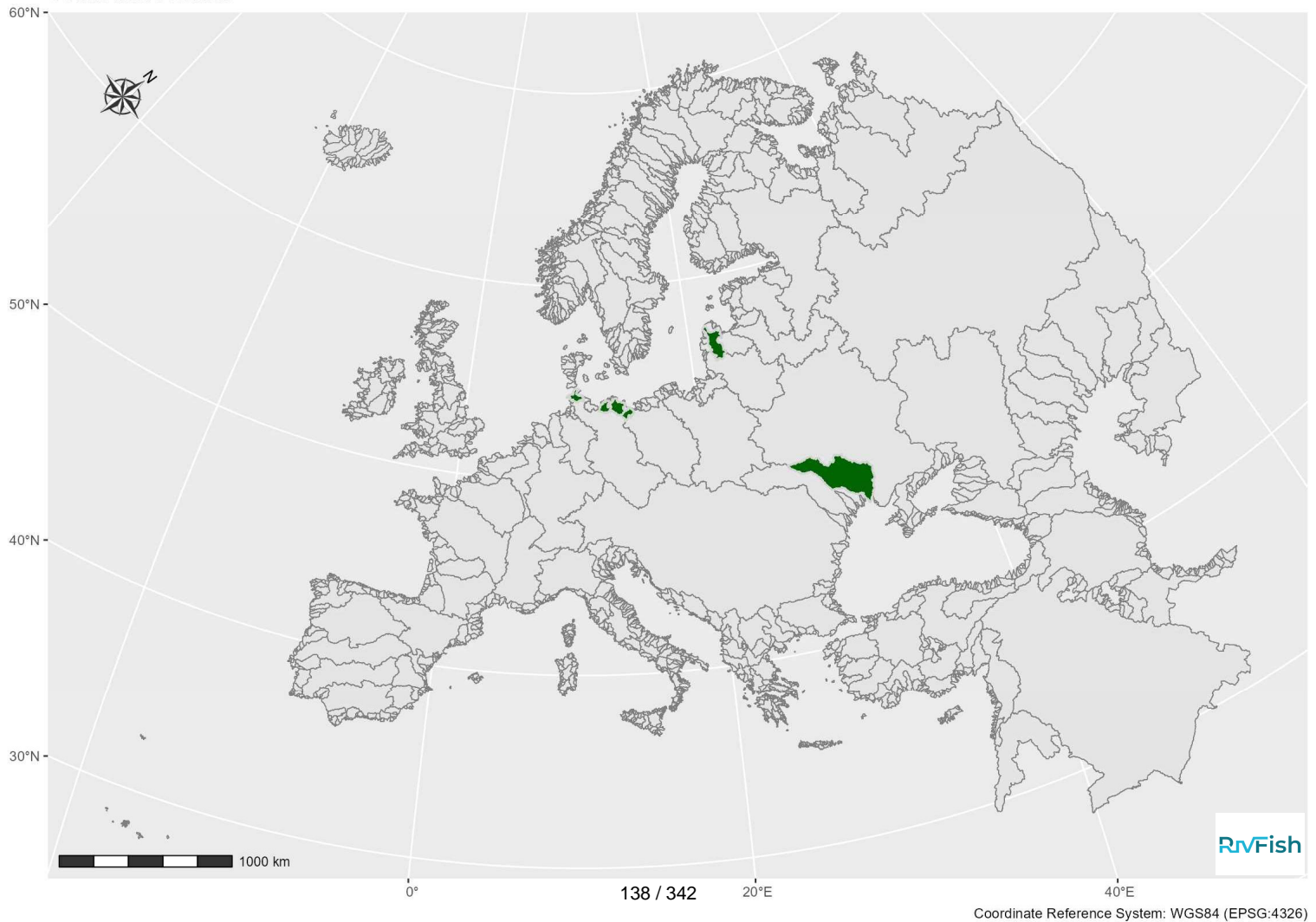
Cottus koshewnikowi



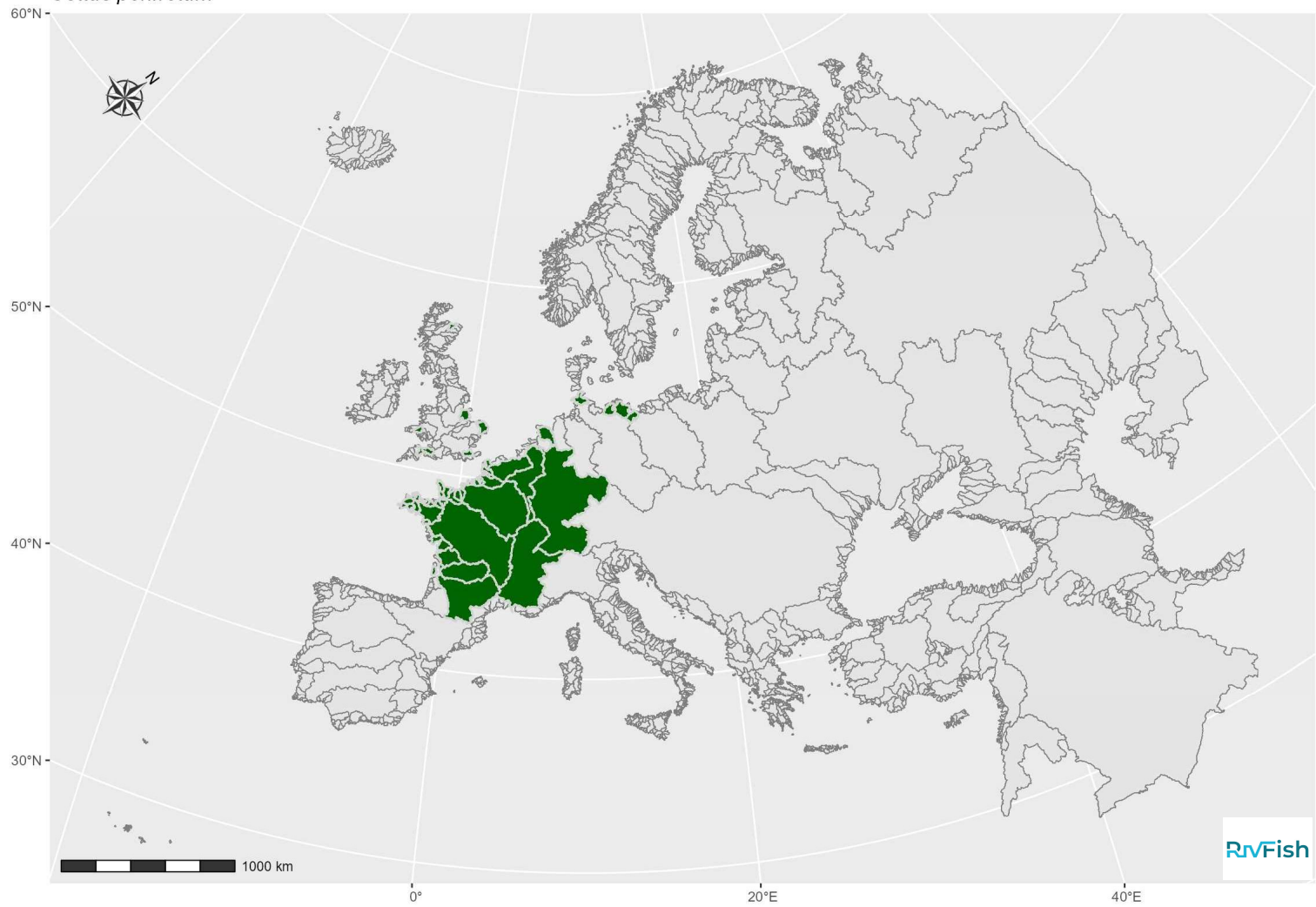
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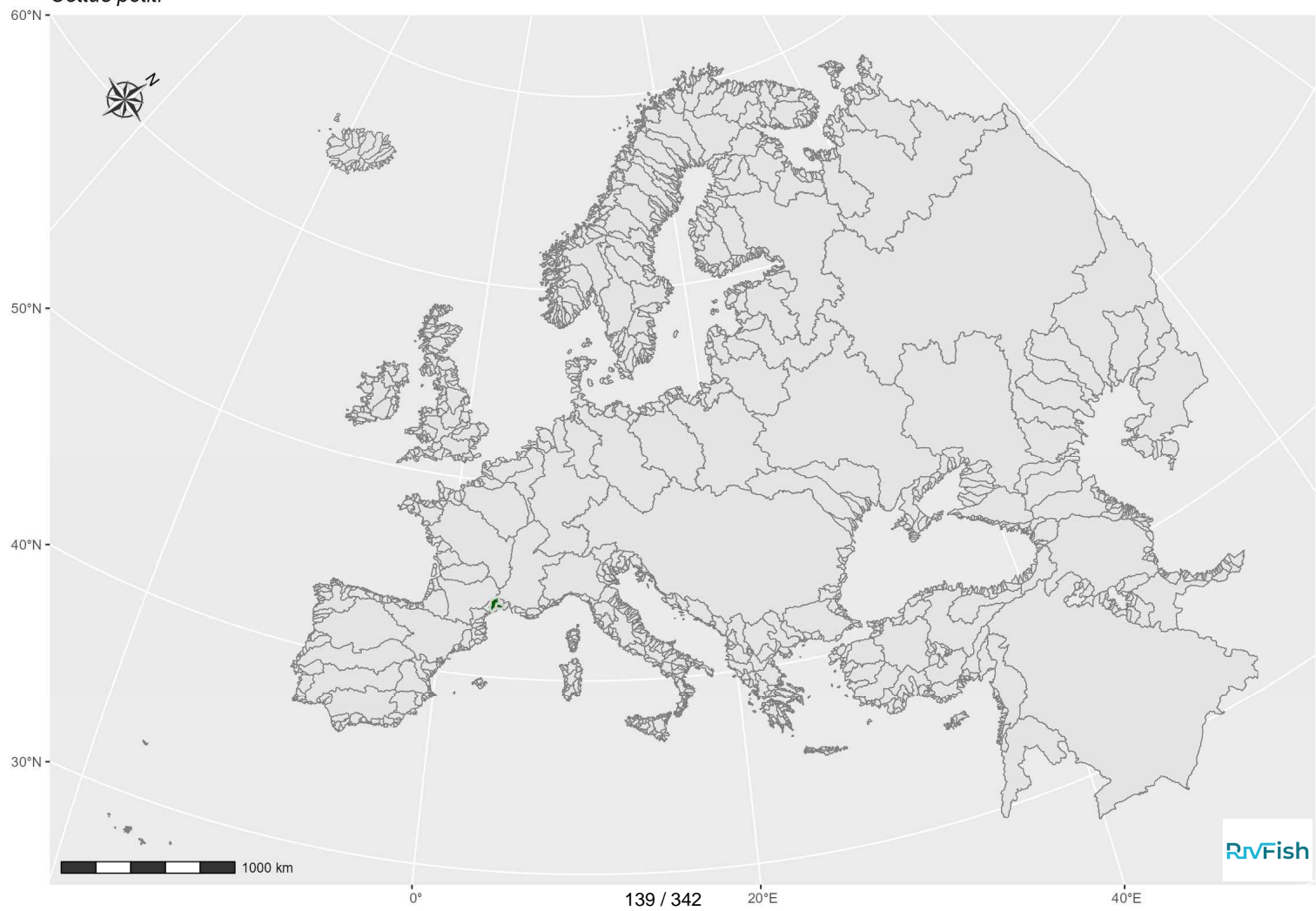
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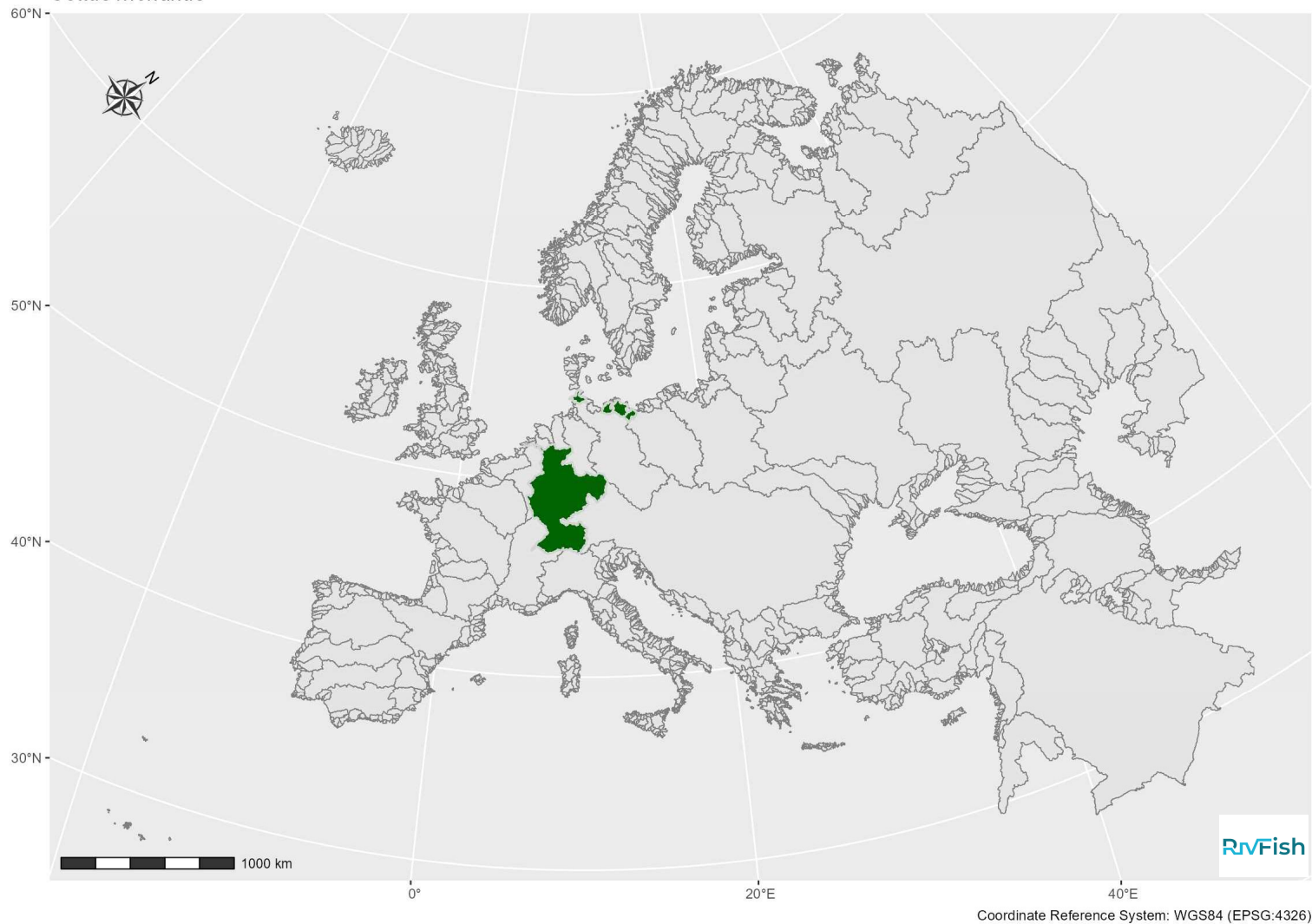
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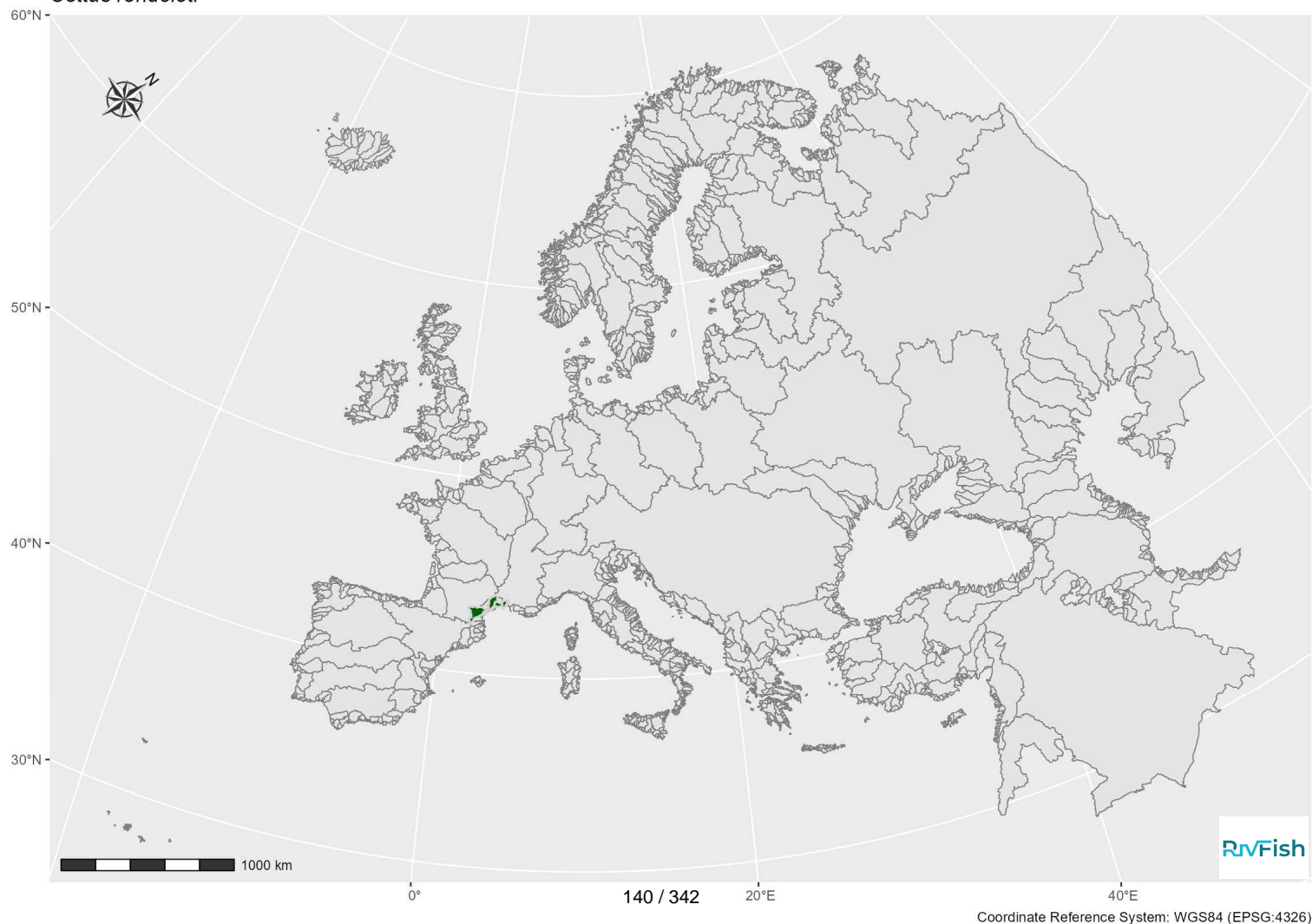
Cottus petiti



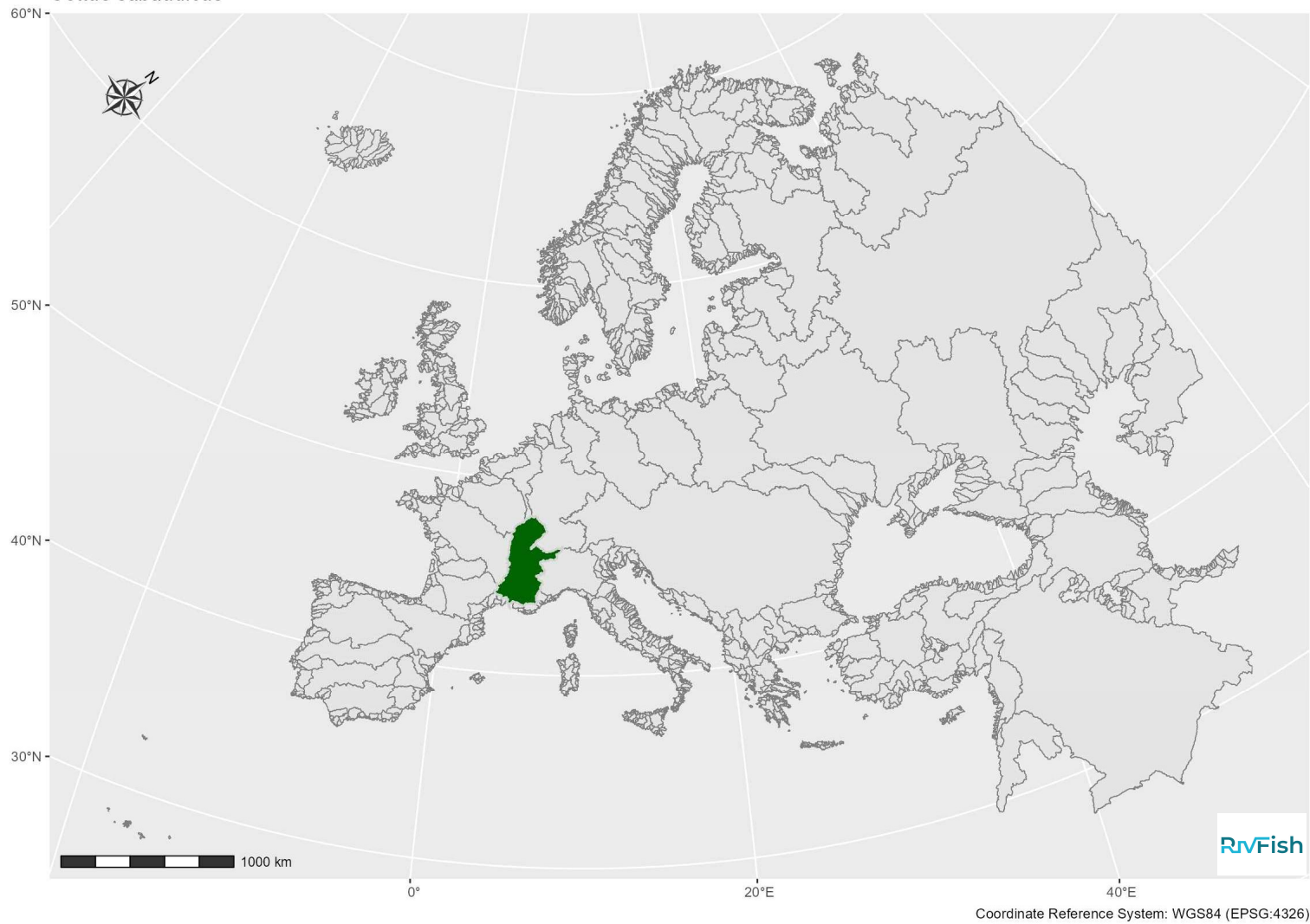
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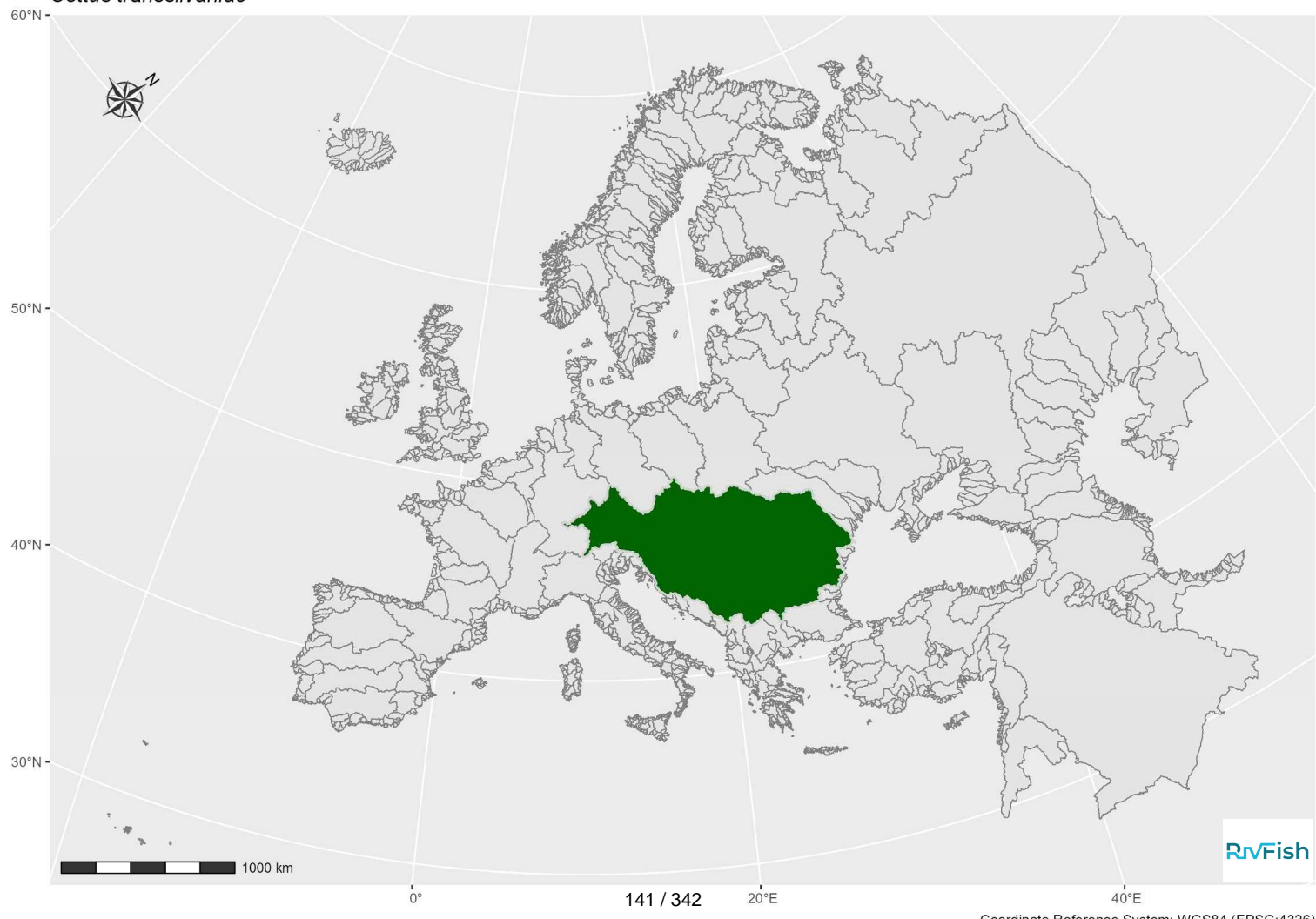
Cottus rondeleti



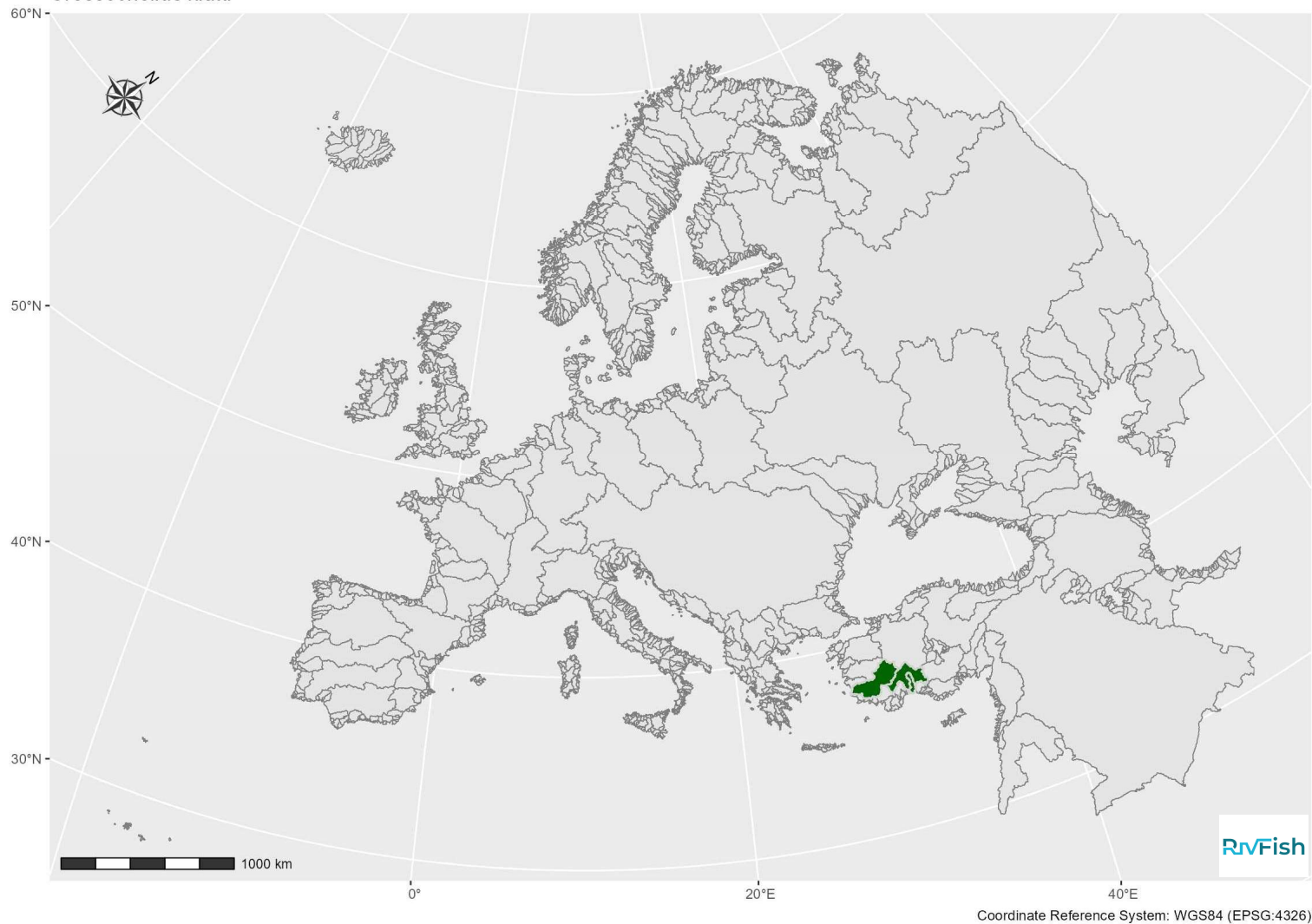
Cottus sabaudicus



Cottus transsilvaniae



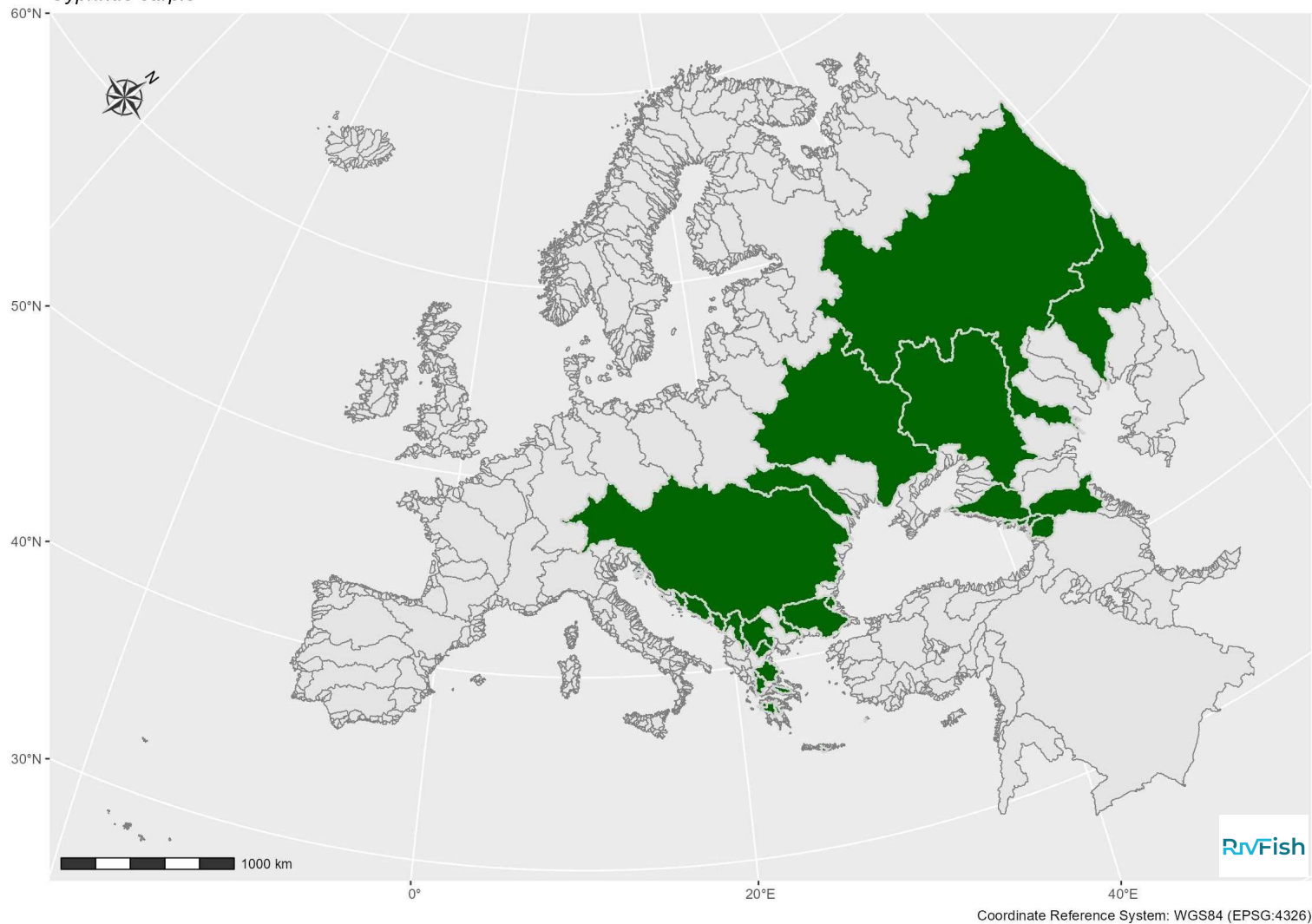
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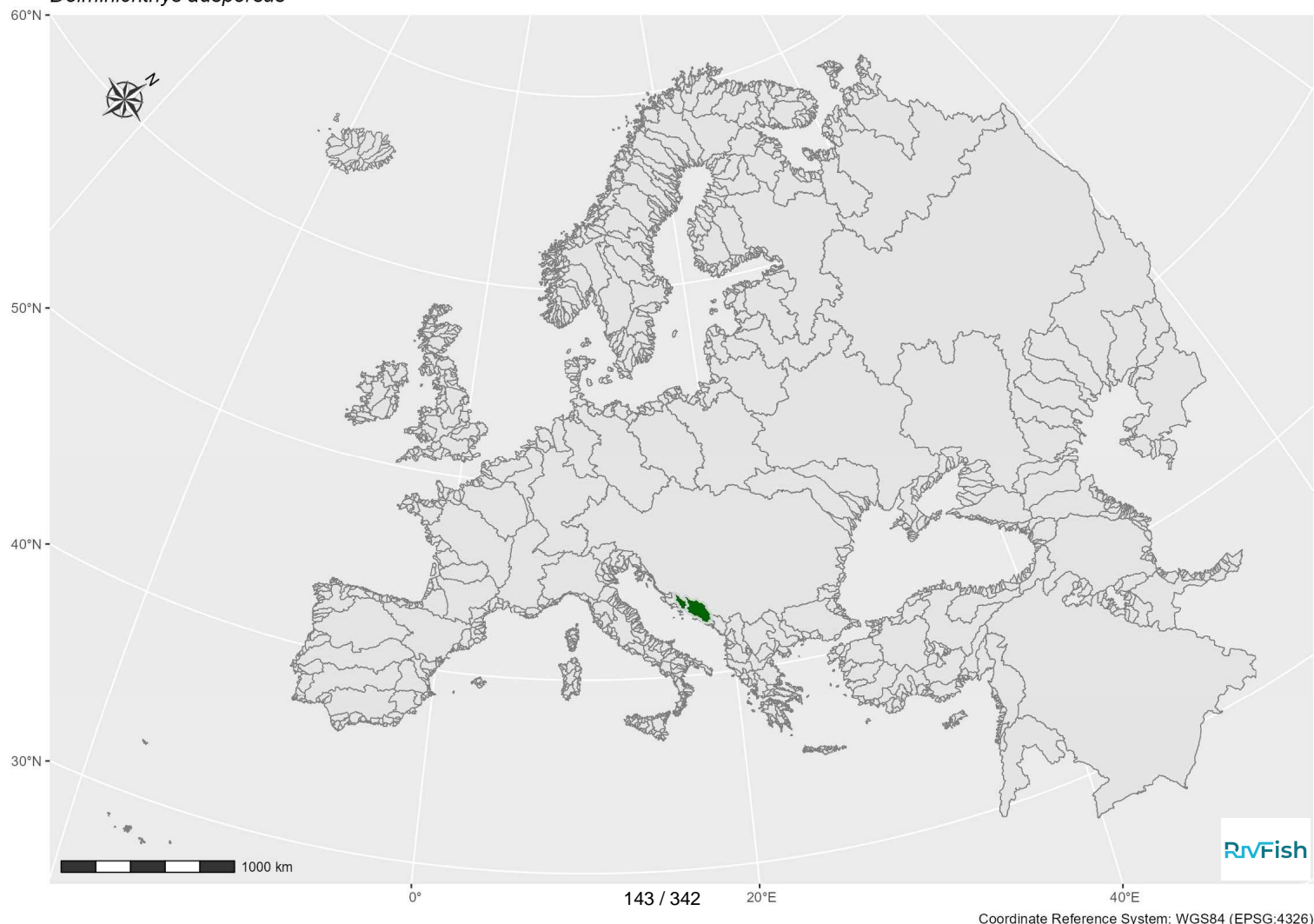
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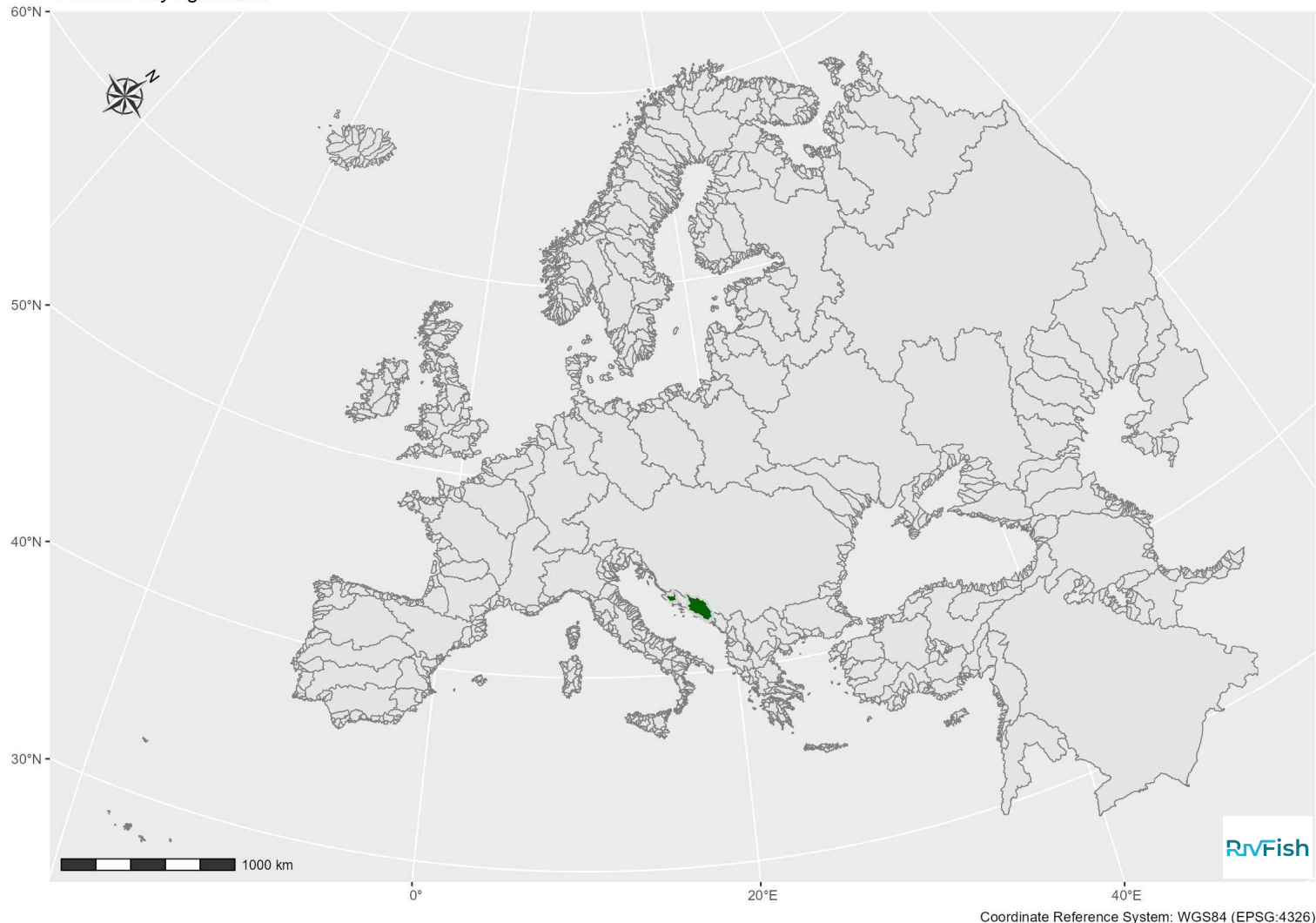
Cyprinus carpio



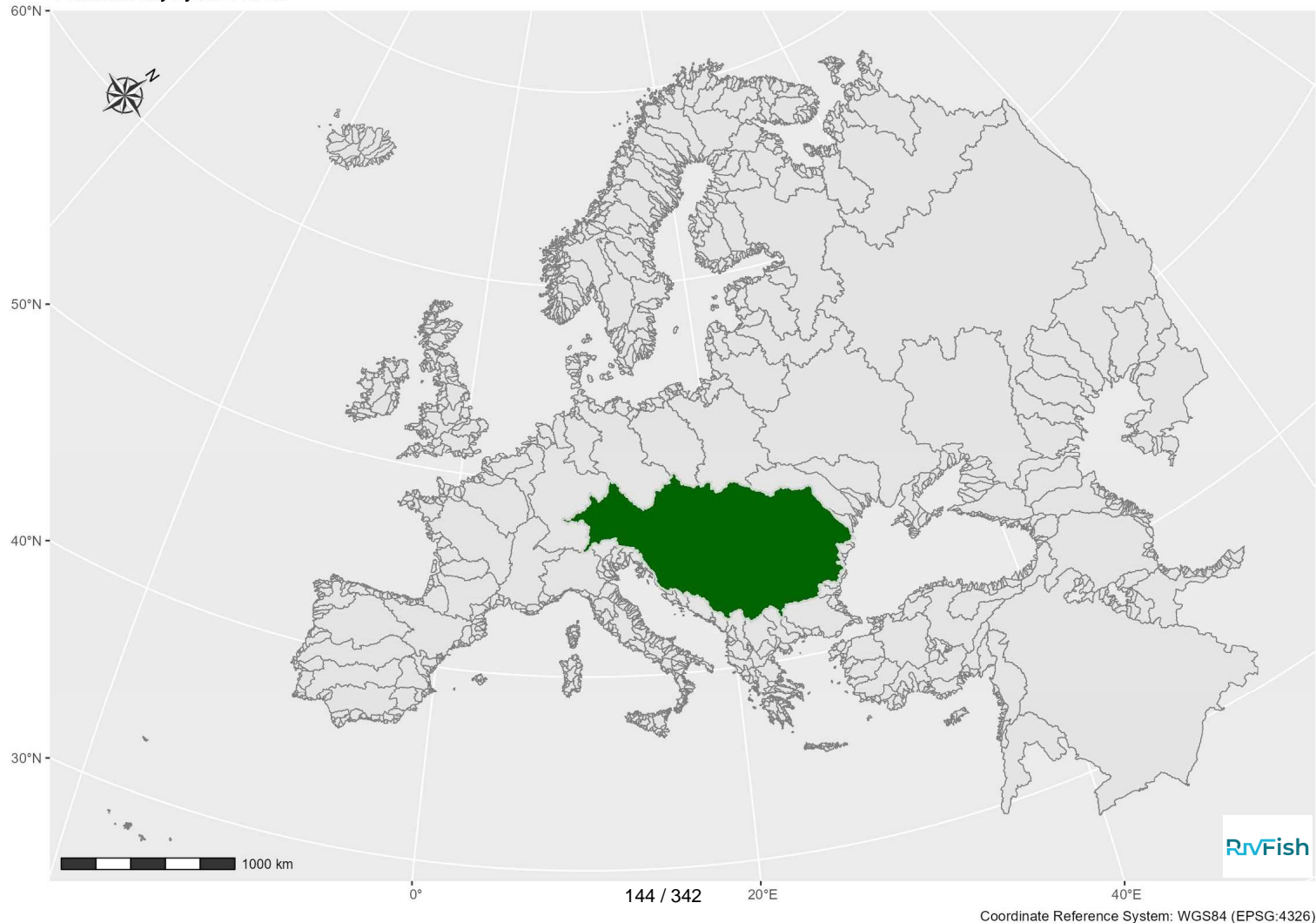
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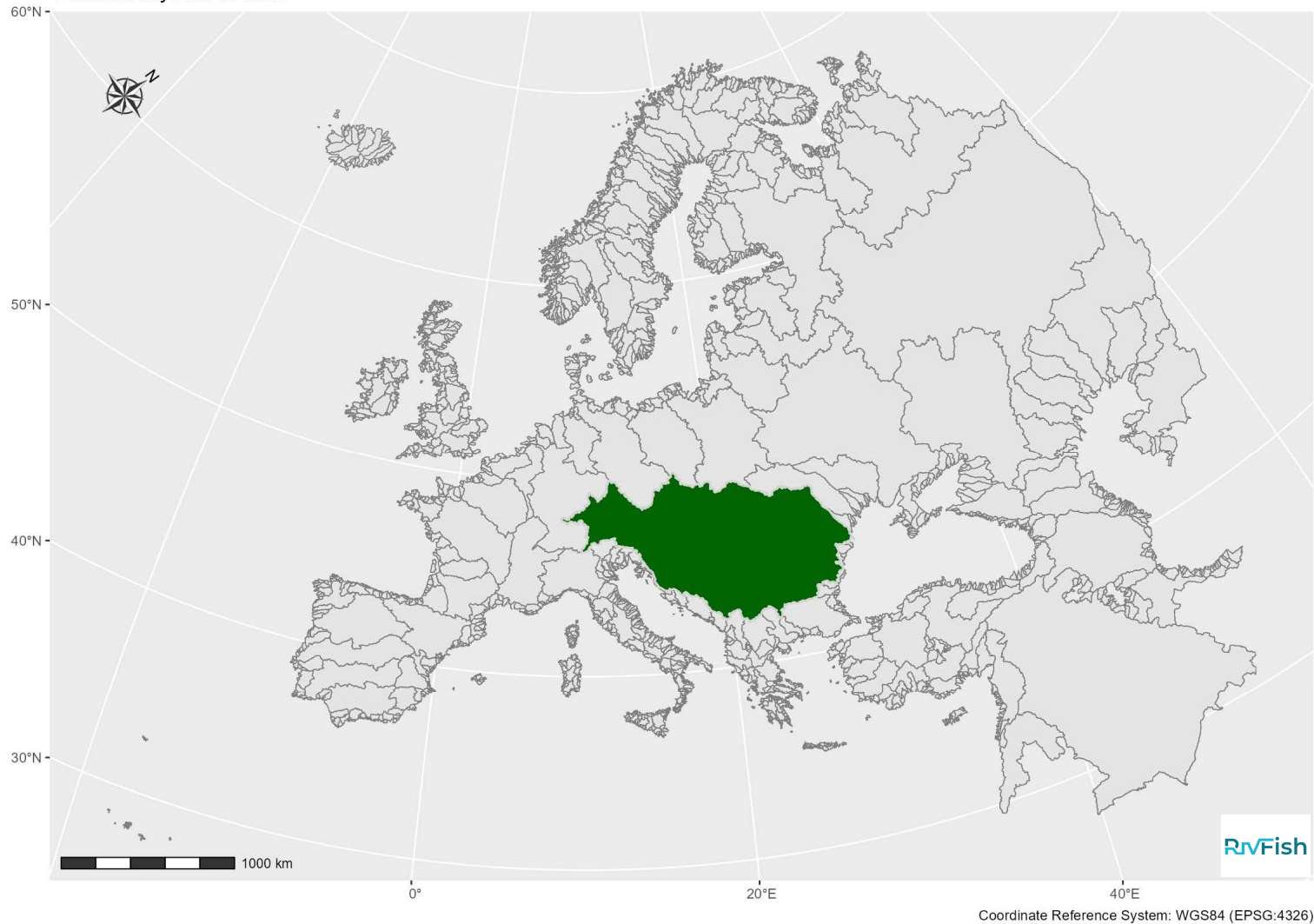
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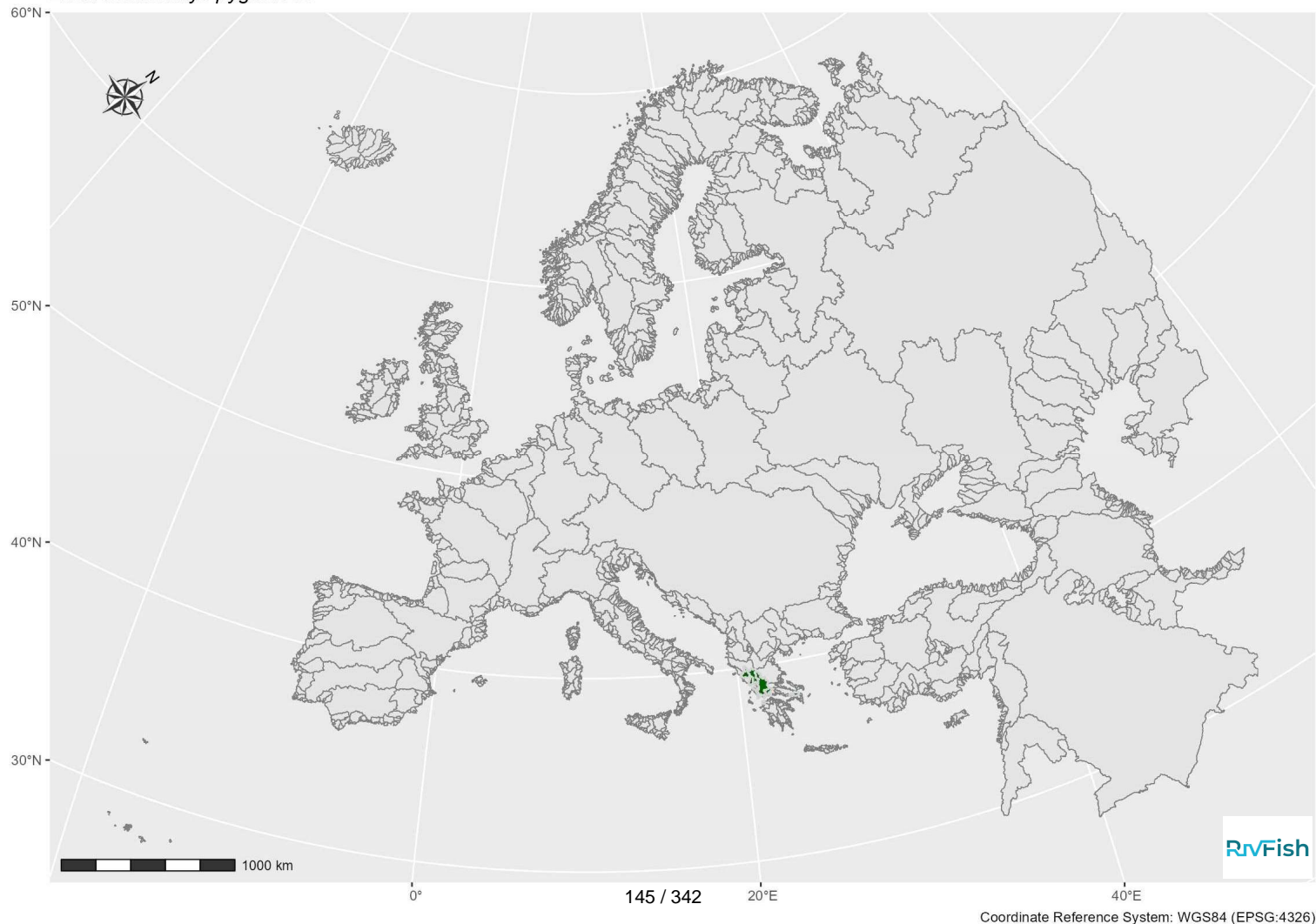
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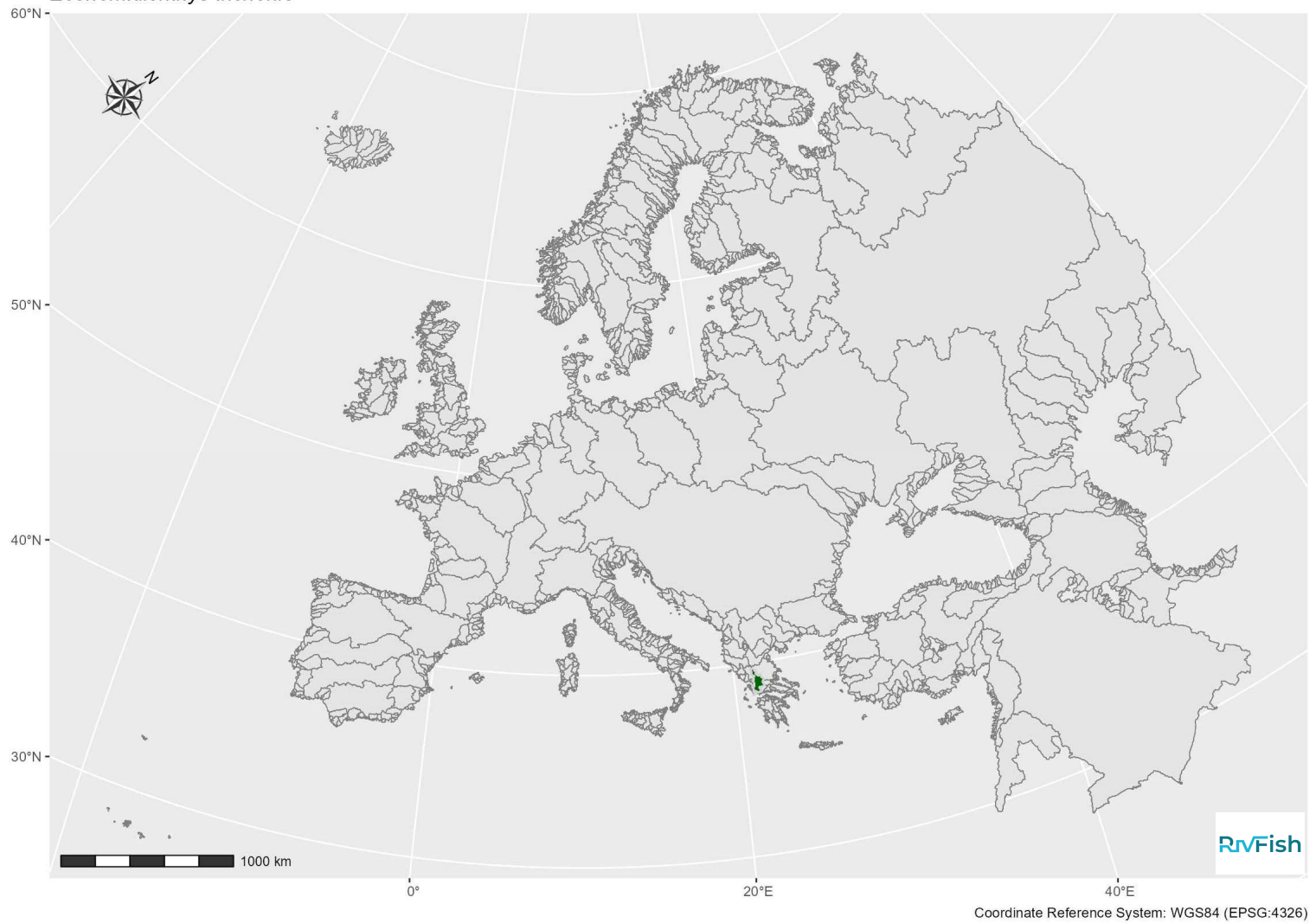
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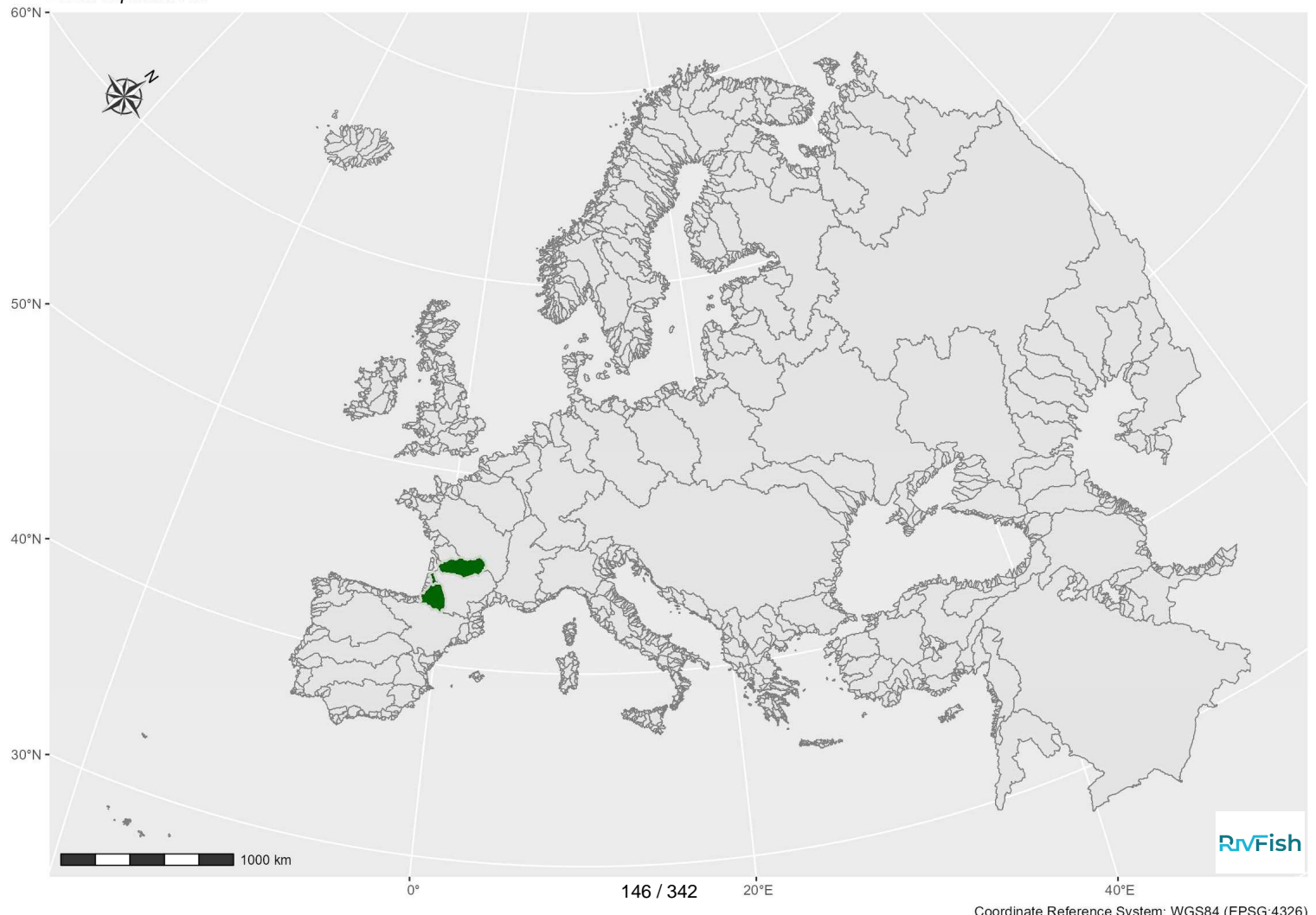
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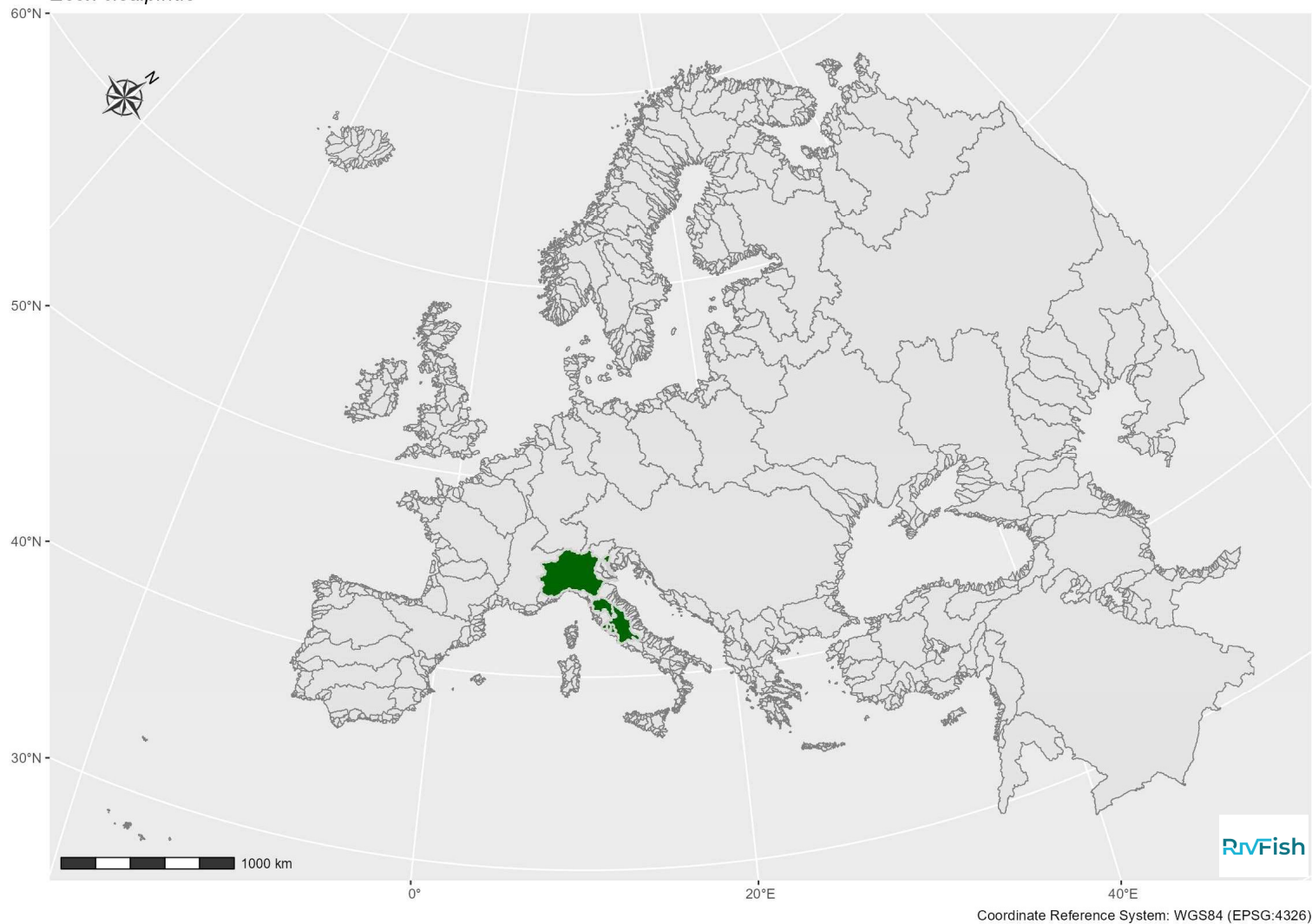
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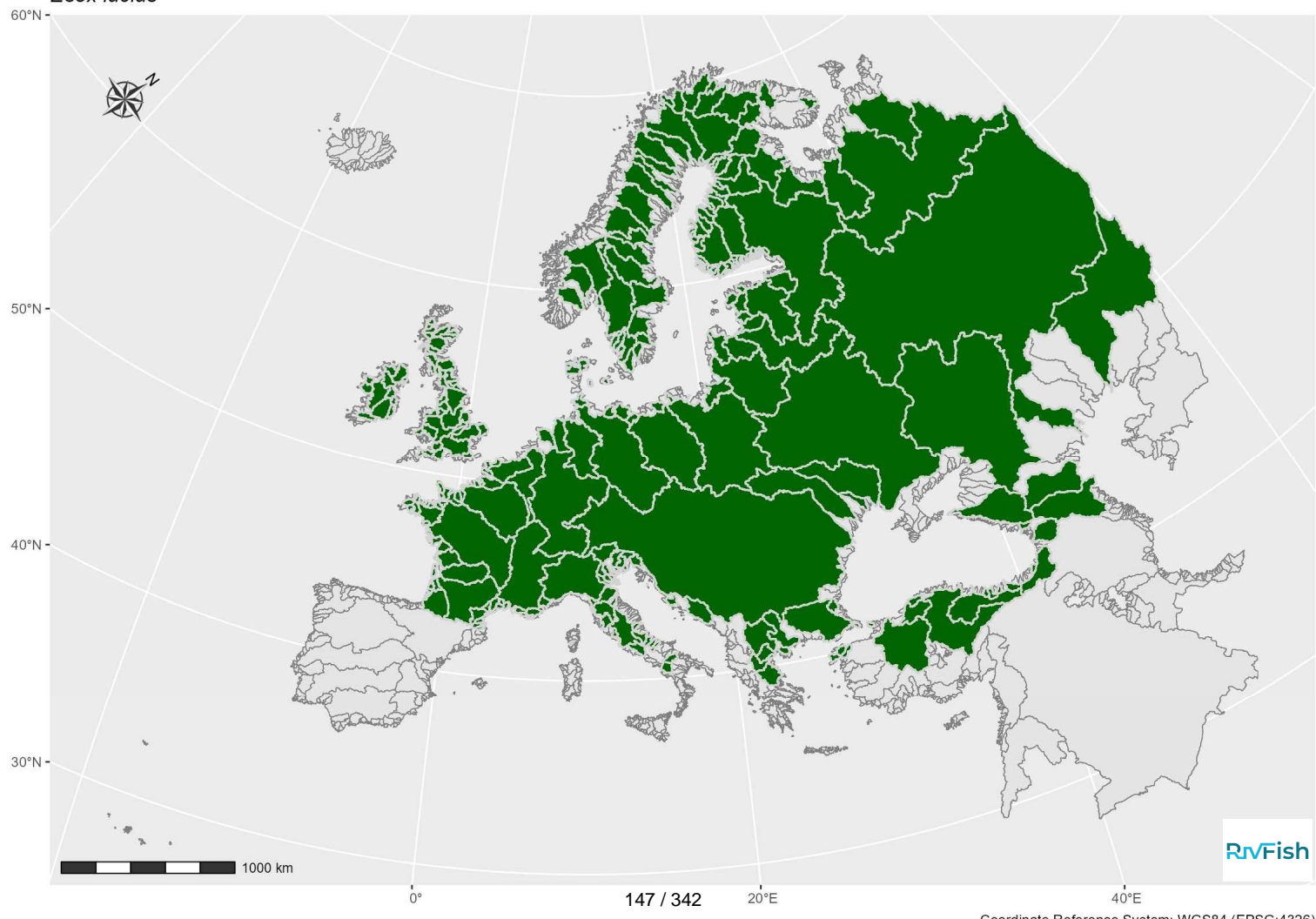
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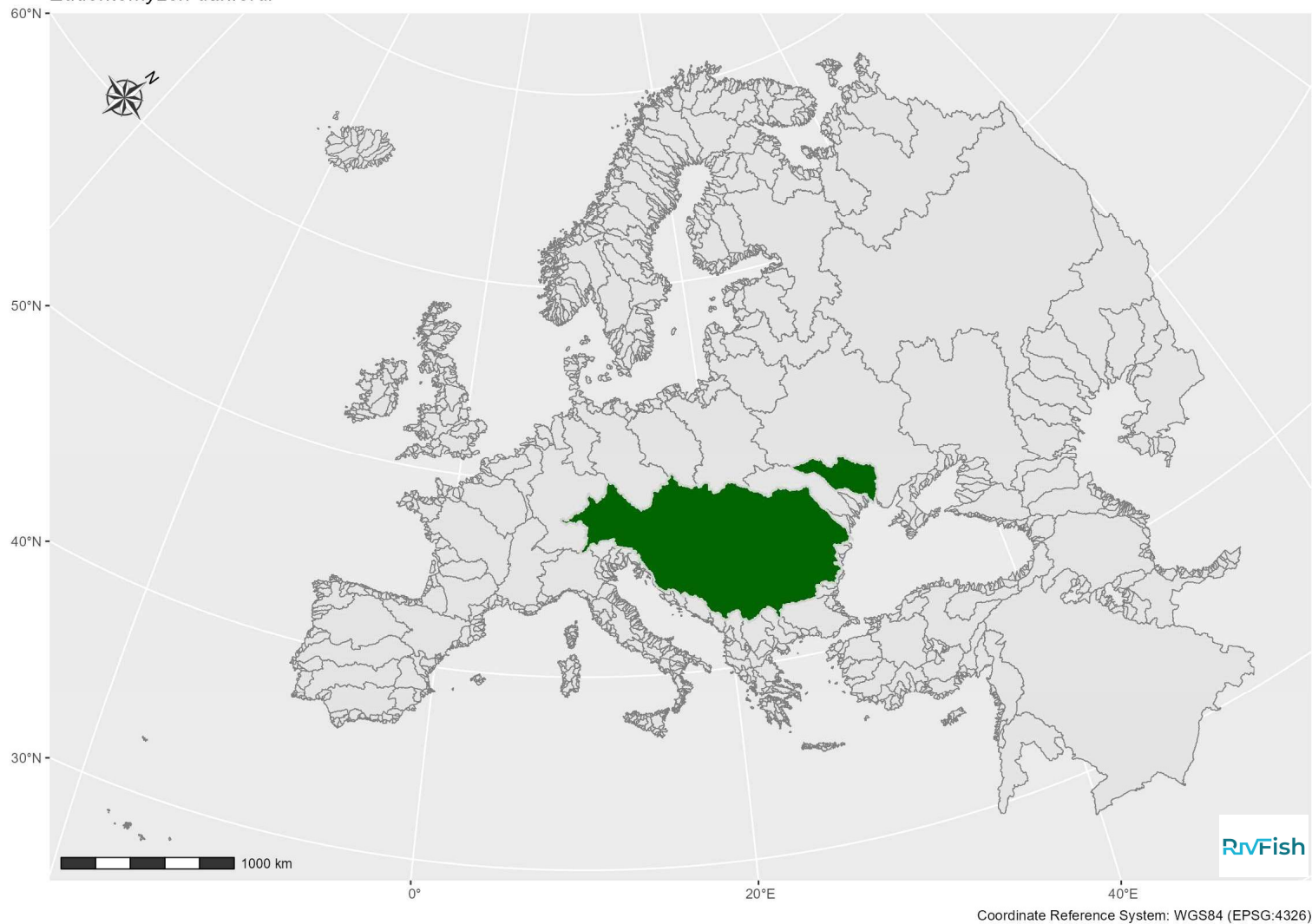
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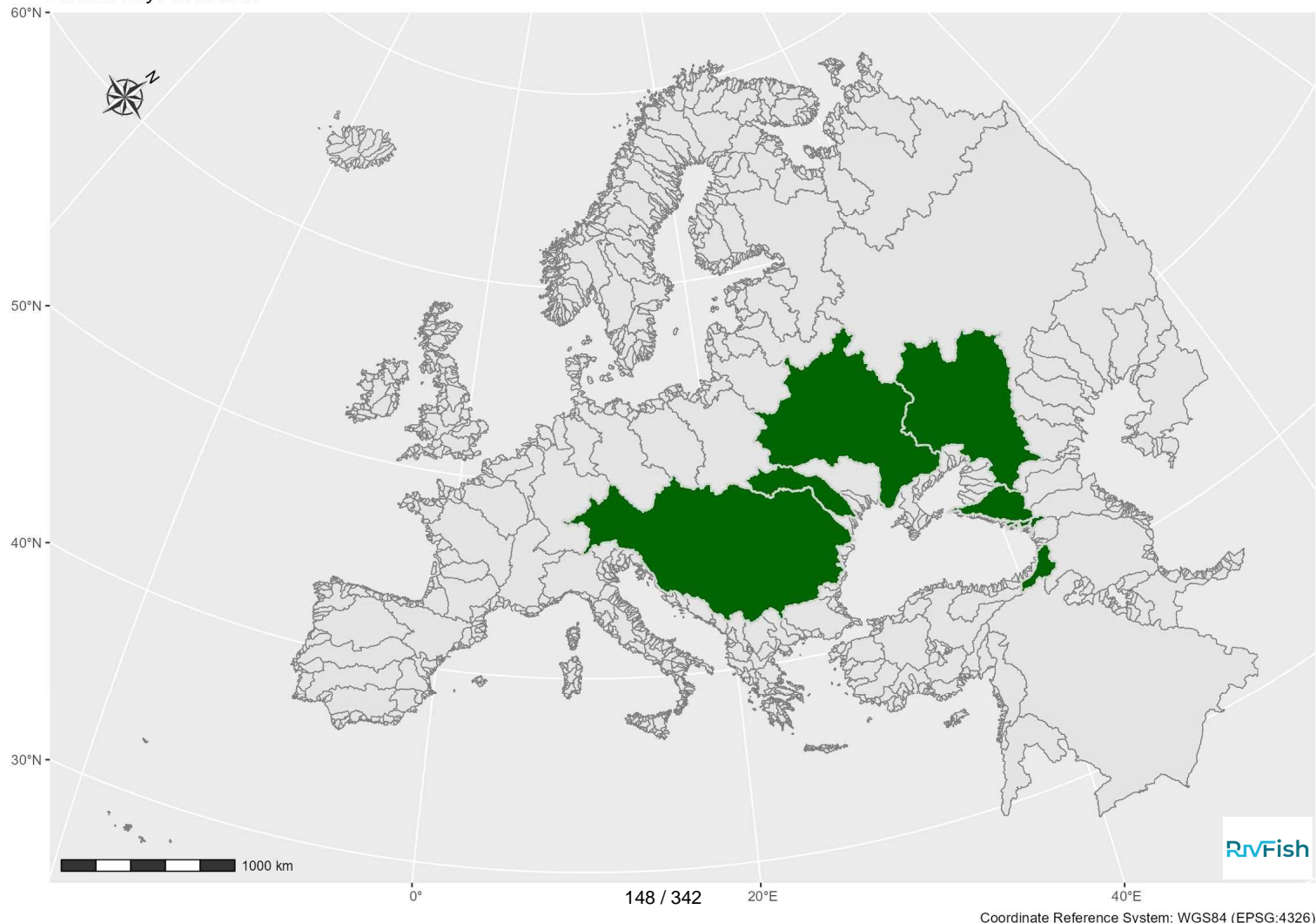
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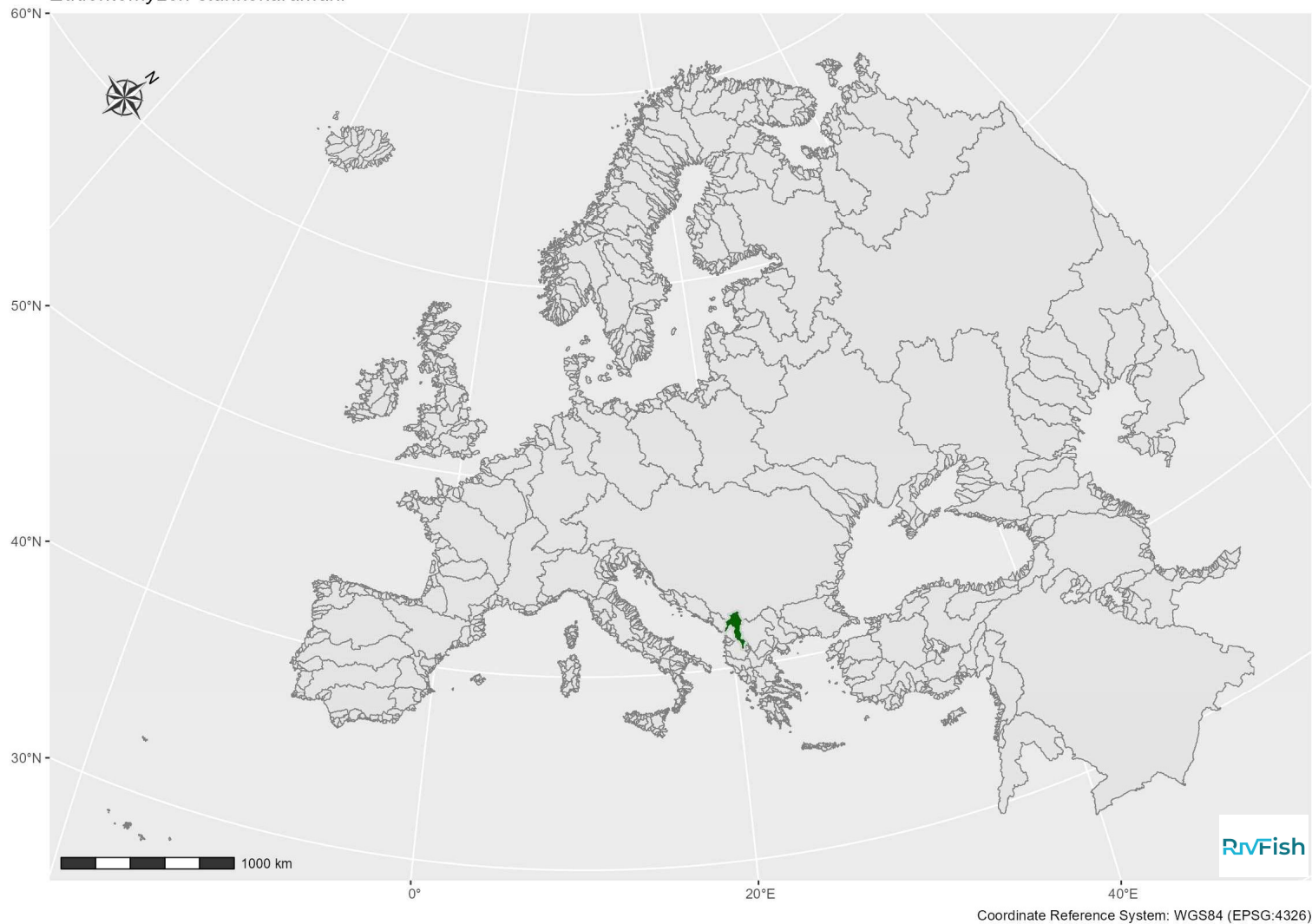
Eudontomyzon danfordi



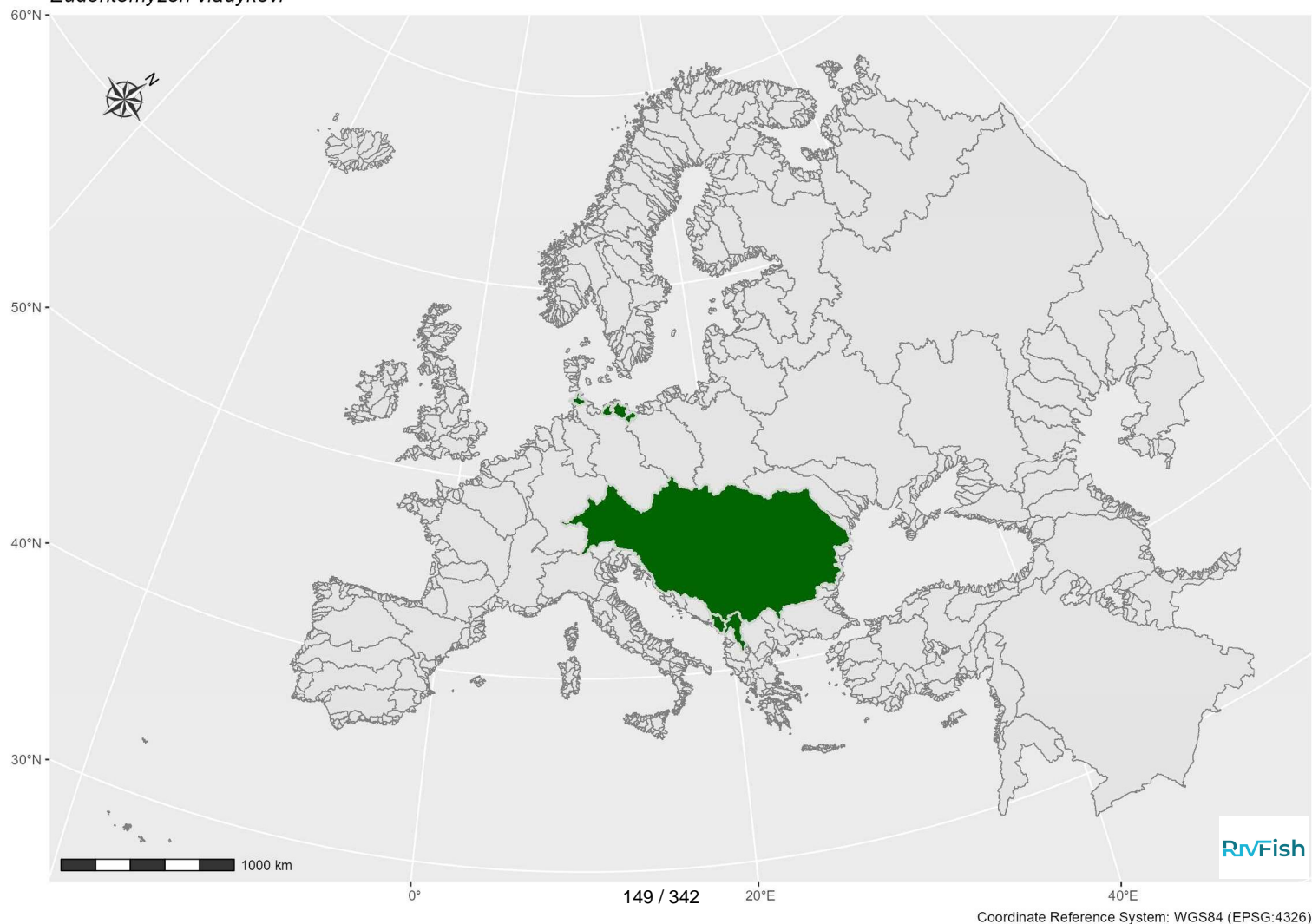
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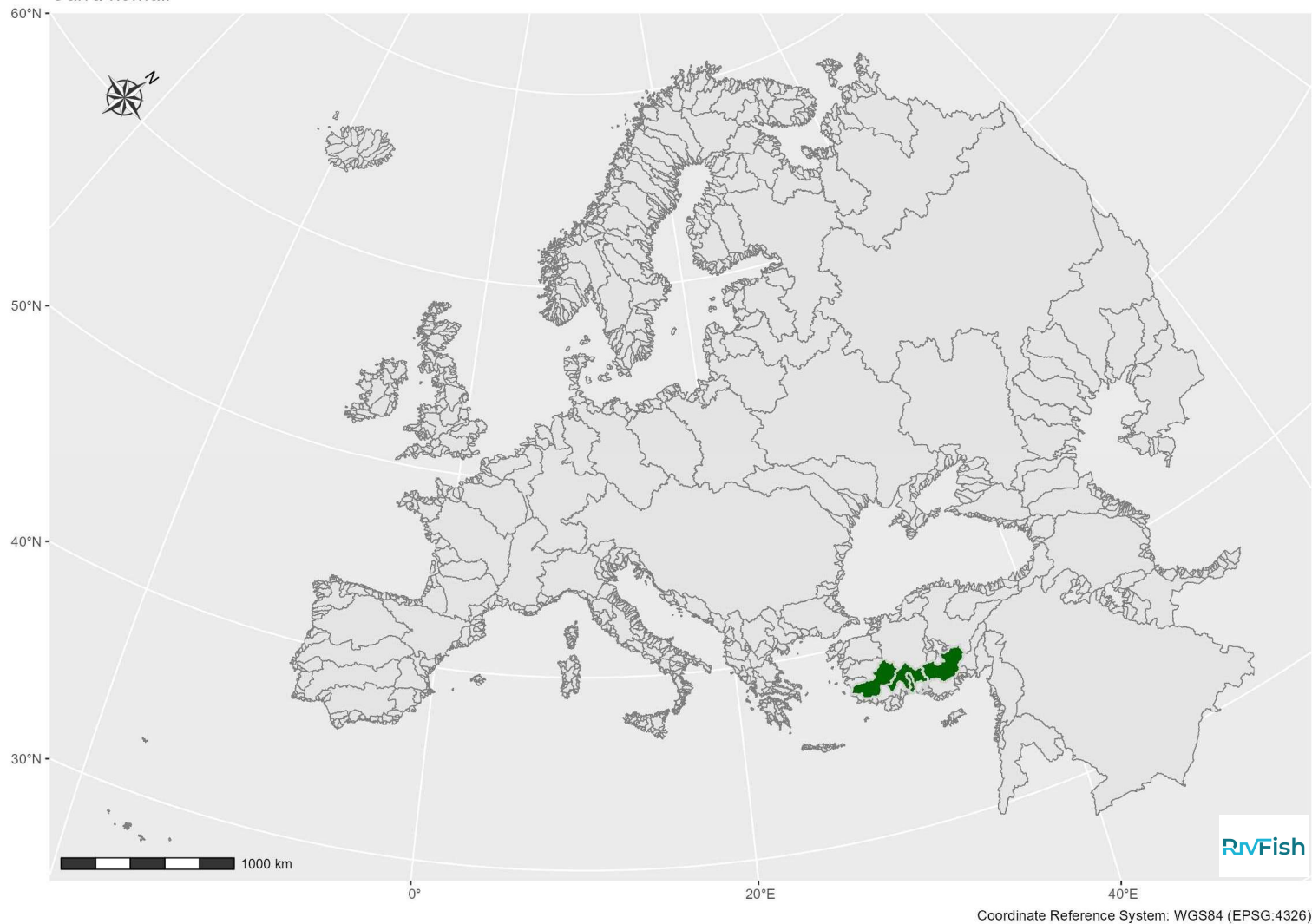
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Eudontomyzon vladkovi



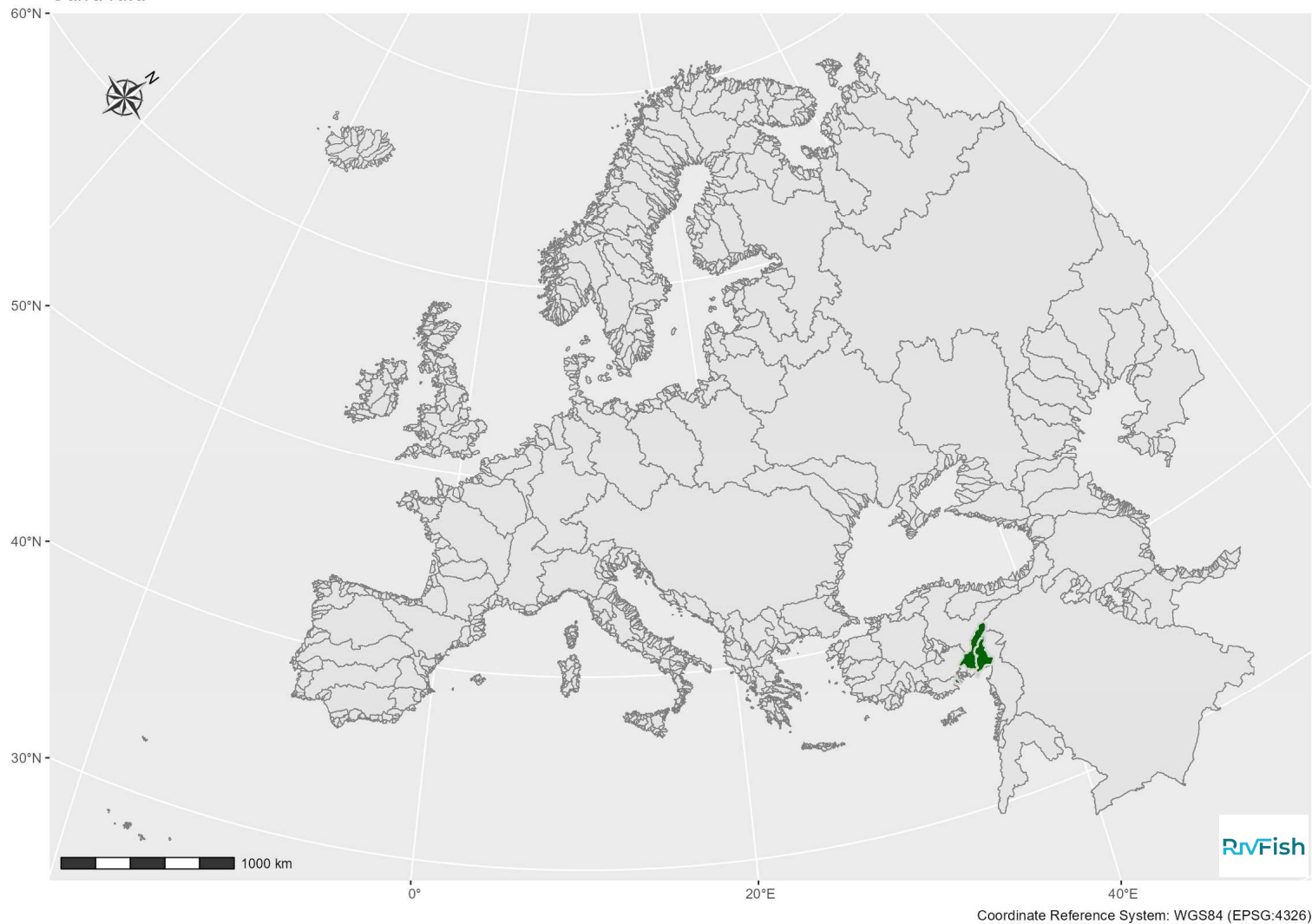
Garra kemali



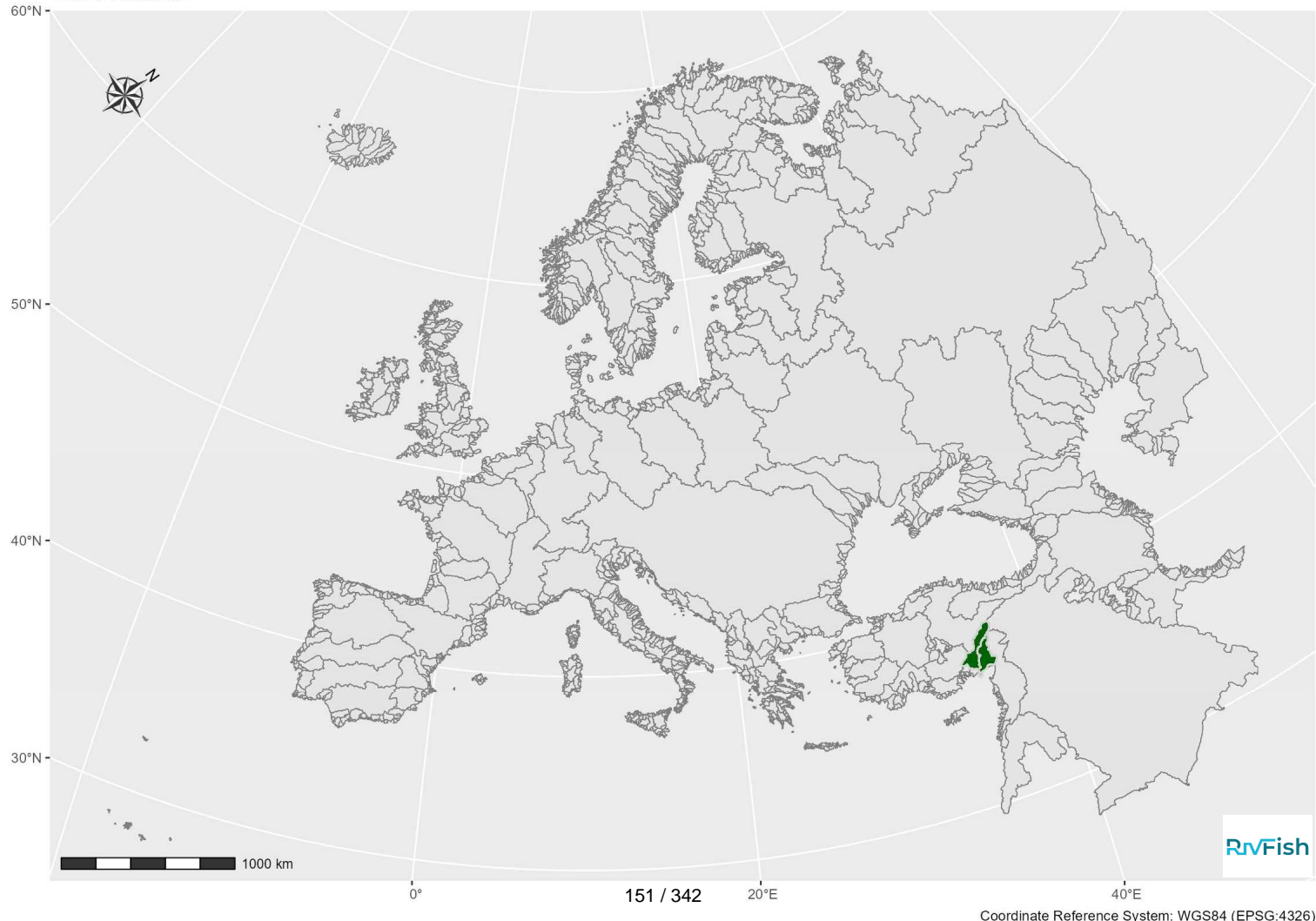
Garra nana



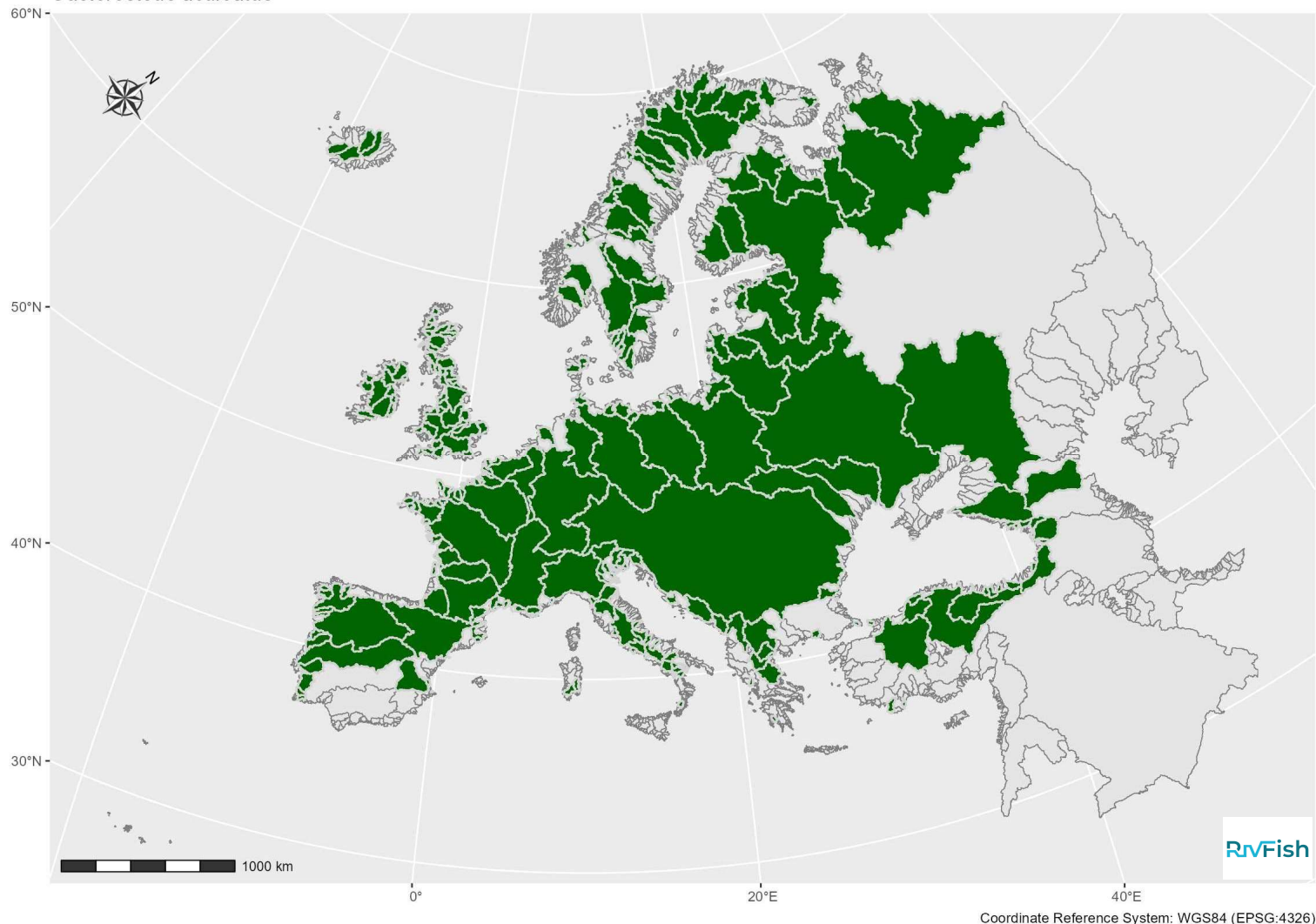
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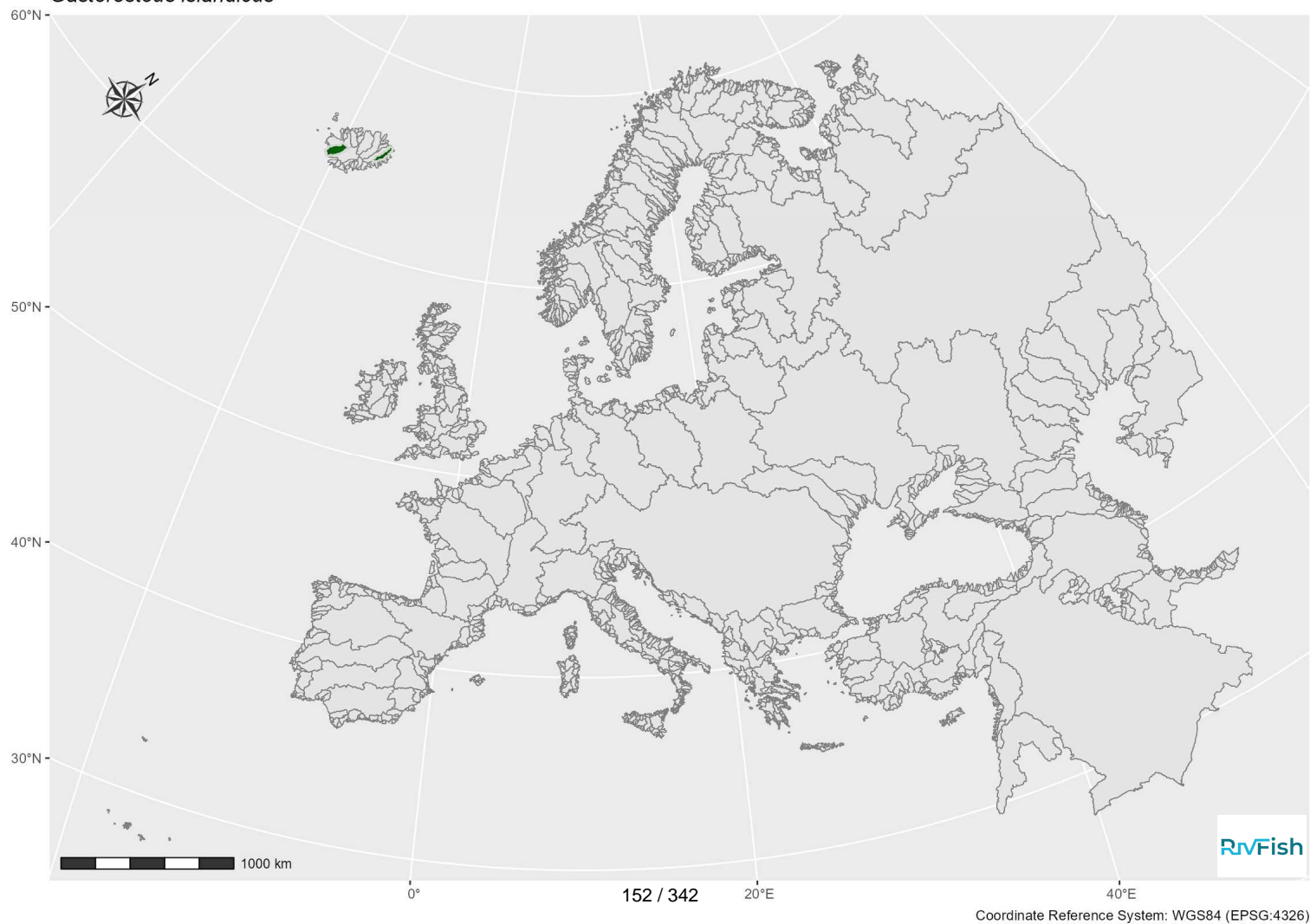
Garra variabilis



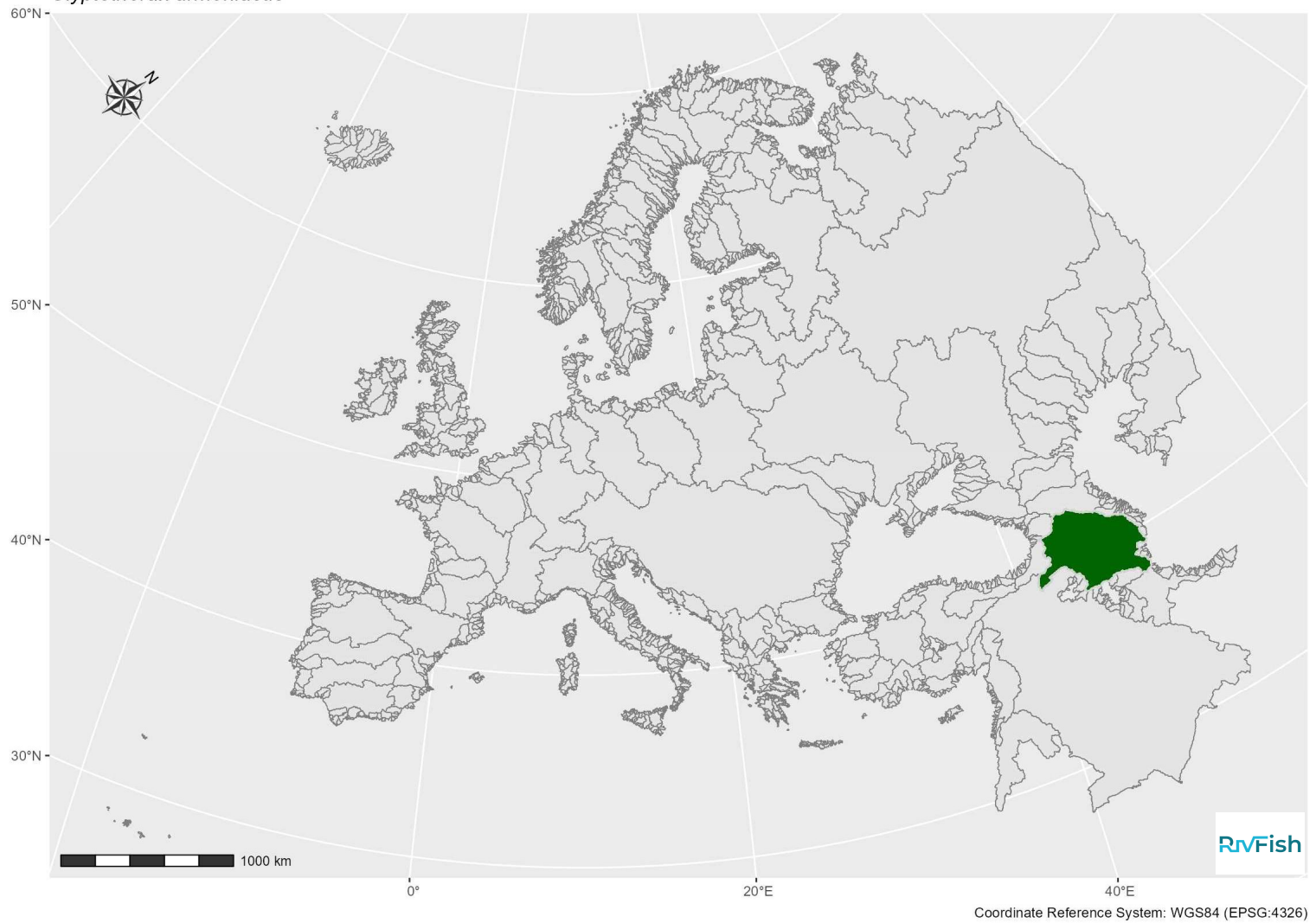
Gasterosteus aculeatus



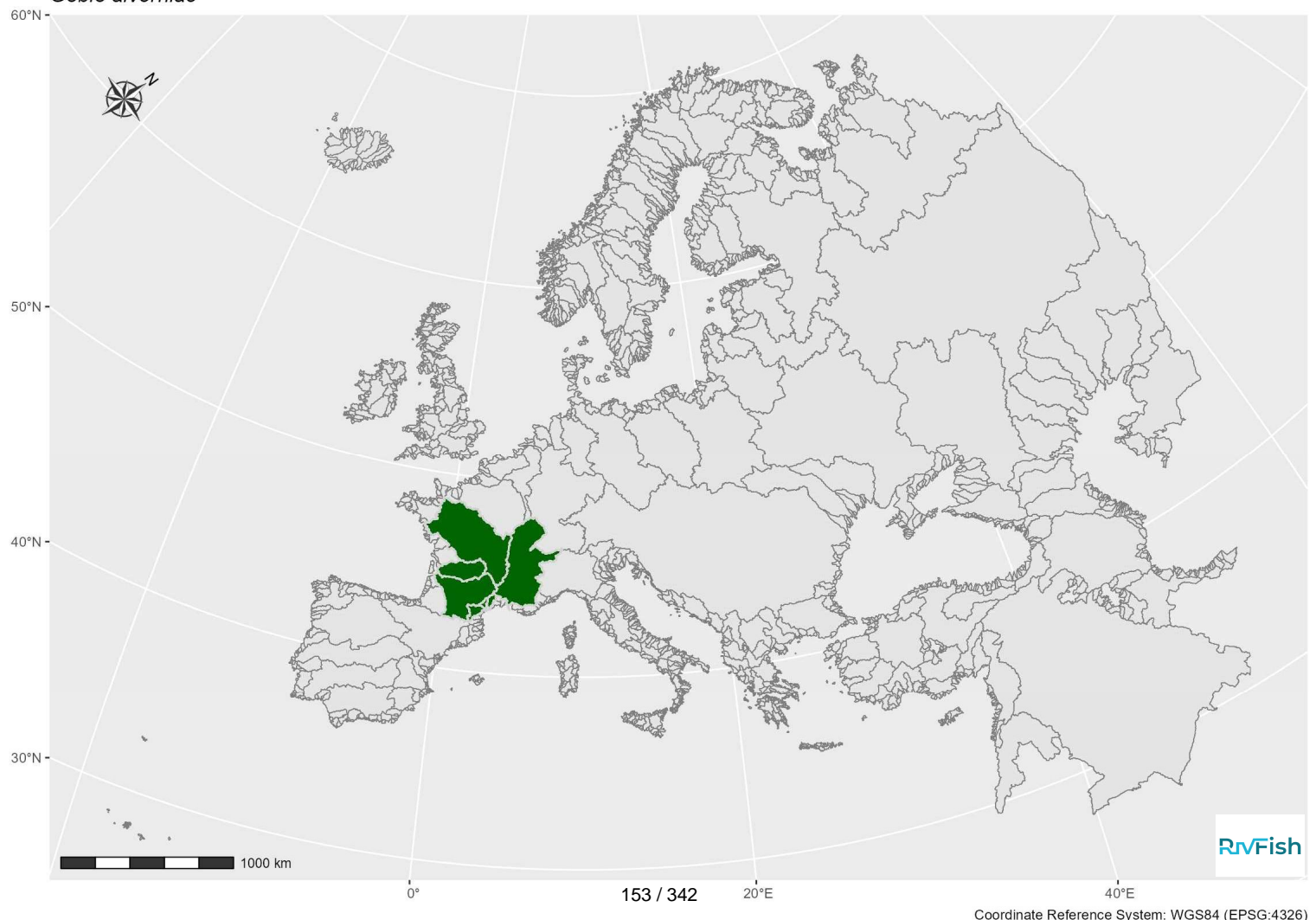
Gasterosteus islandicus



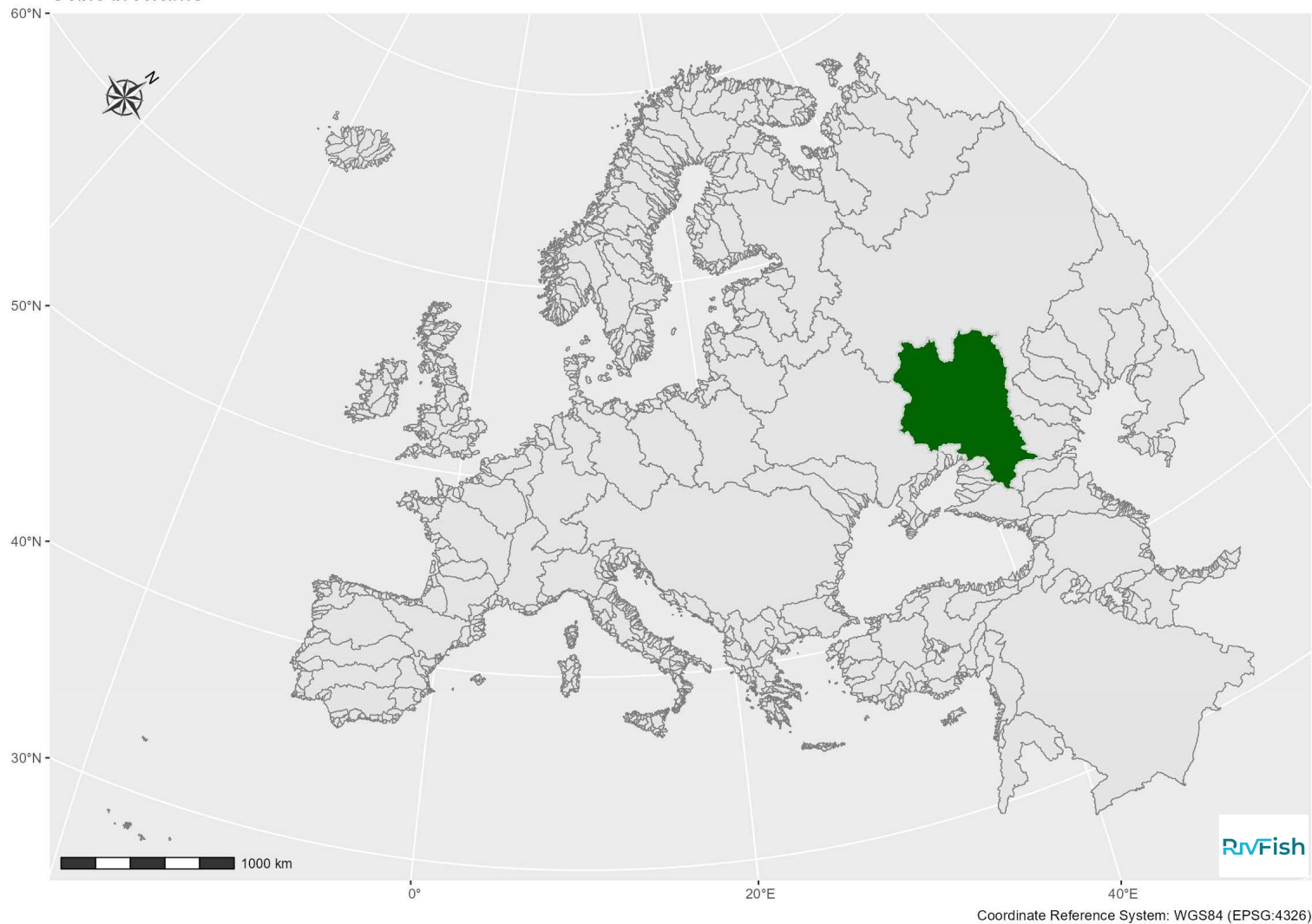
Glyptothorax armeniacus



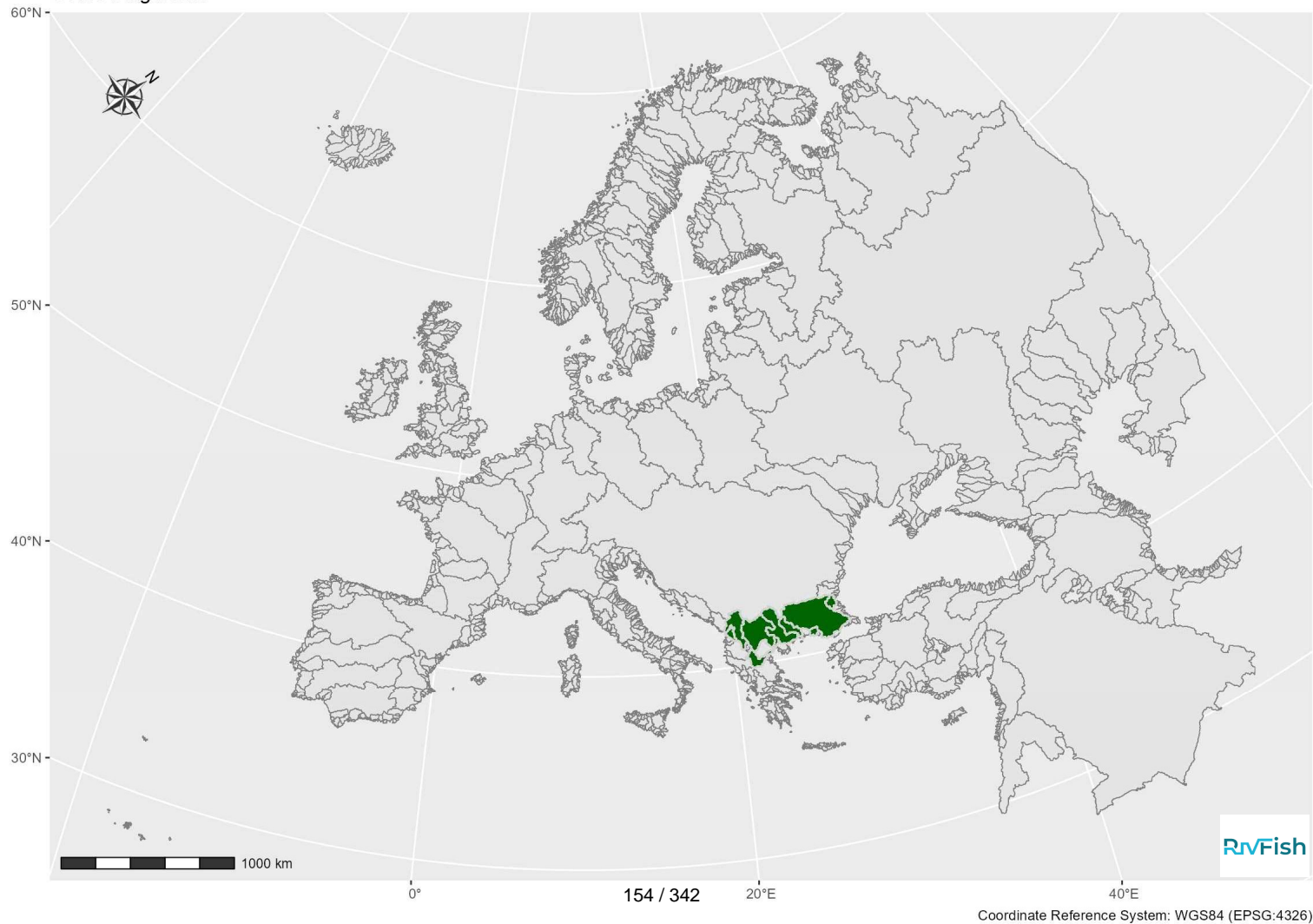
Gobio alverniae



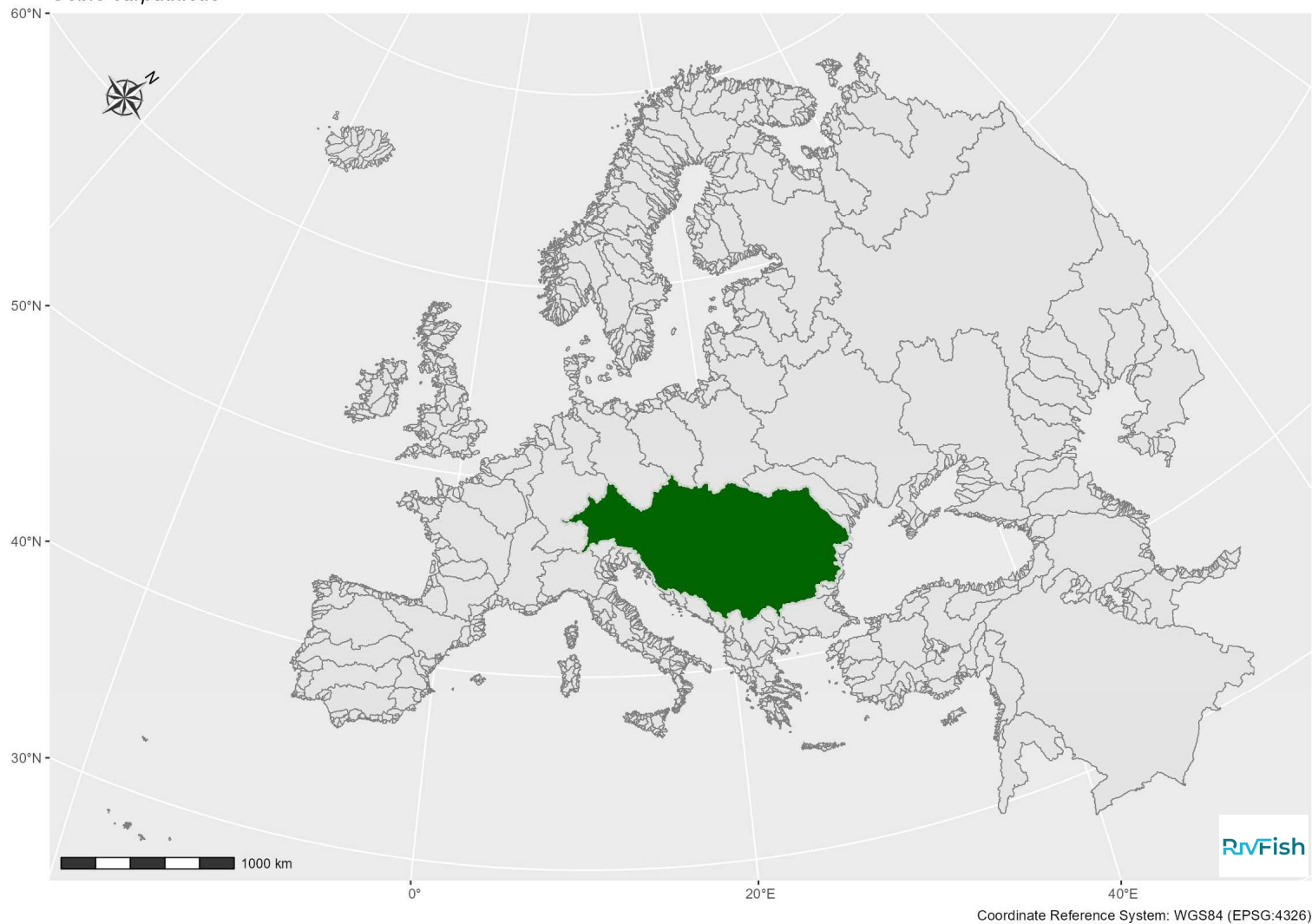
Gobio brevicirris



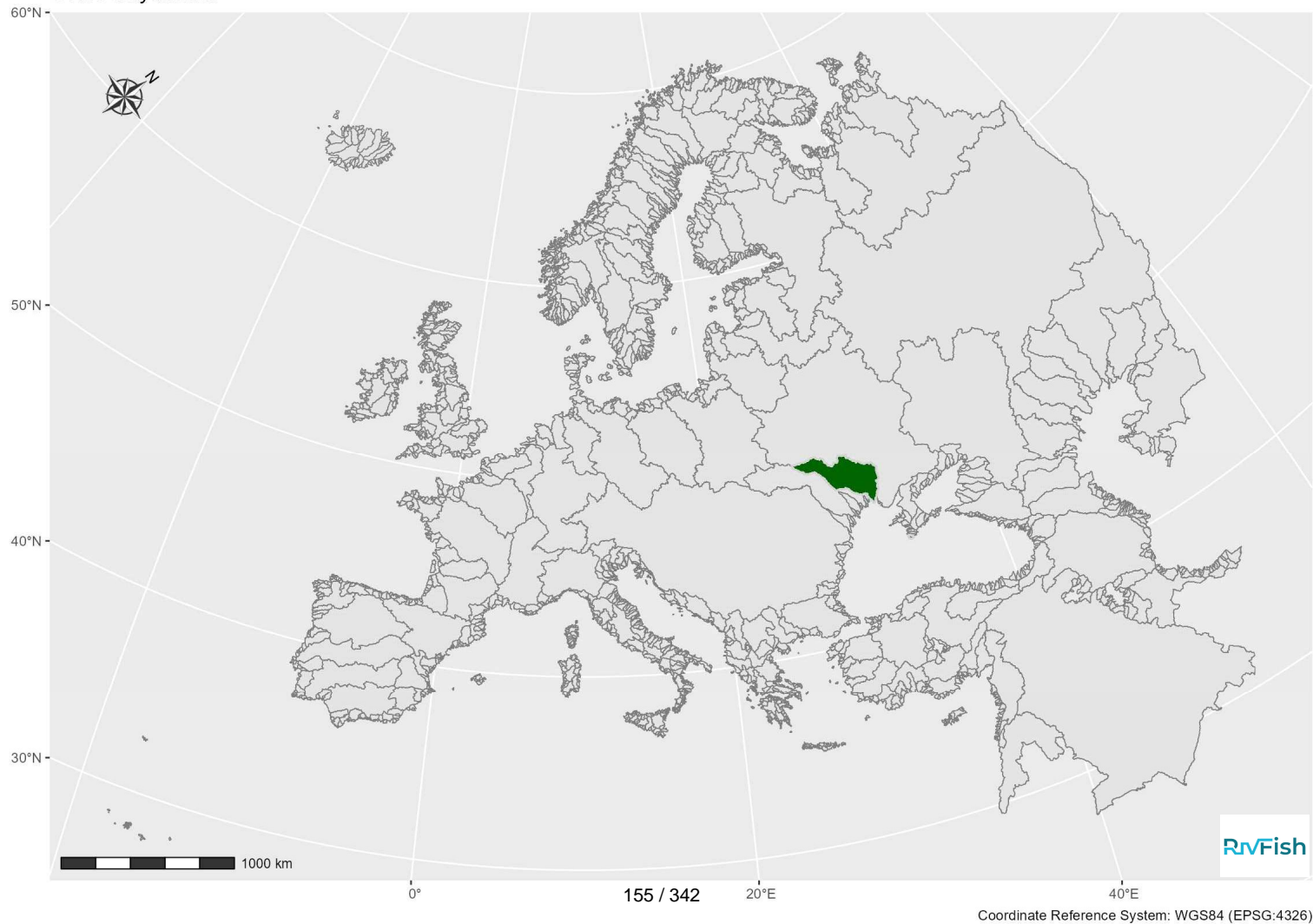
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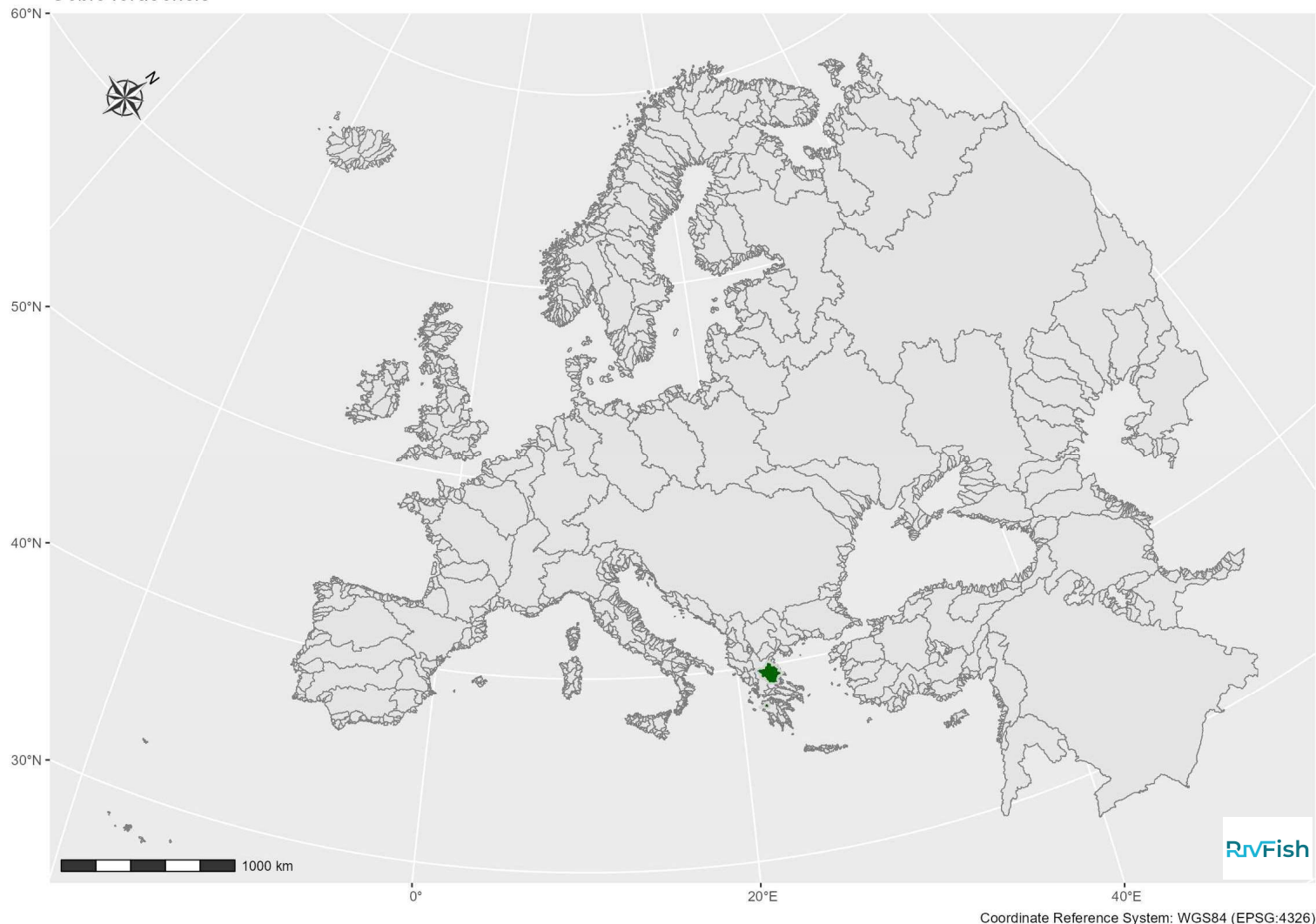
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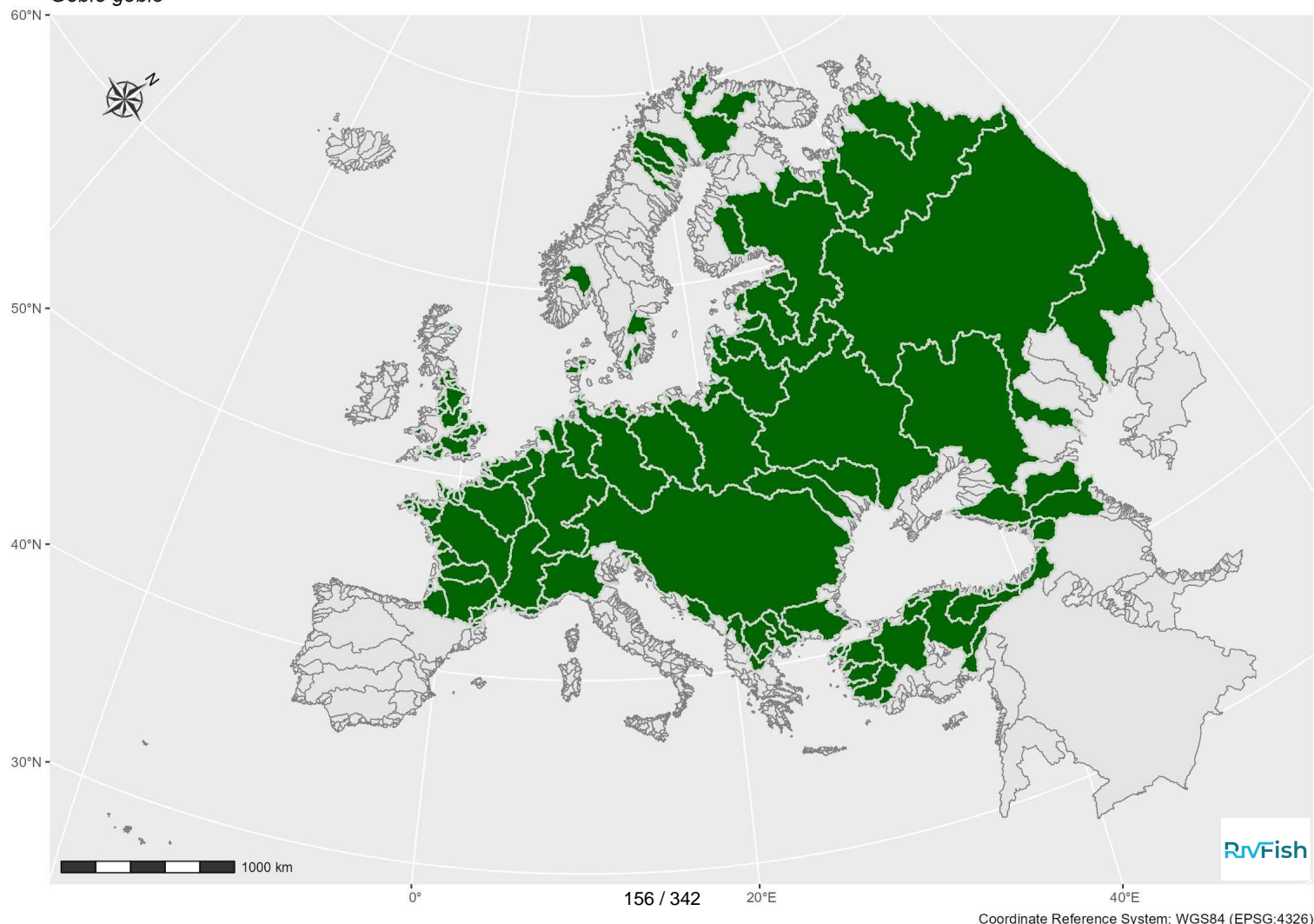
Gobio delyamurei



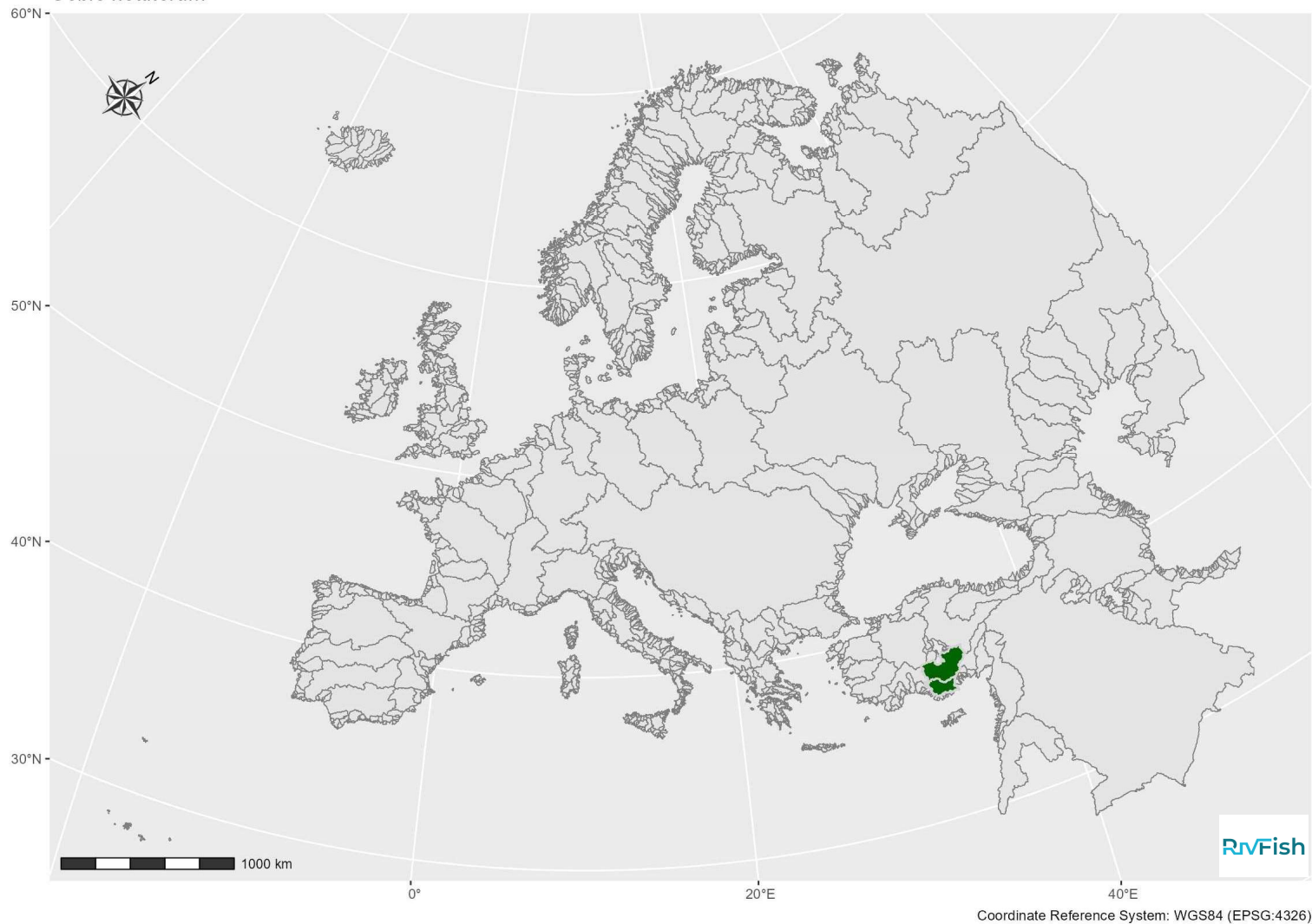
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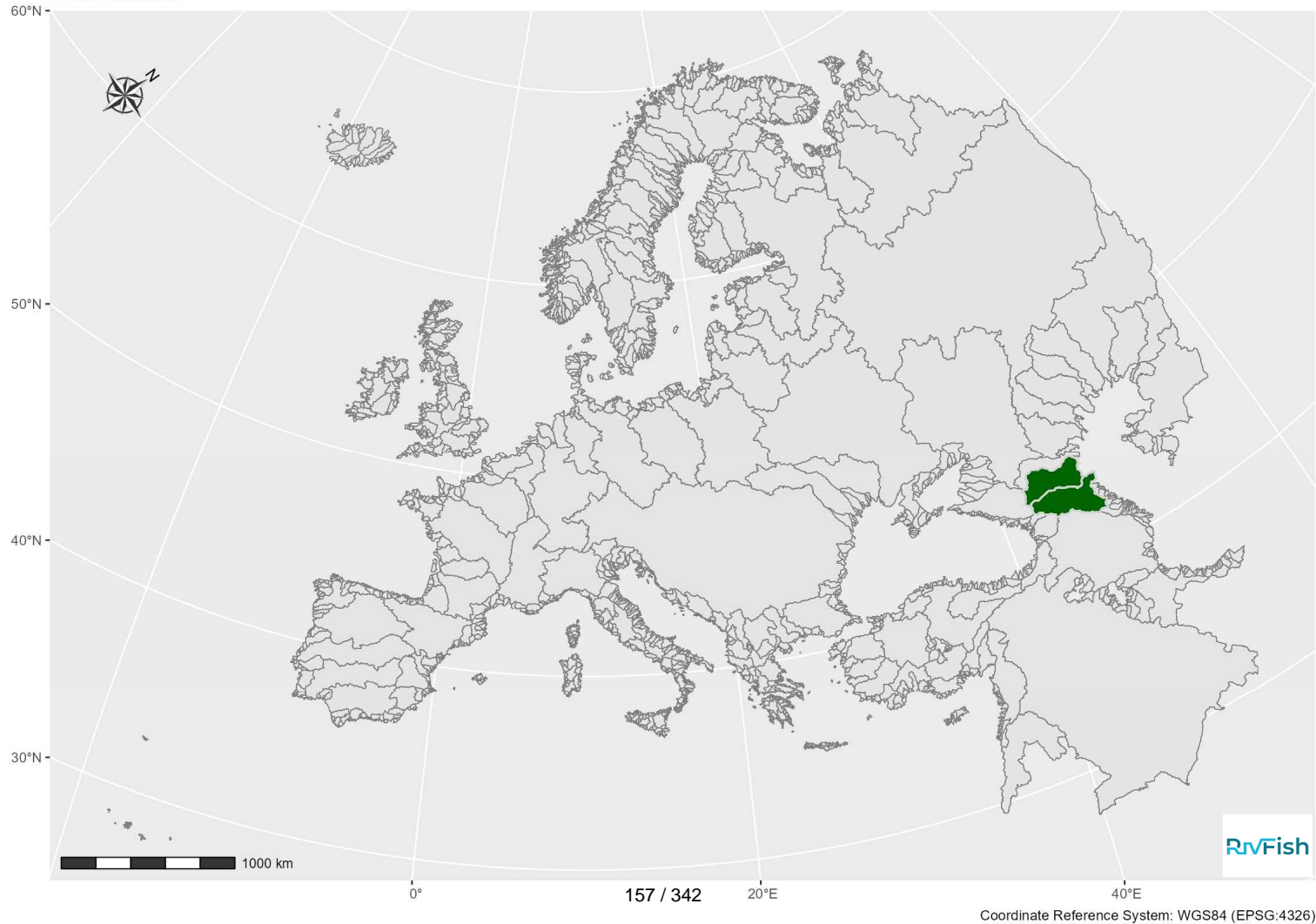
Gobio gobio



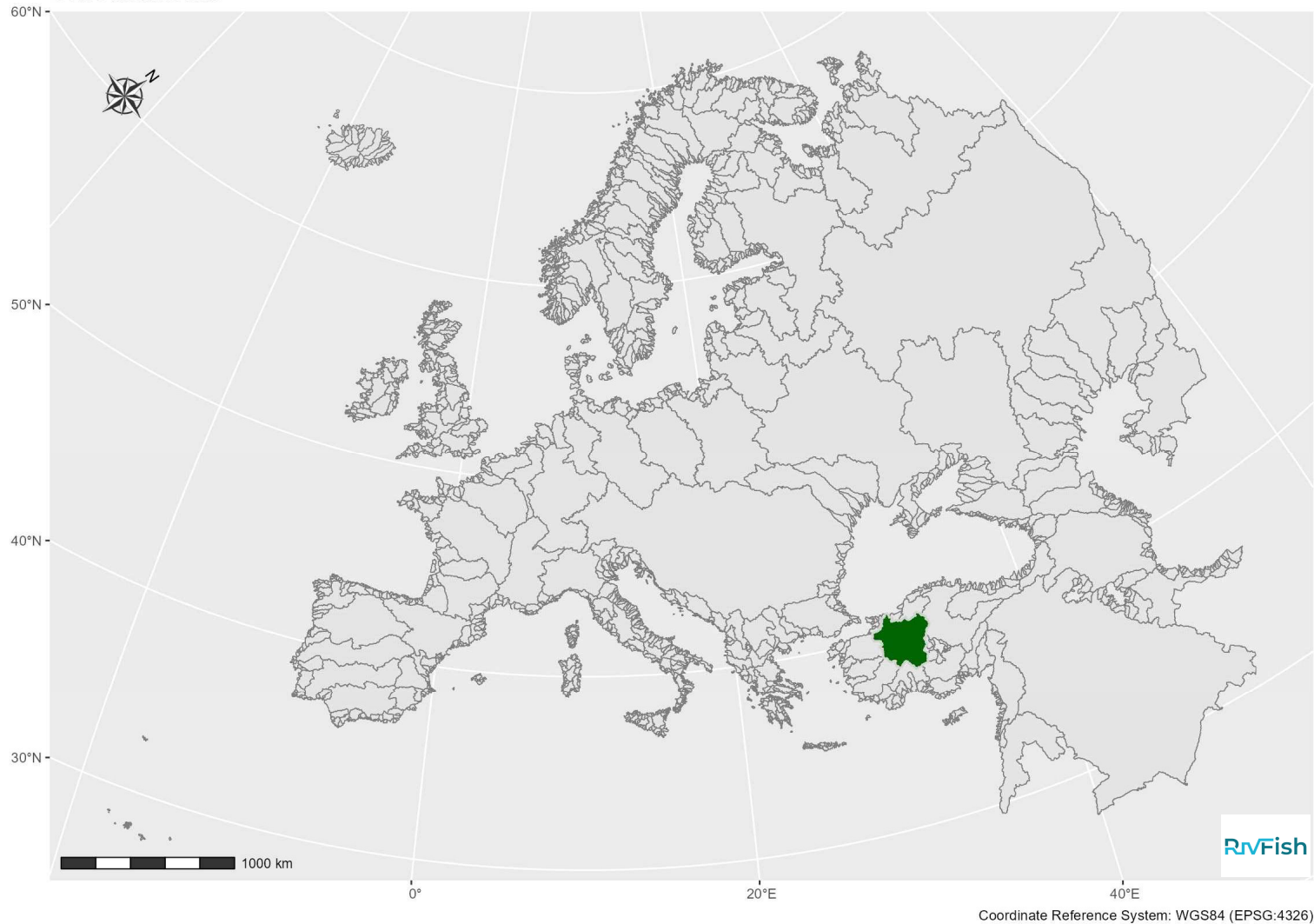
Gobio hettitorum



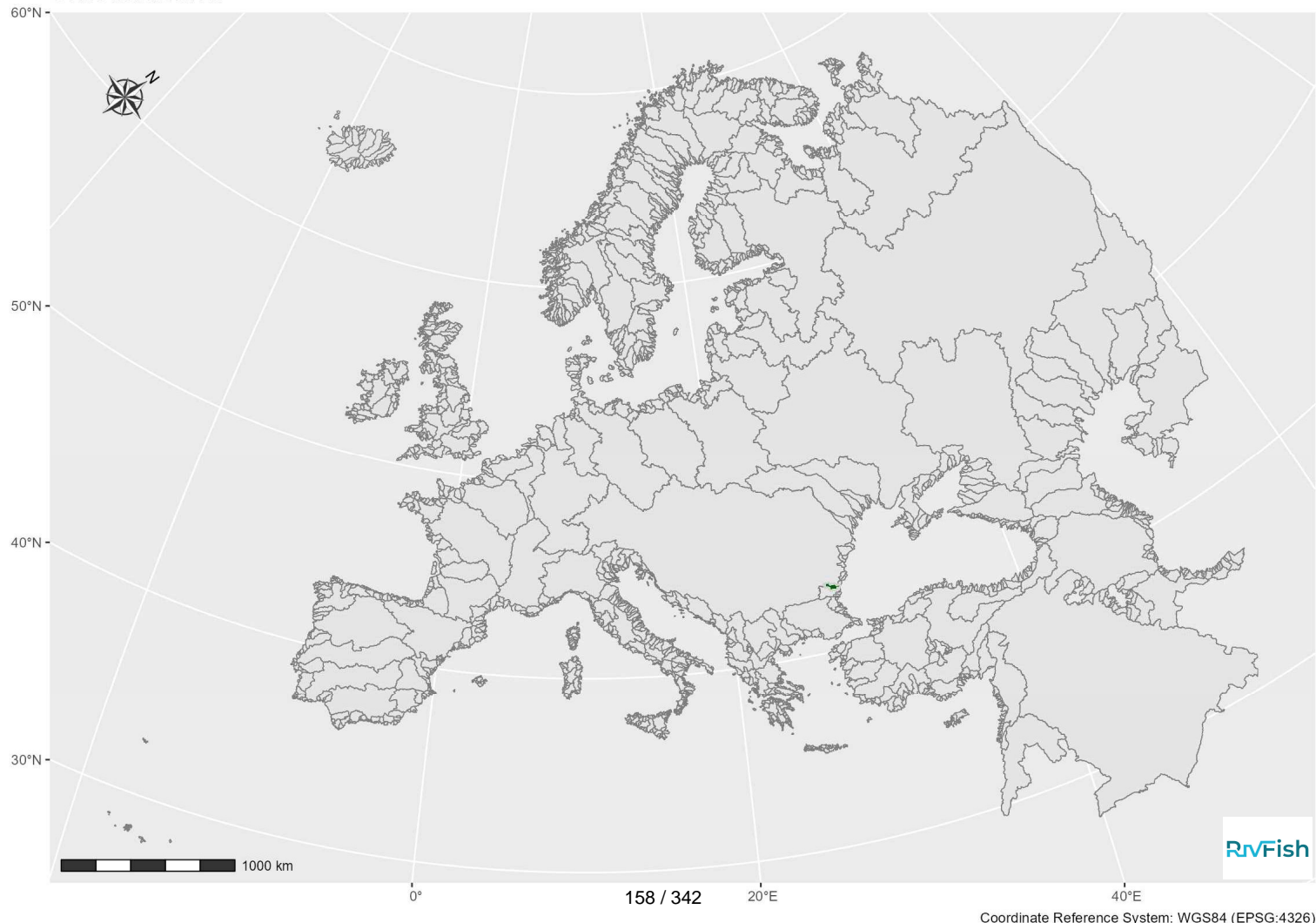
Gobio holurus



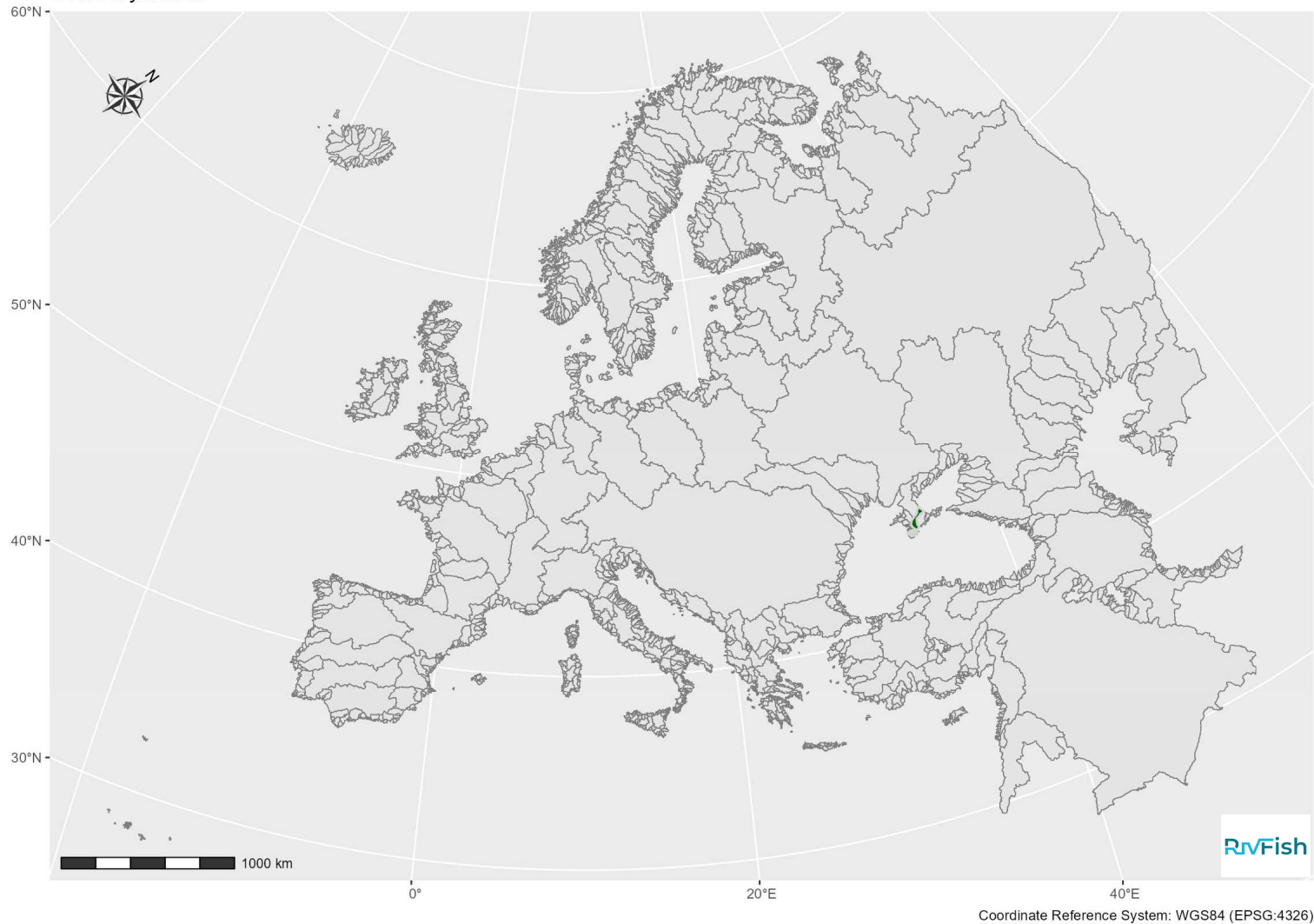
Gobio intermedius



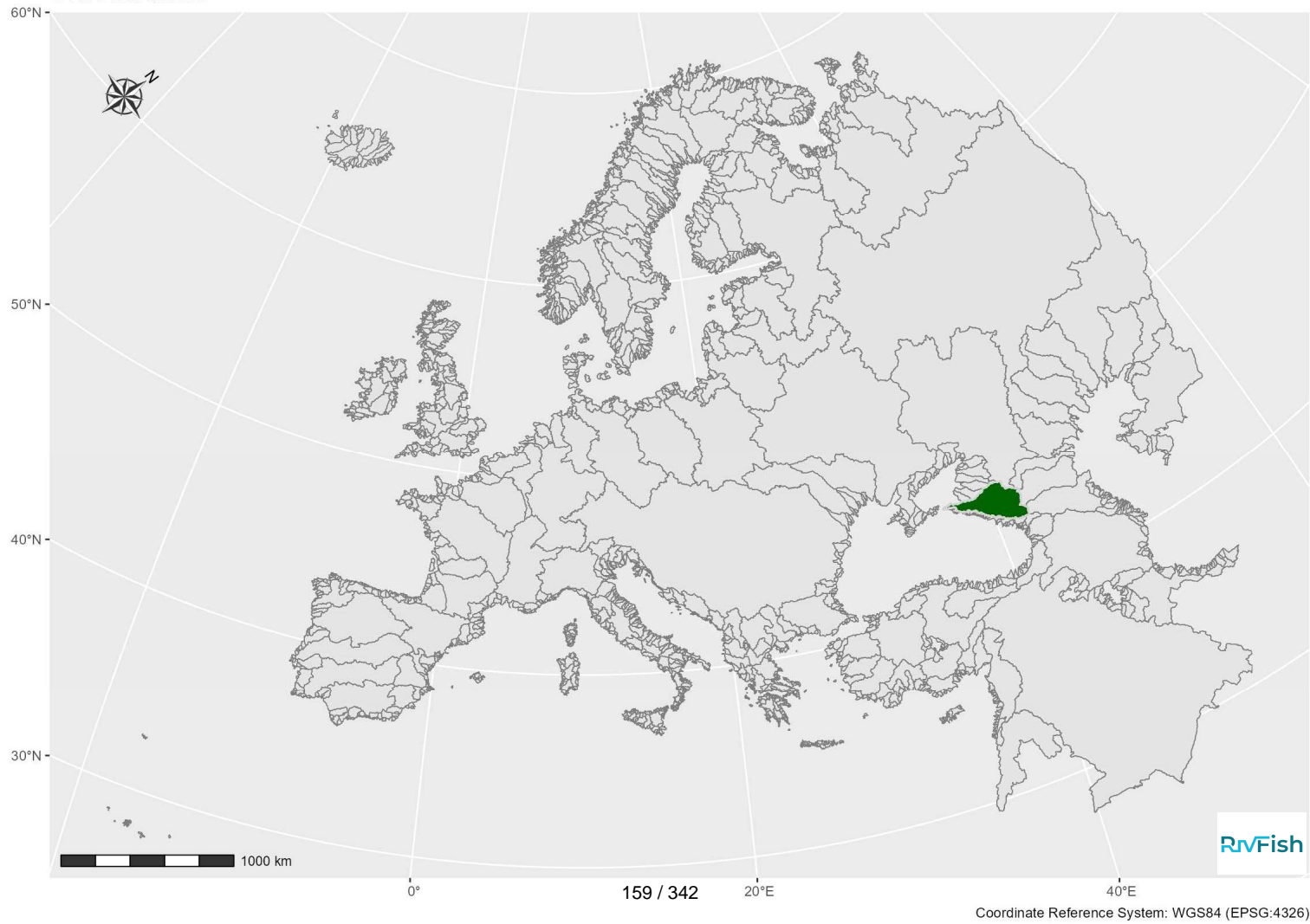
Gobio kovatschevi



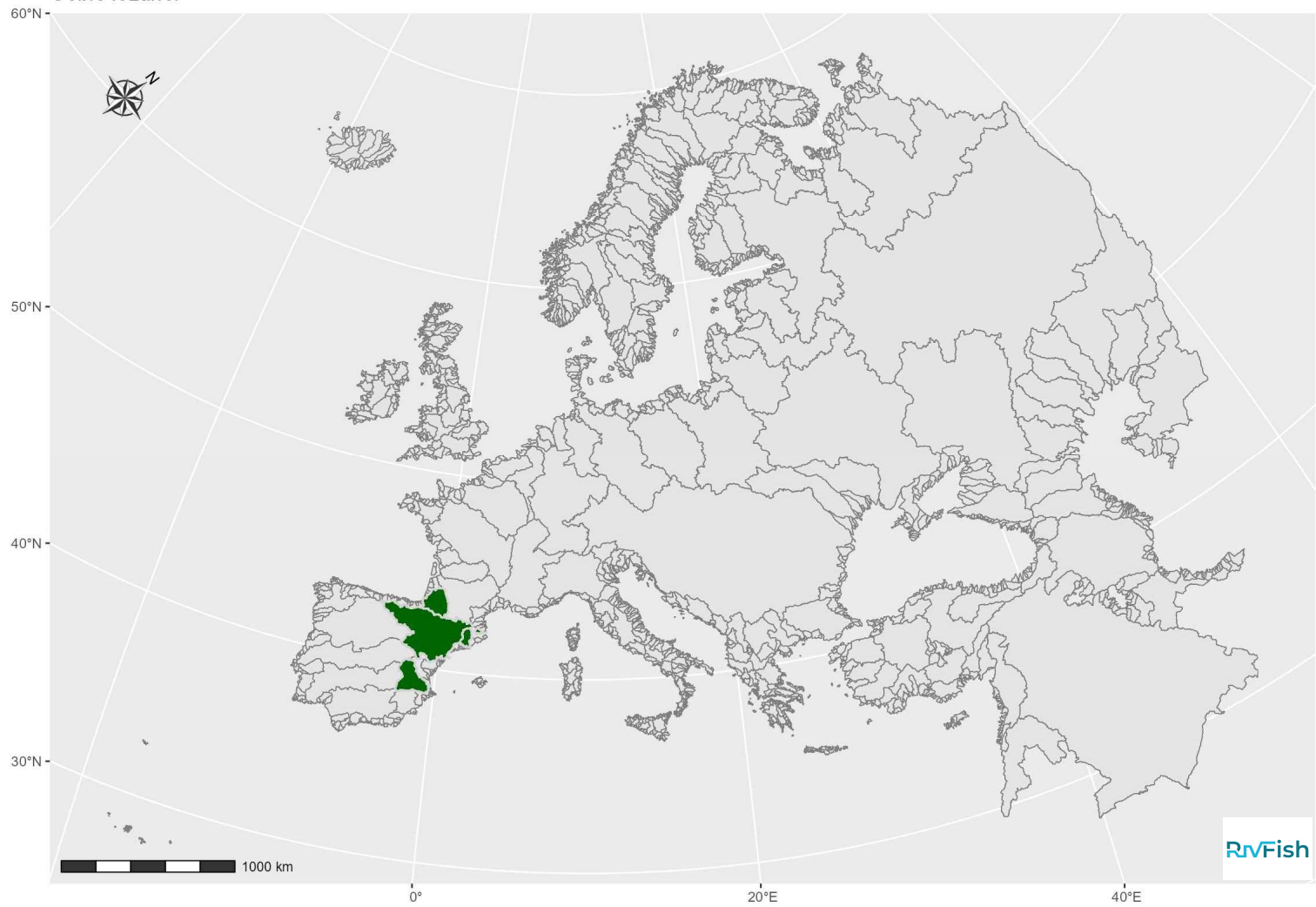
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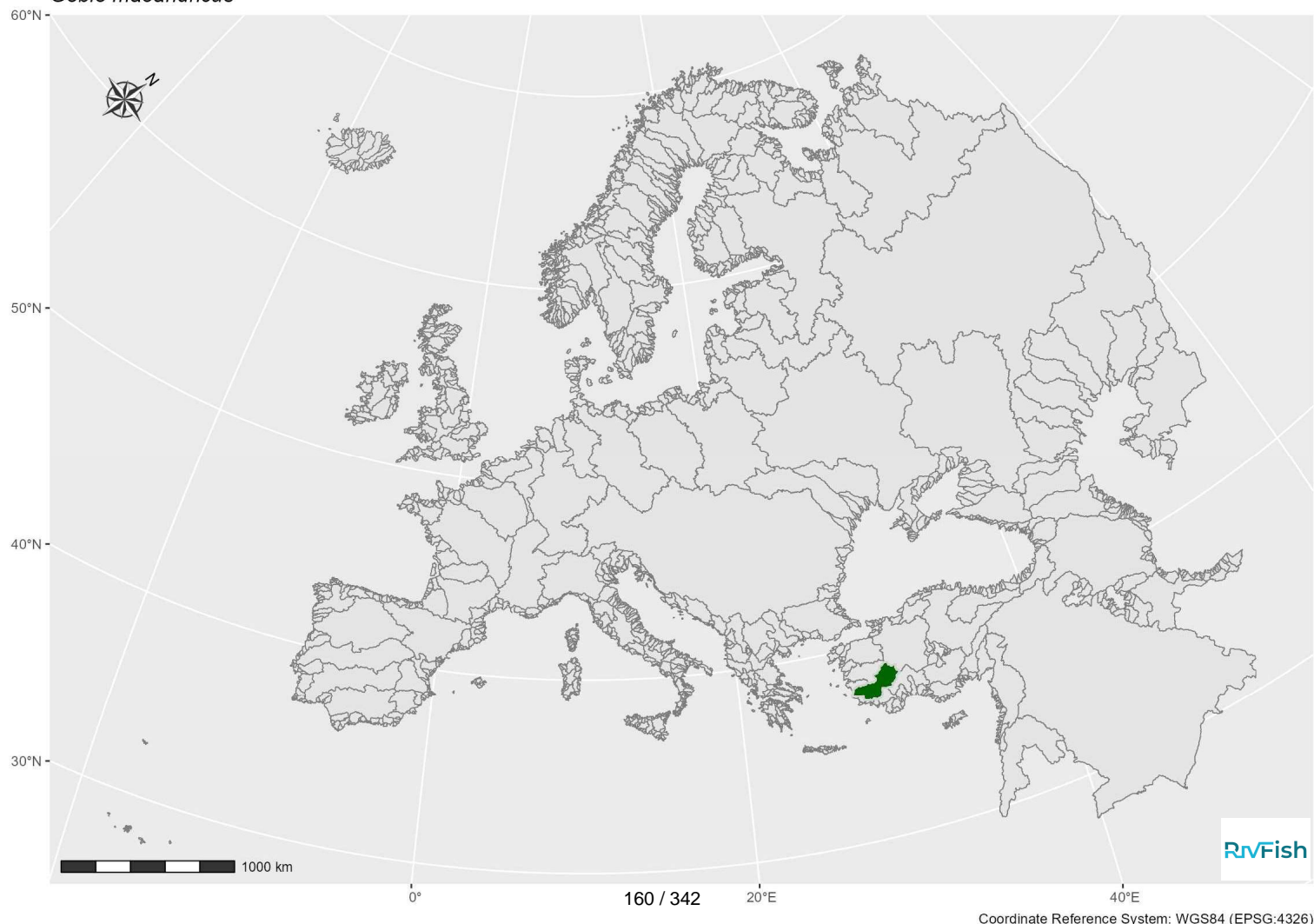
Gobio kubanicus



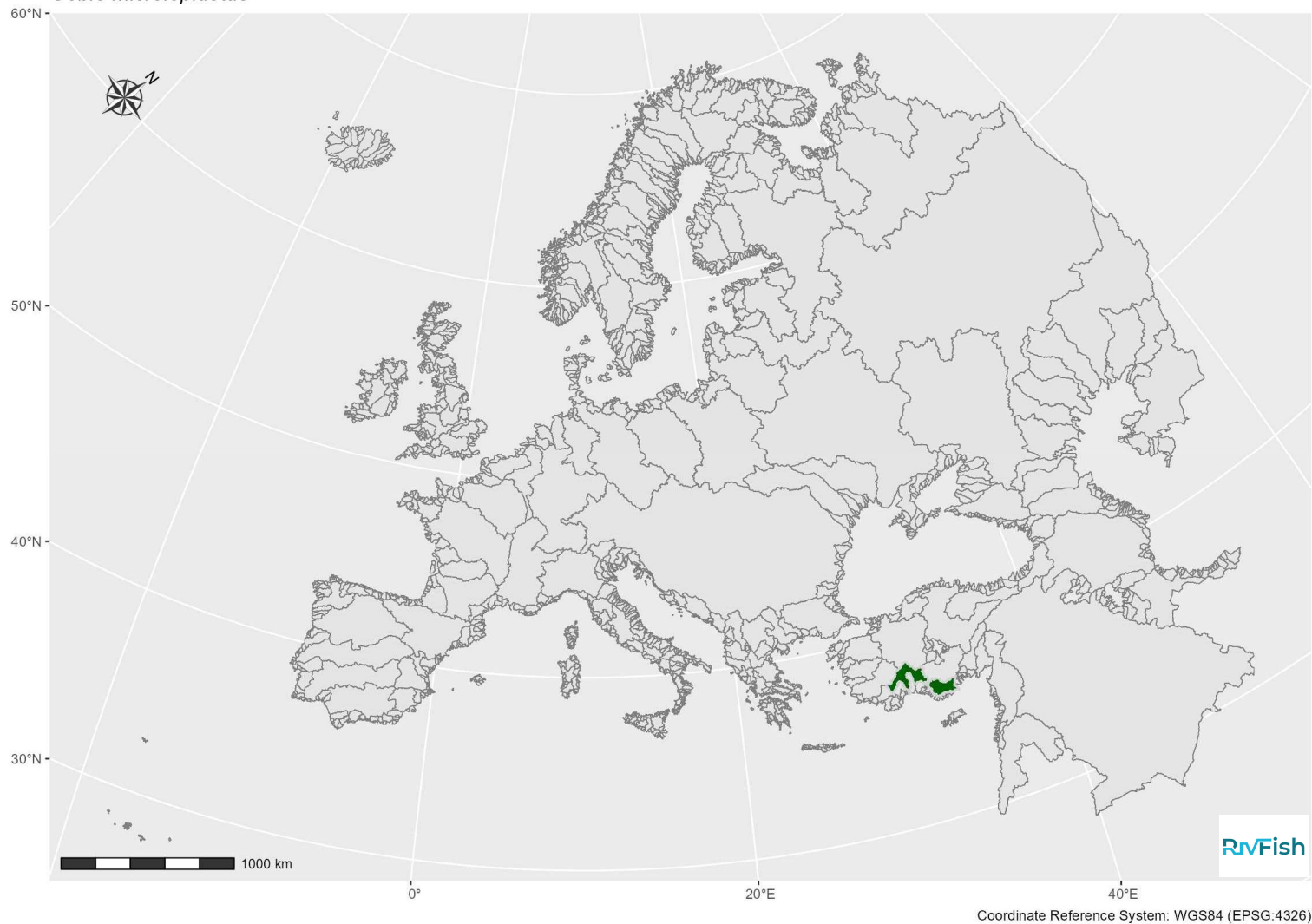
Gobio lozanoi



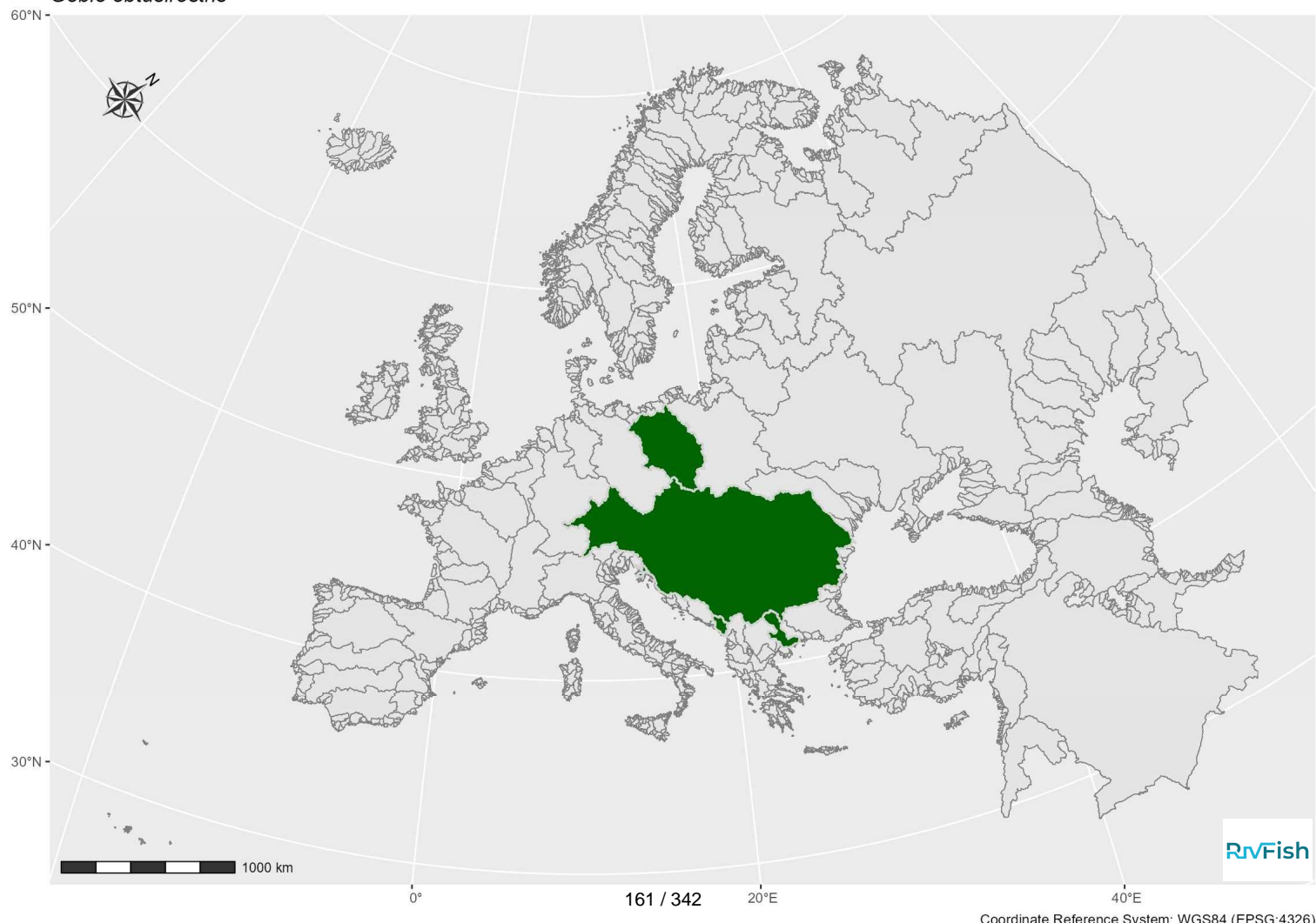
Gobio maeandricus



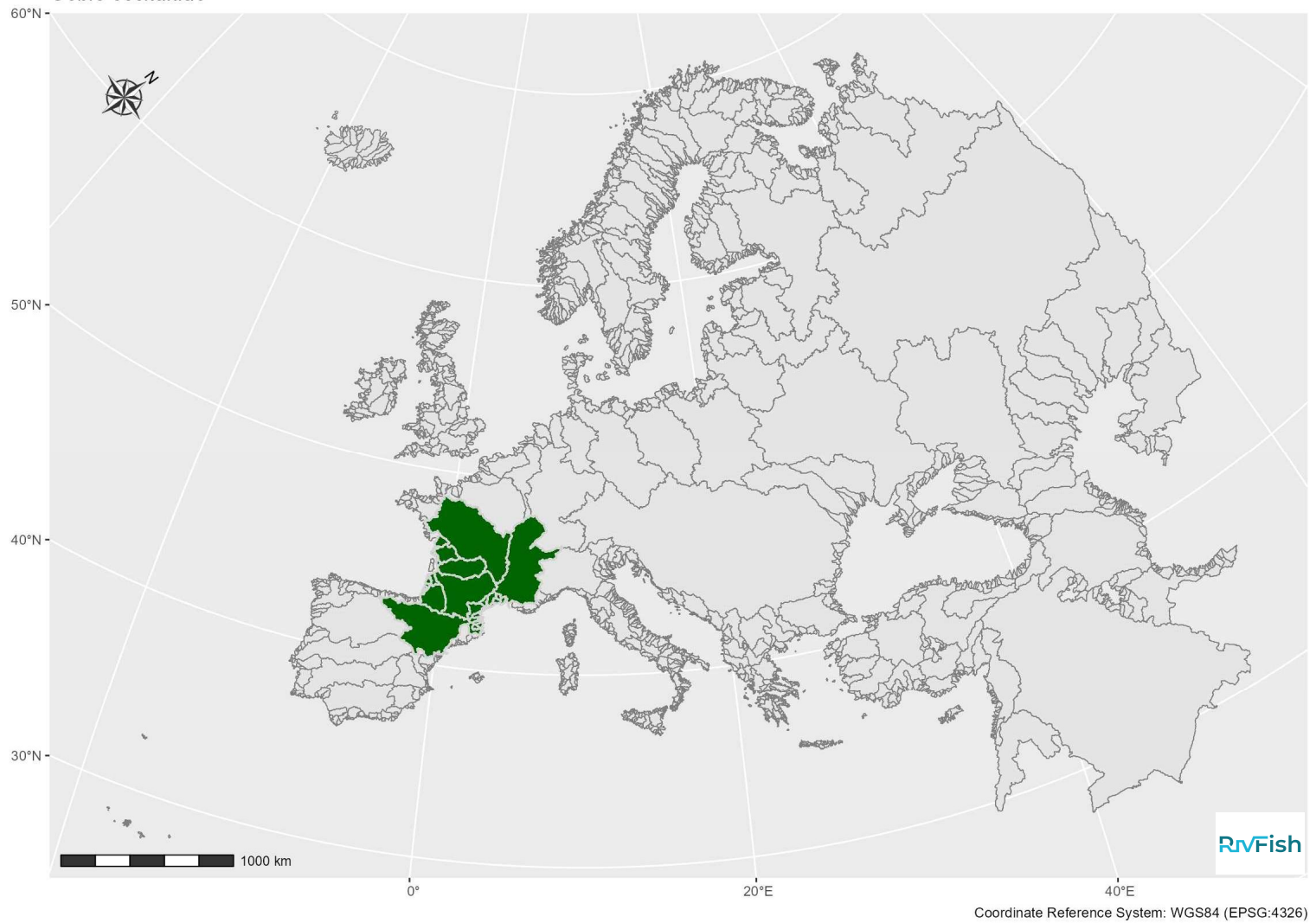
Gobio microlepidotus



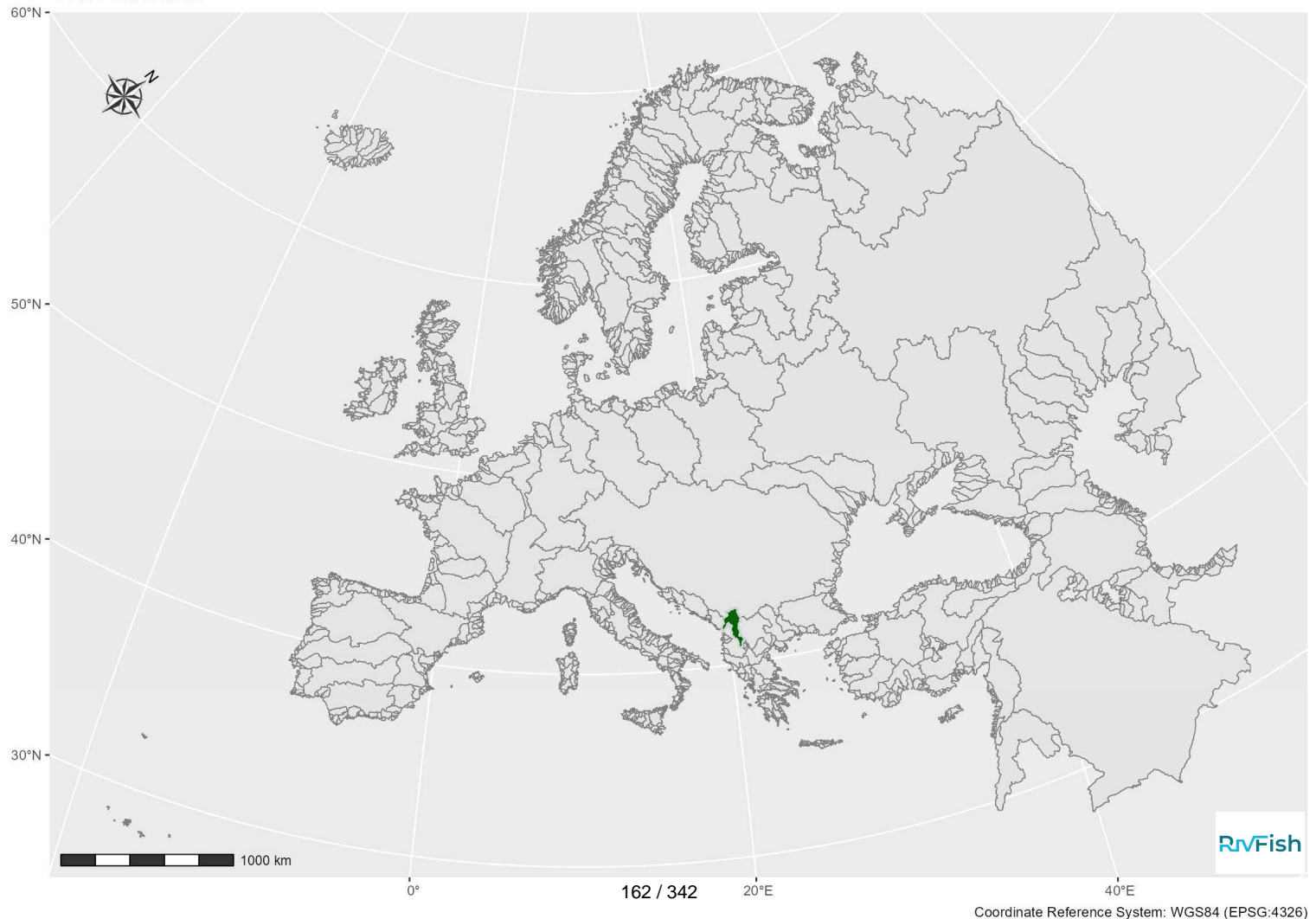
Gobio obtusirostris



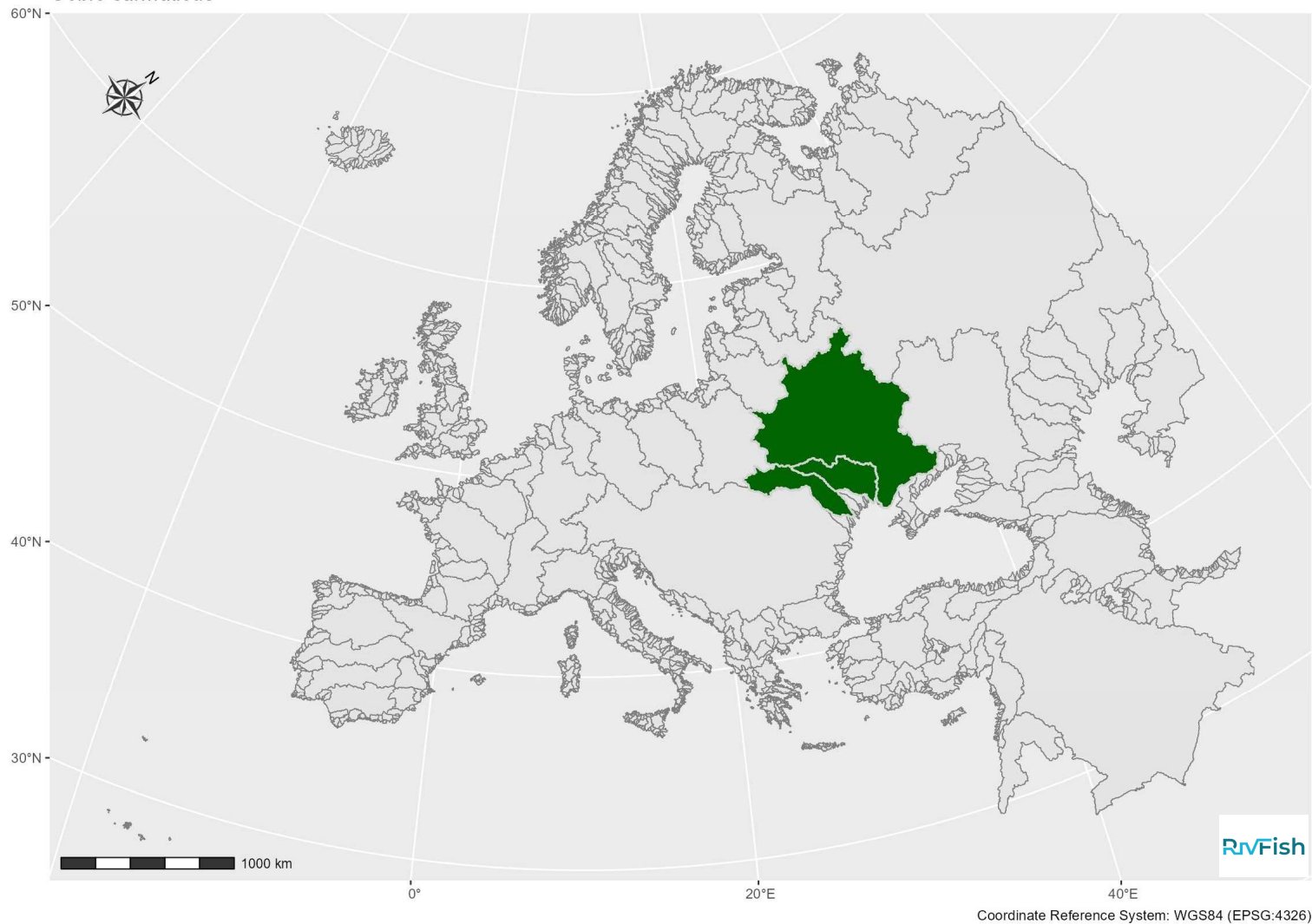
Gobio occitaniae



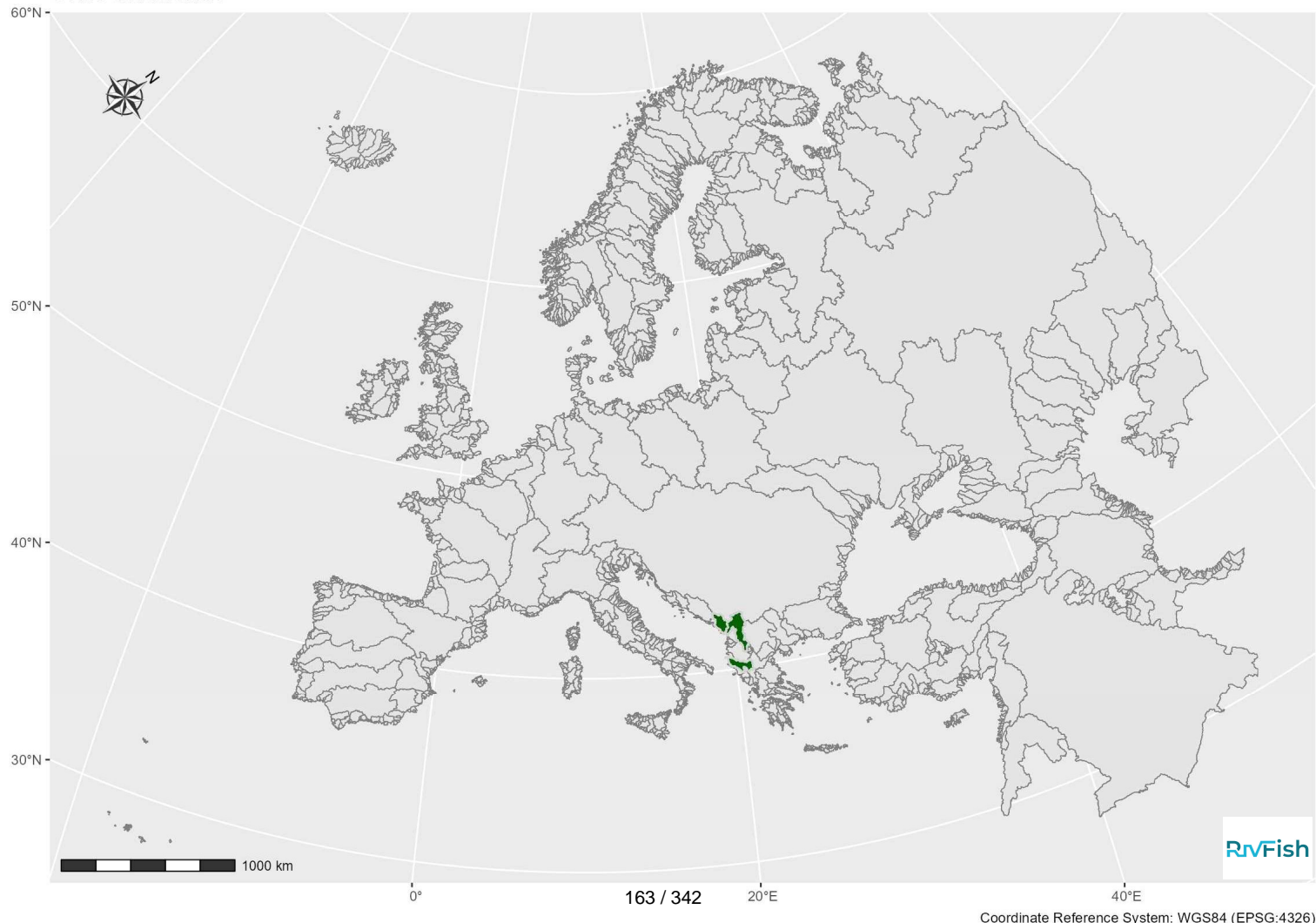
Gobio ohridanus



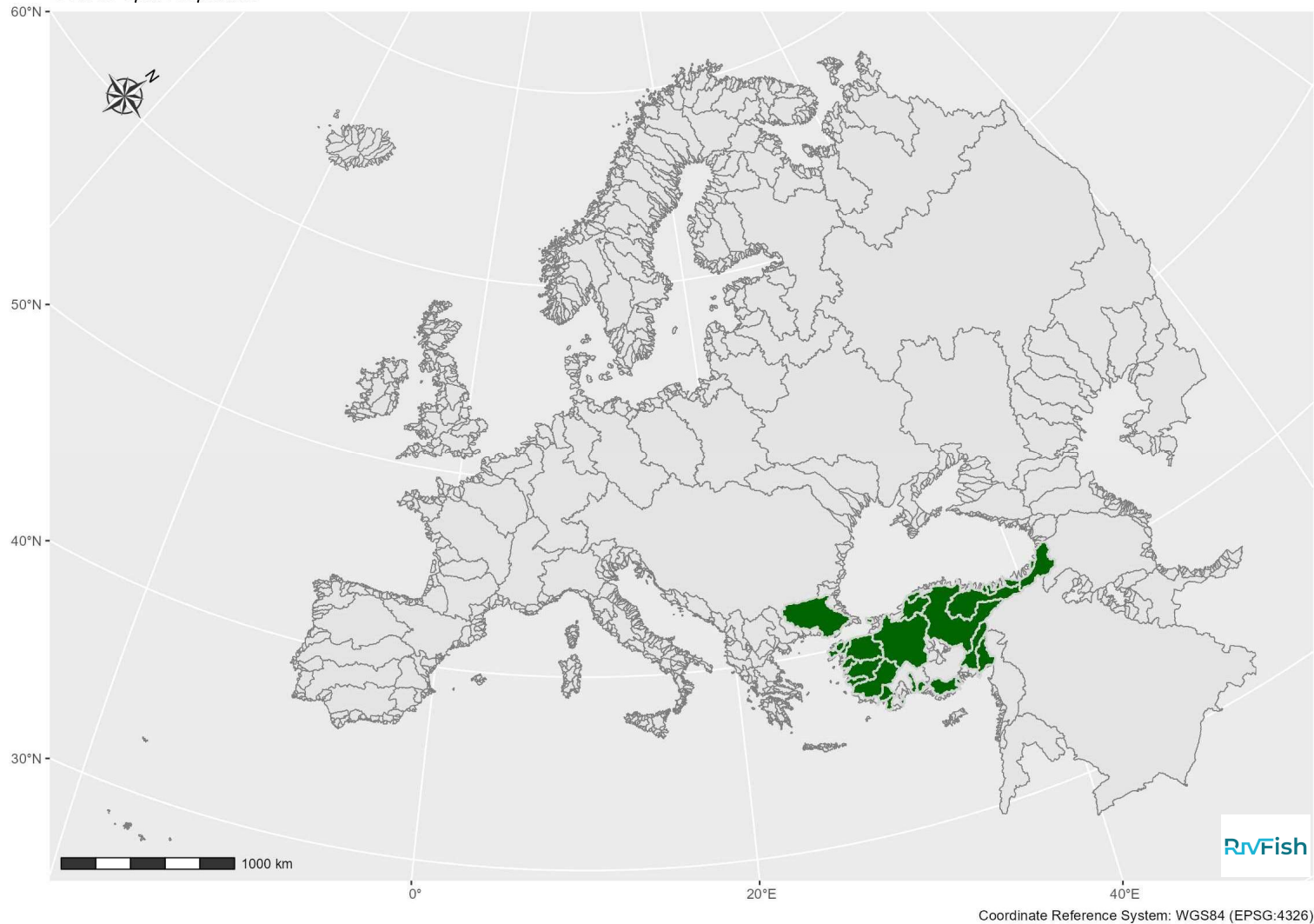
Gobio sarmaticus



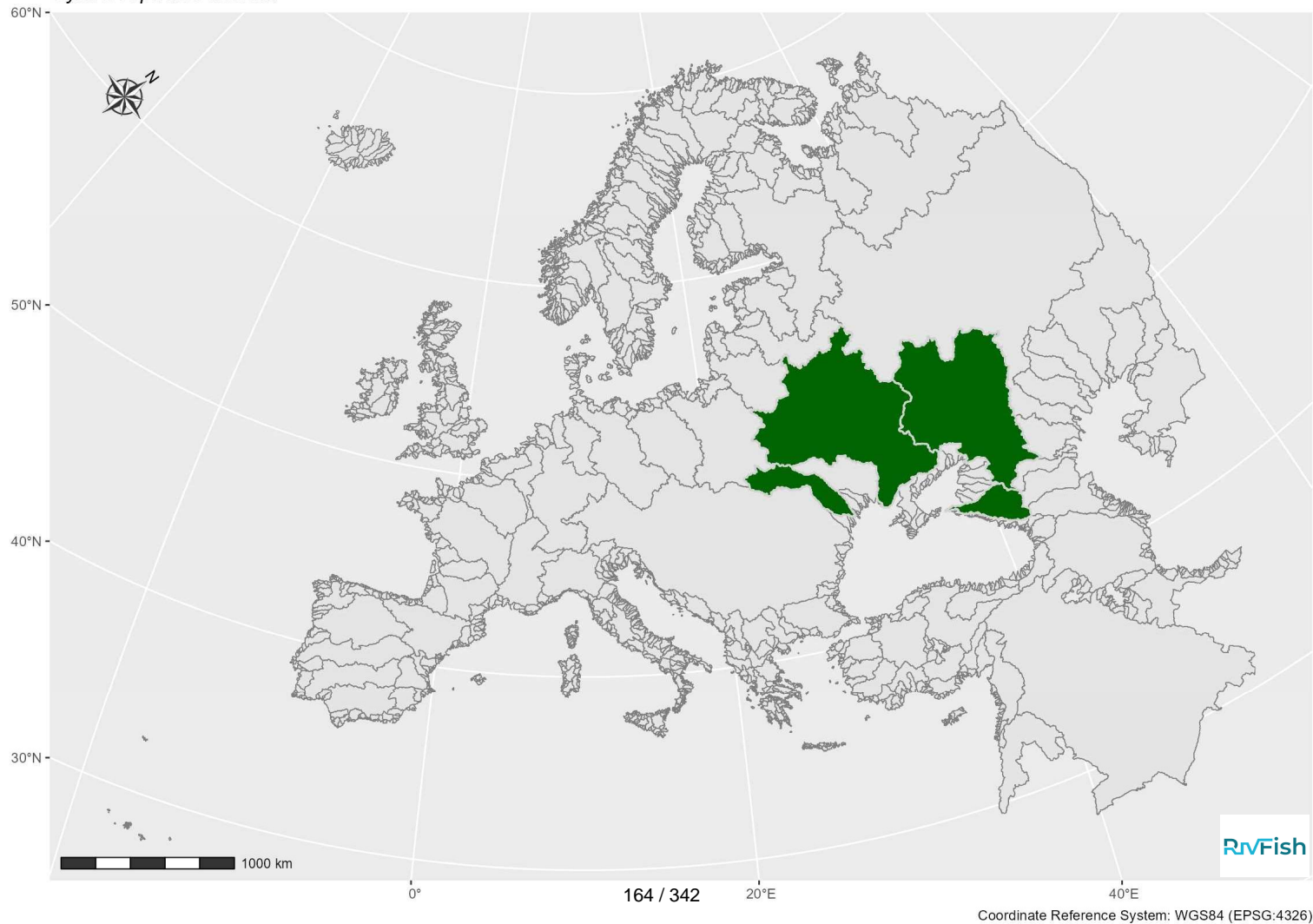
Gobio skadarensis



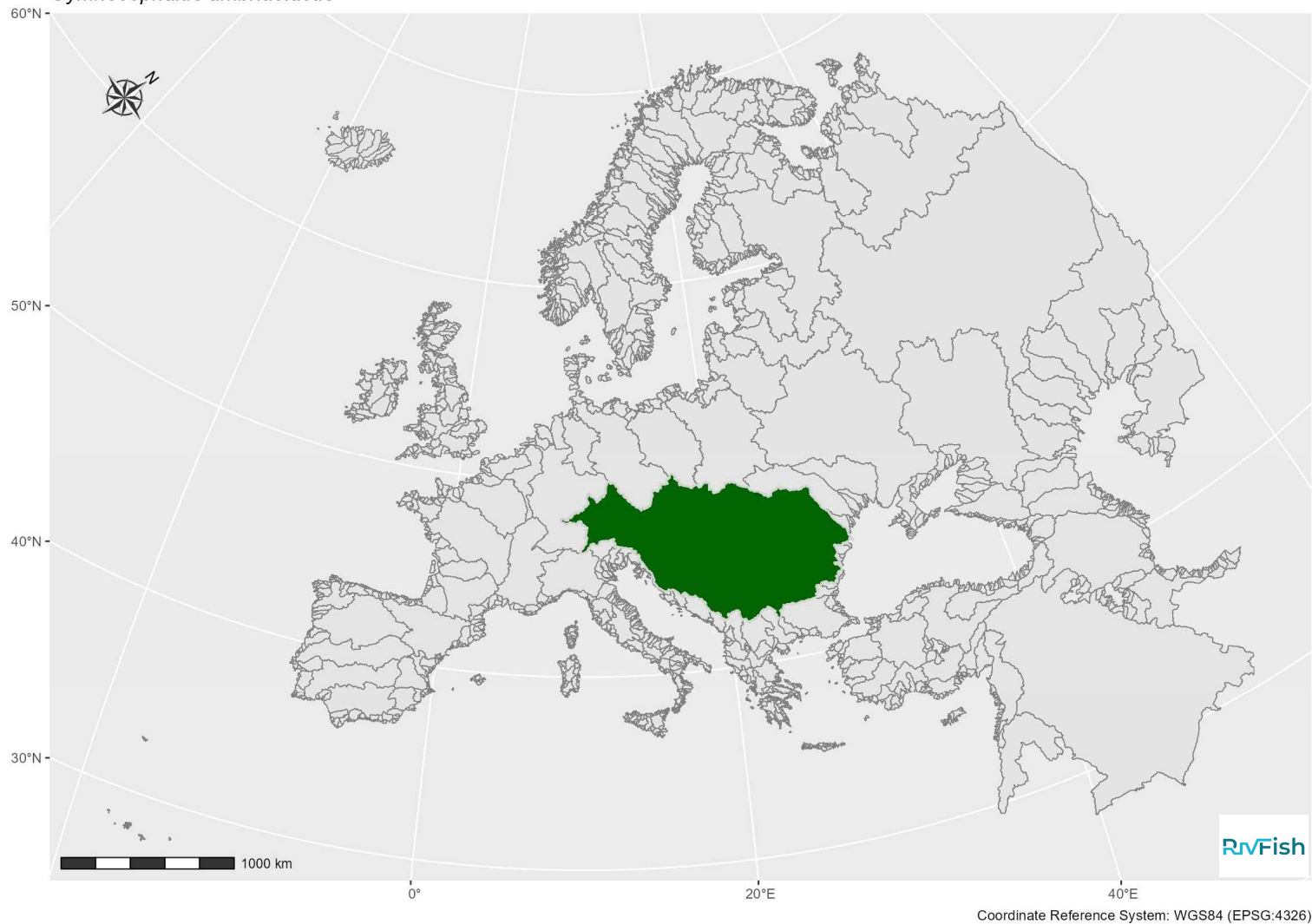
Gobius ophiocephalus



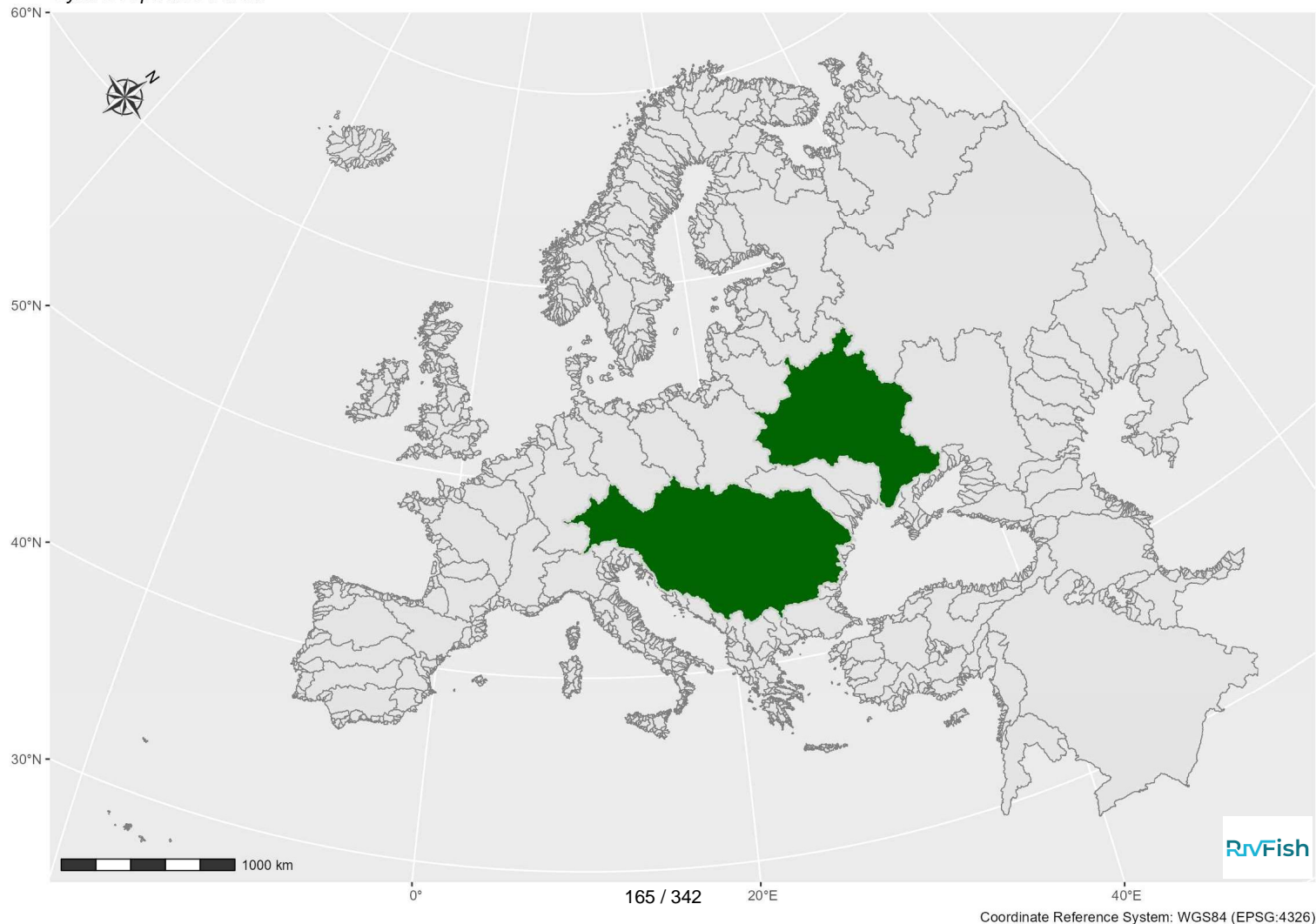
Gymnocephalus acerina



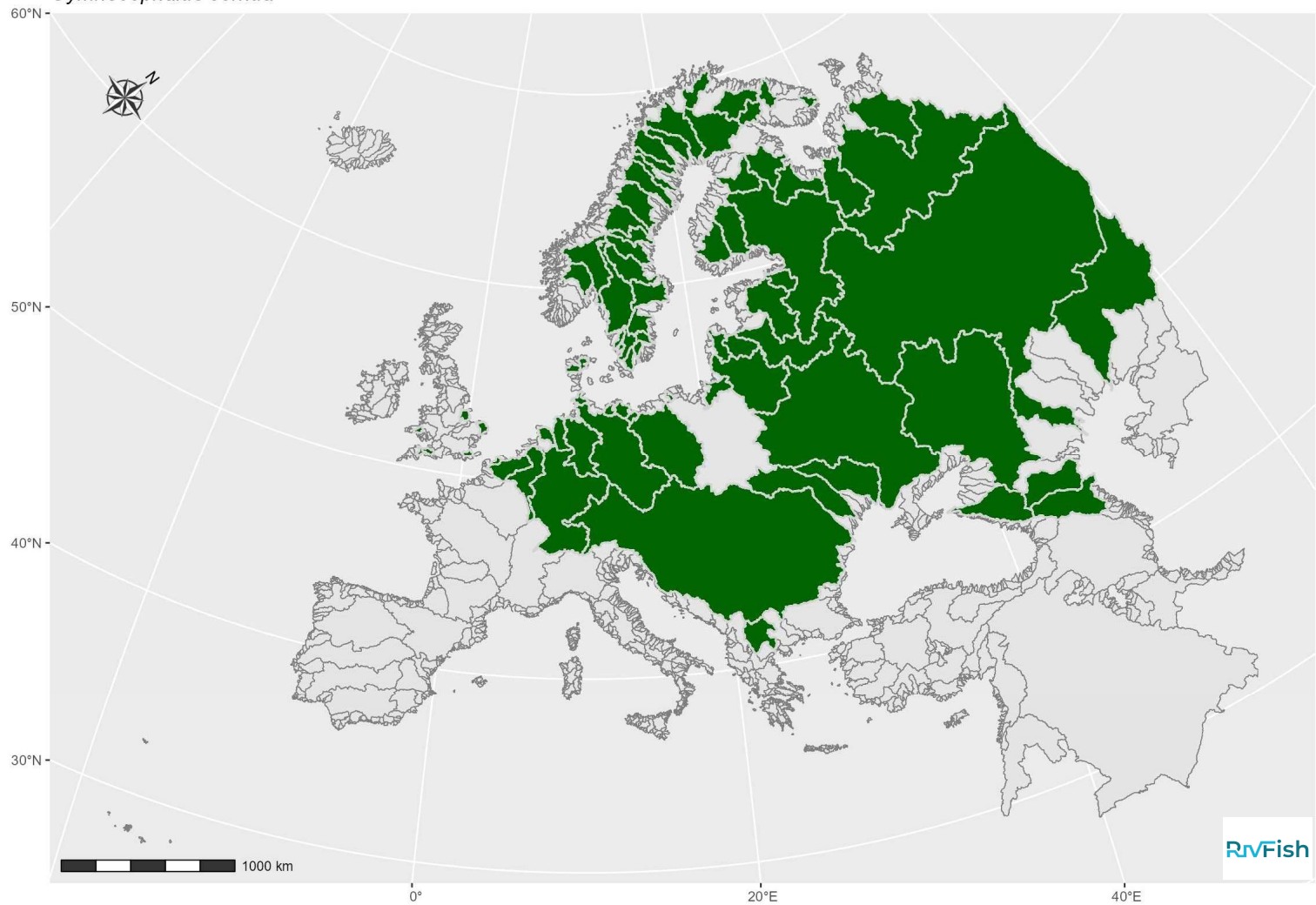
Gymnocephalus ambriaelacus



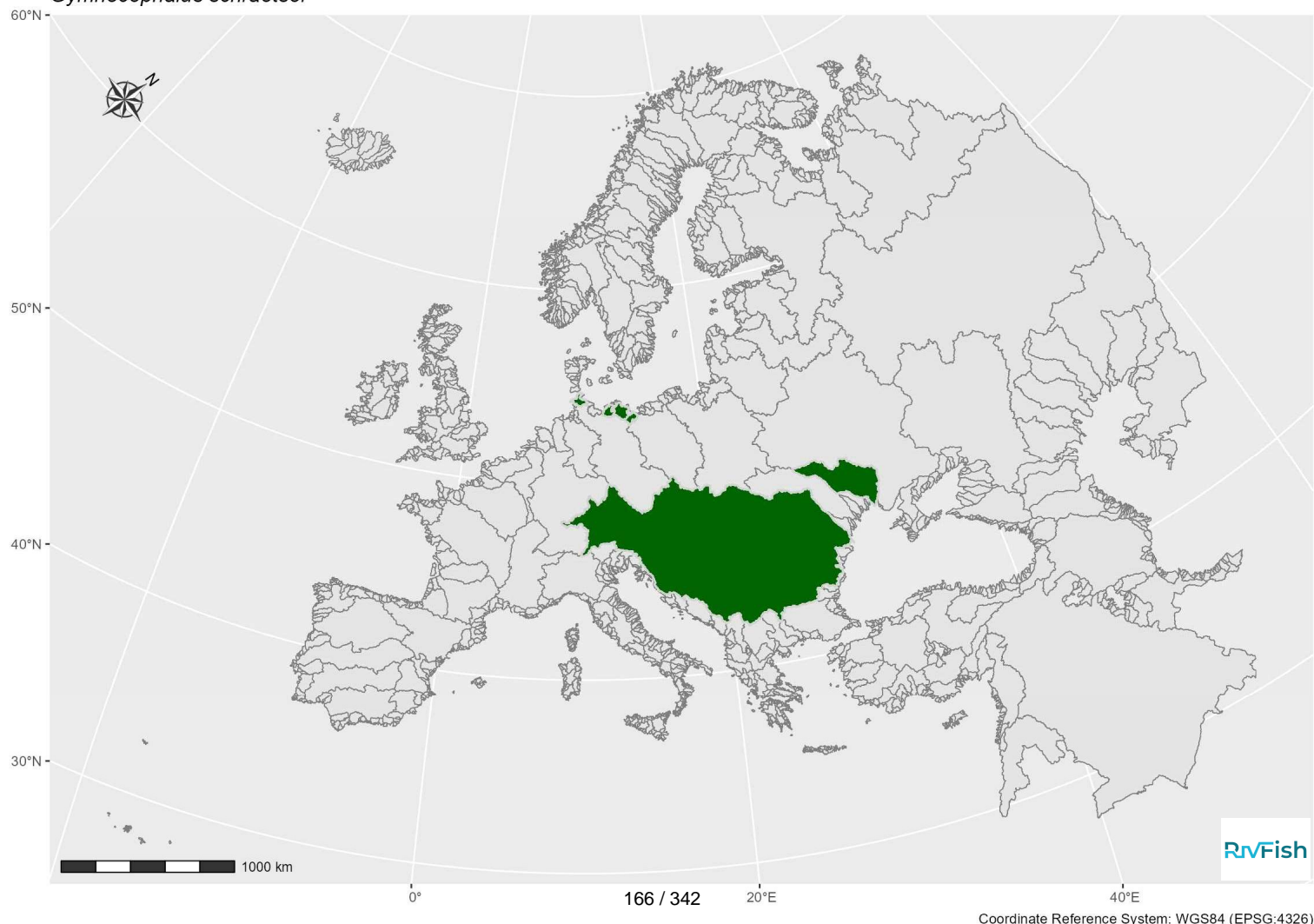
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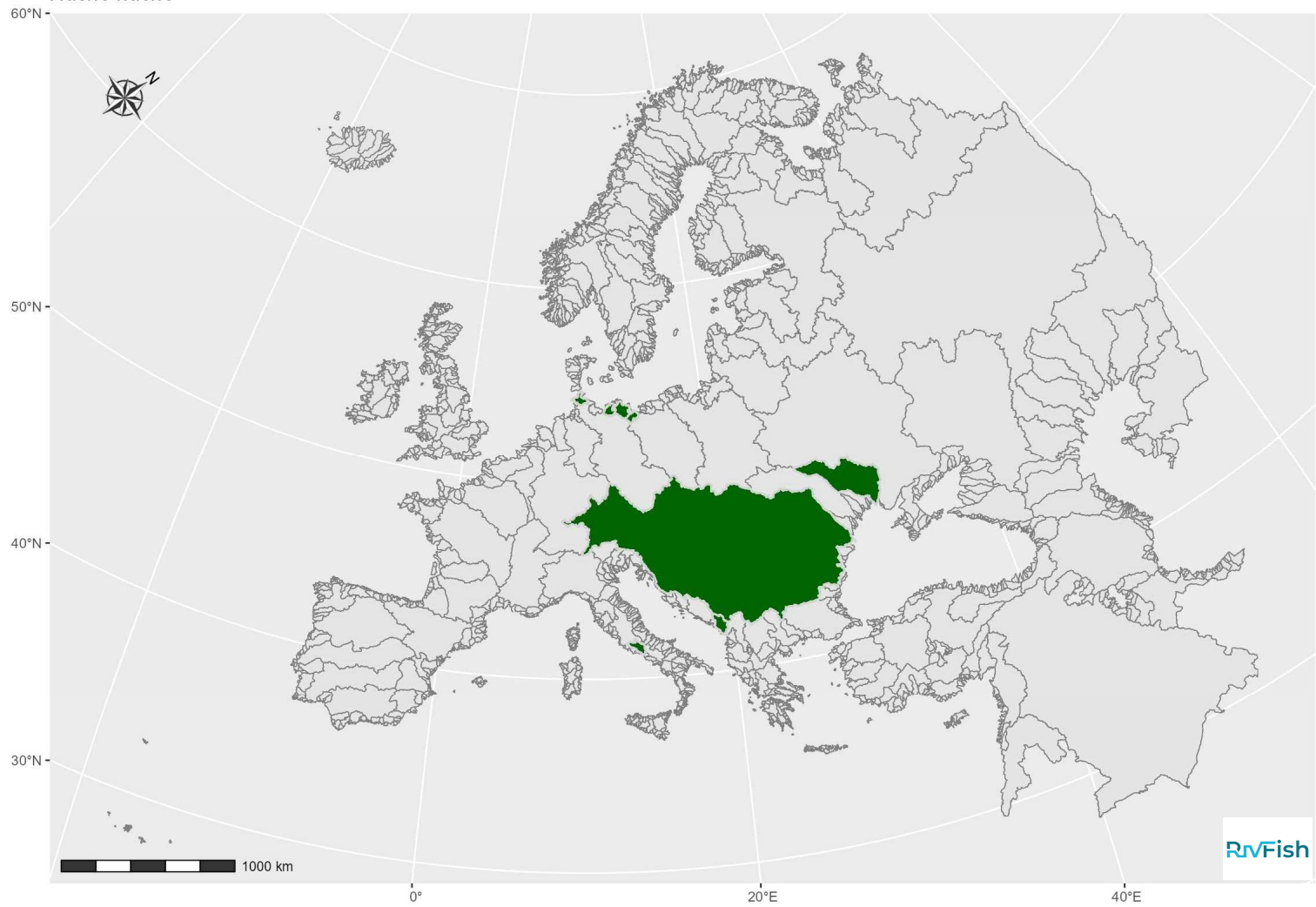
Gymnocephalus cernua



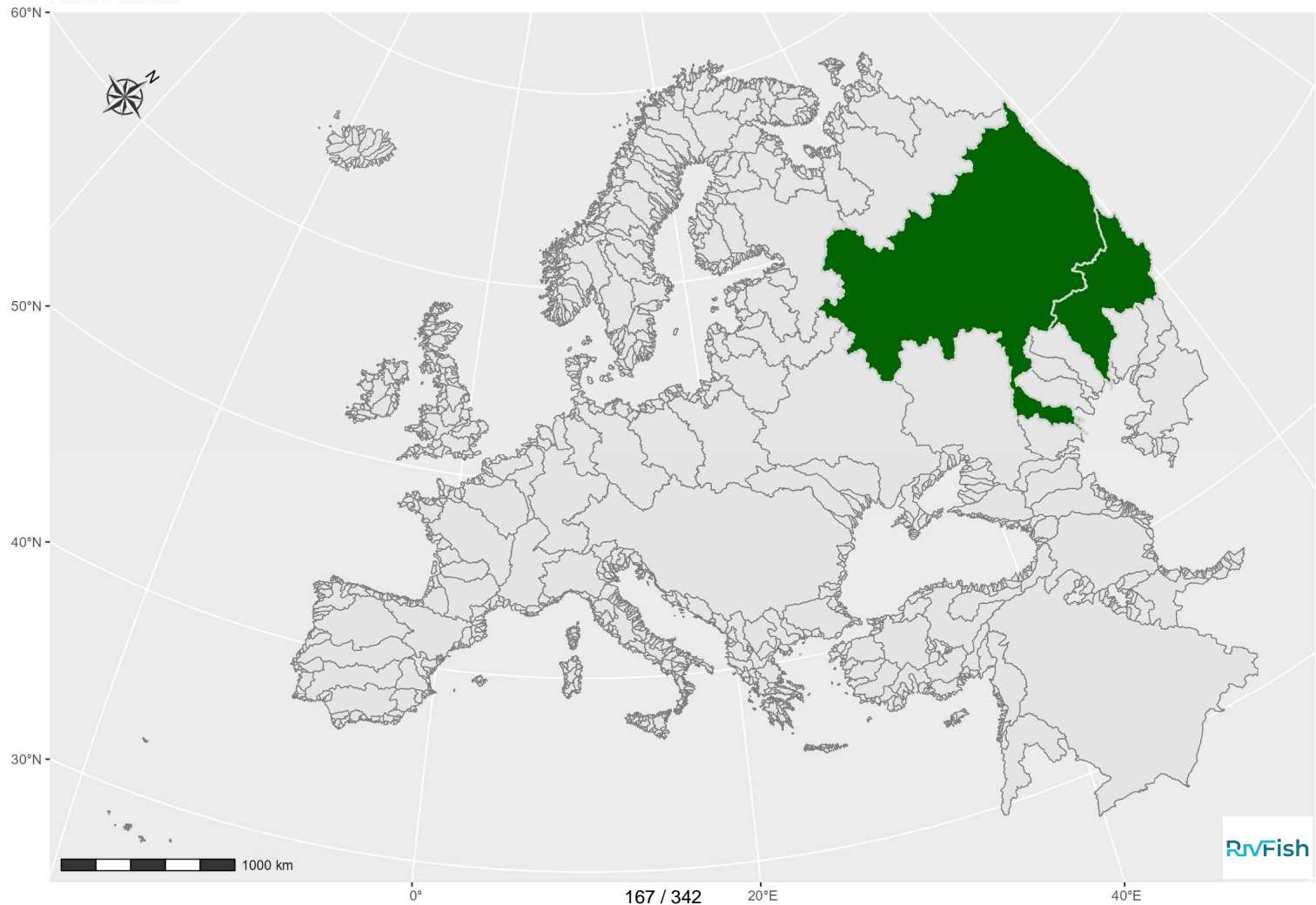
Gymnocephalus schraetser



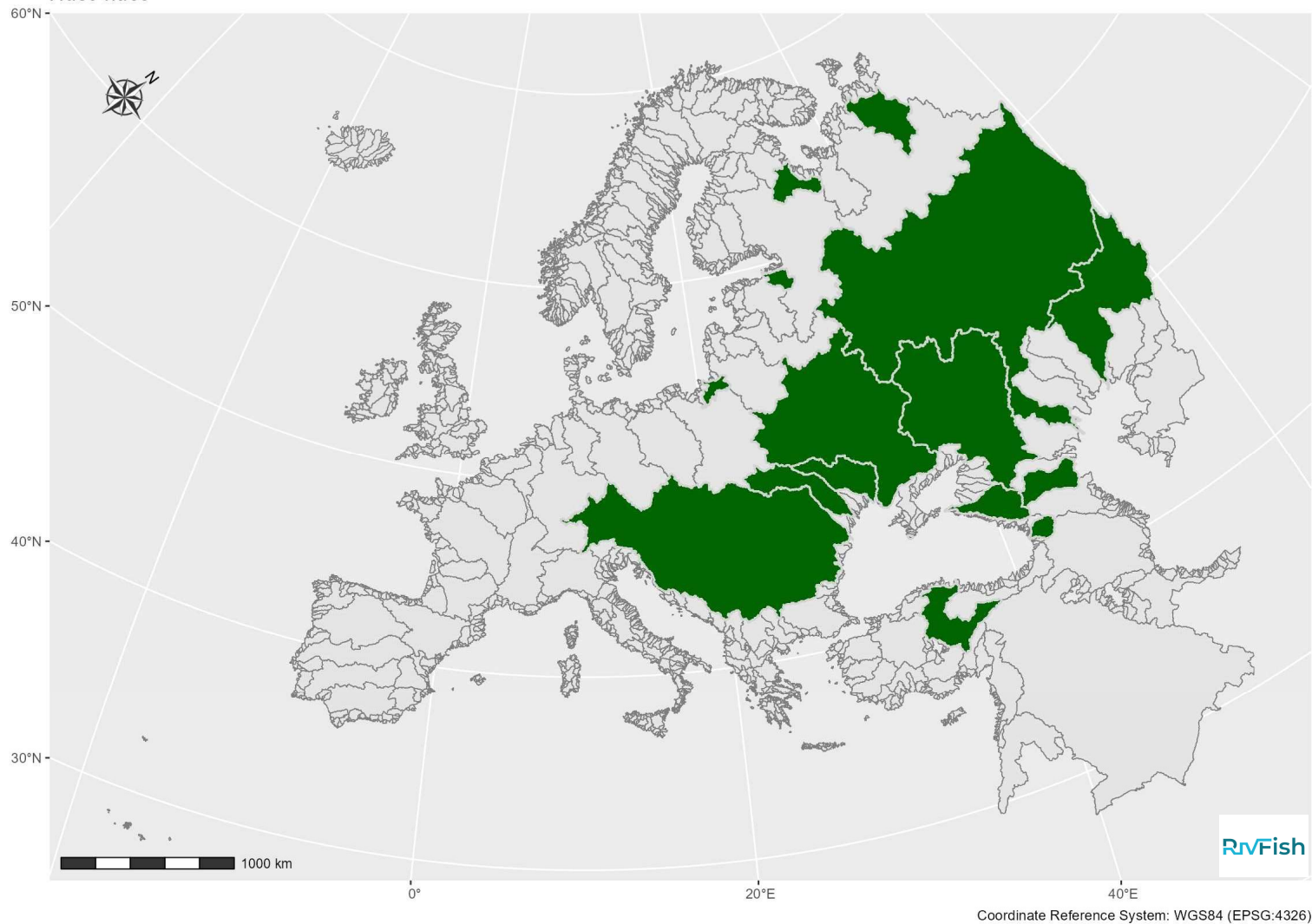
Hucho hucho



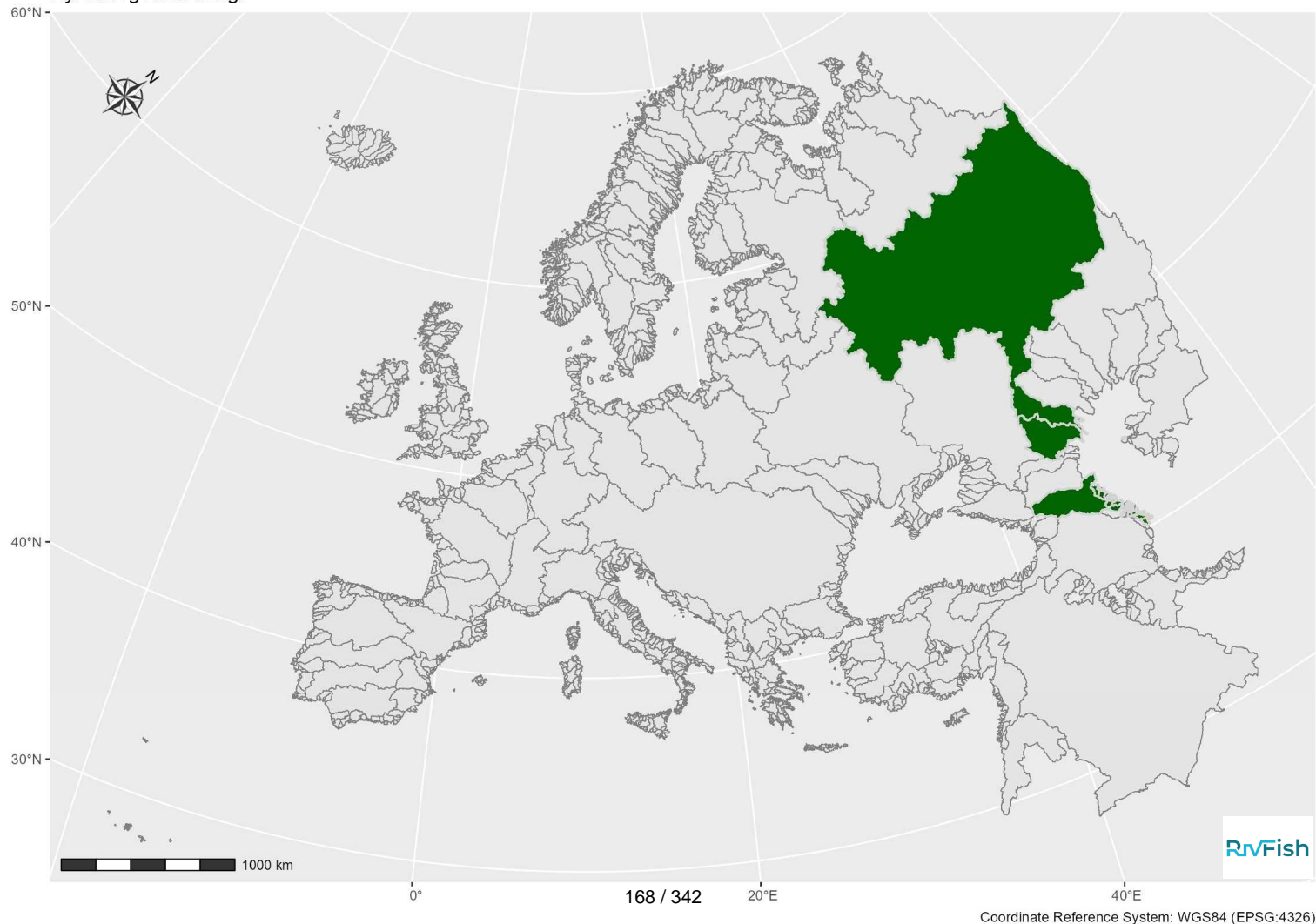
Hucho taimen



Huso huso



Hyrcanogobius bergi



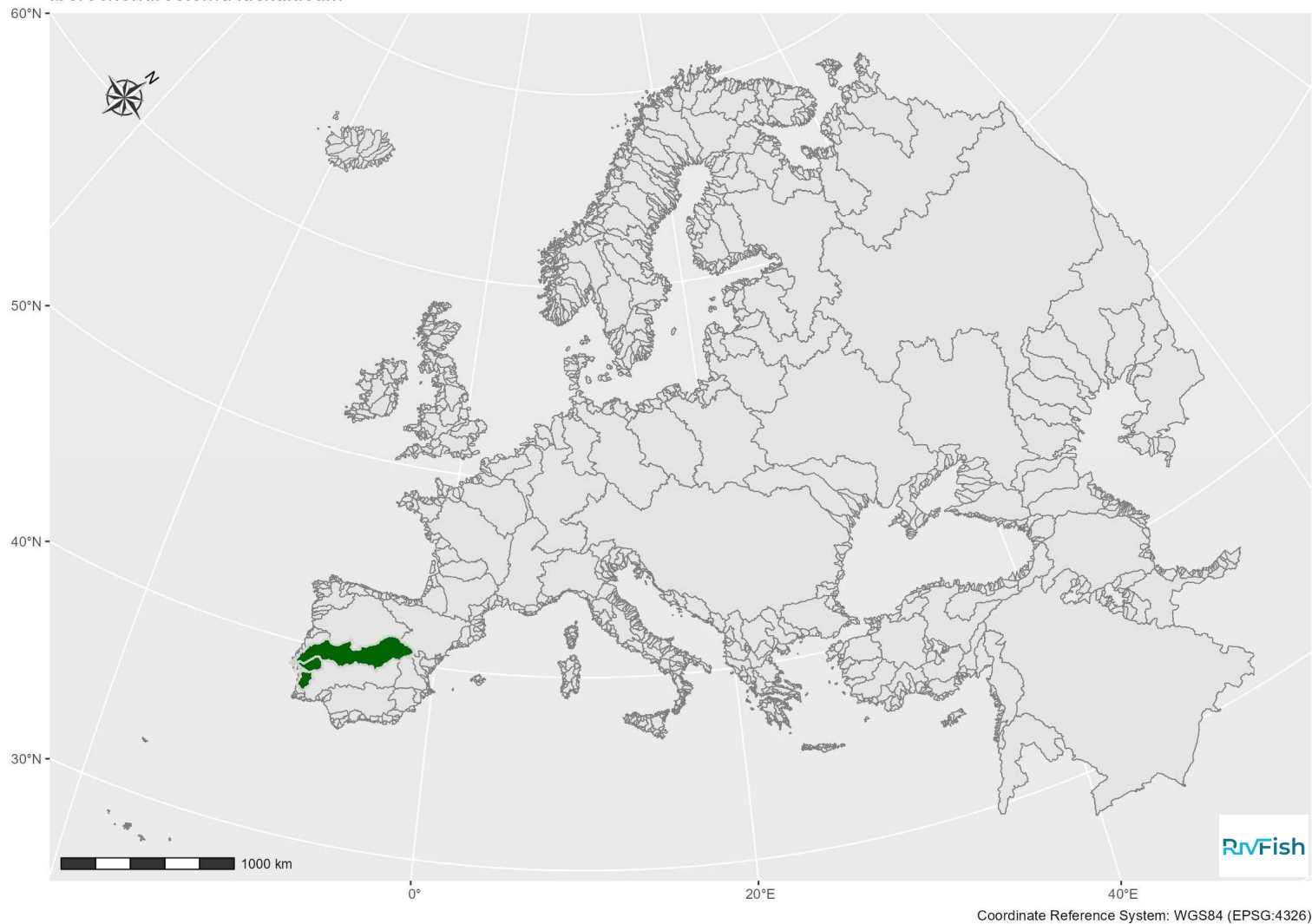
Iberochondrostoma almakai



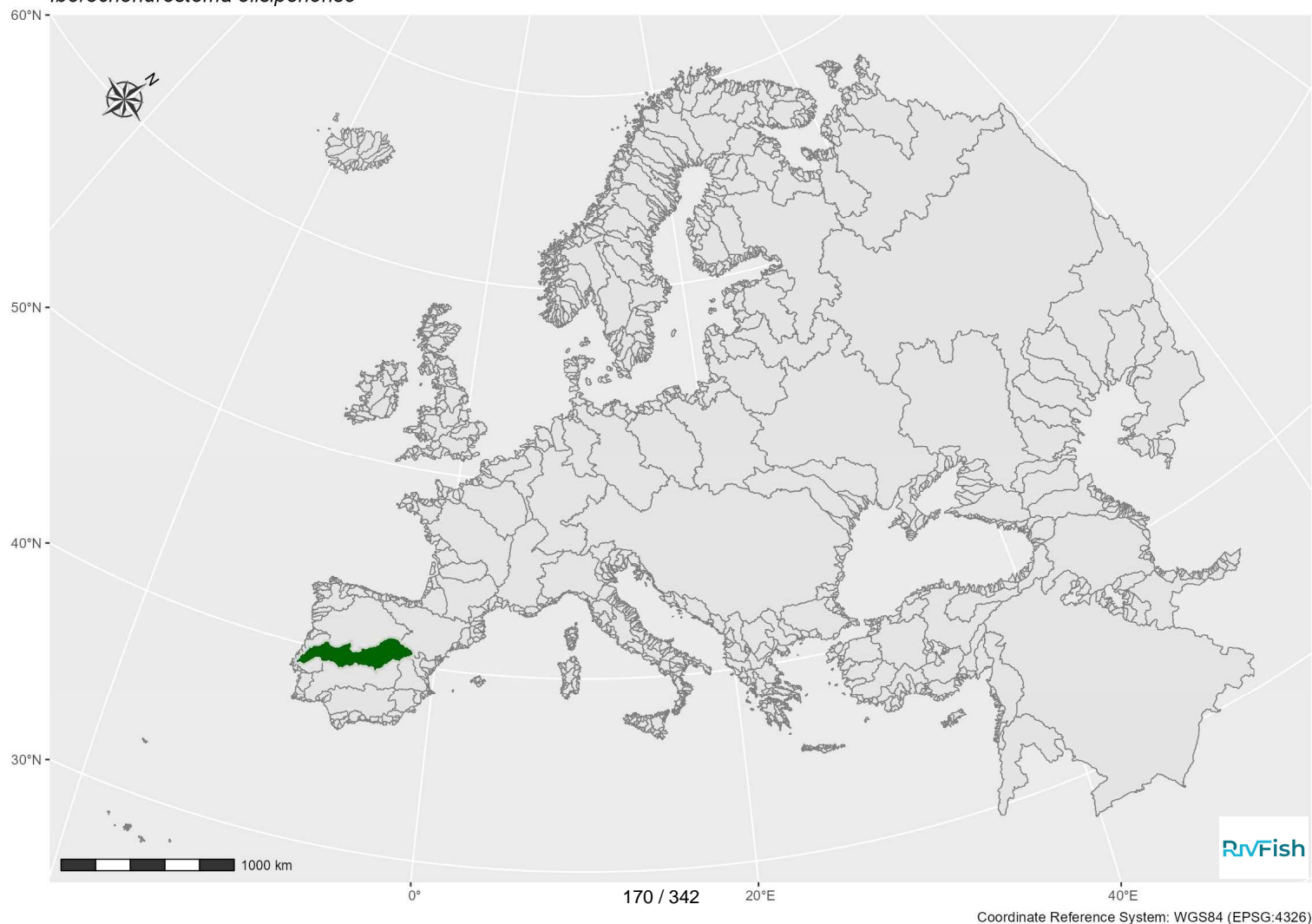
Iberochondrostoma lemmingii



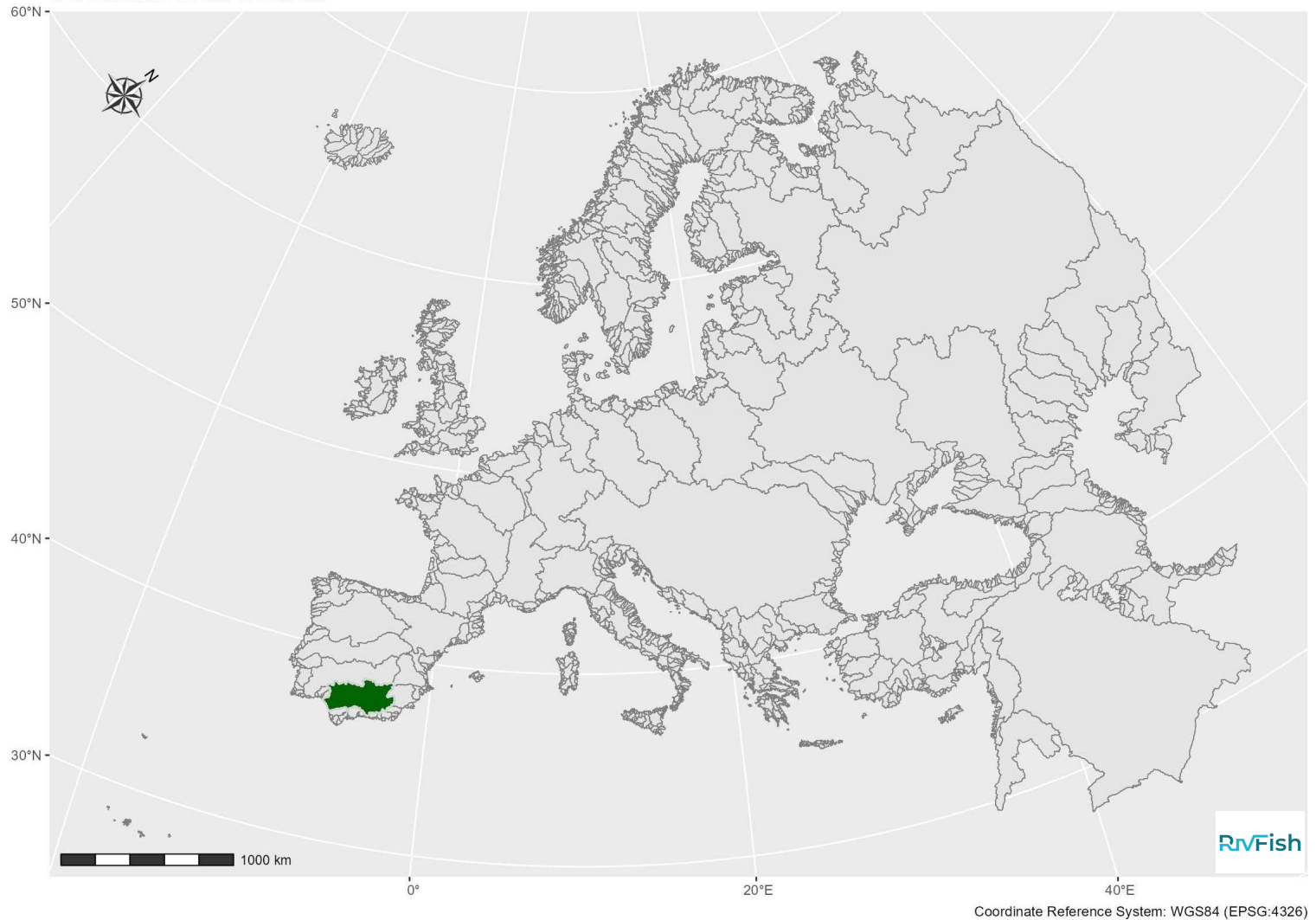
Iberochondrostoma lusitanicum



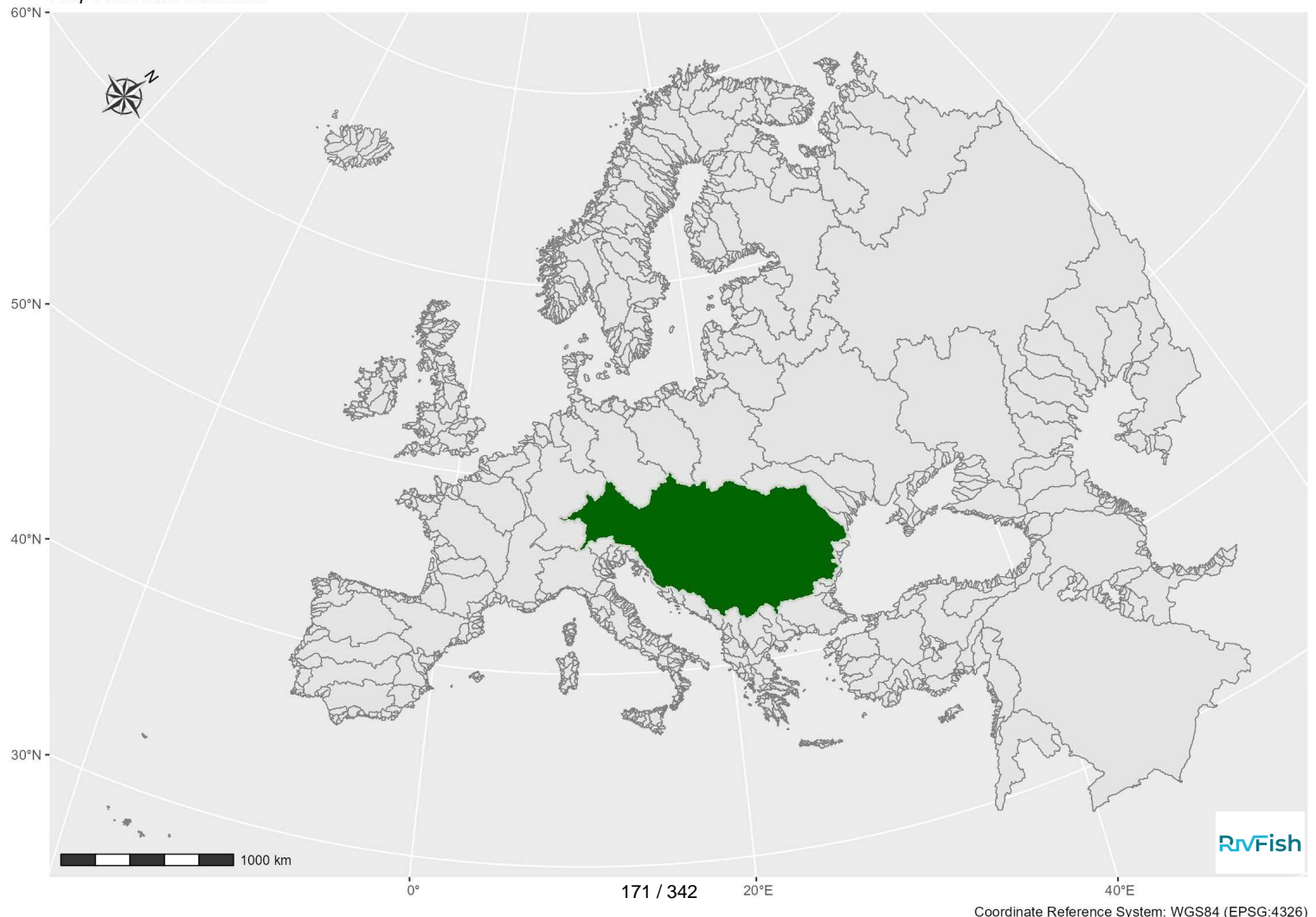
Iberochondrostoma olisiponense



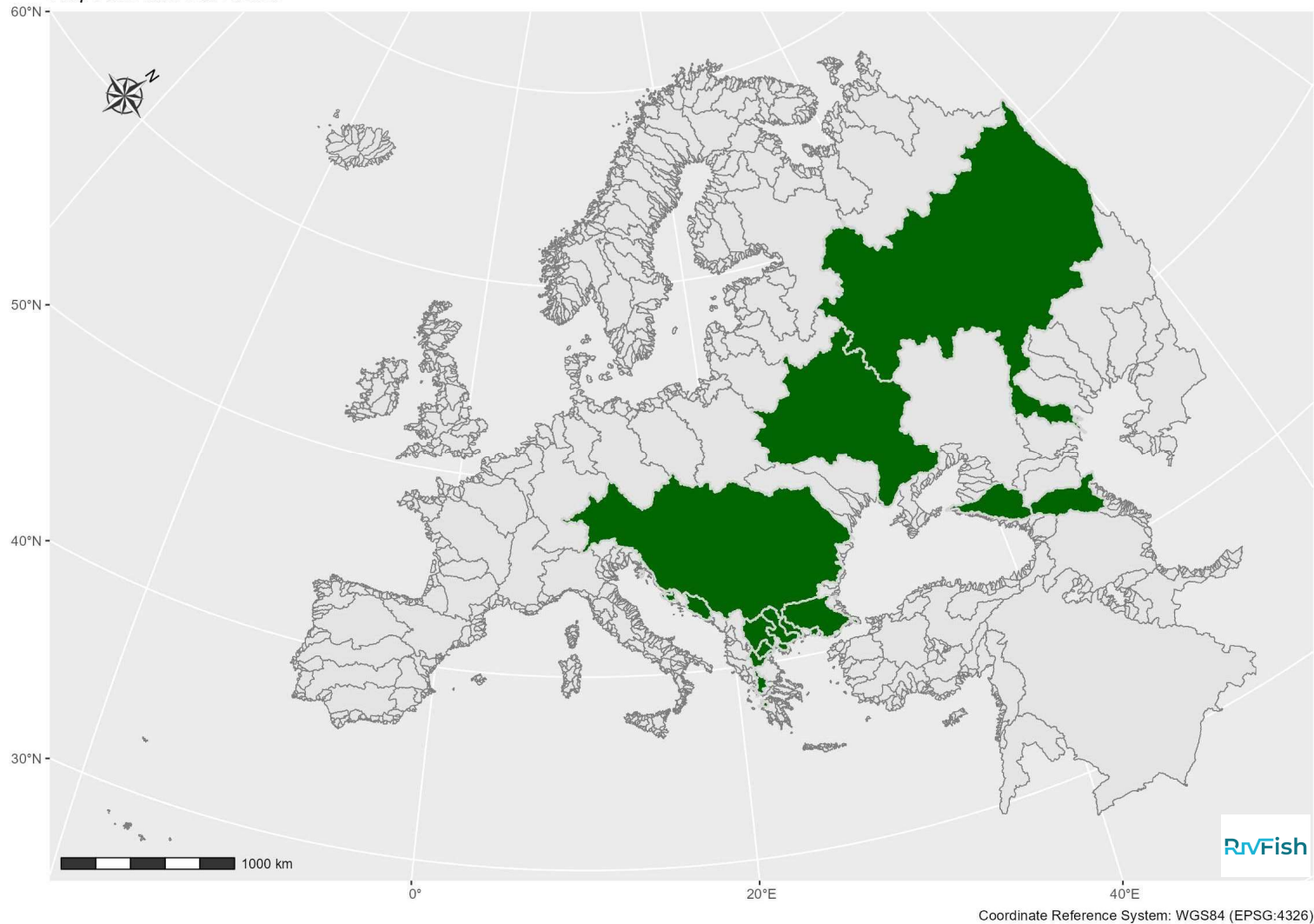
Iberochondrostoma oretanum



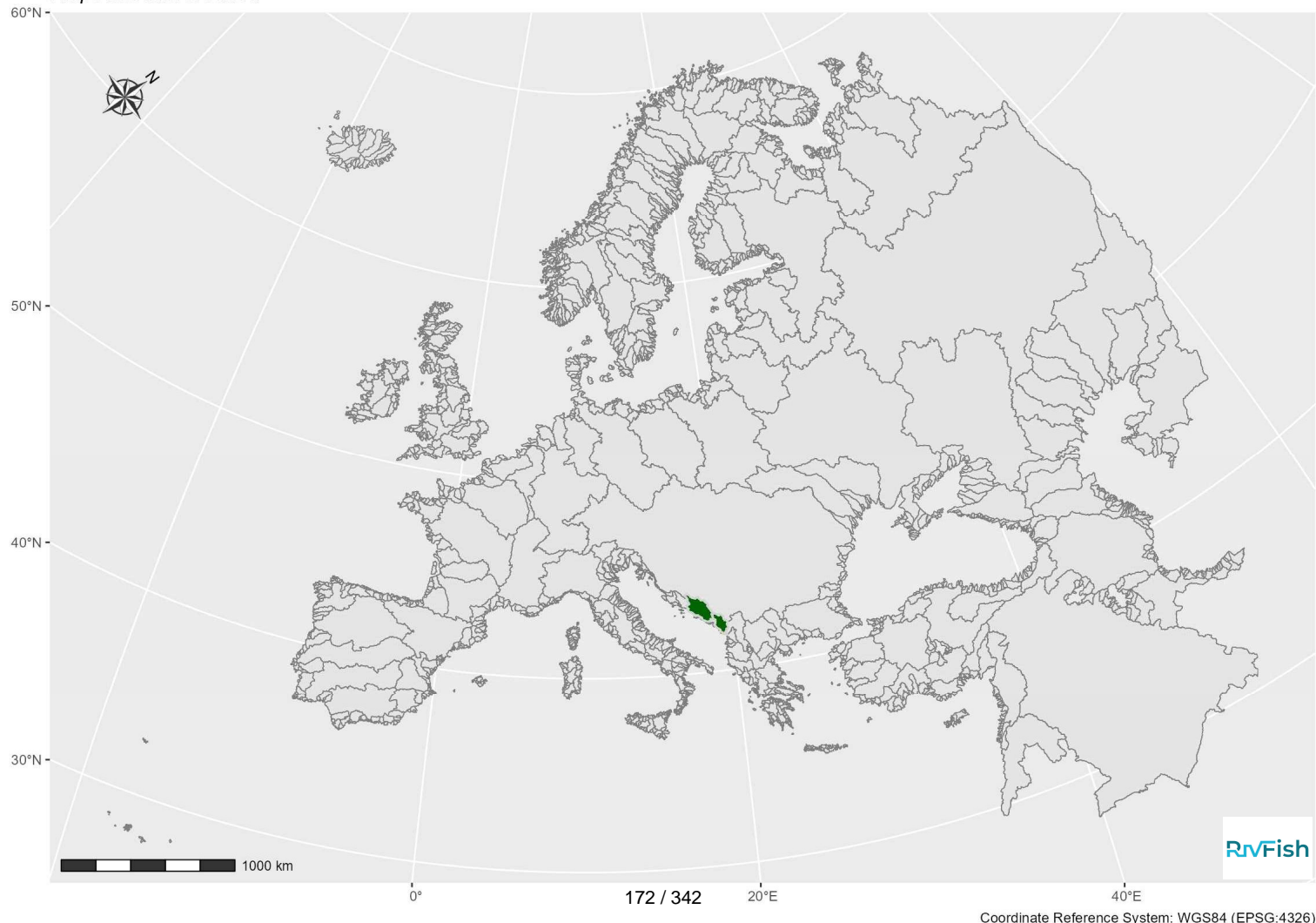
Knipowitschia cameliae



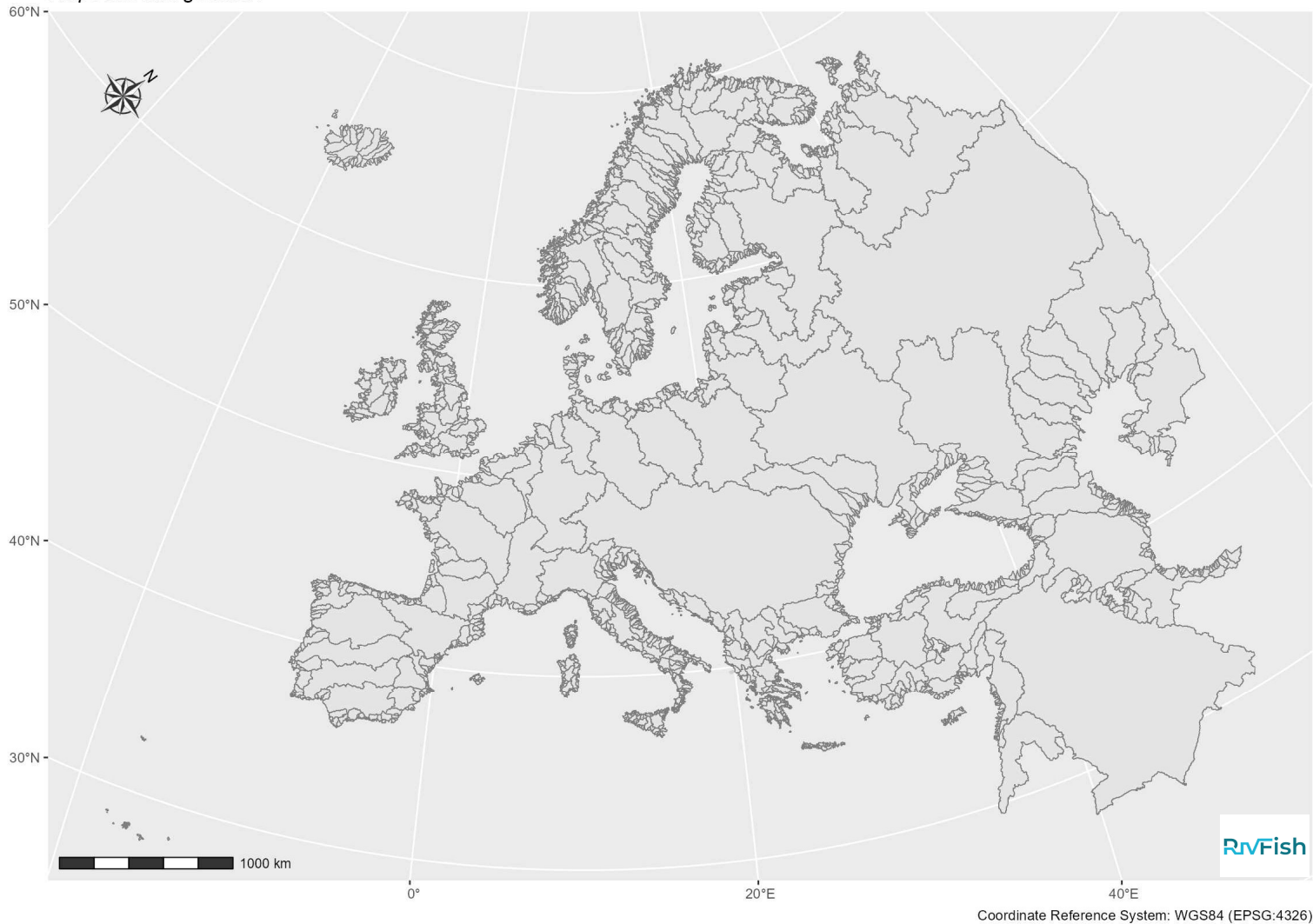
Knipowitschia caucasica



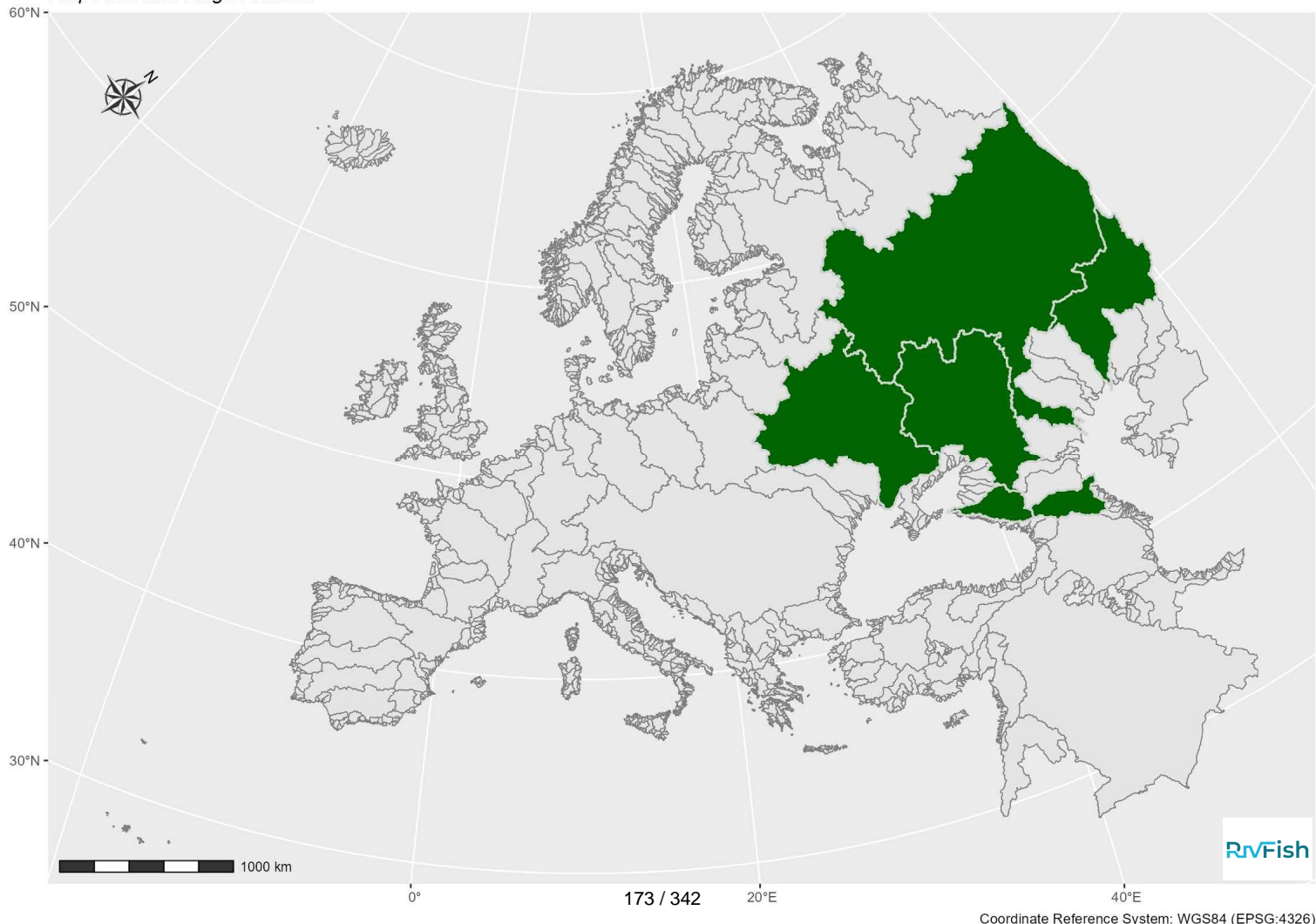
Knipowitschia croatica



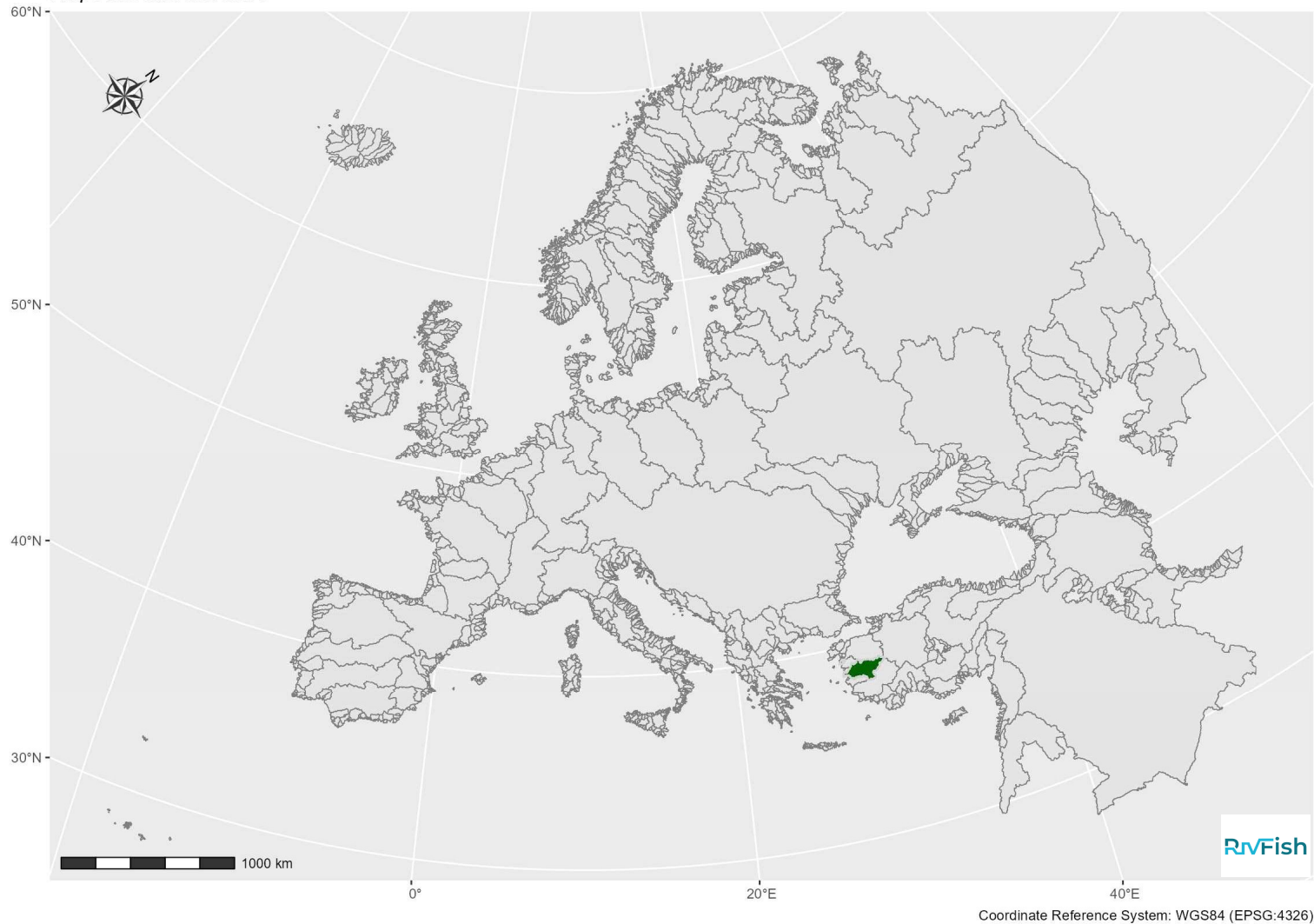
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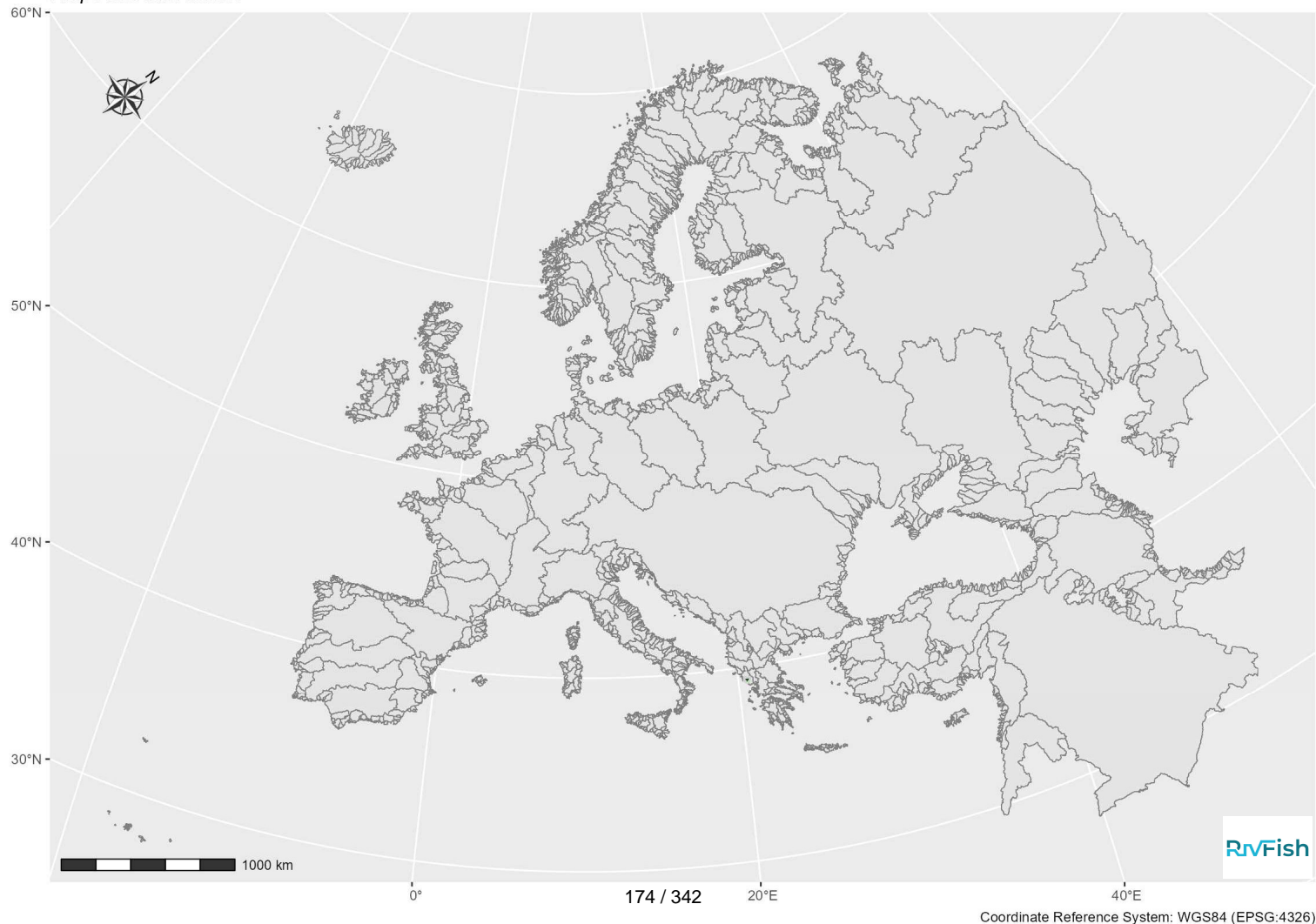
Knipowitschia longicaudata



Knipowitschia mermere



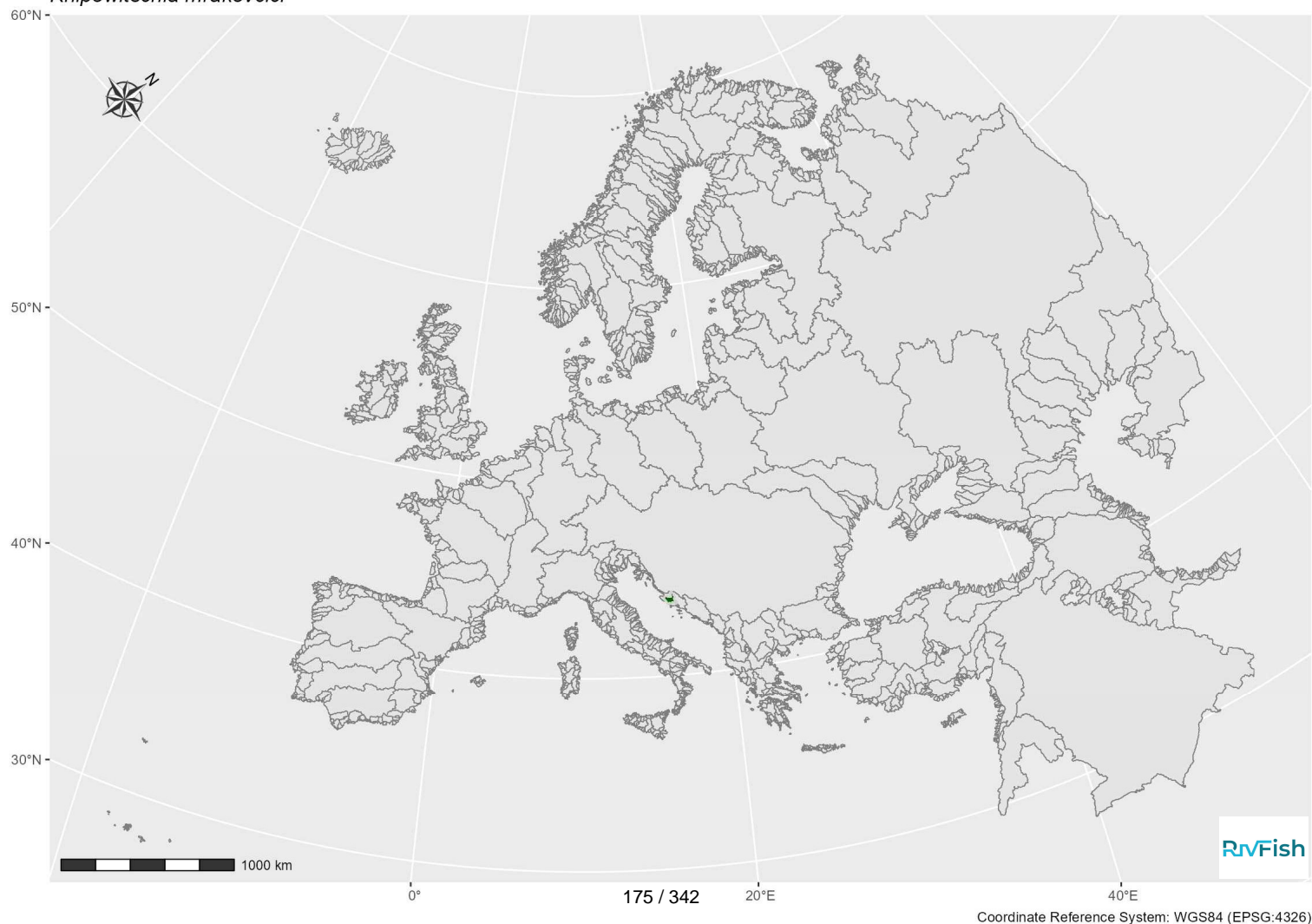
Knipowitschia milleri



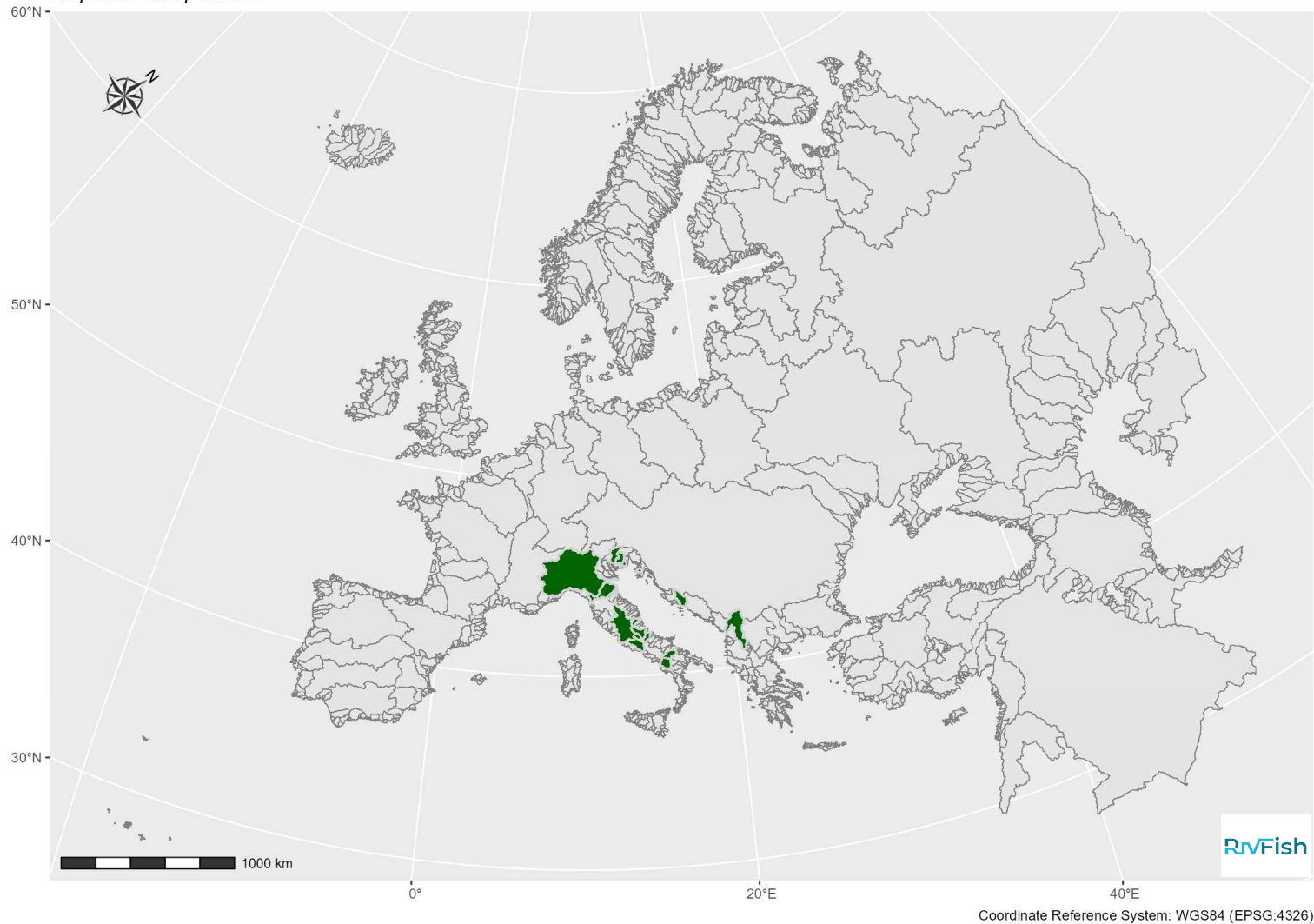
Knipowitschia montenegrina



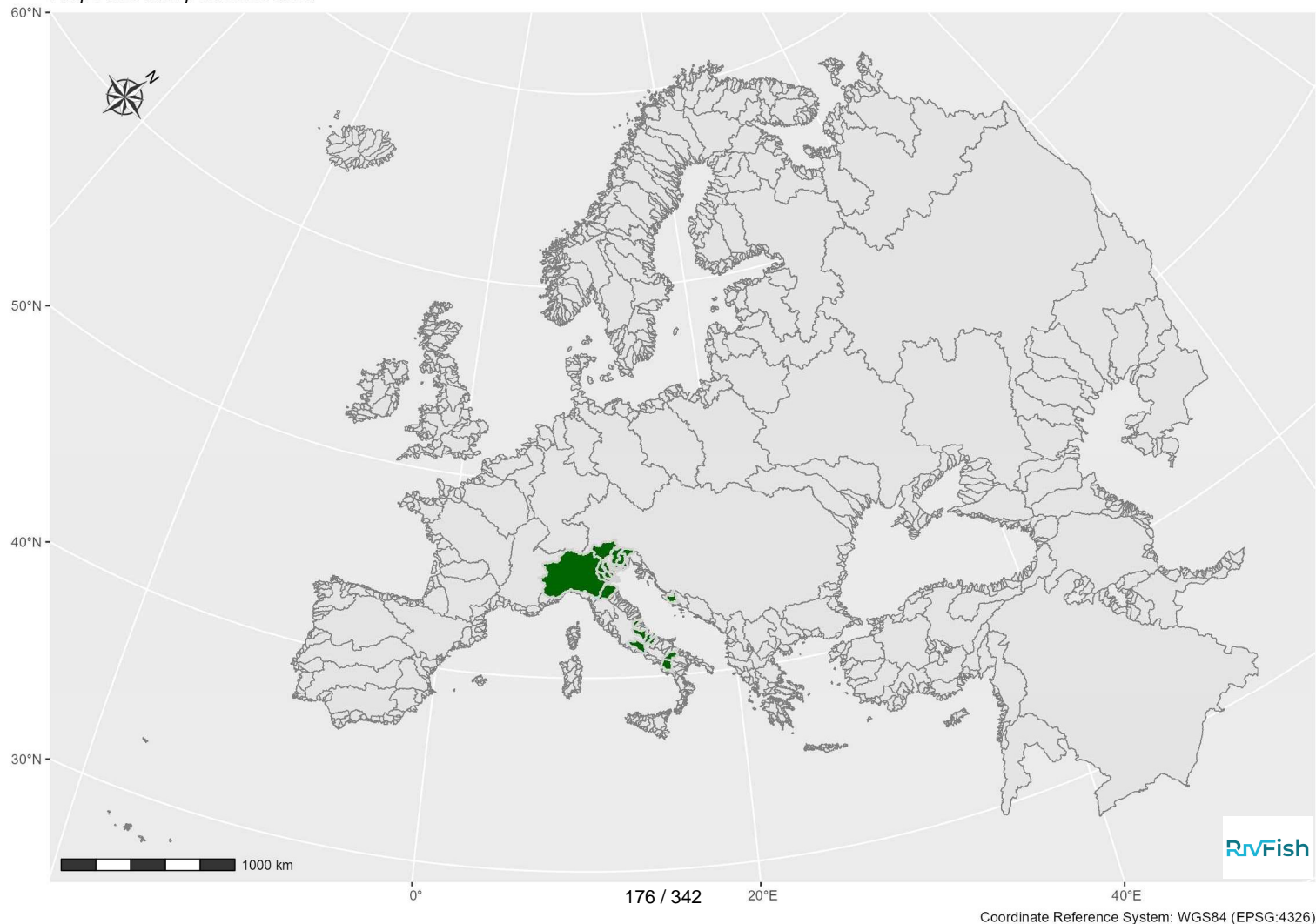
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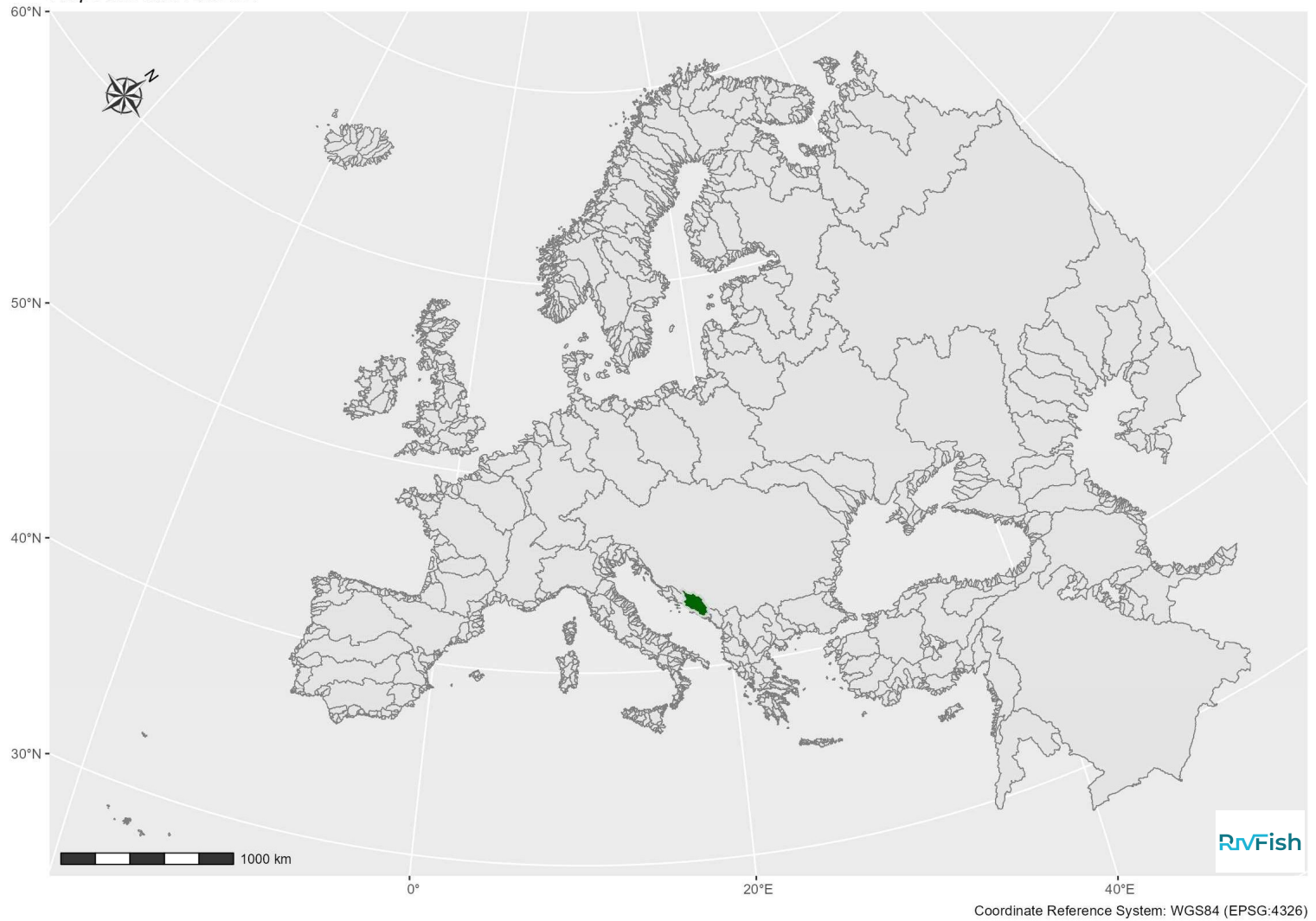
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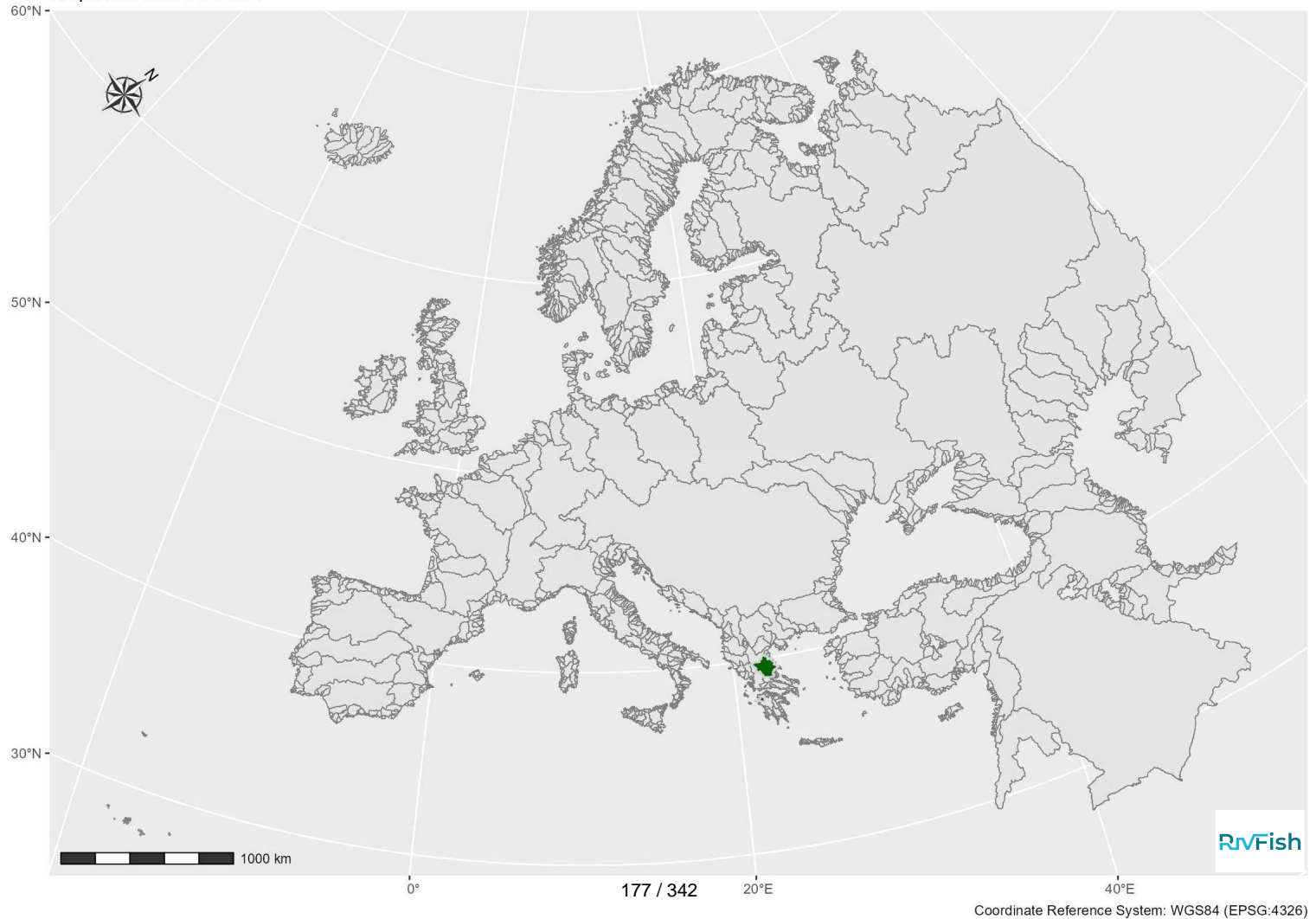
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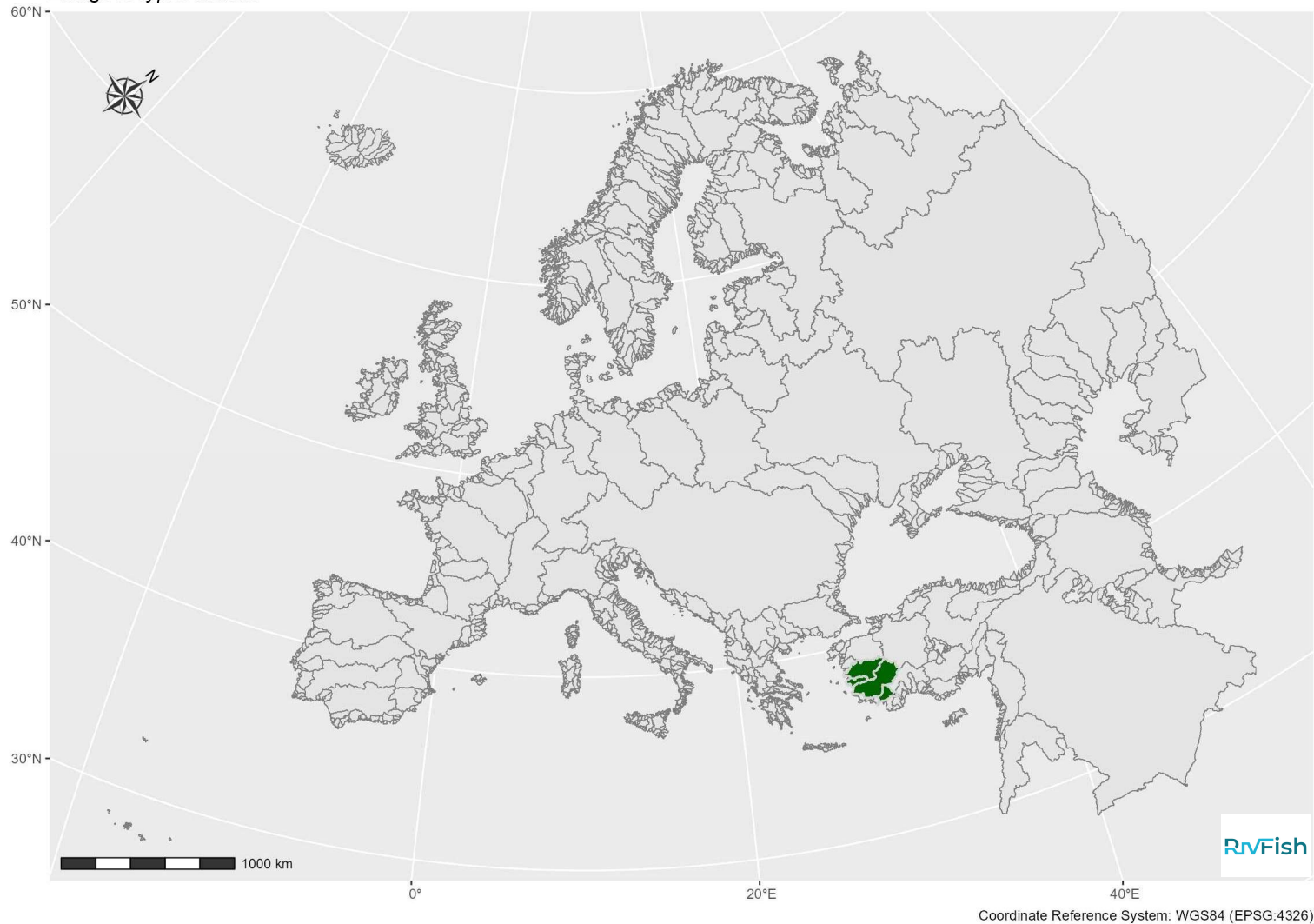
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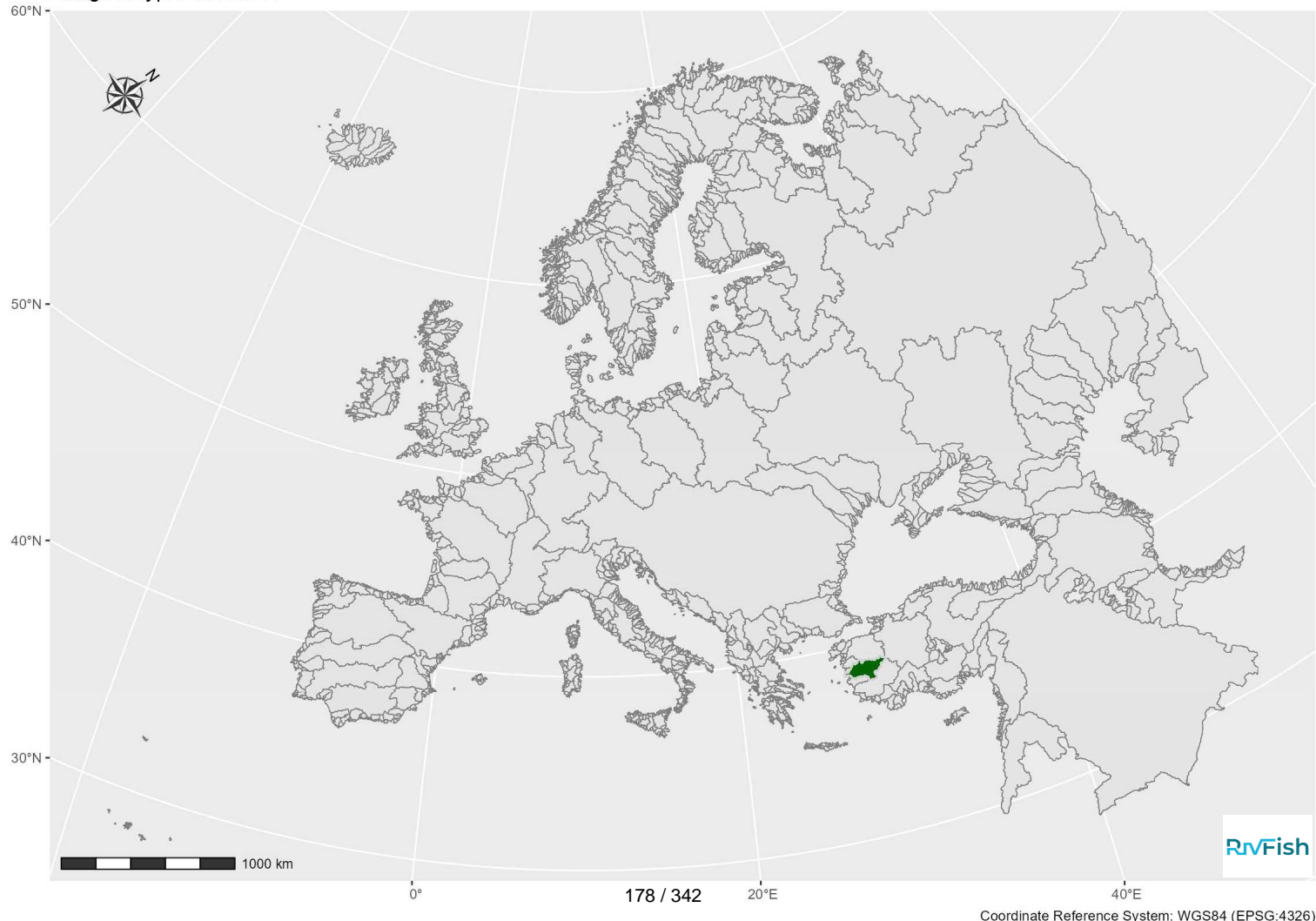
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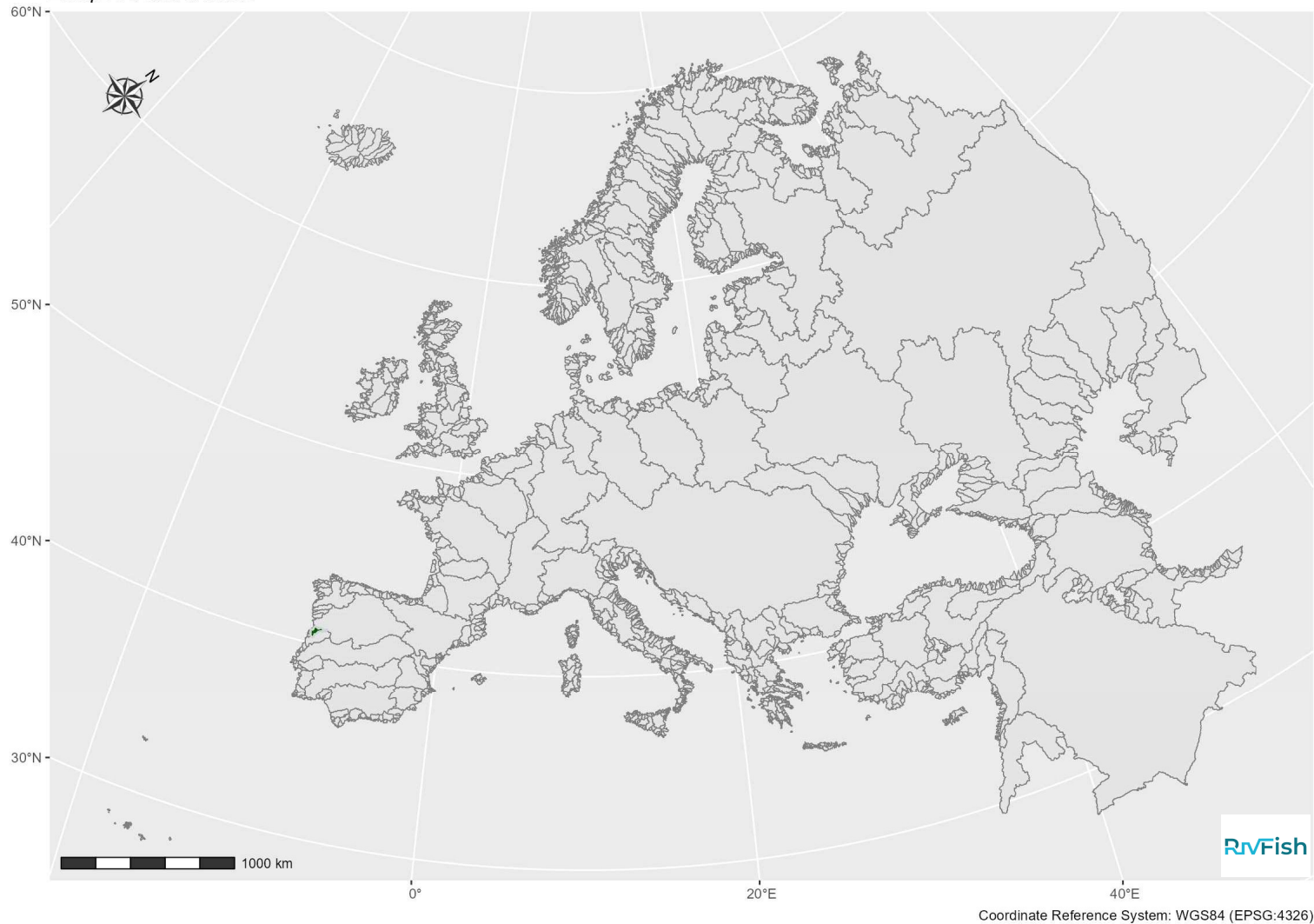
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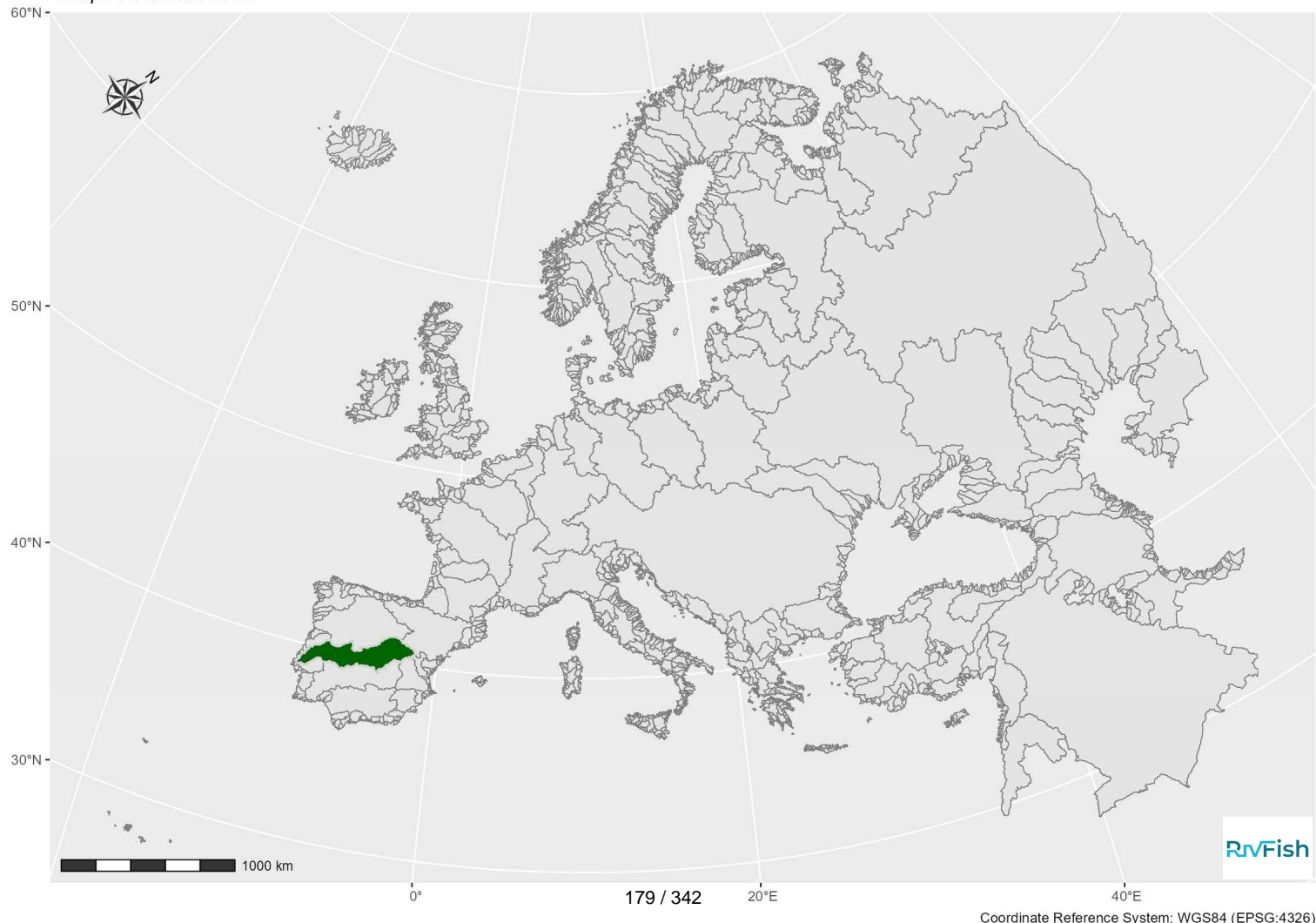
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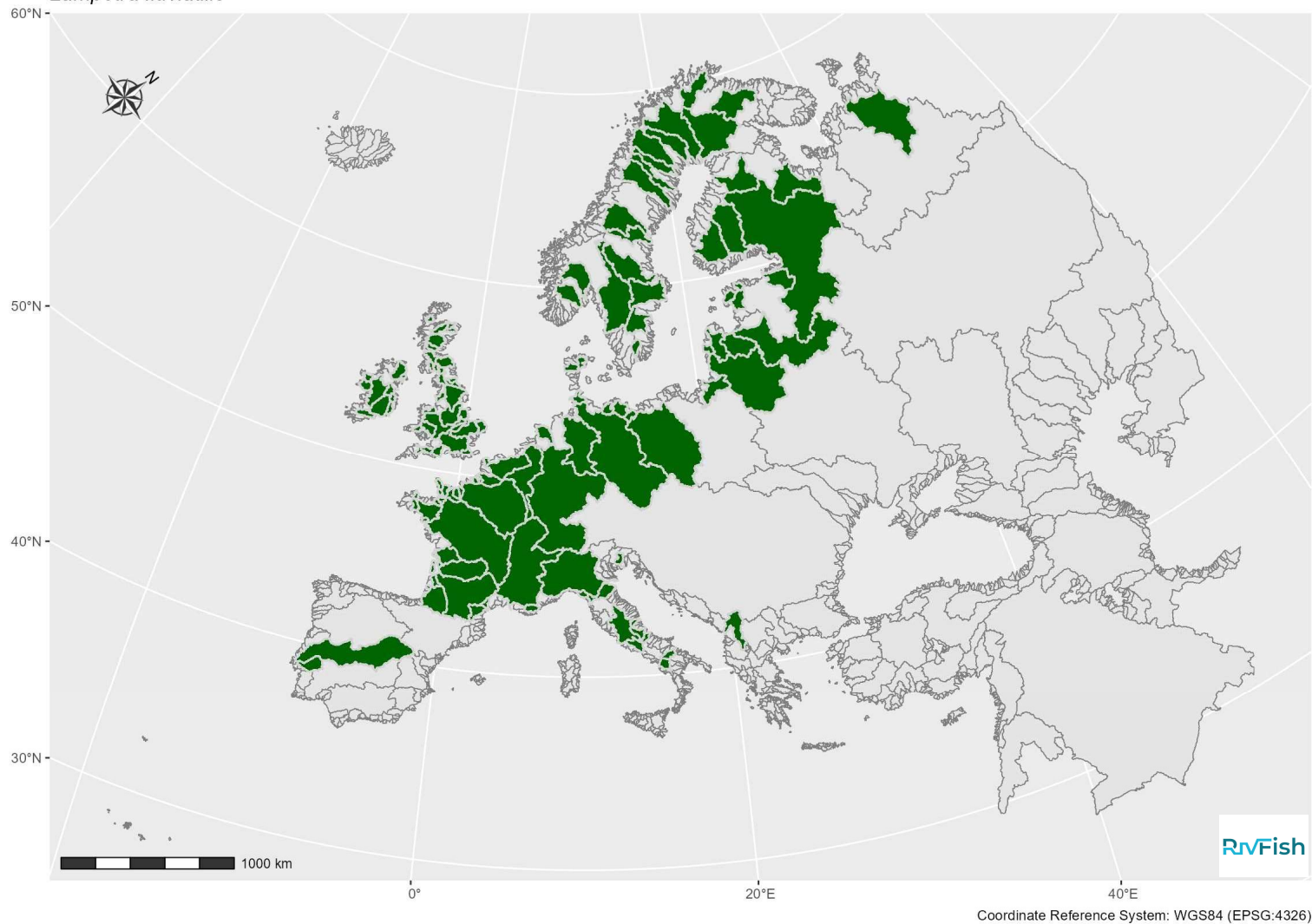
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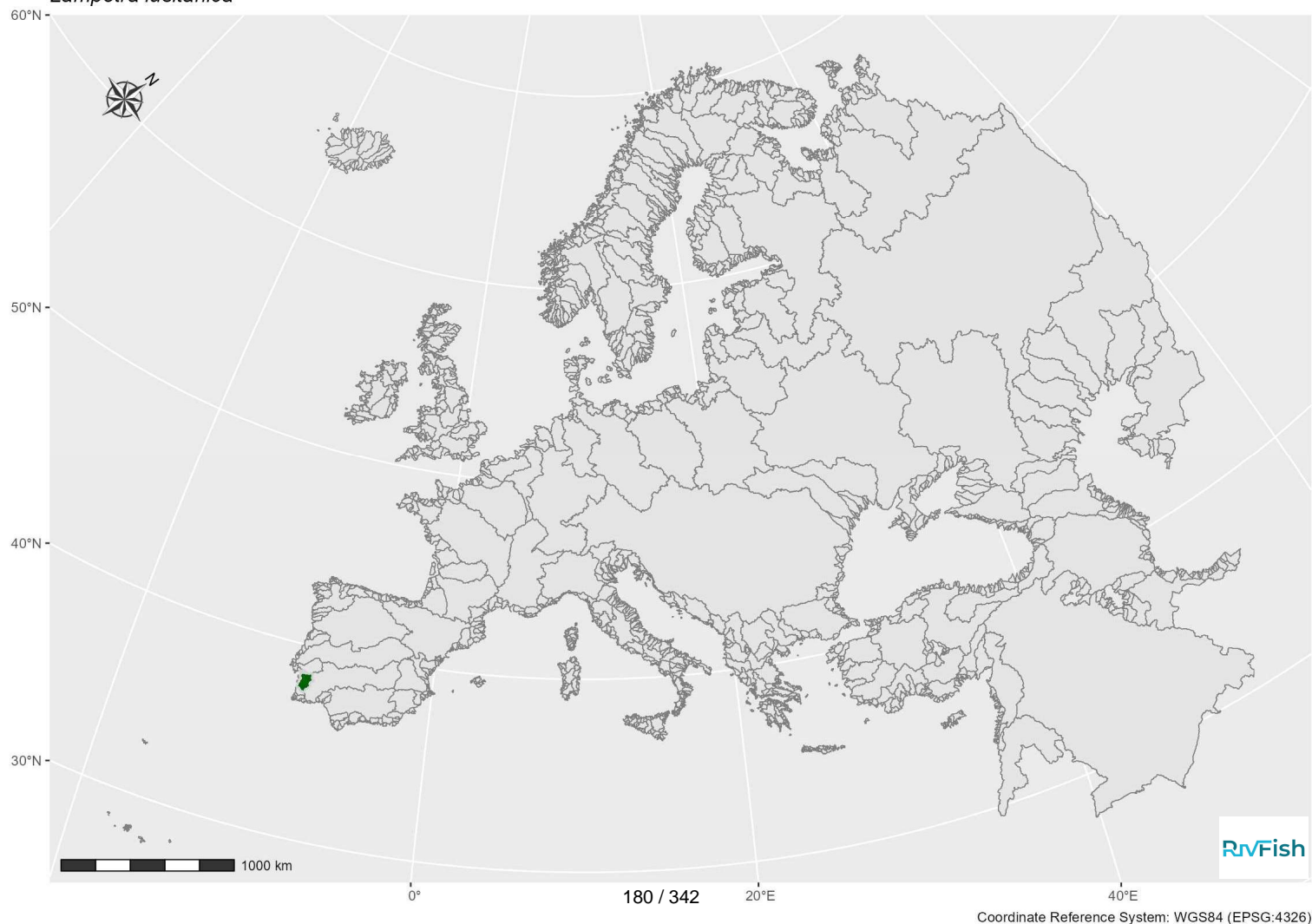
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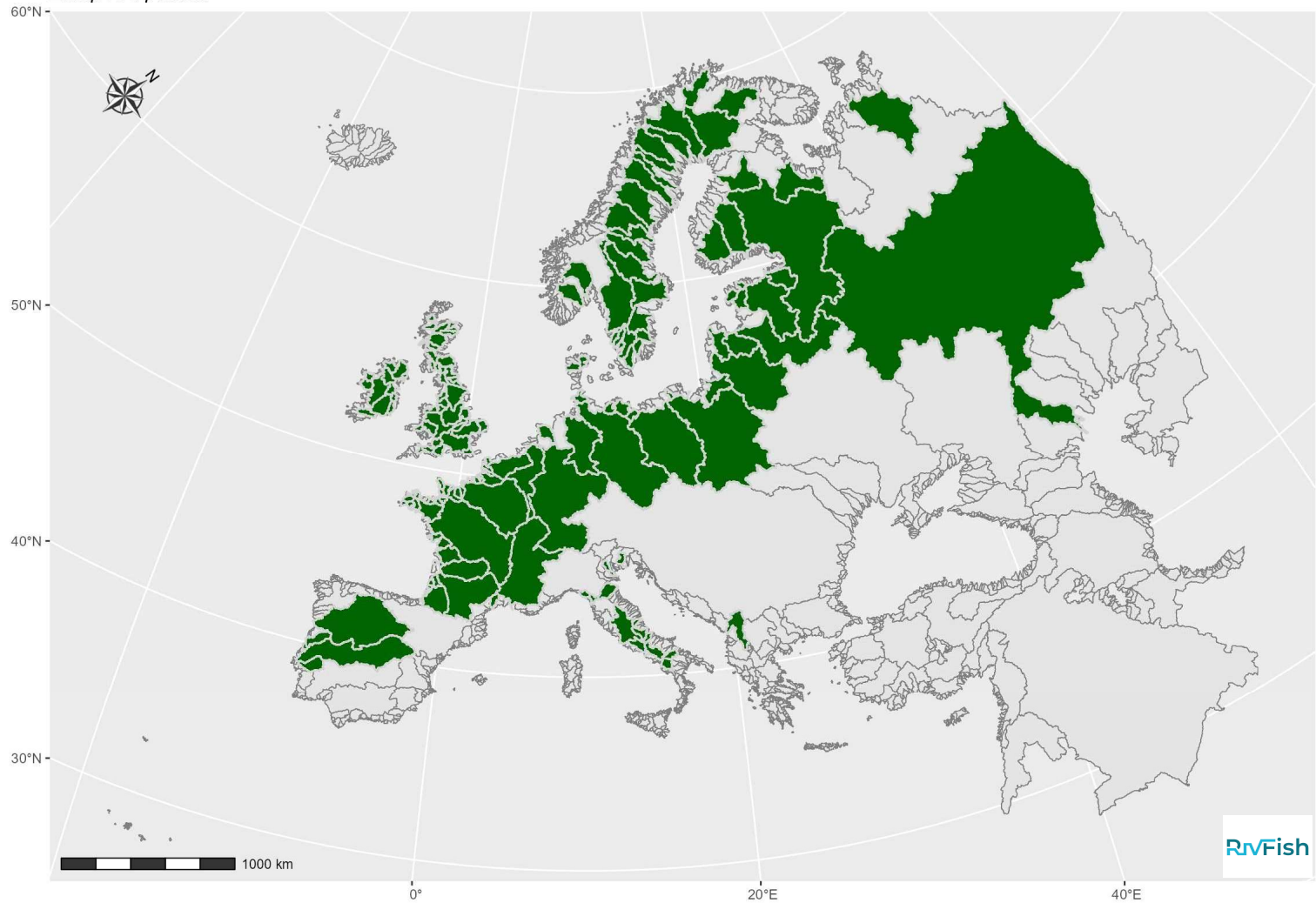
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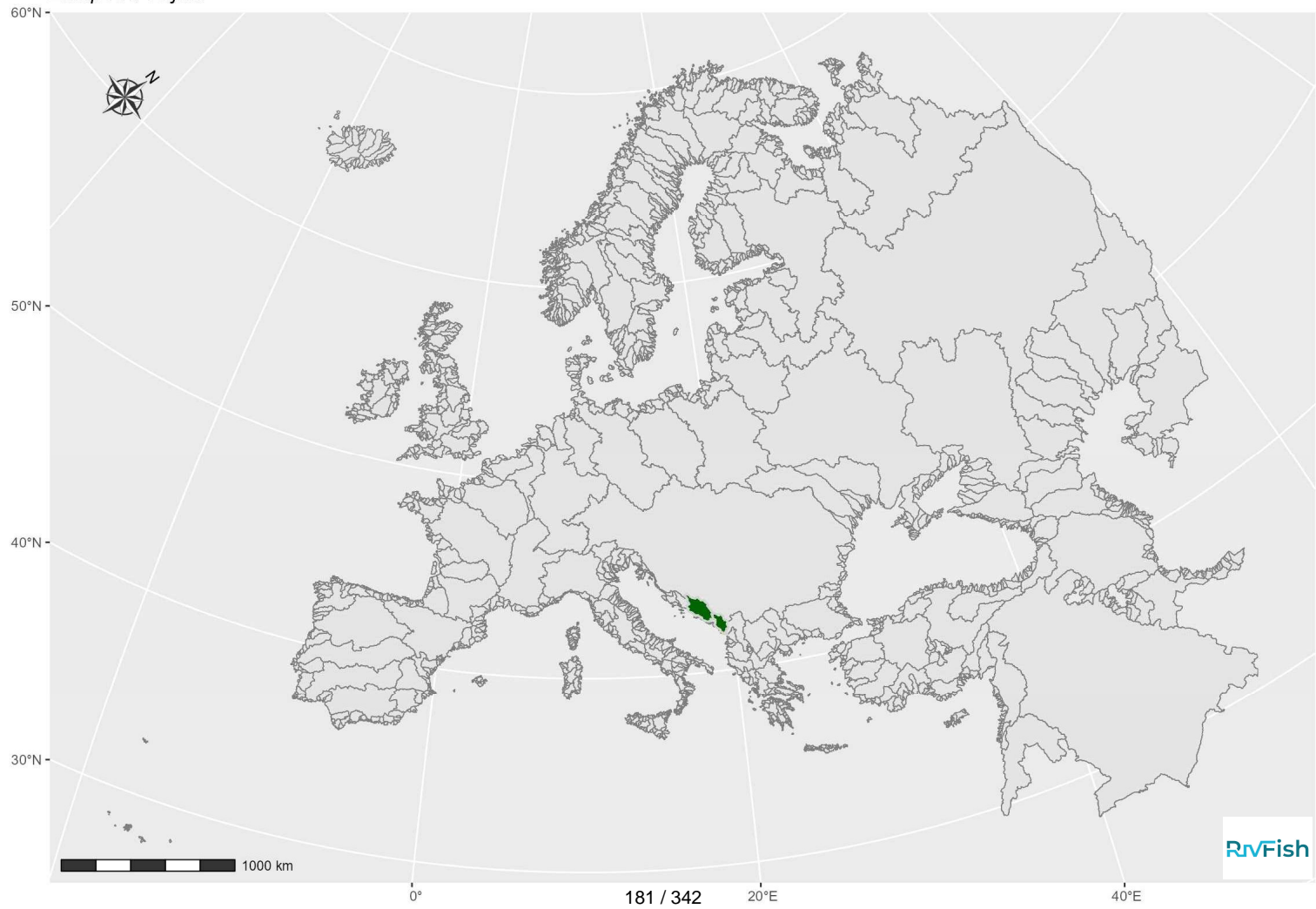
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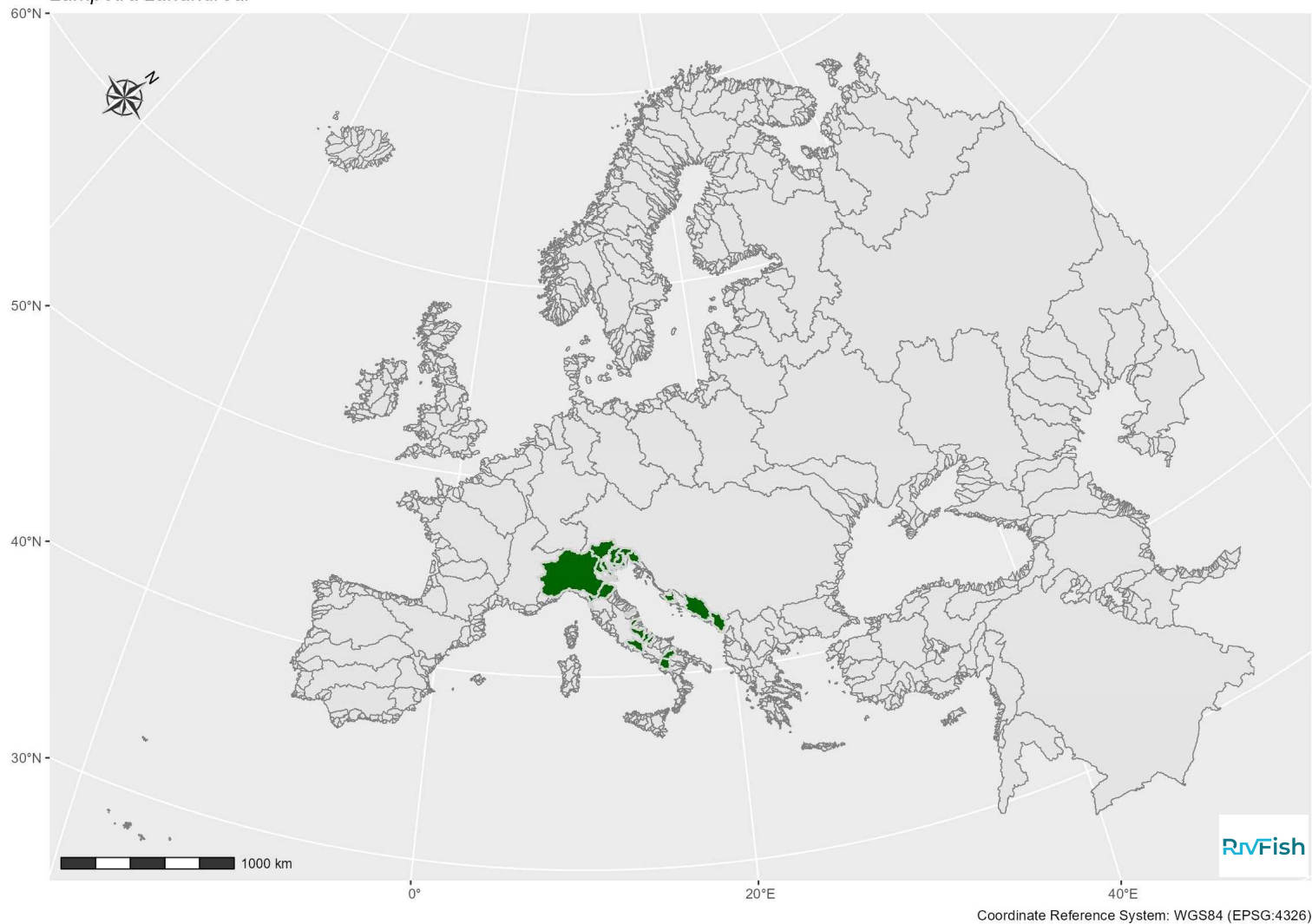
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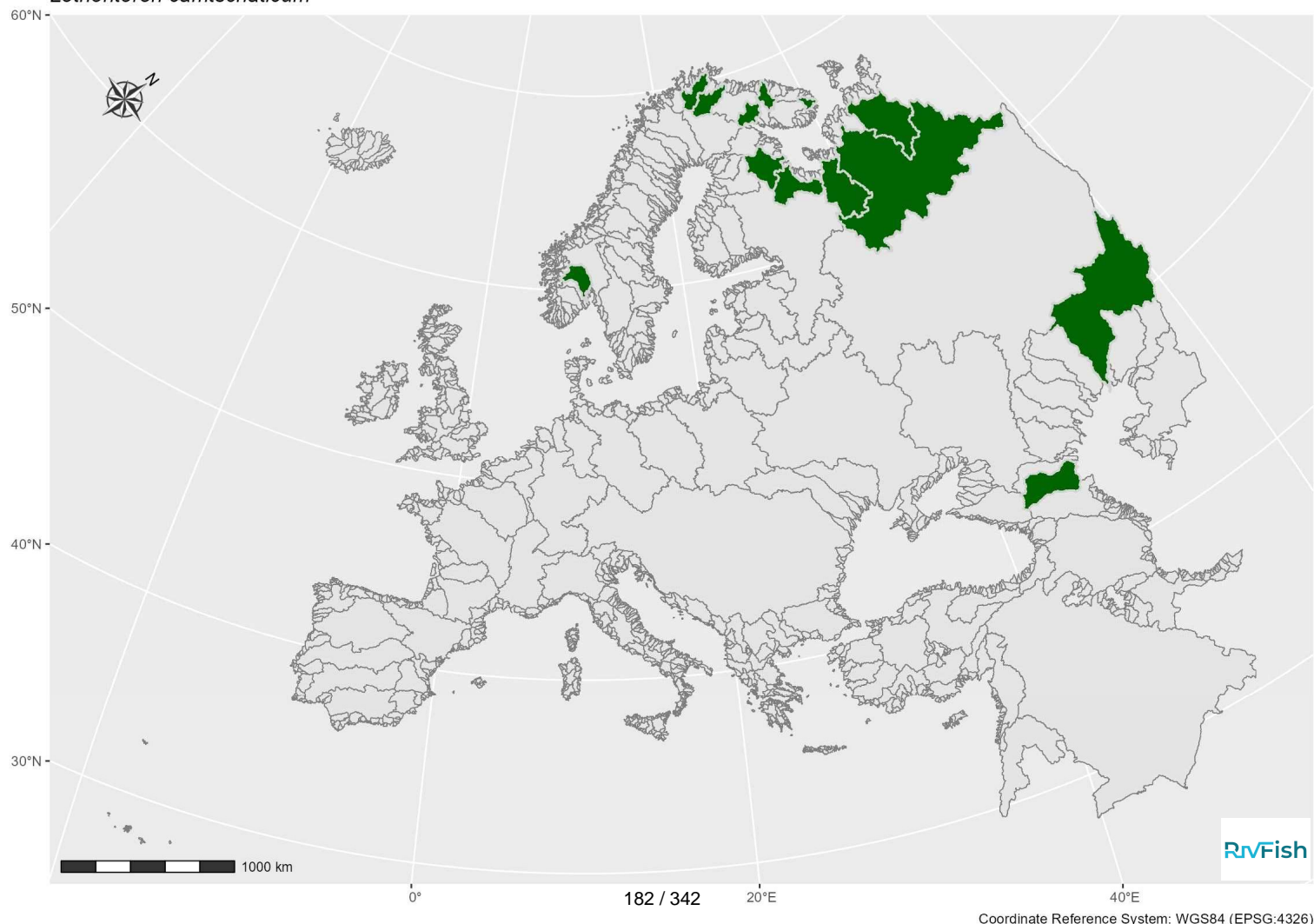
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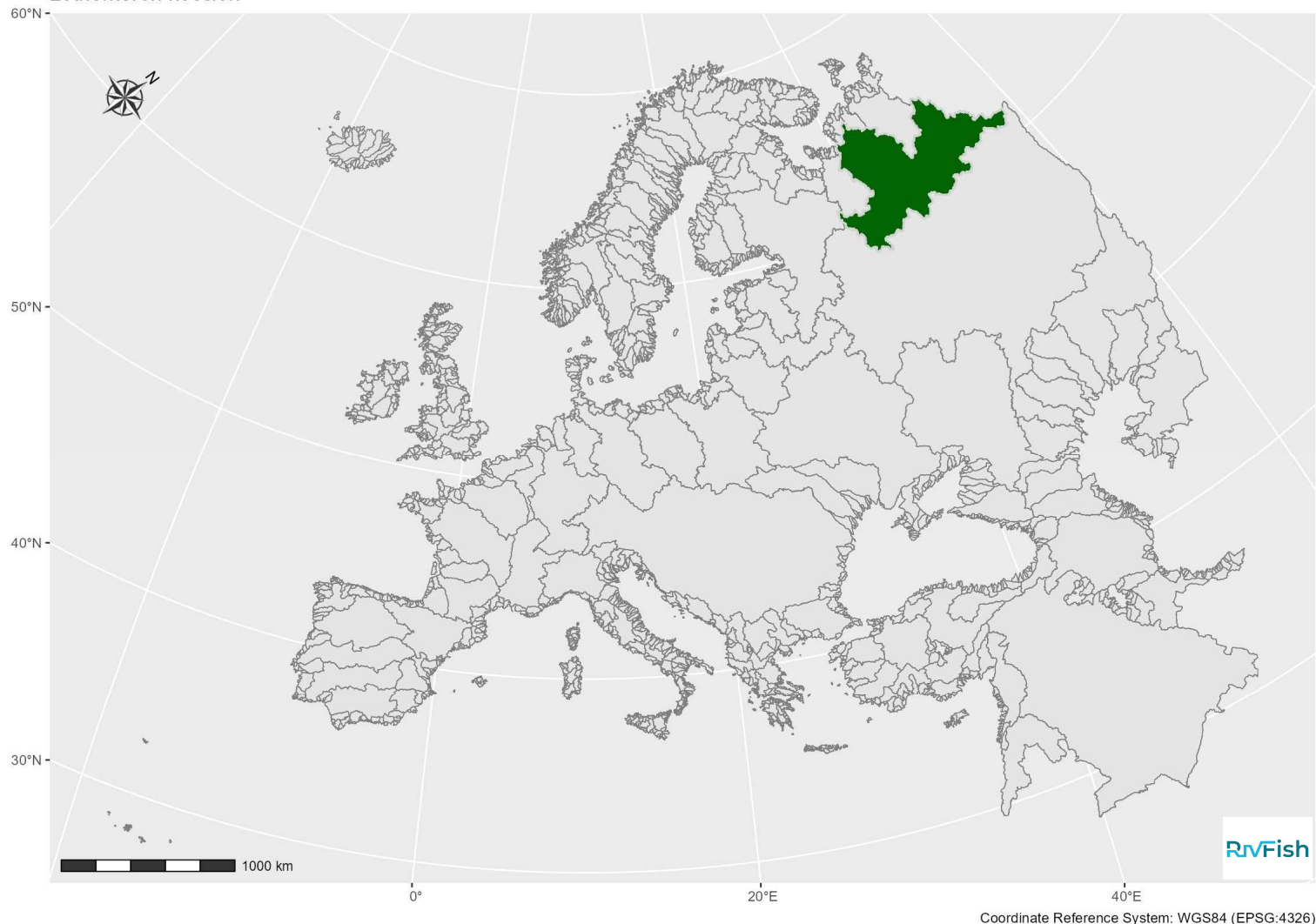
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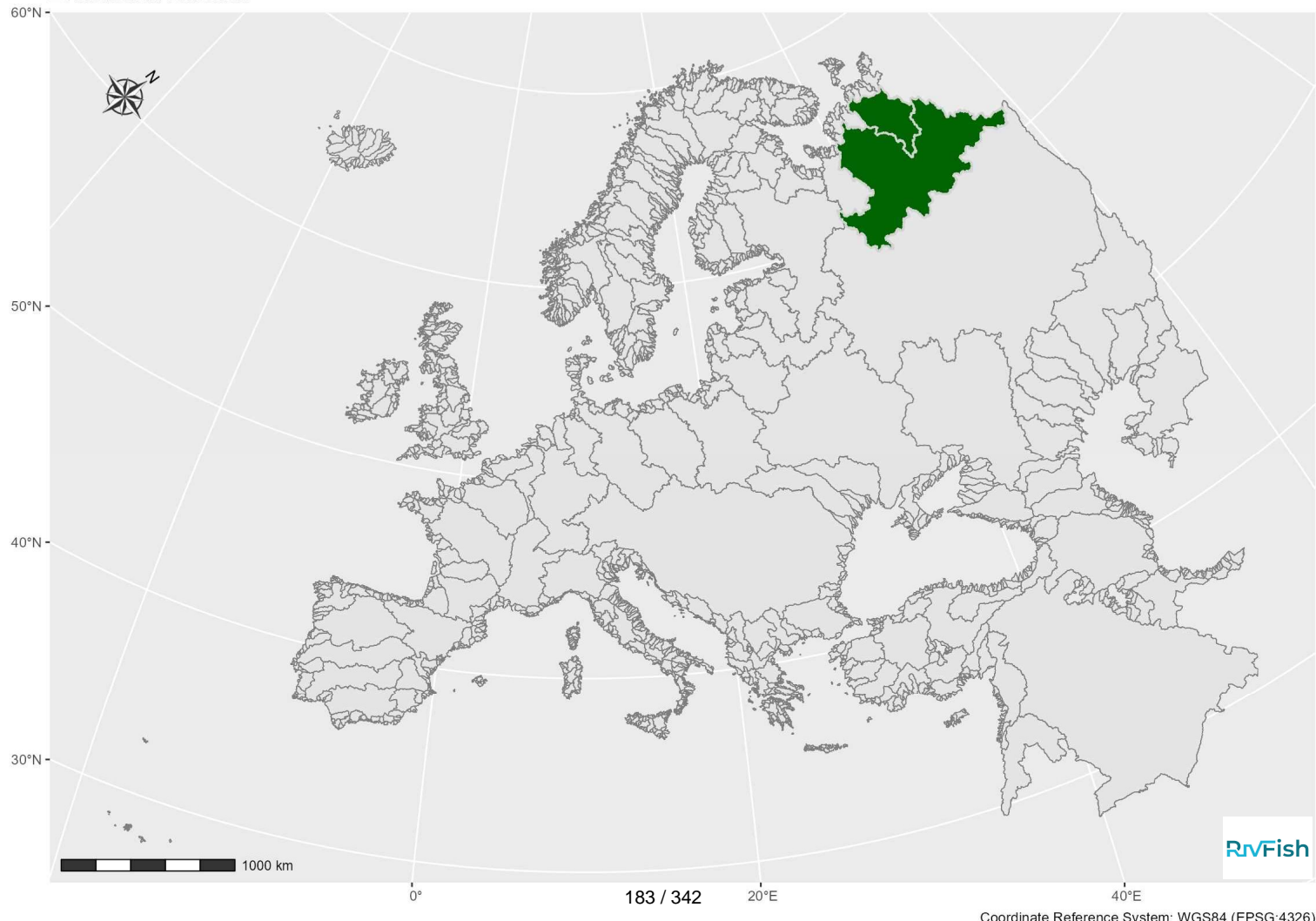
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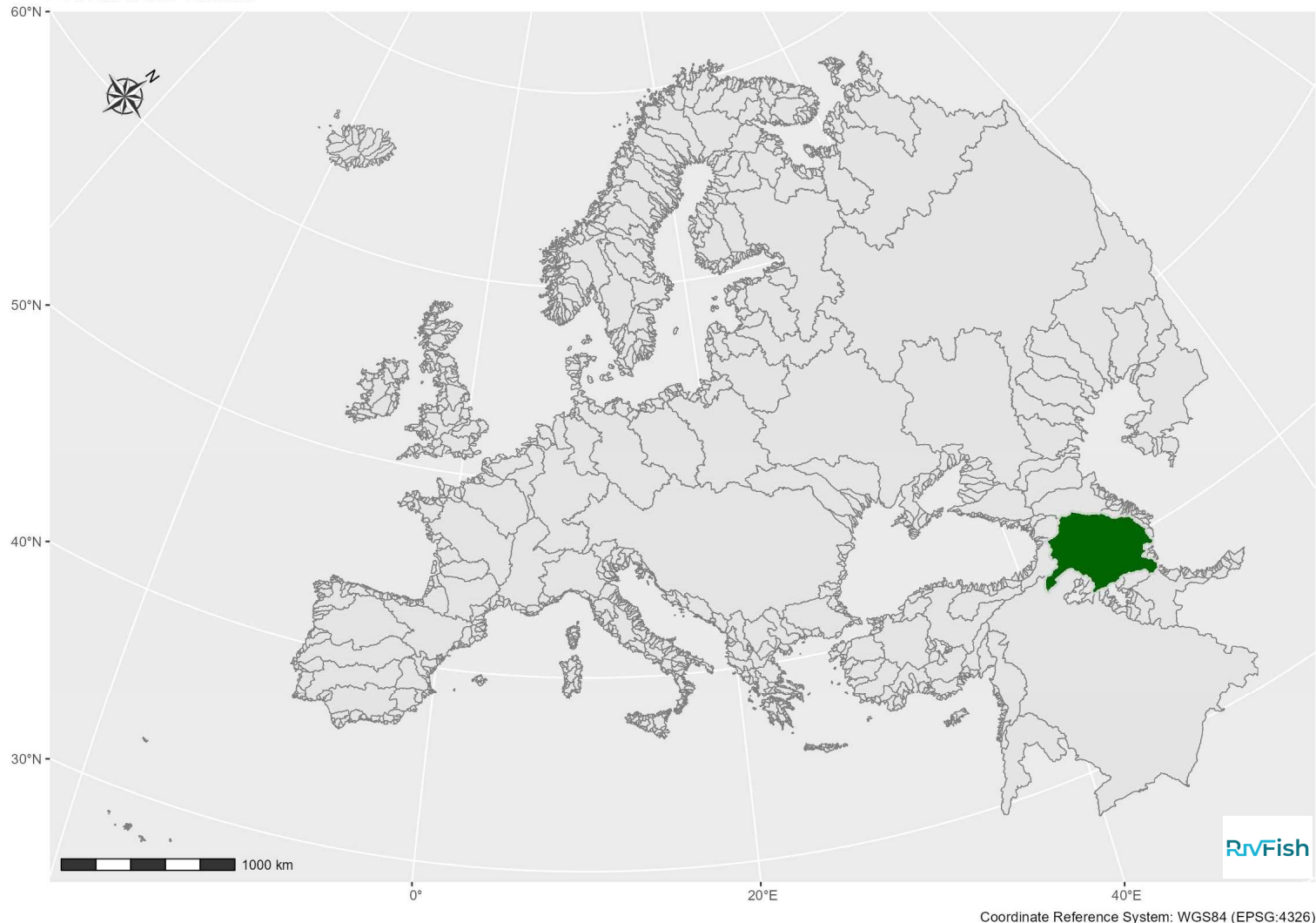
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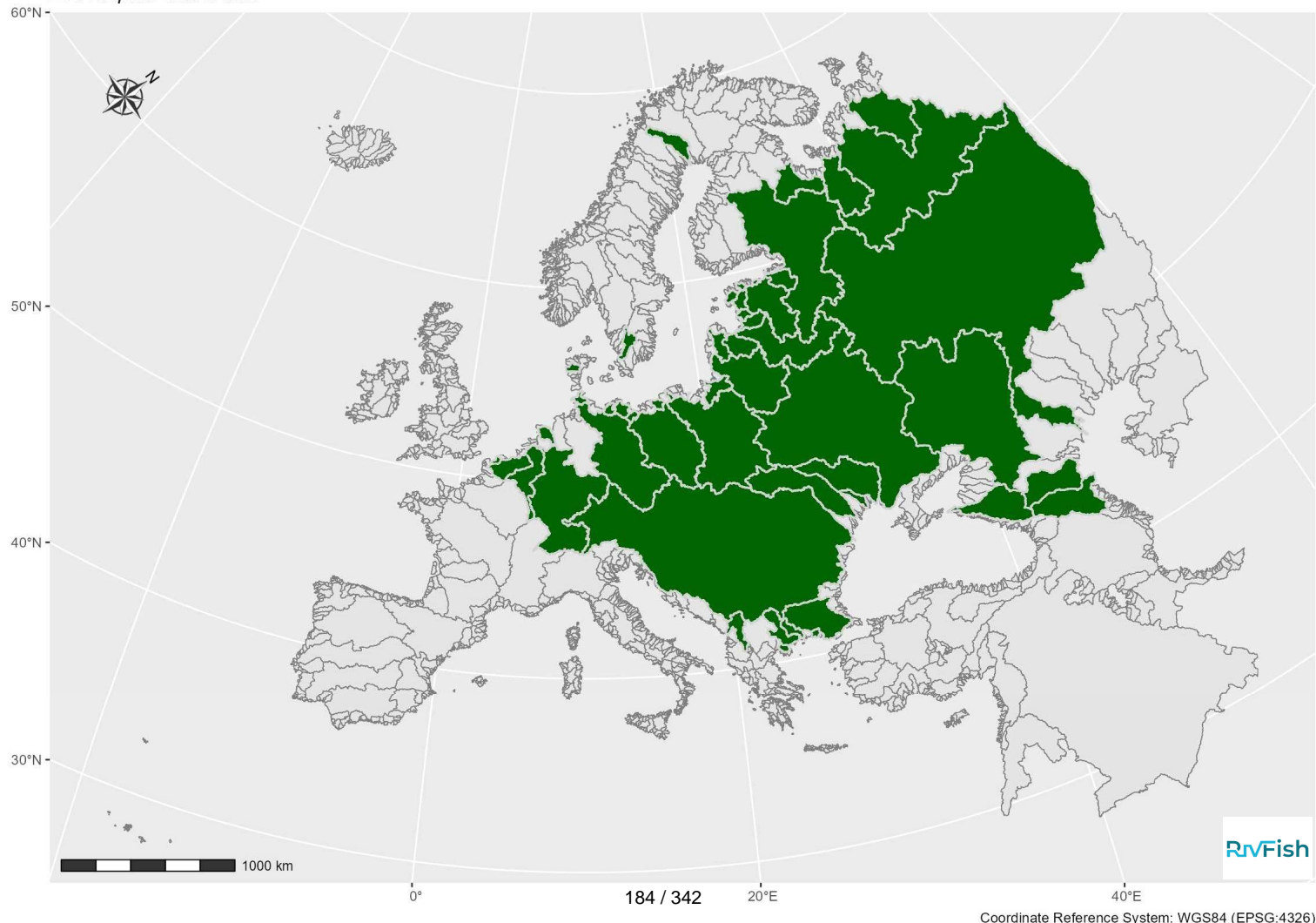
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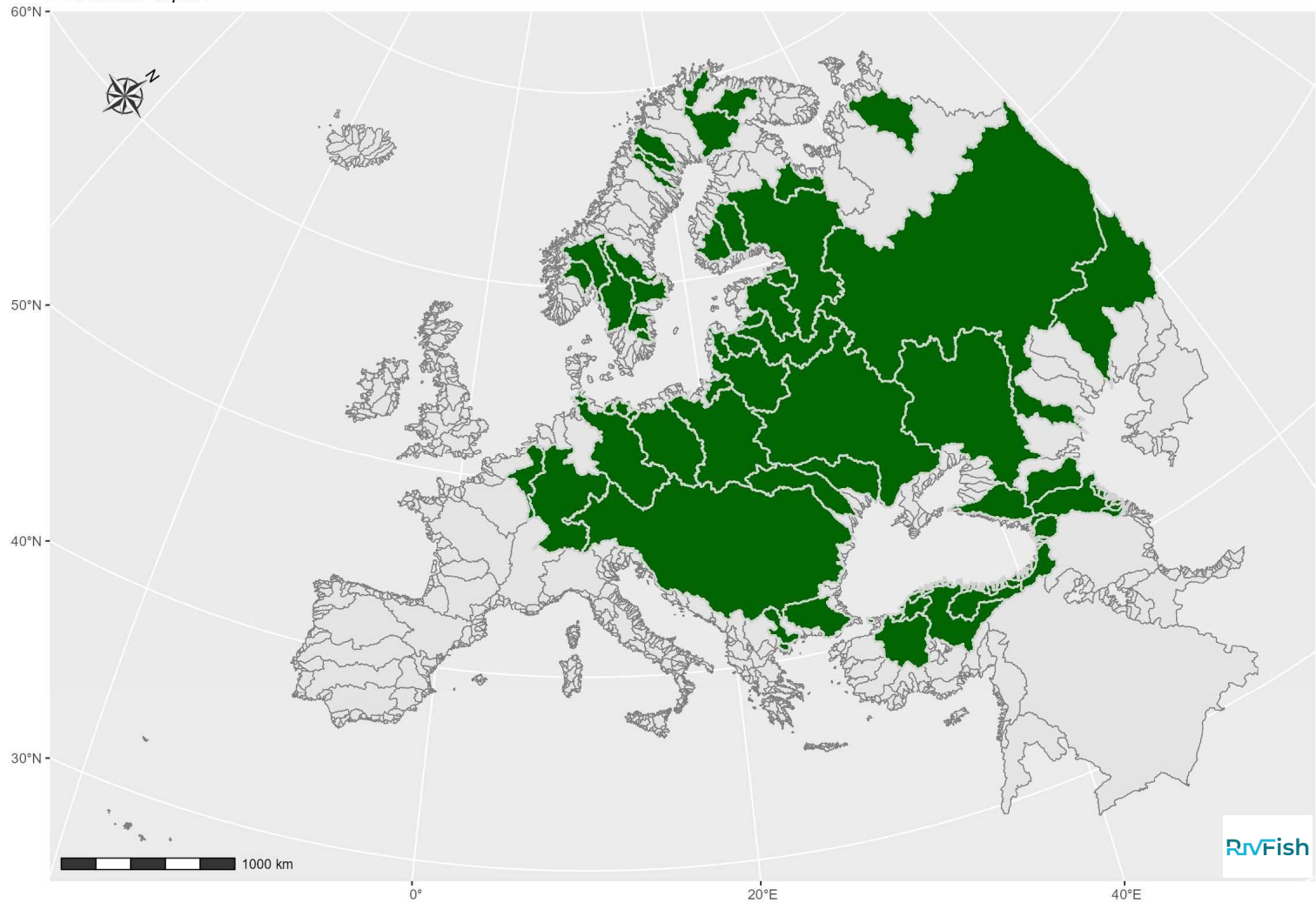
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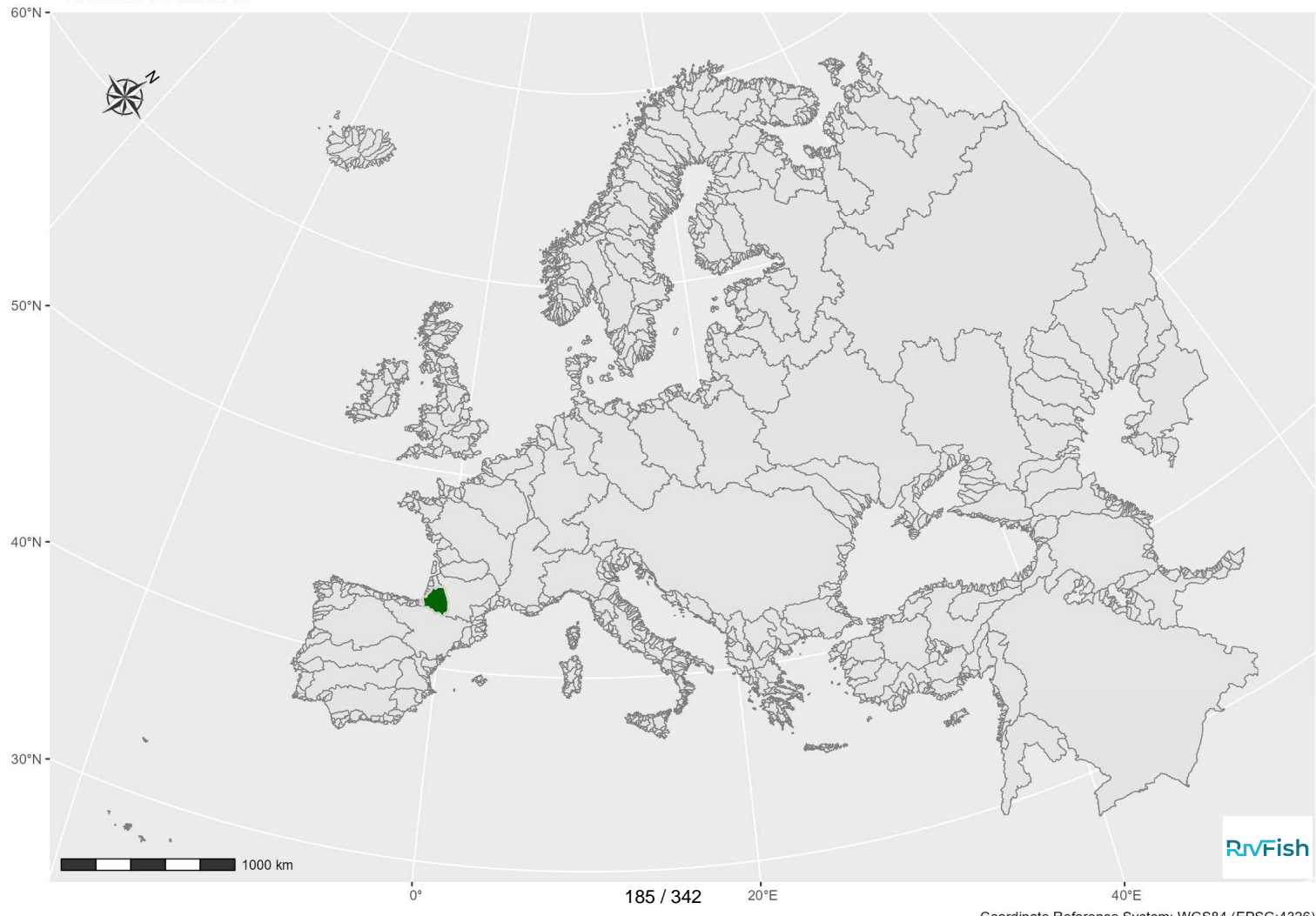
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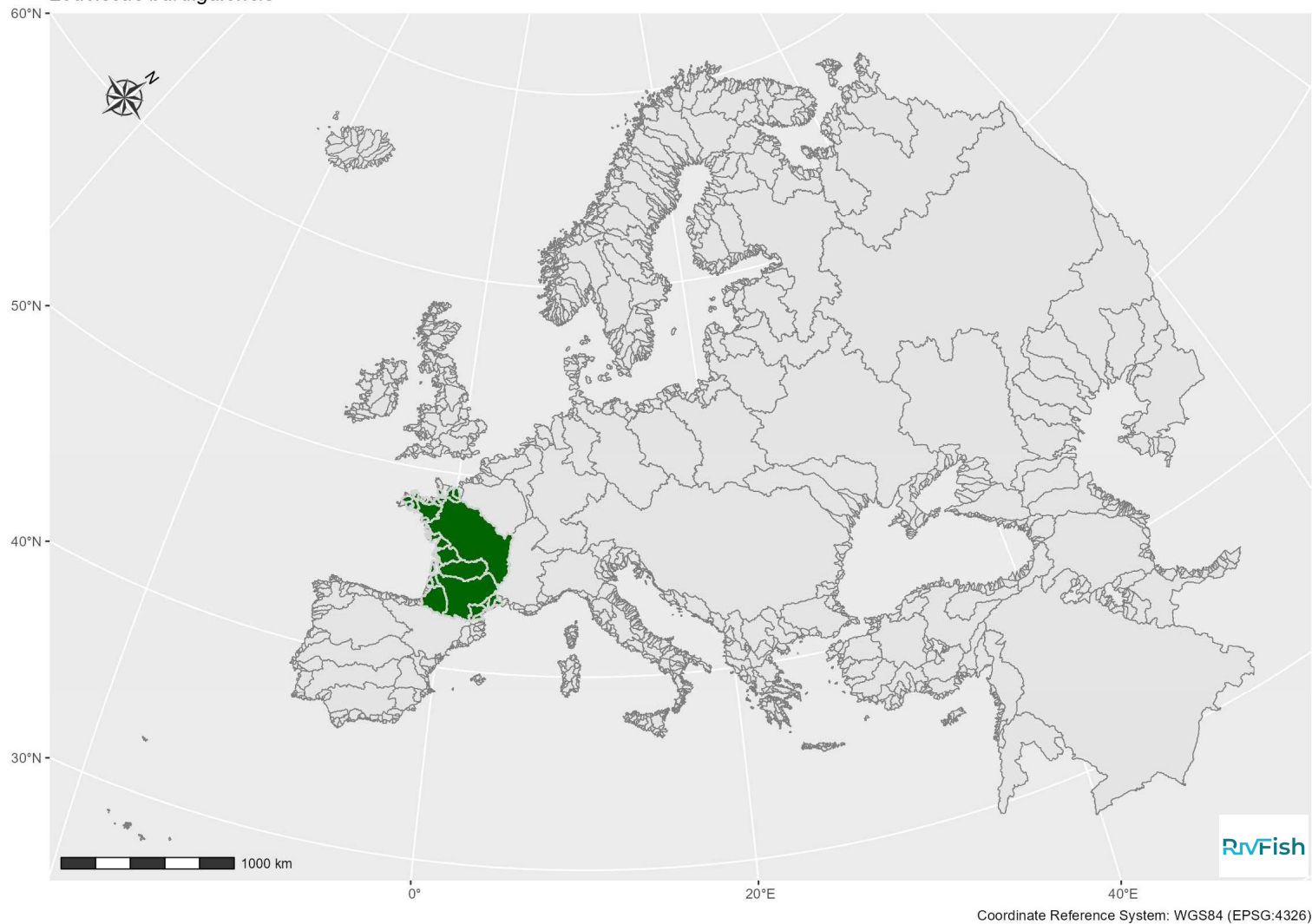
Leuciscus aspius



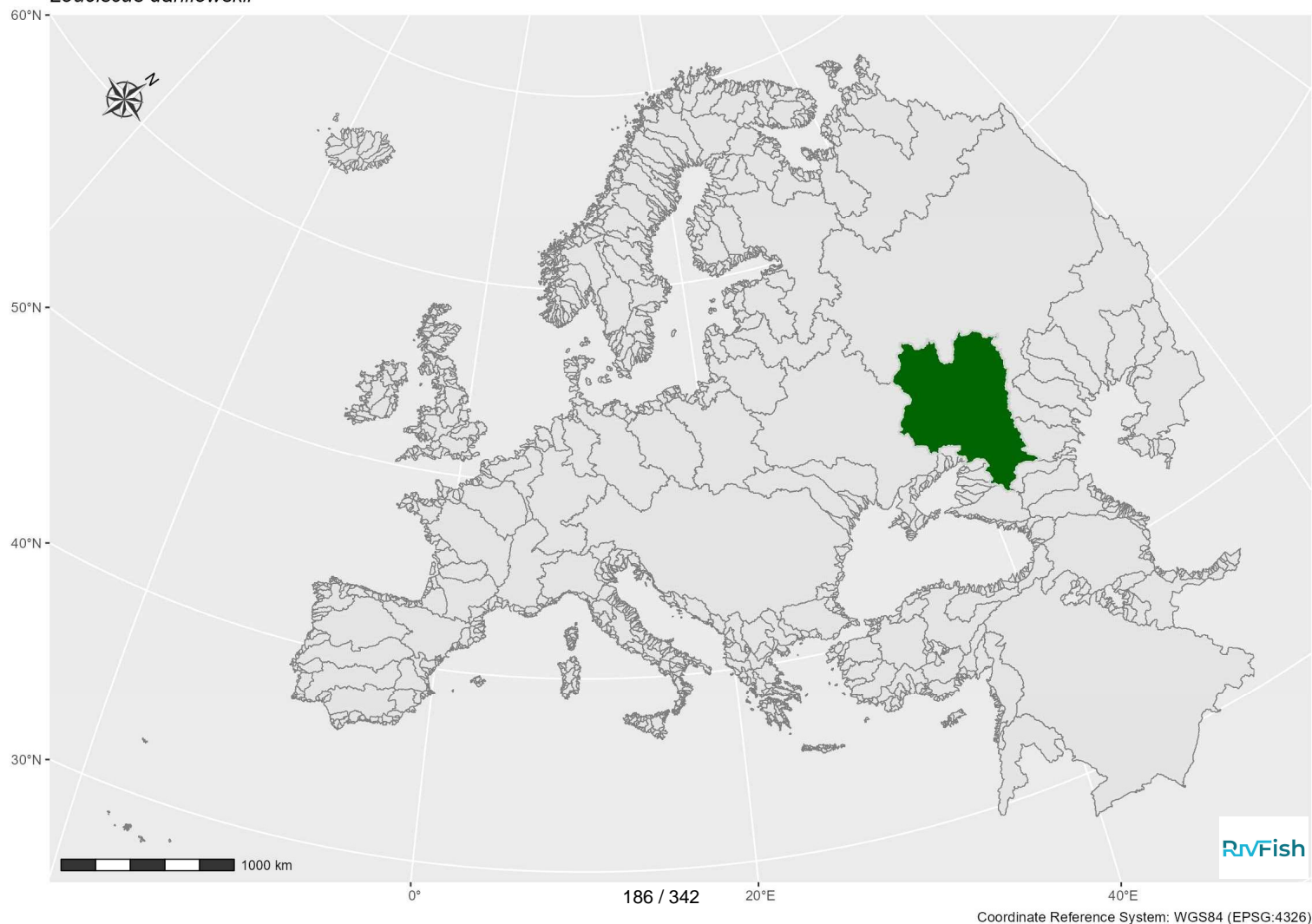
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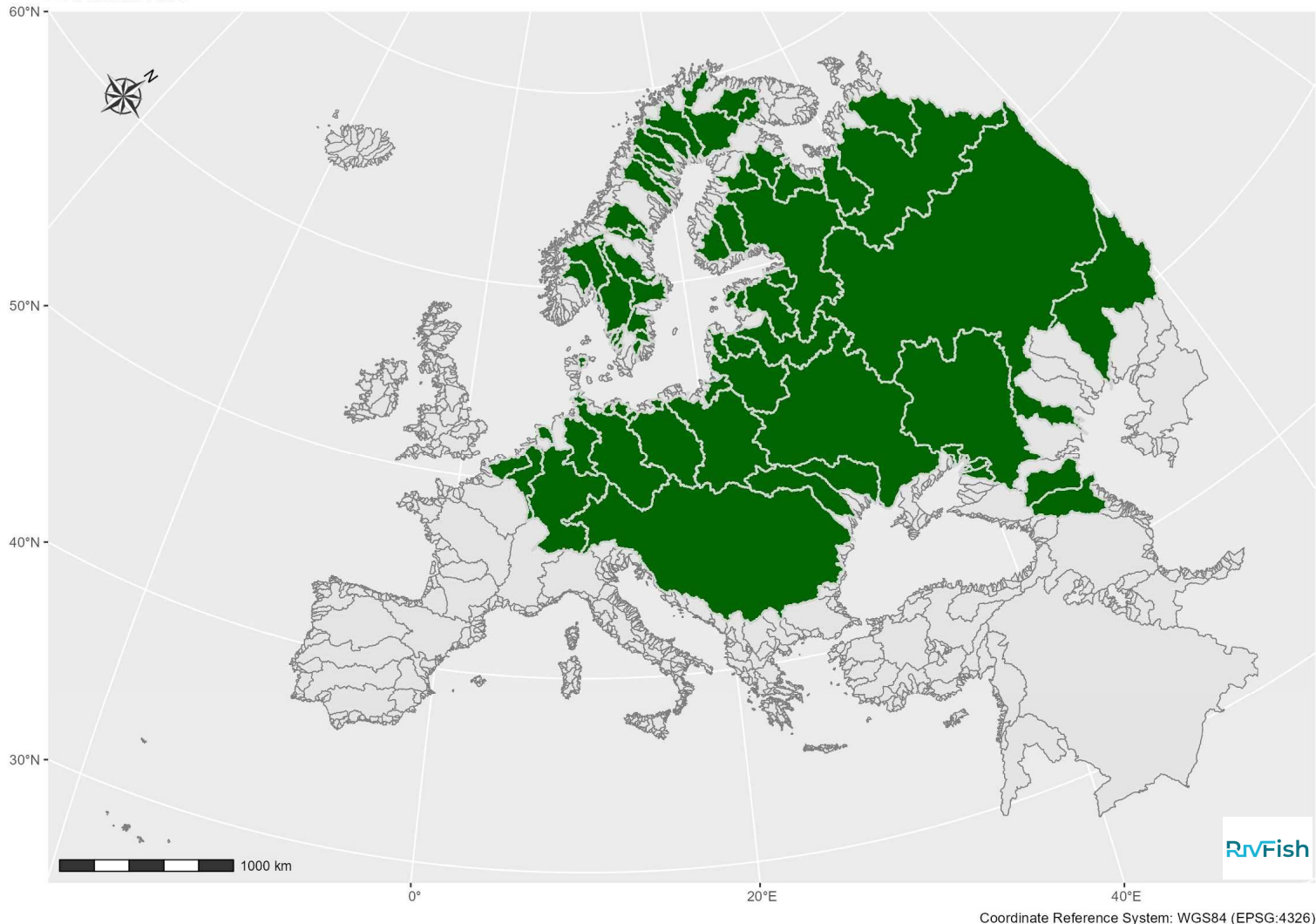
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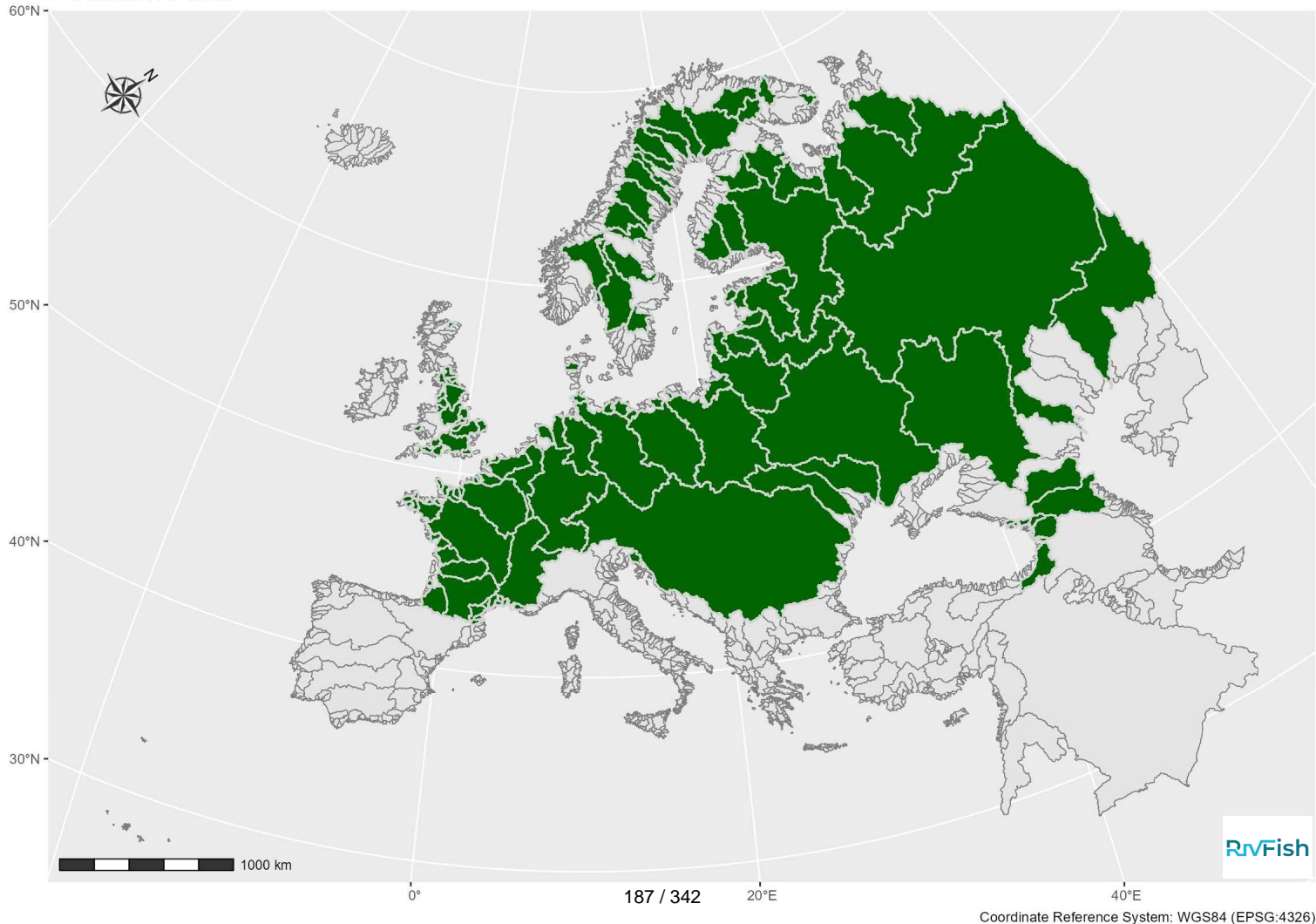
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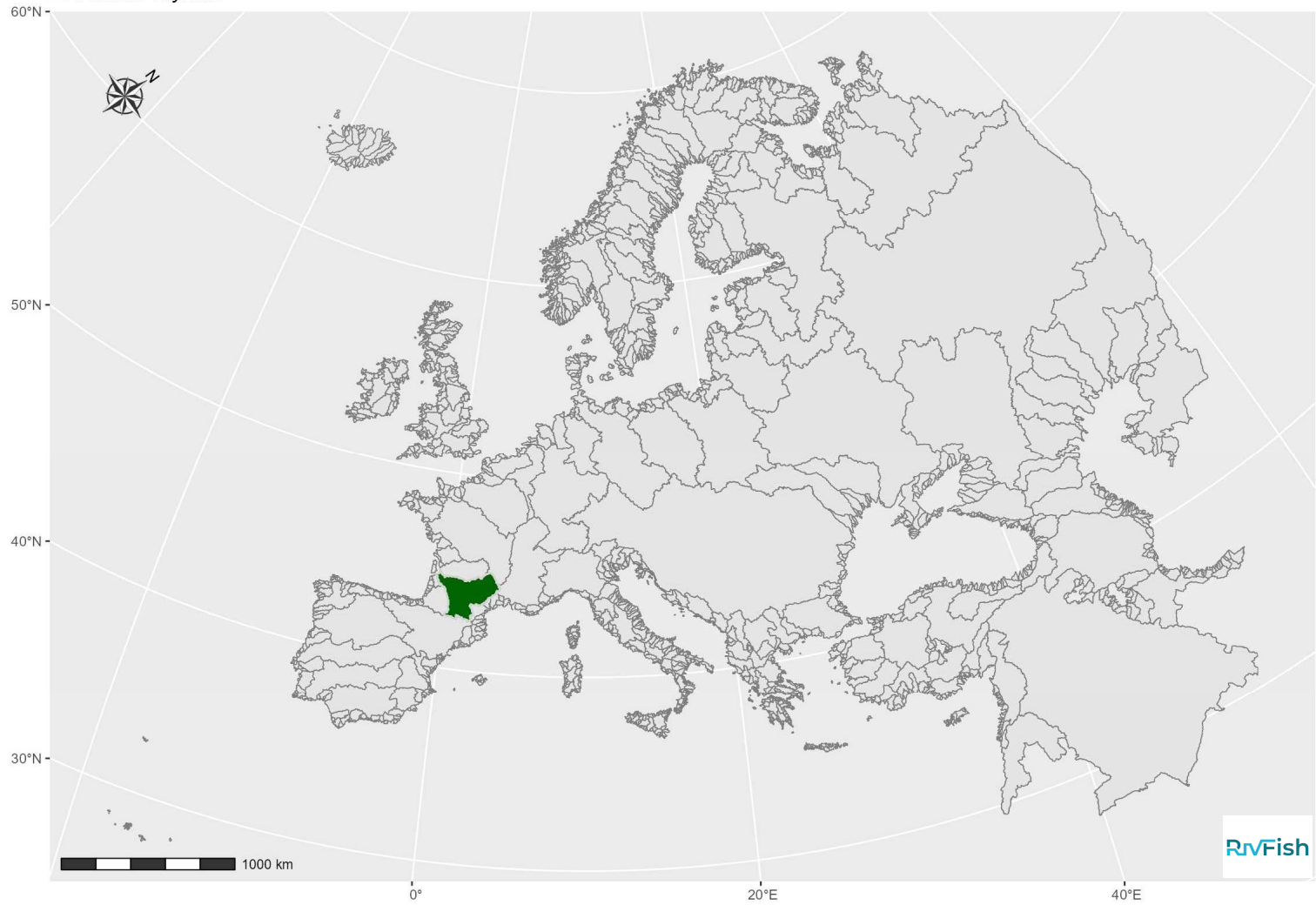
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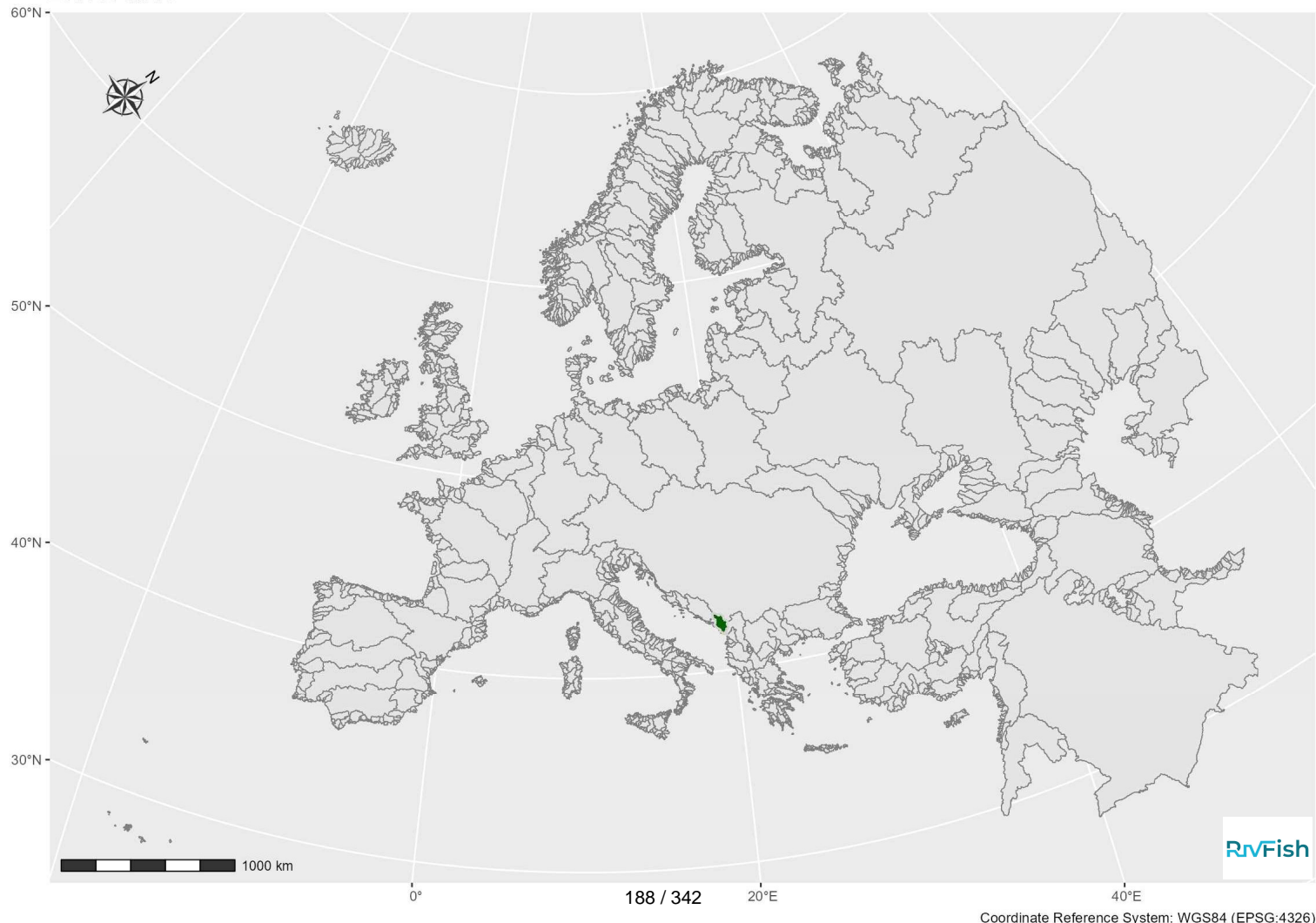
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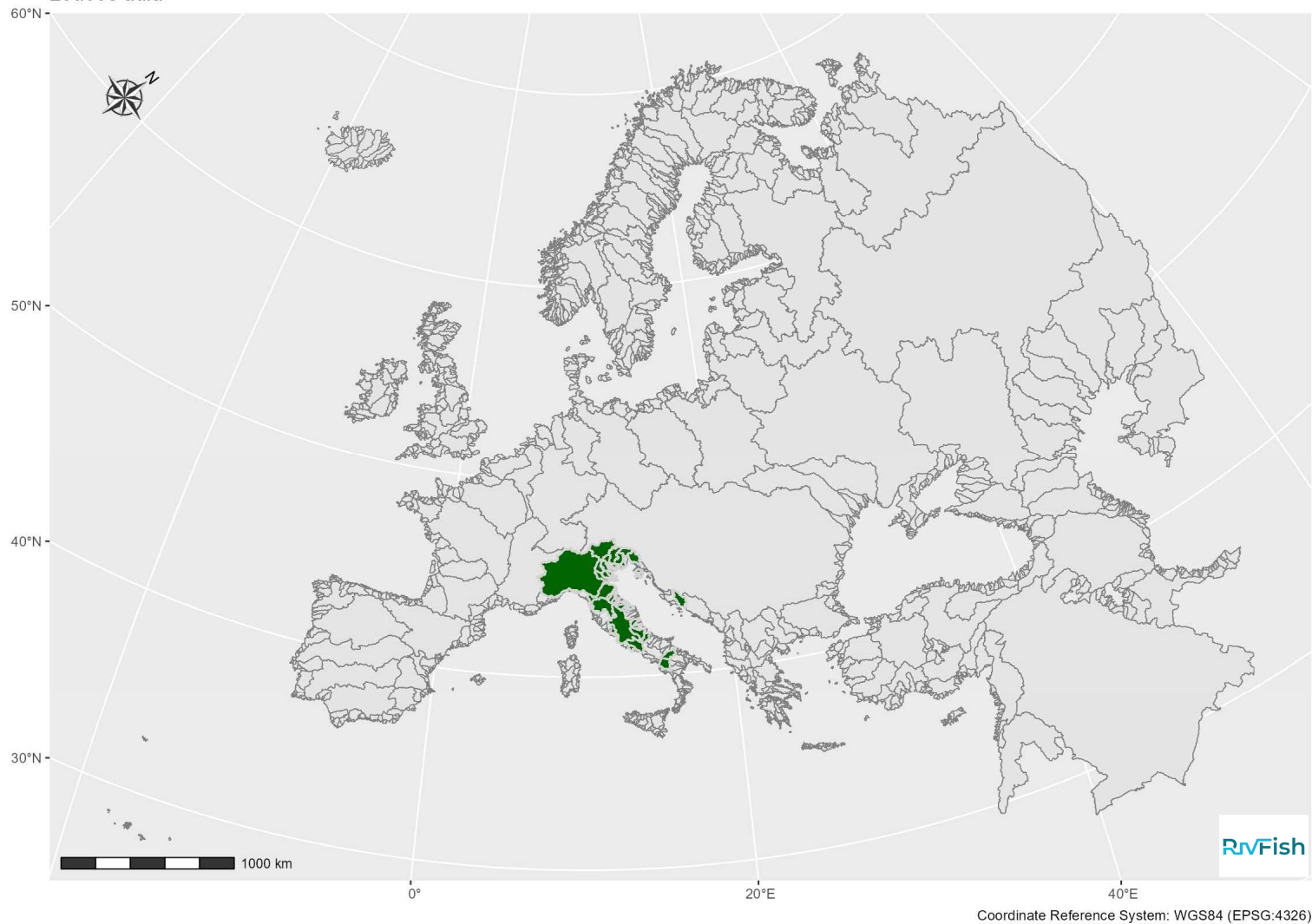
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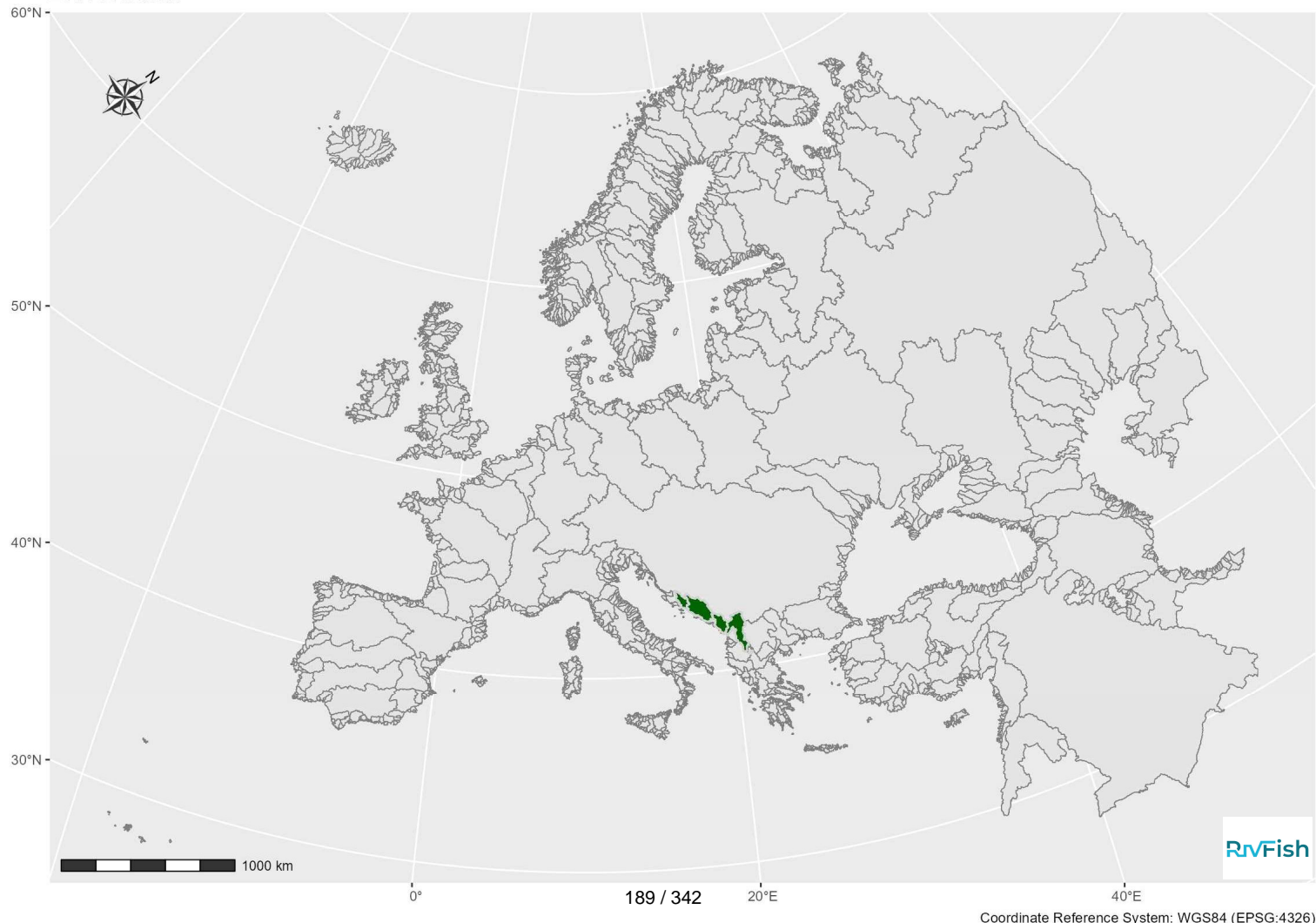
Leucos albus



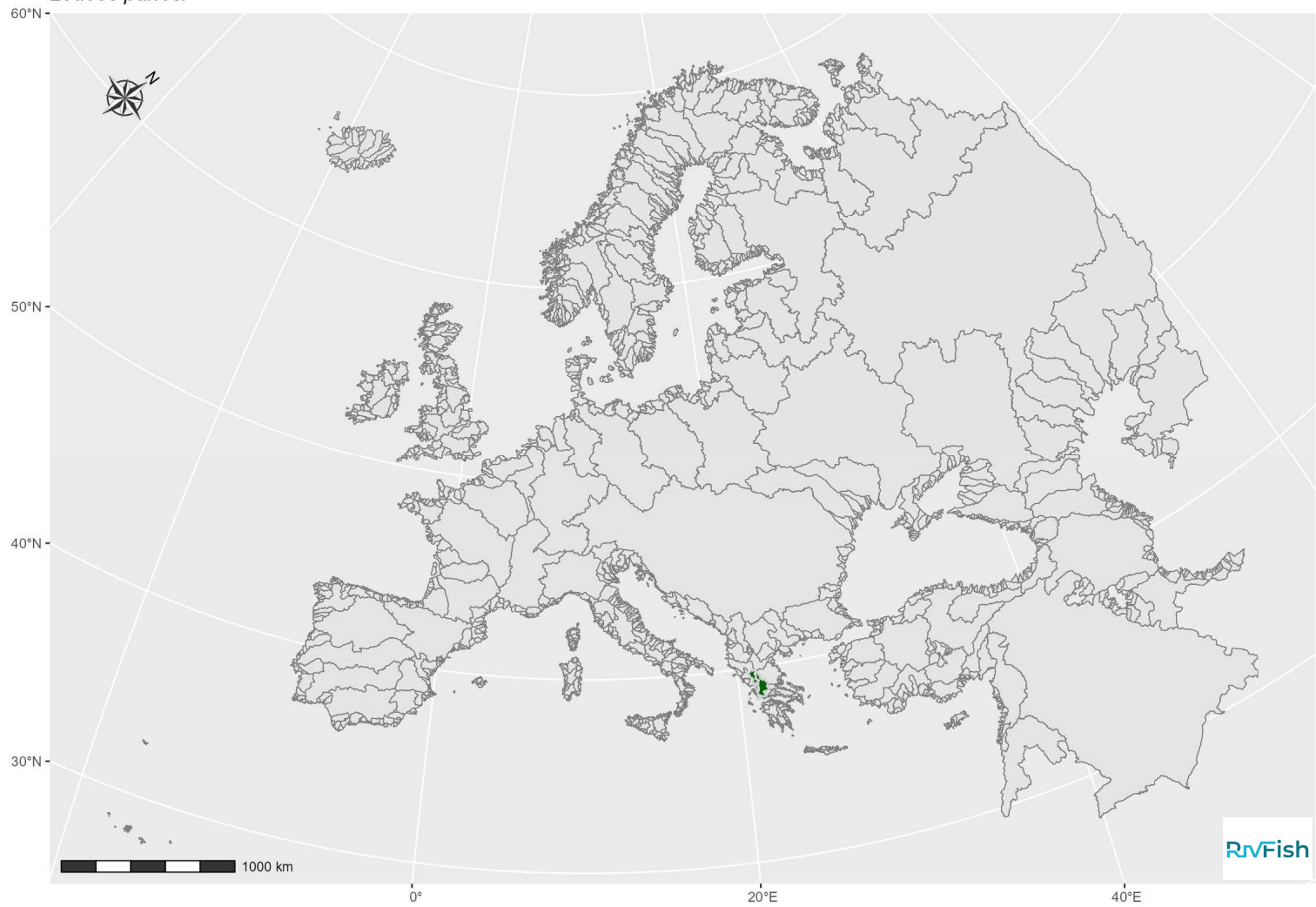
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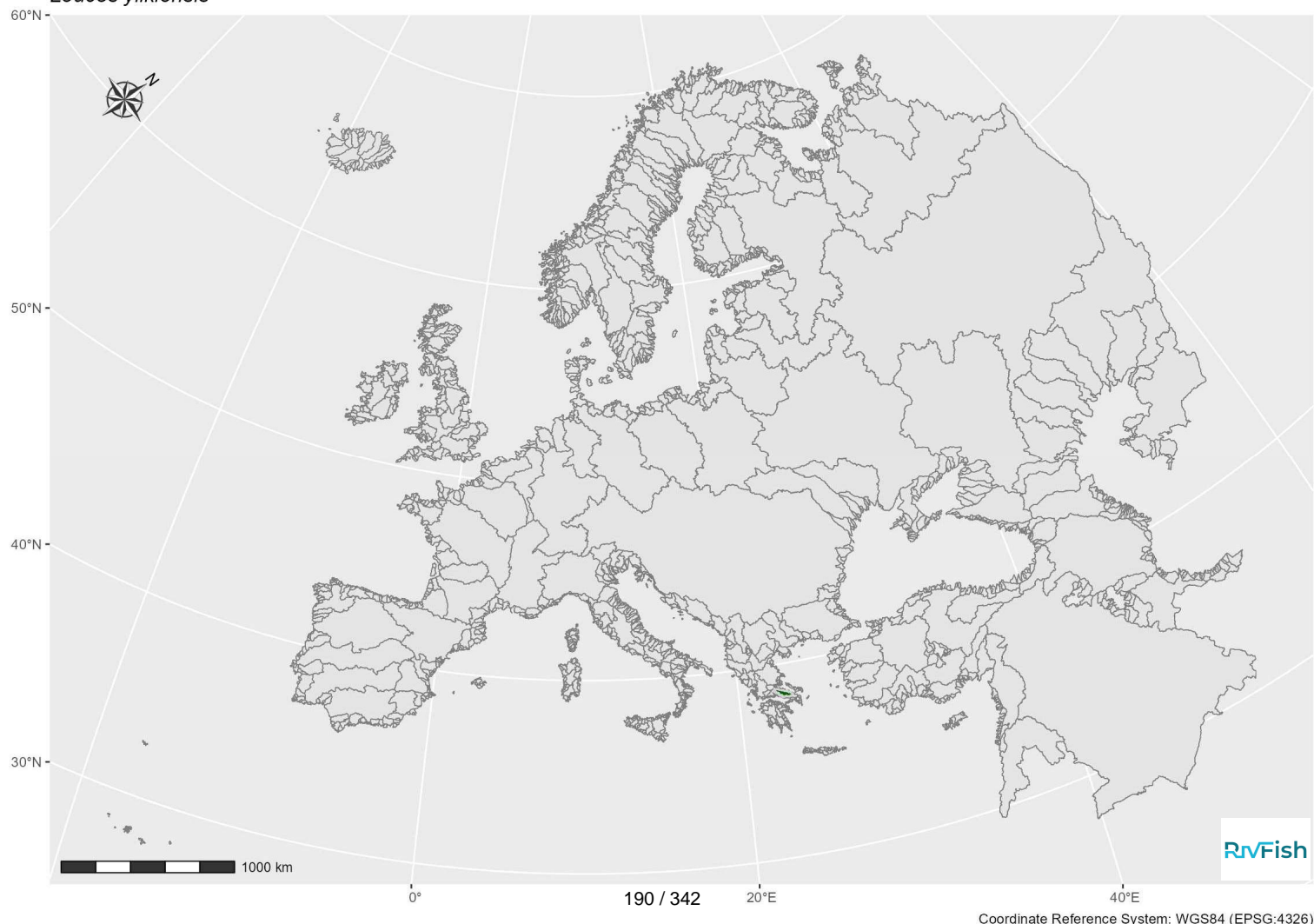
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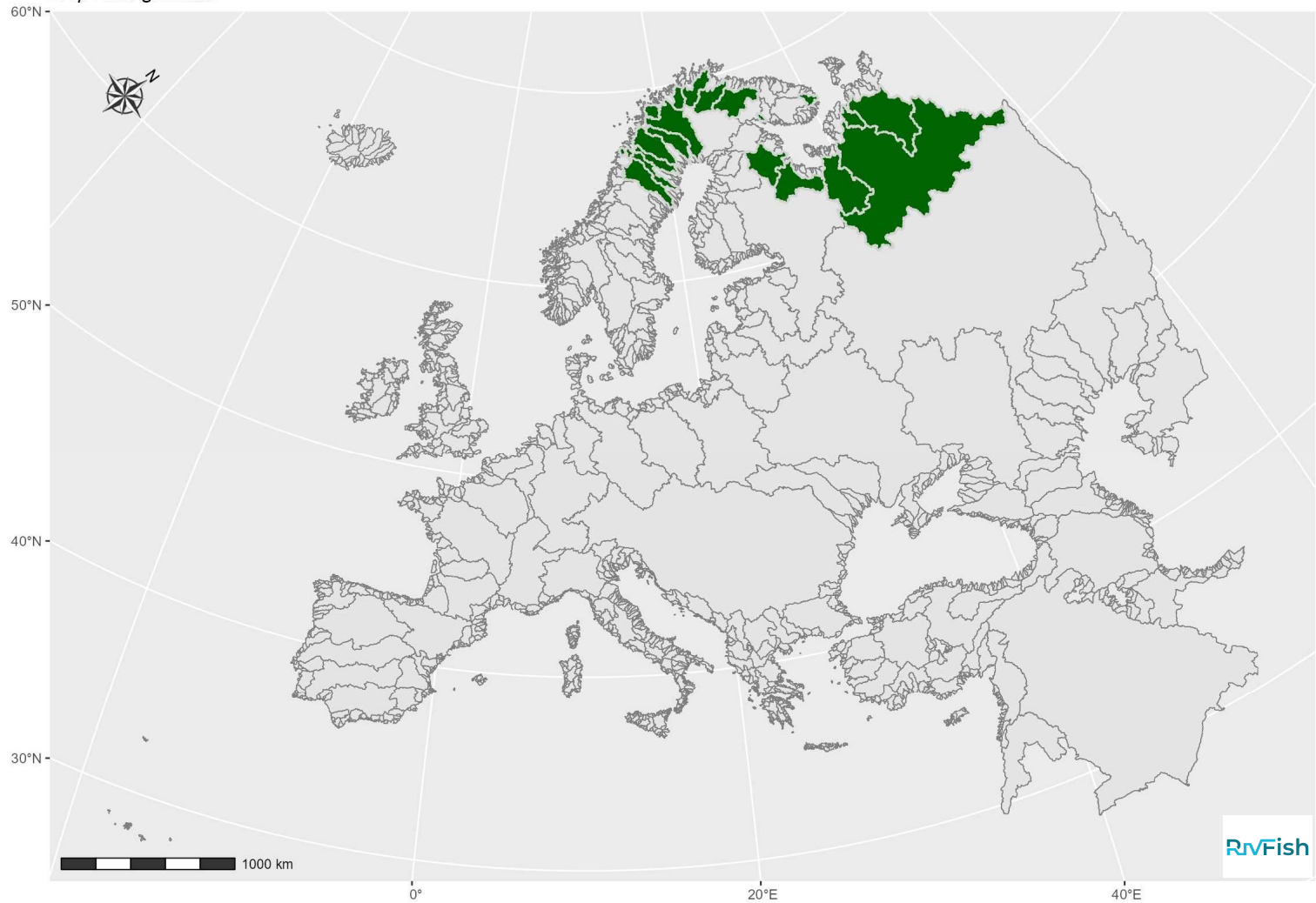
Leucos panosi



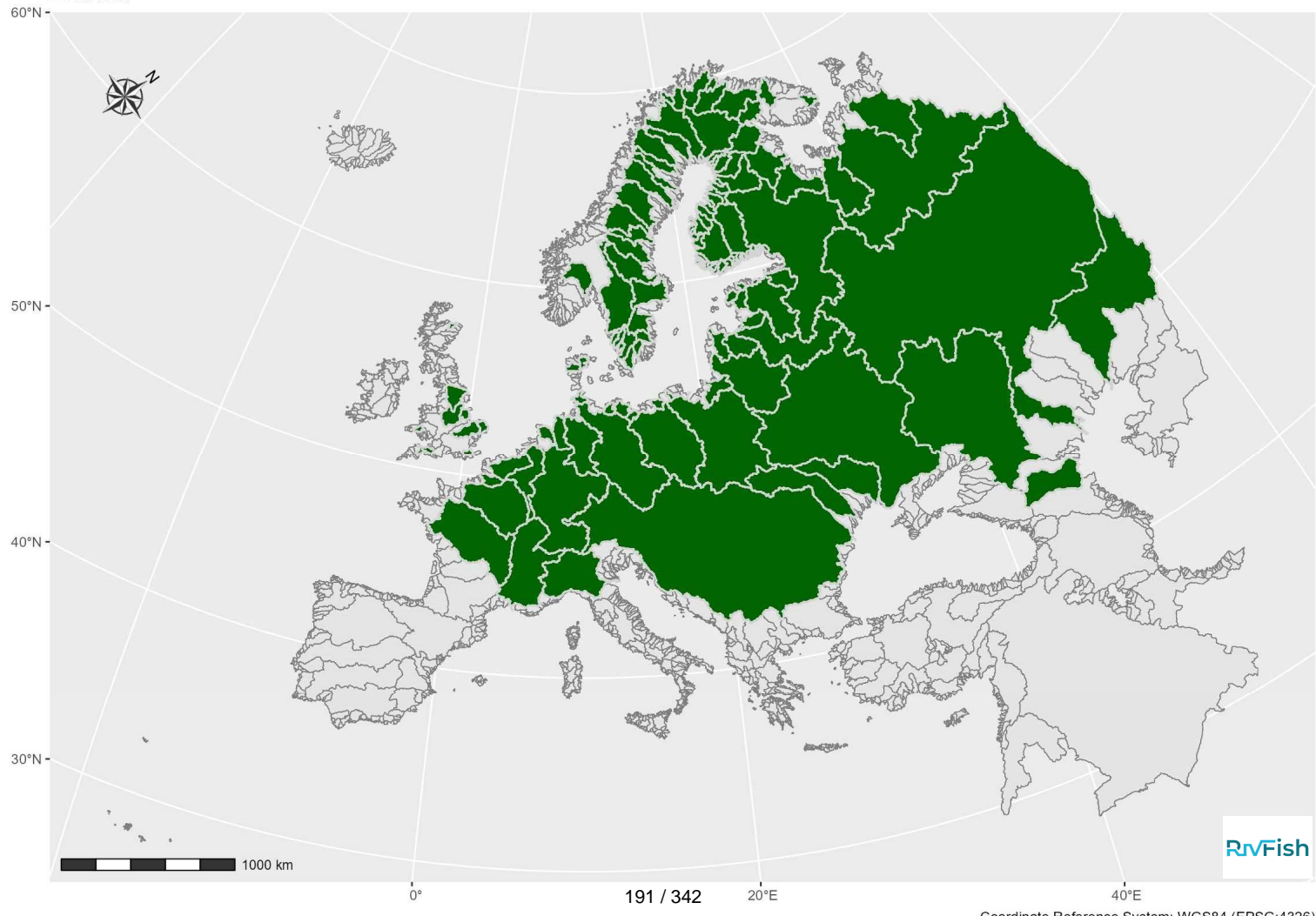
Leucos ylikiensis



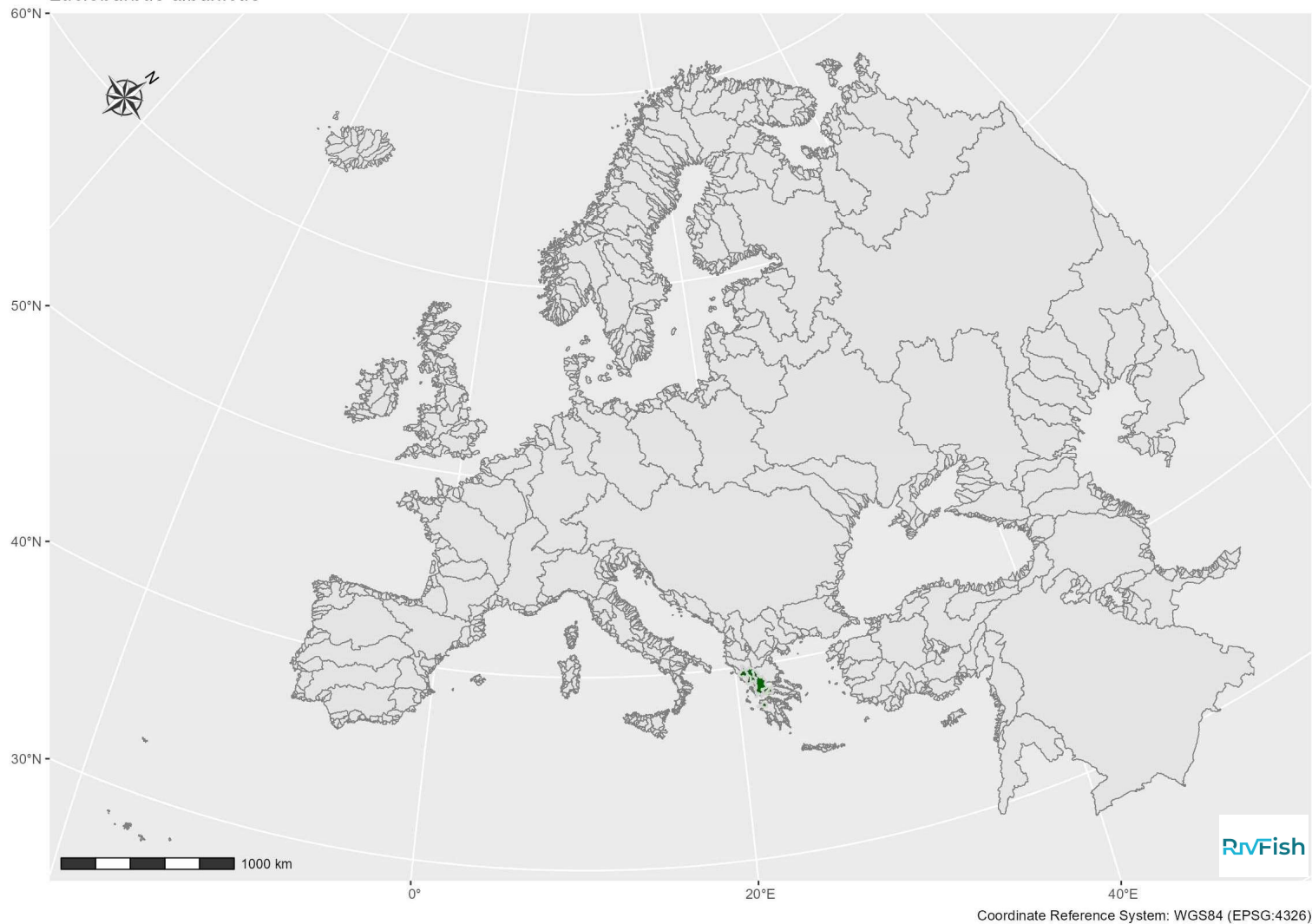
Liopsetta glacialis



Lota lota



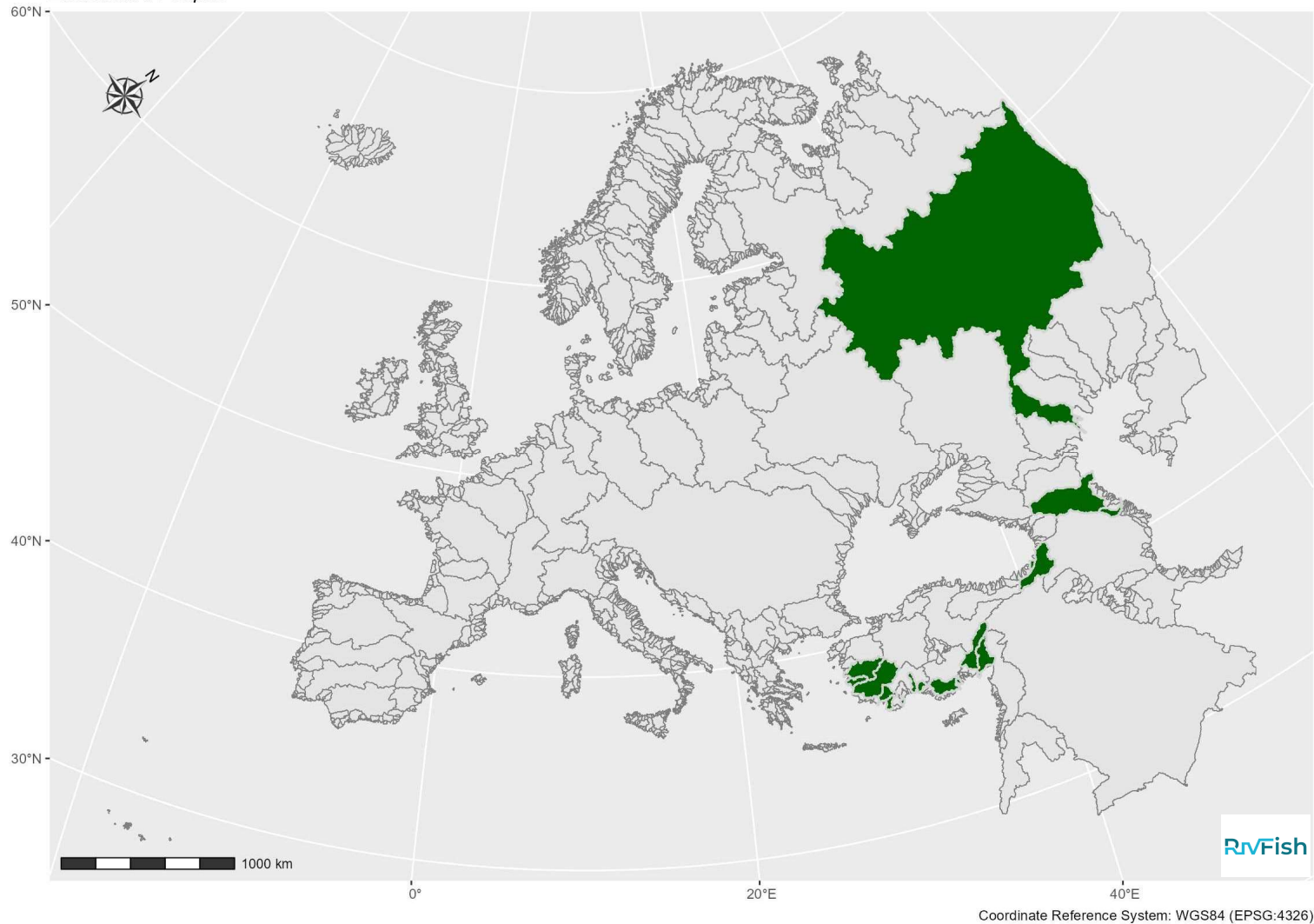
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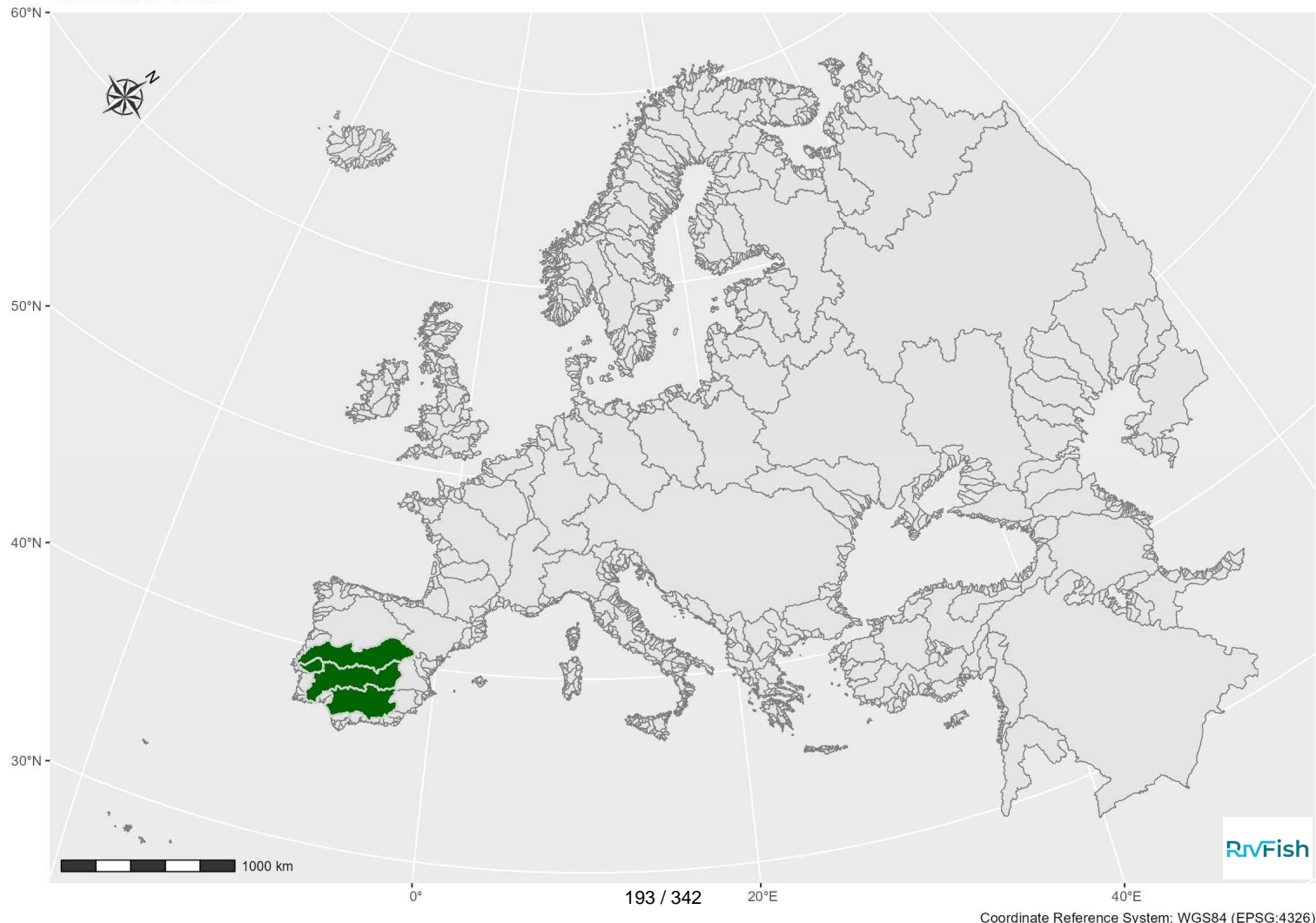
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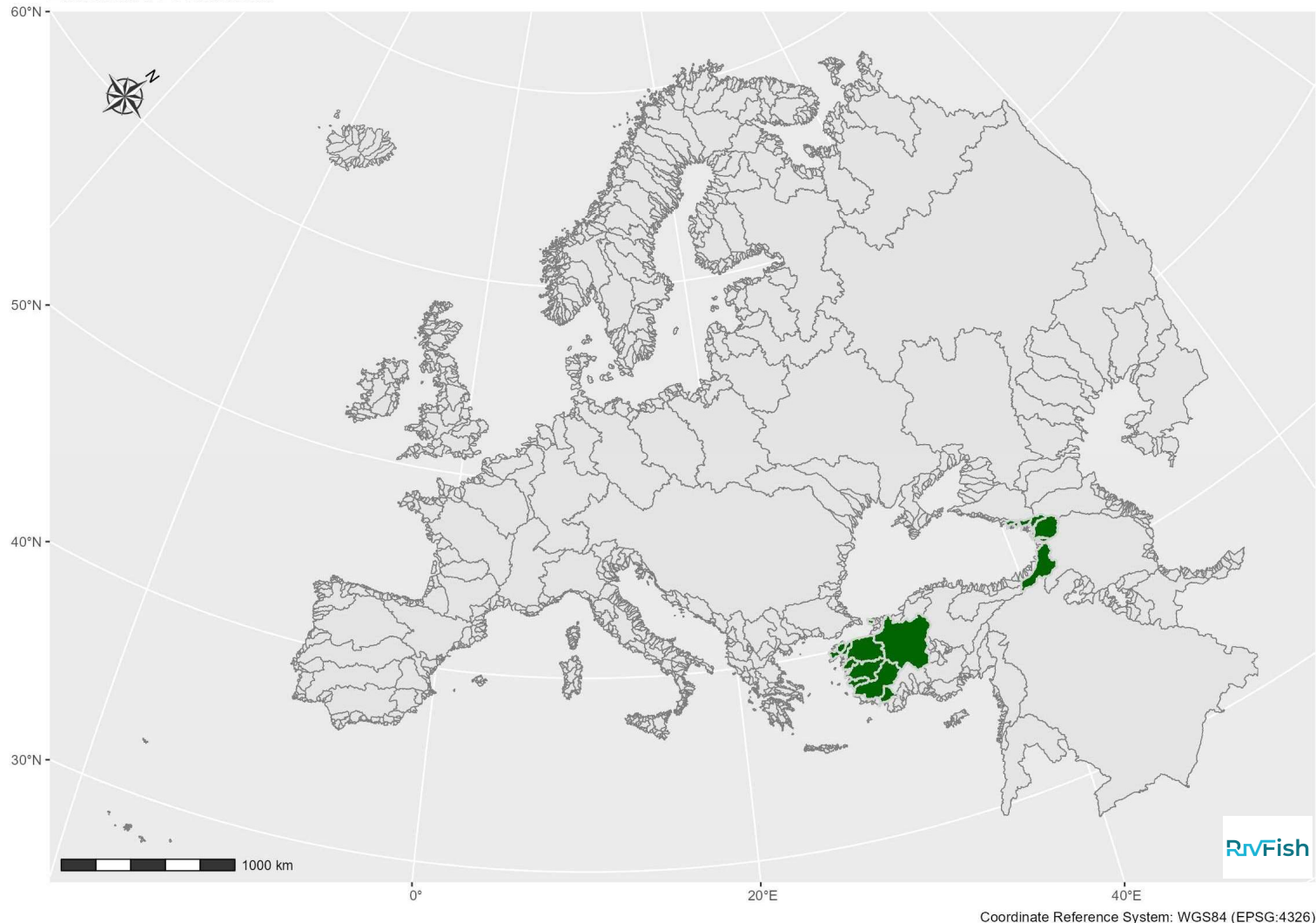
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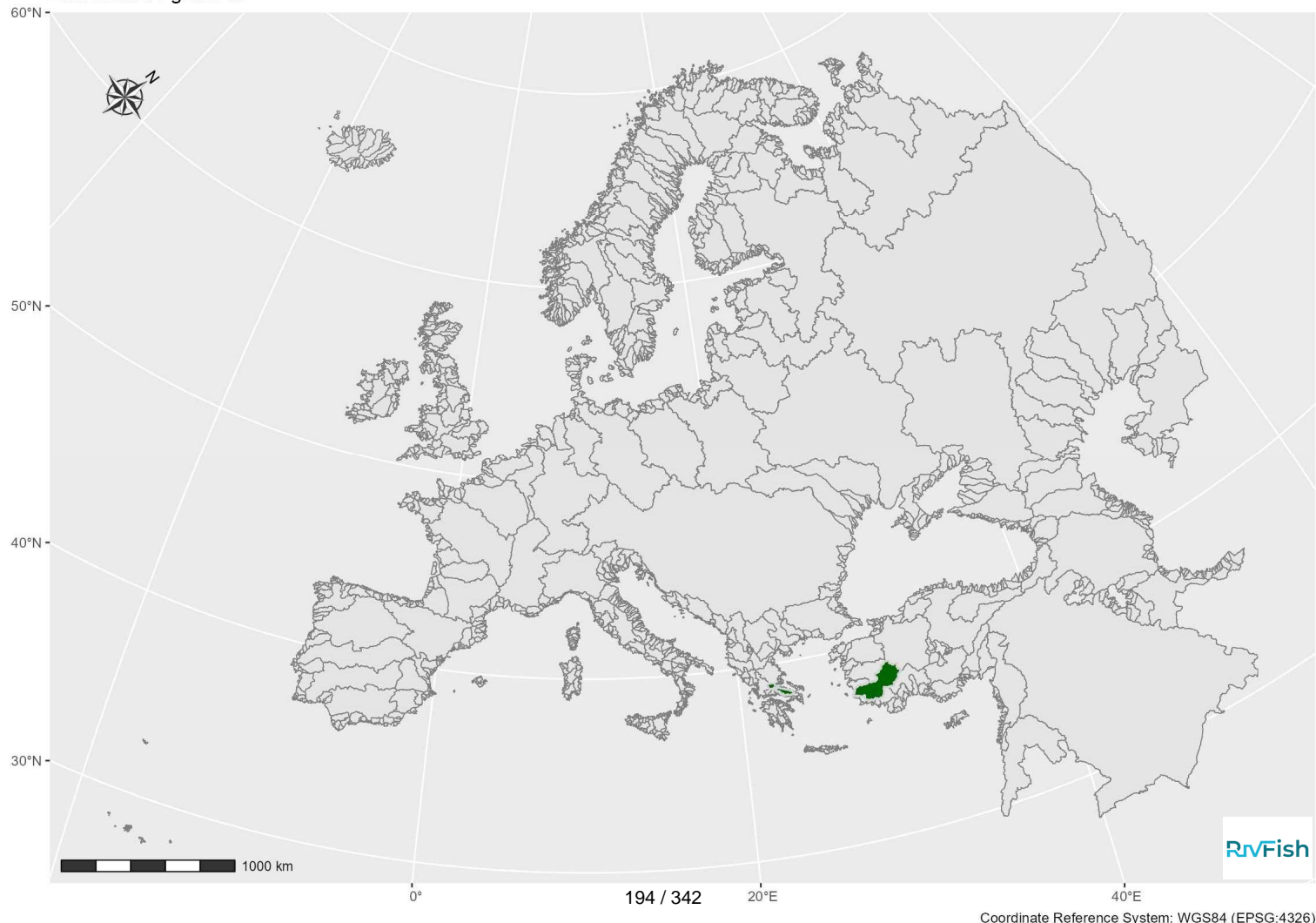
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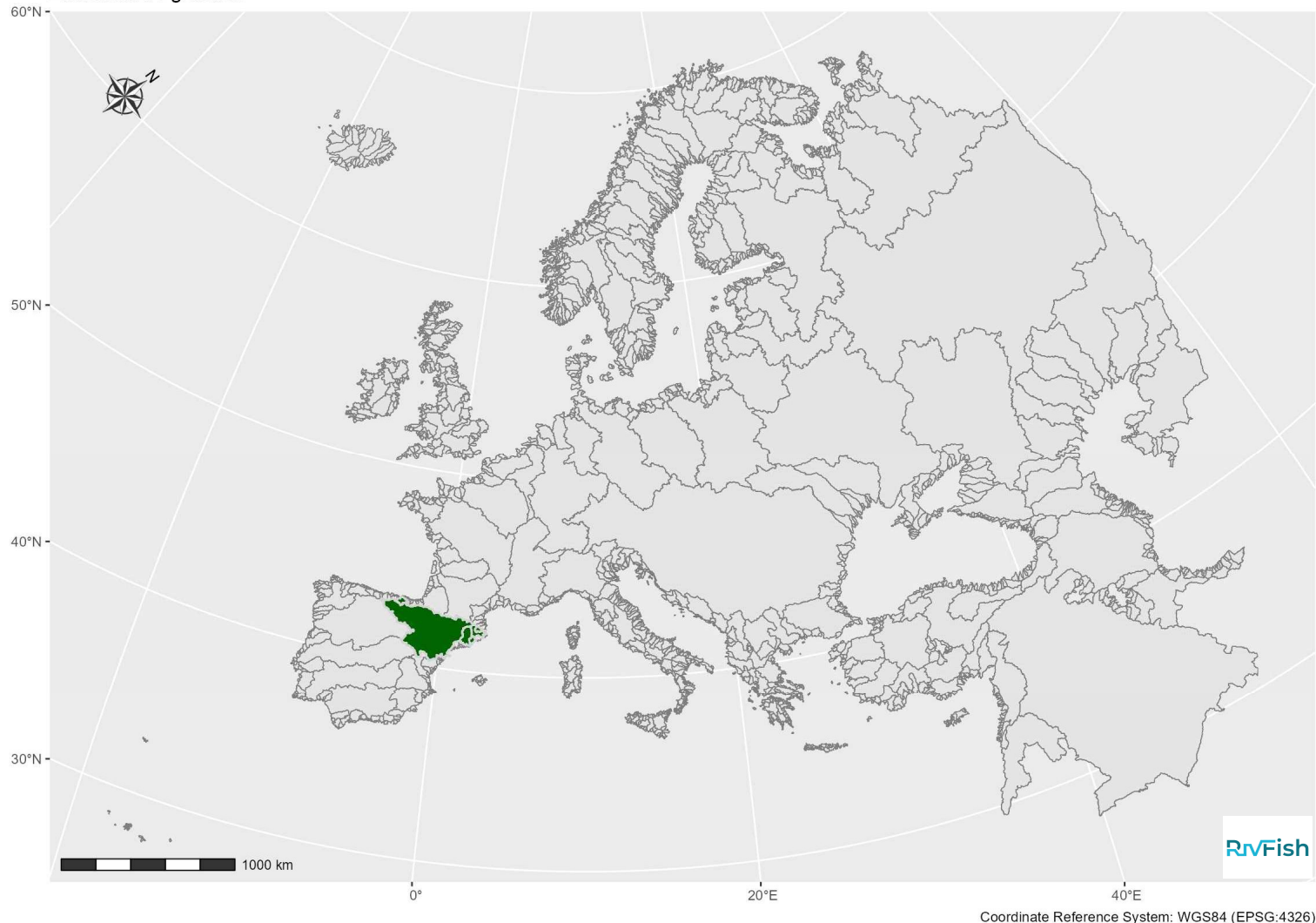
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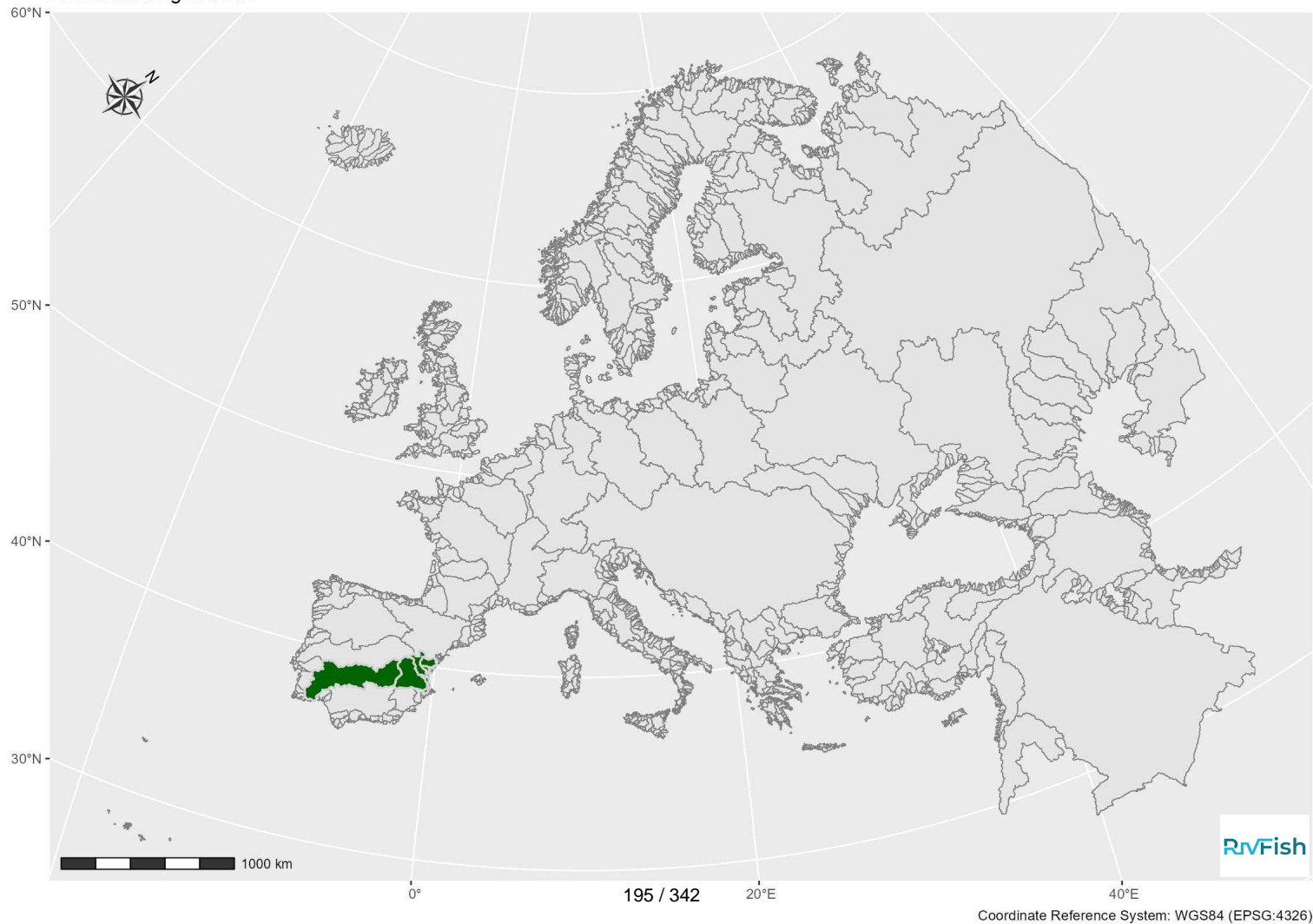
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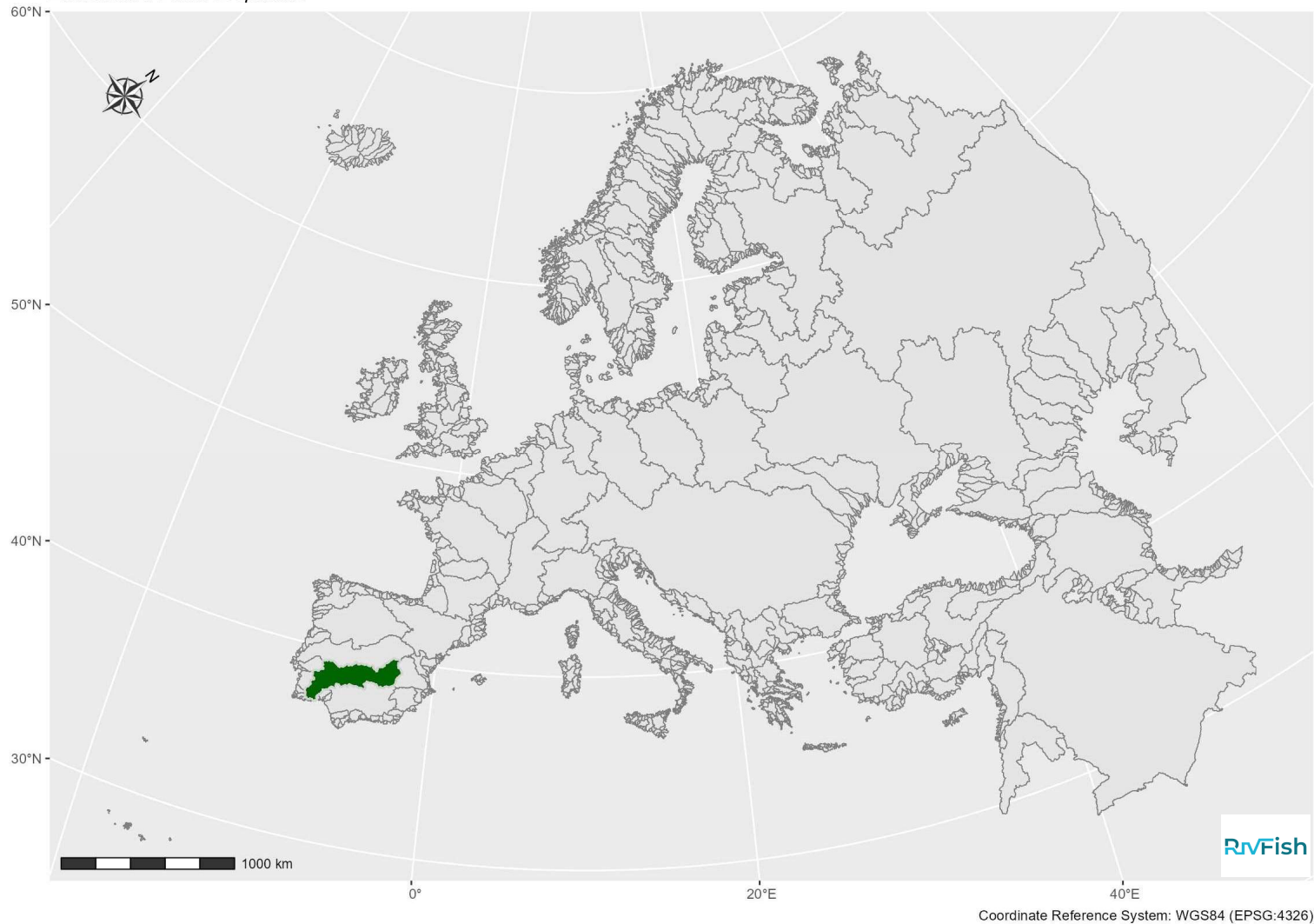
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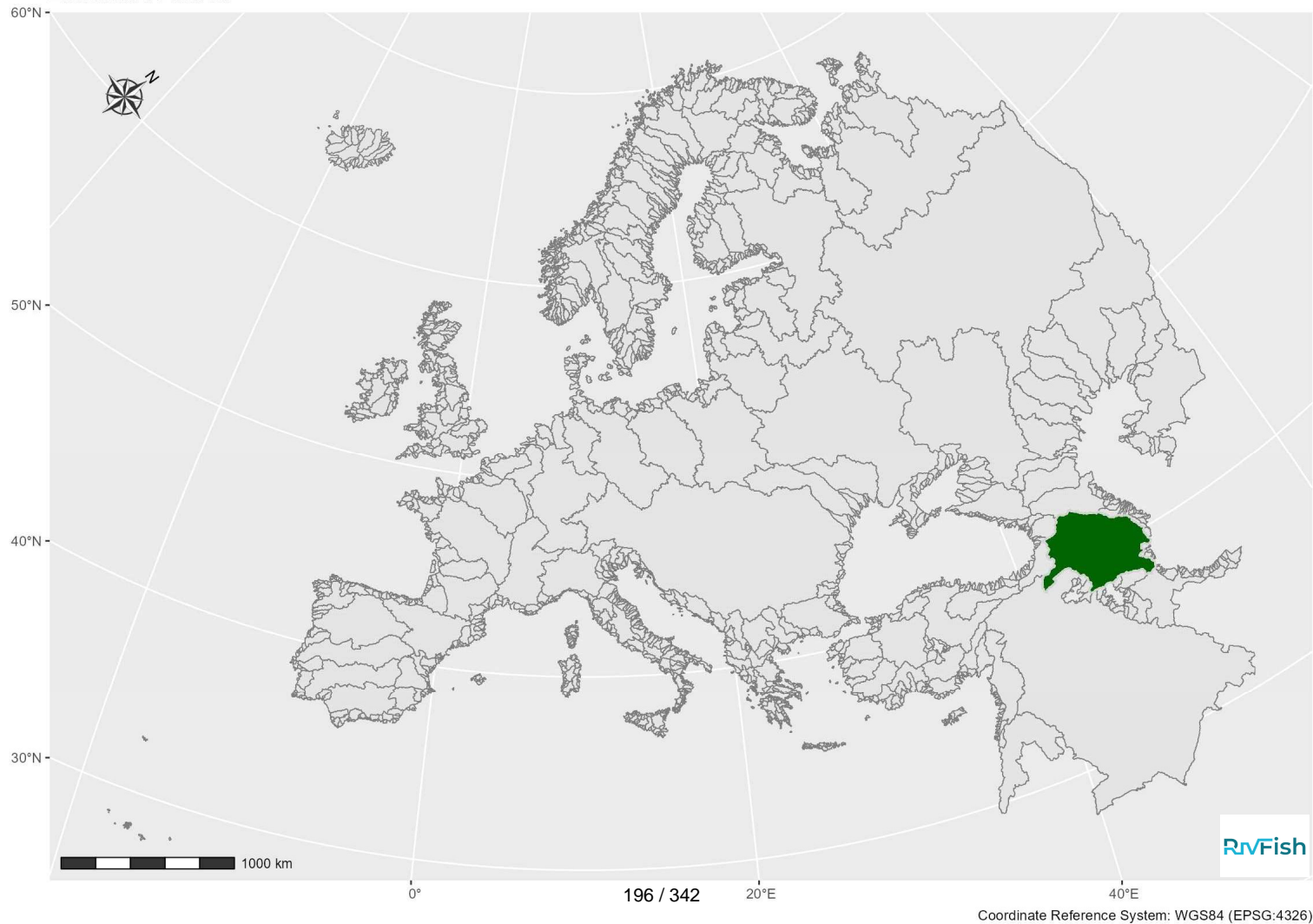
Luciobarbus guiraonis



Luciobarbus microcephalus



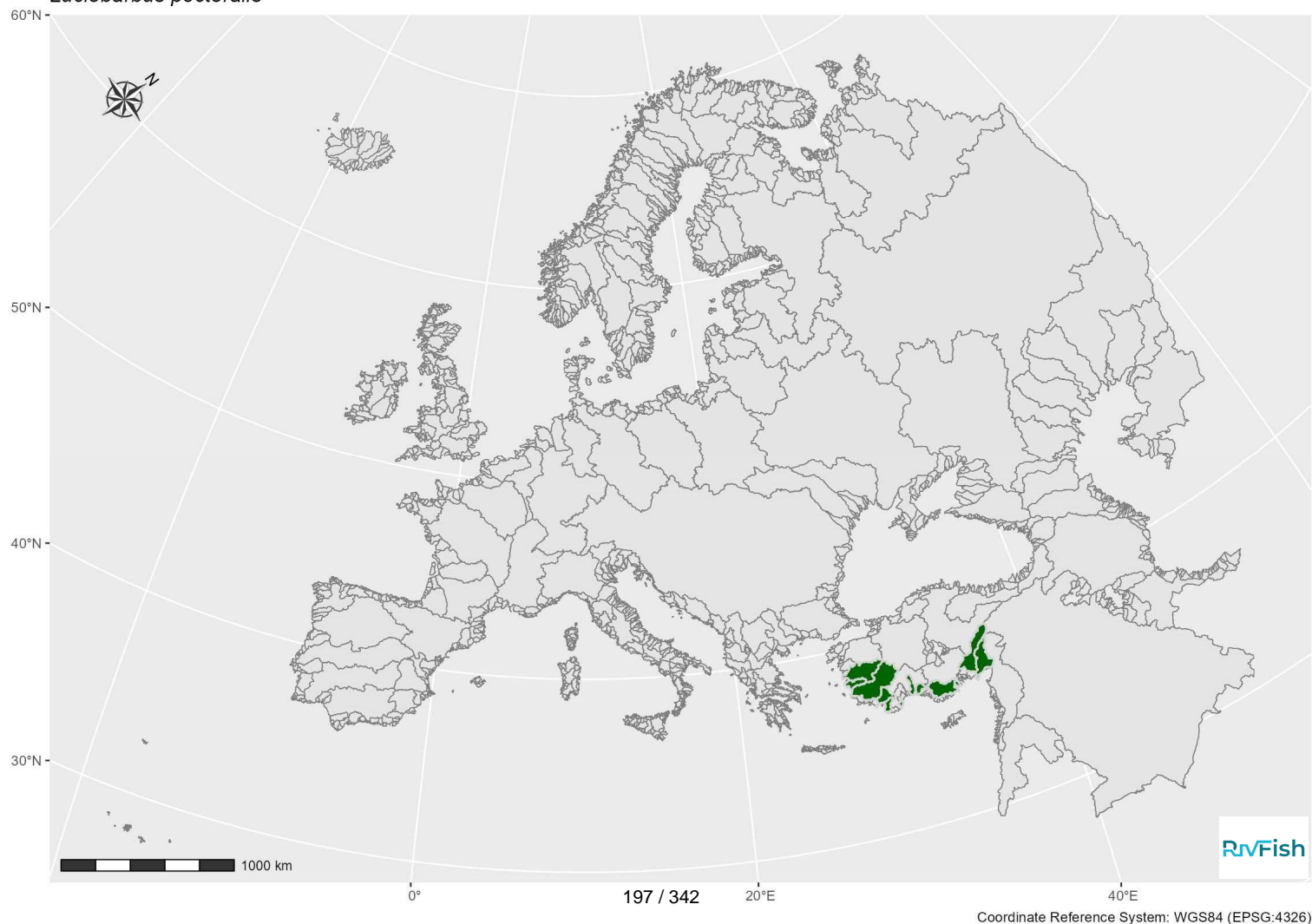
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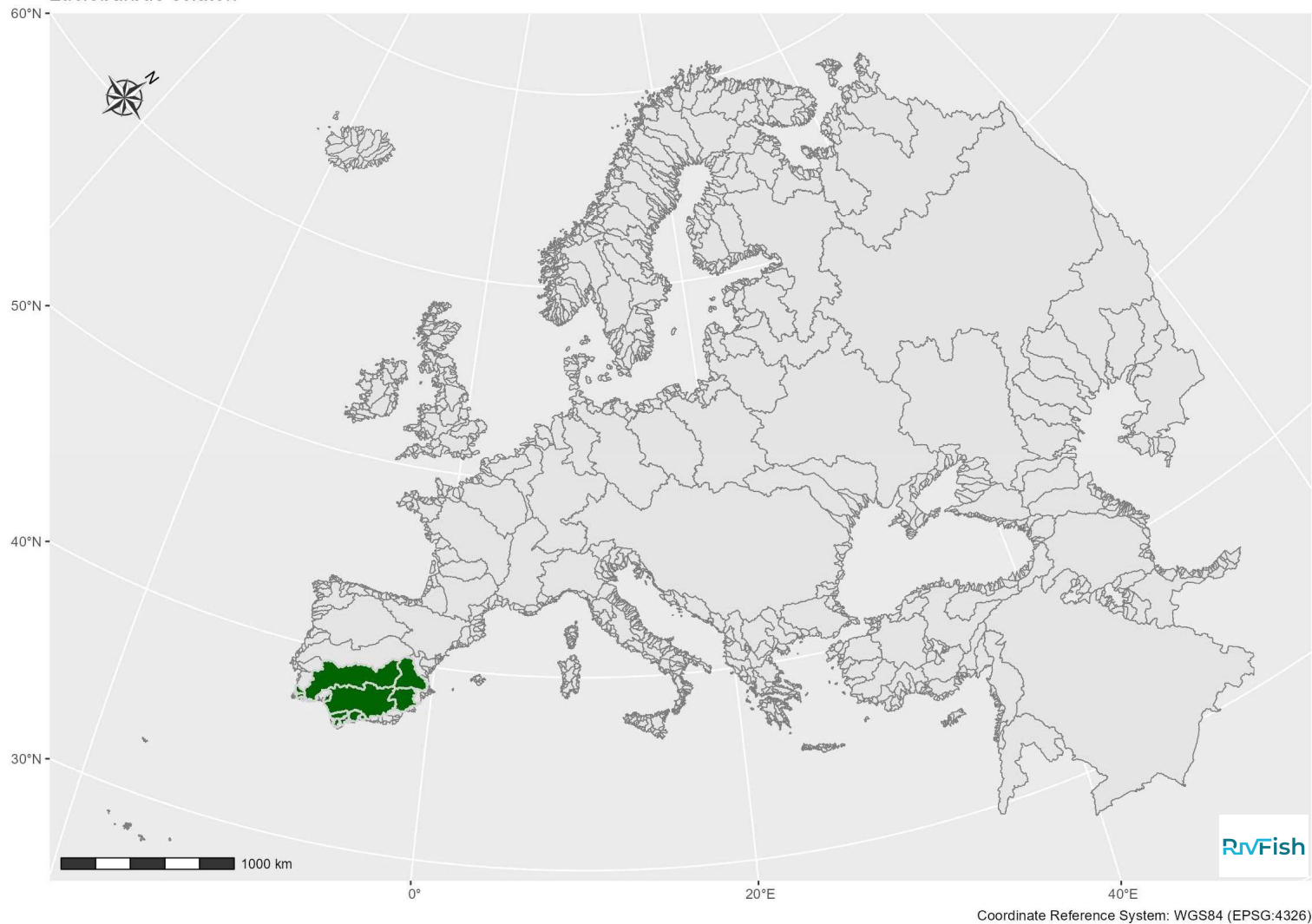
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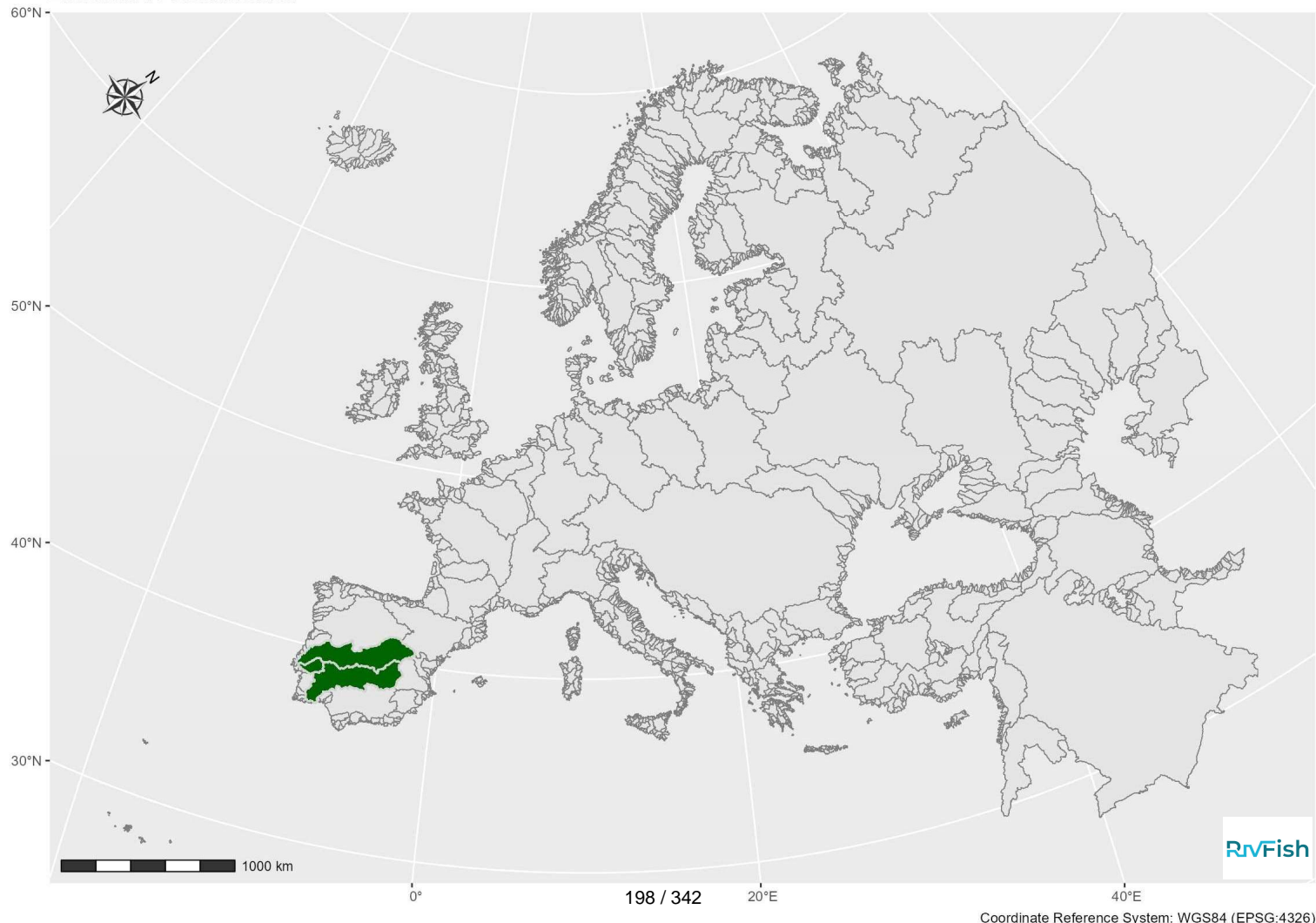
Luciobarbus pectoralis



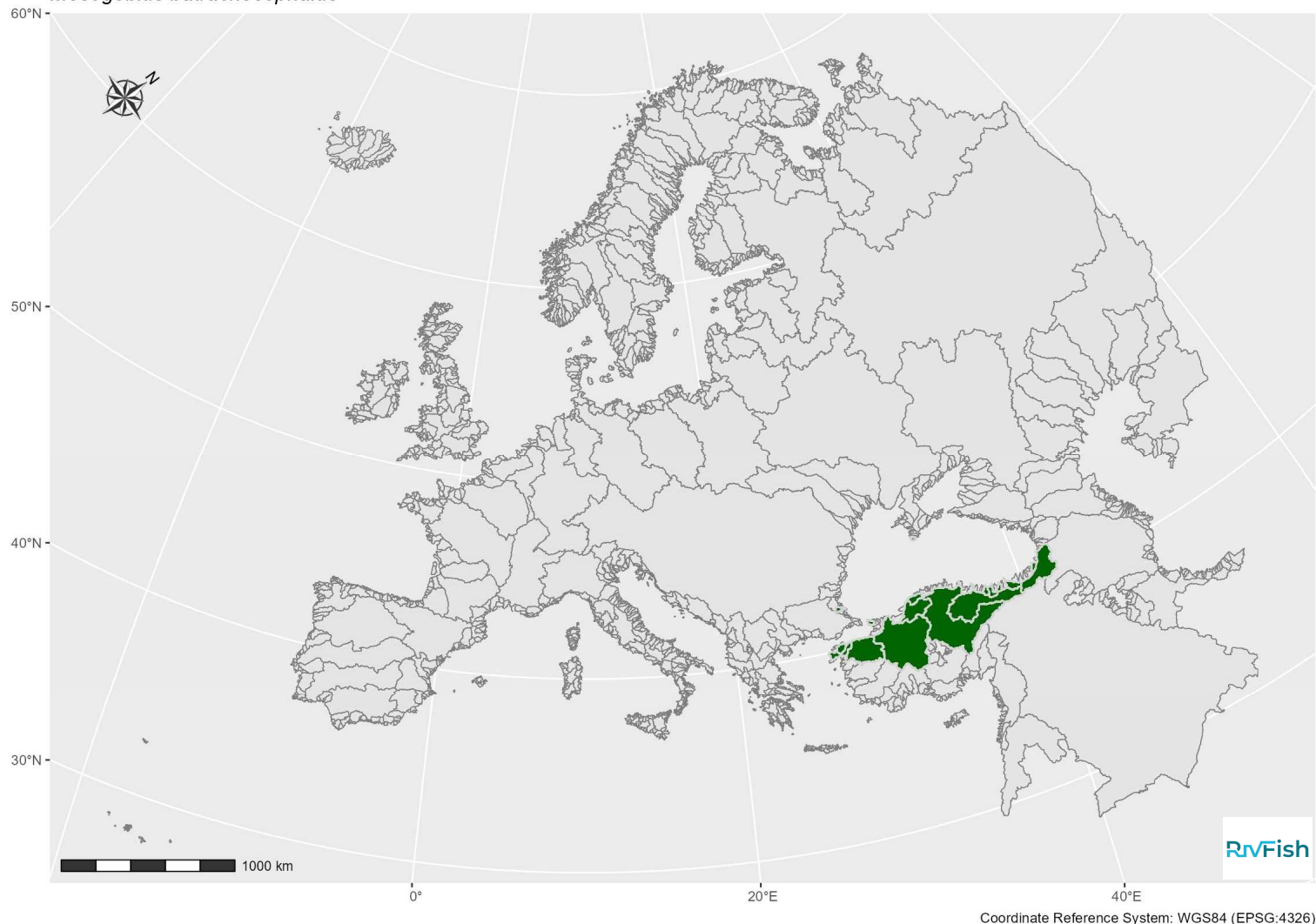
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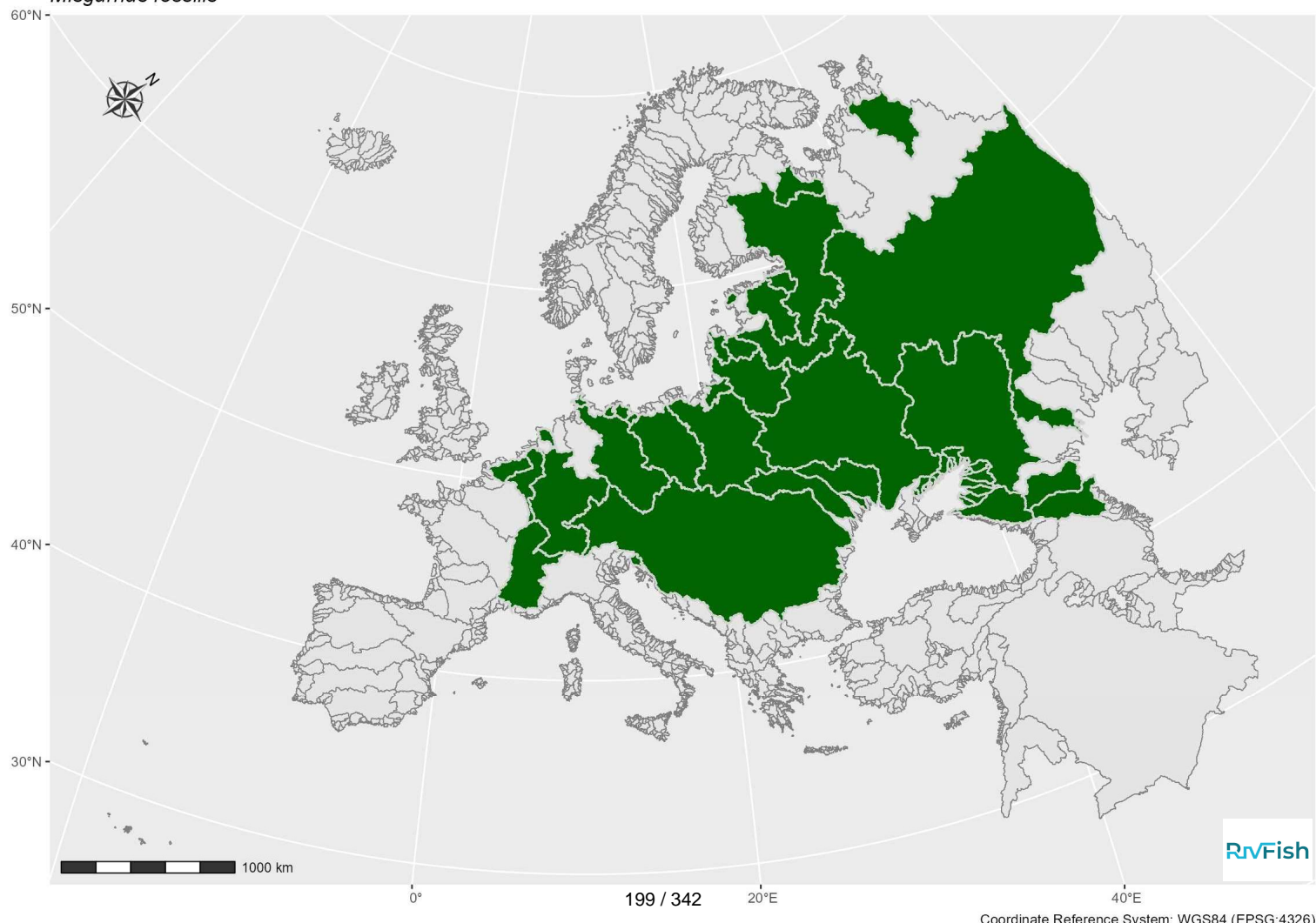
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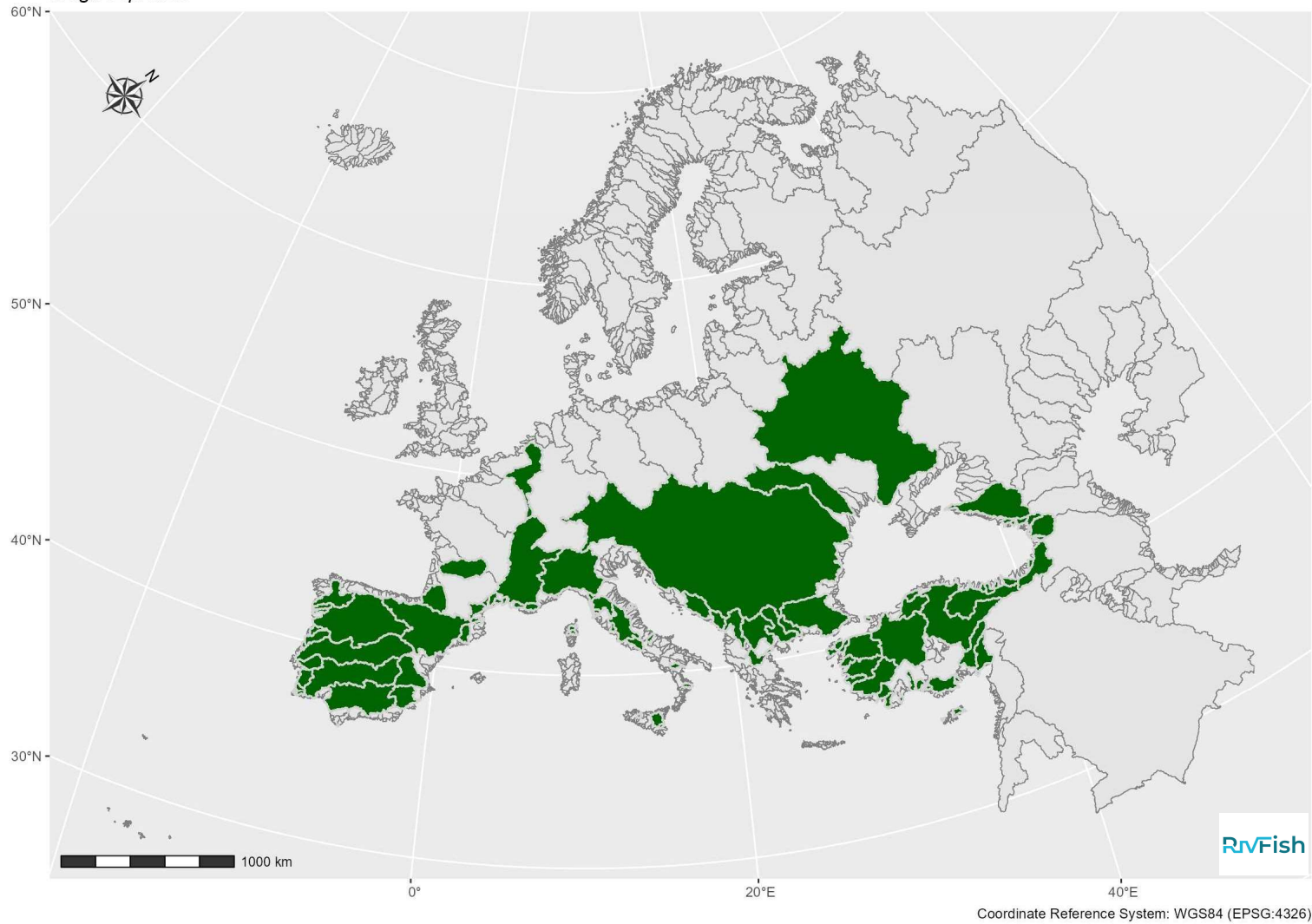
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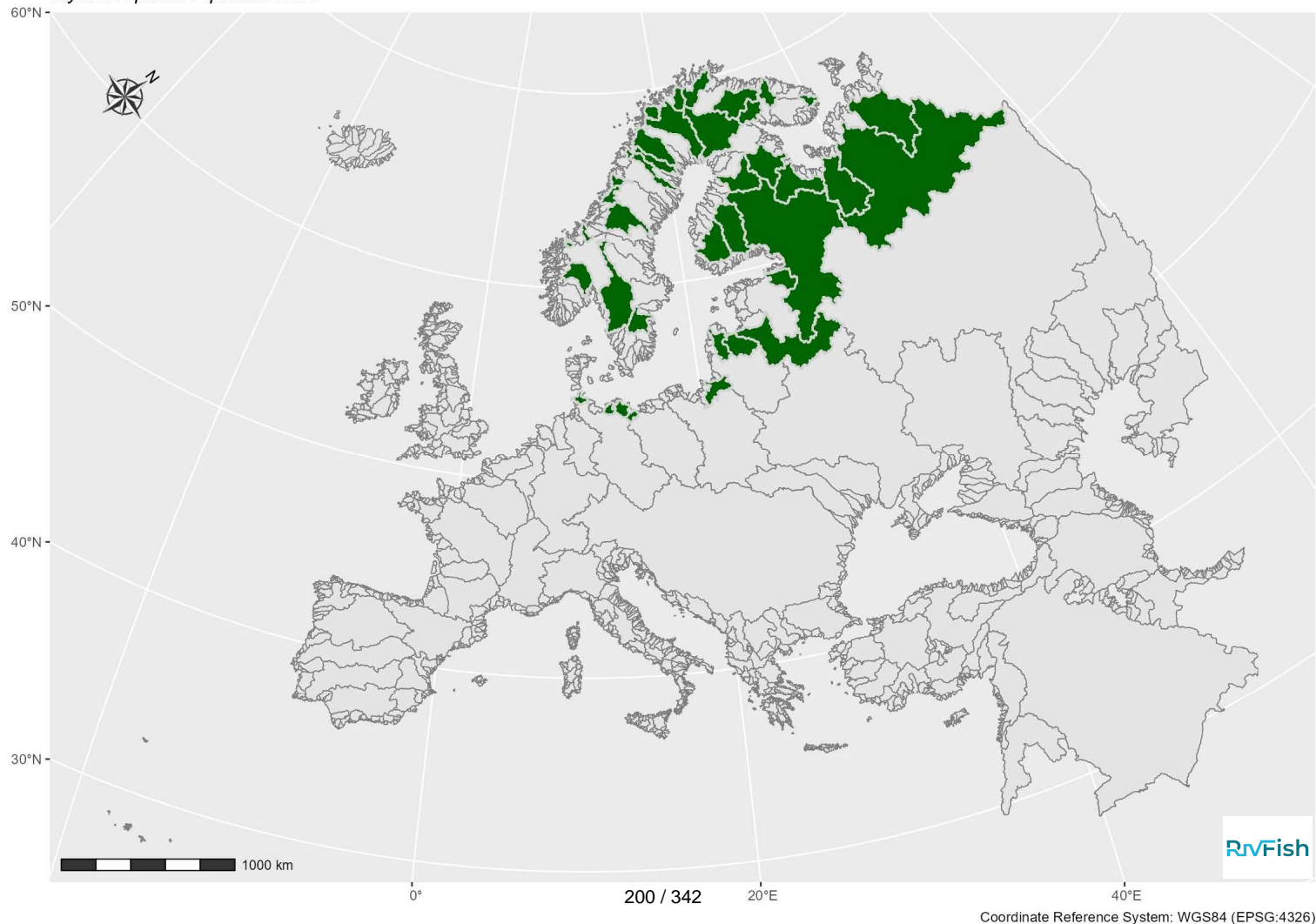
Misgurnus fossilis



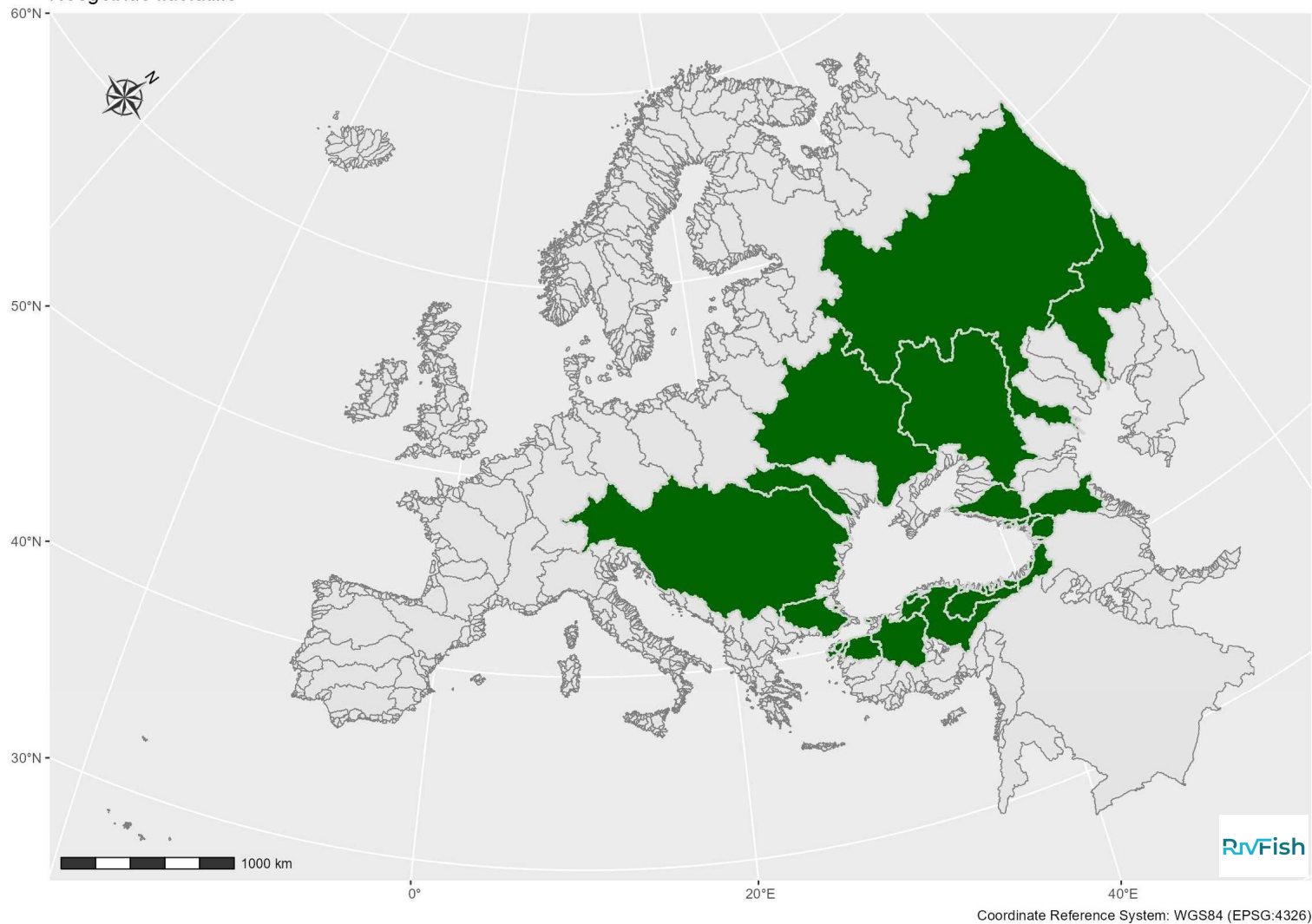
Mugil cephalus



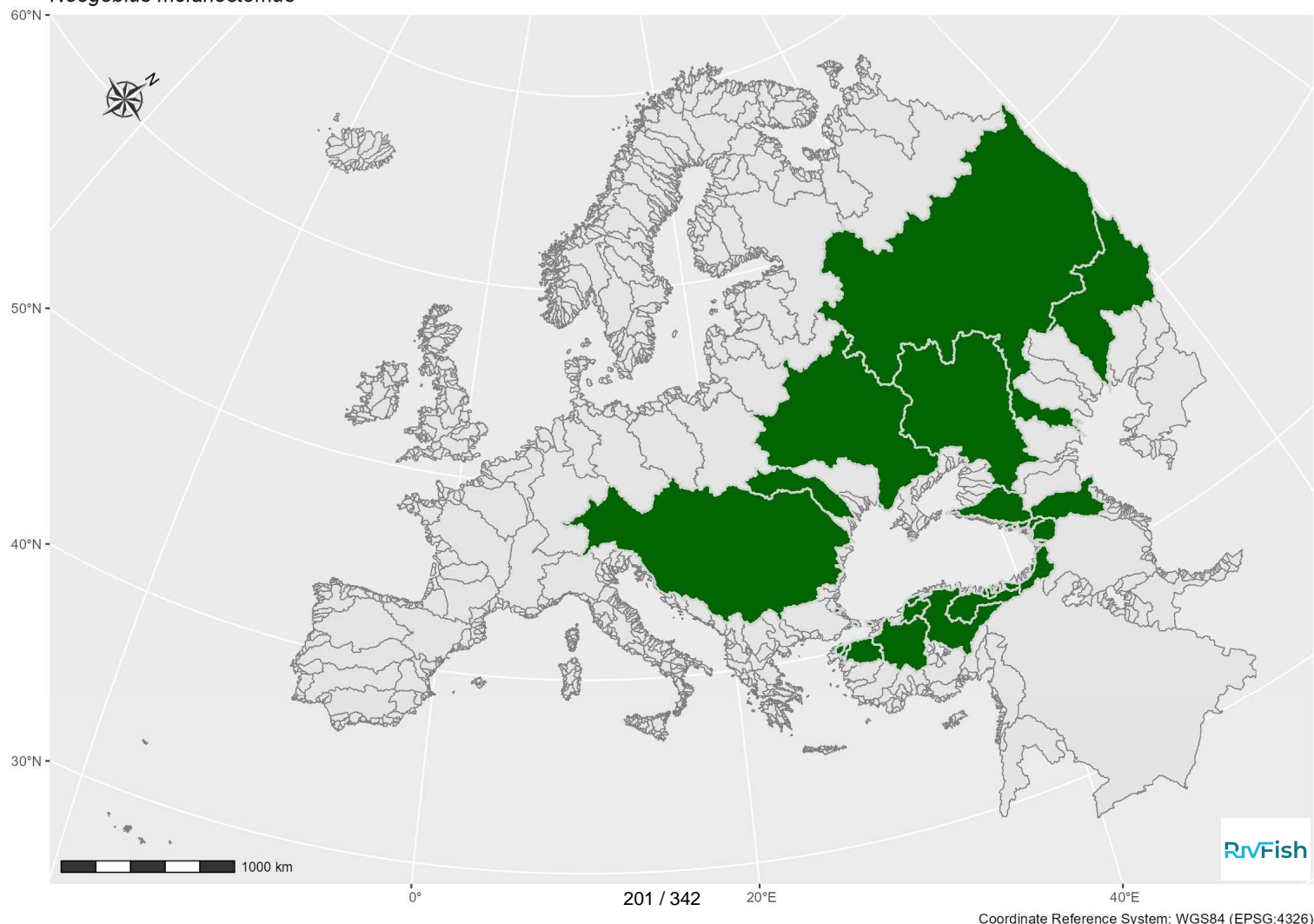
Myoxocephalus quadricornis



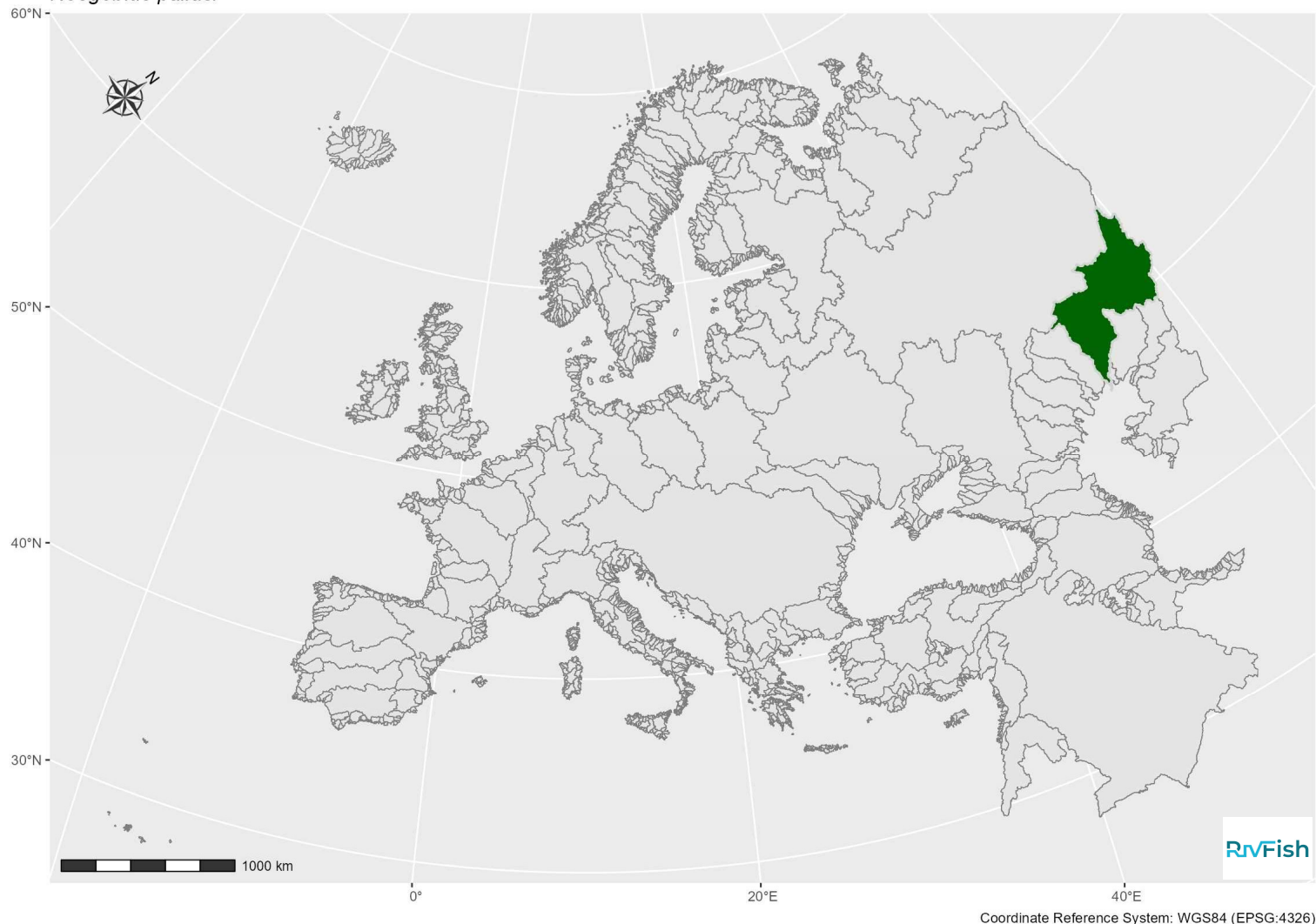
Neogobius fluviatilis



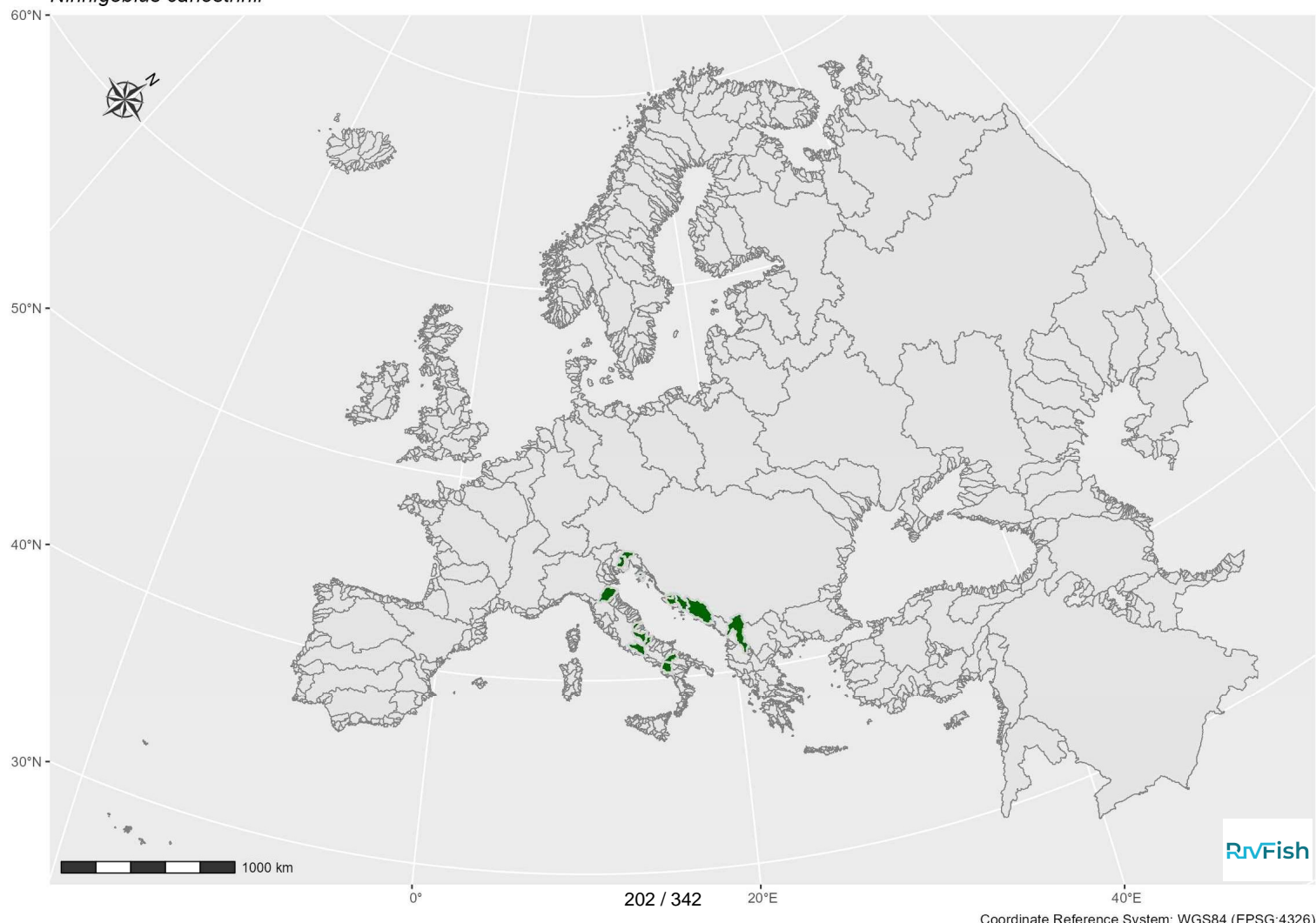
Neogobius melanostomus



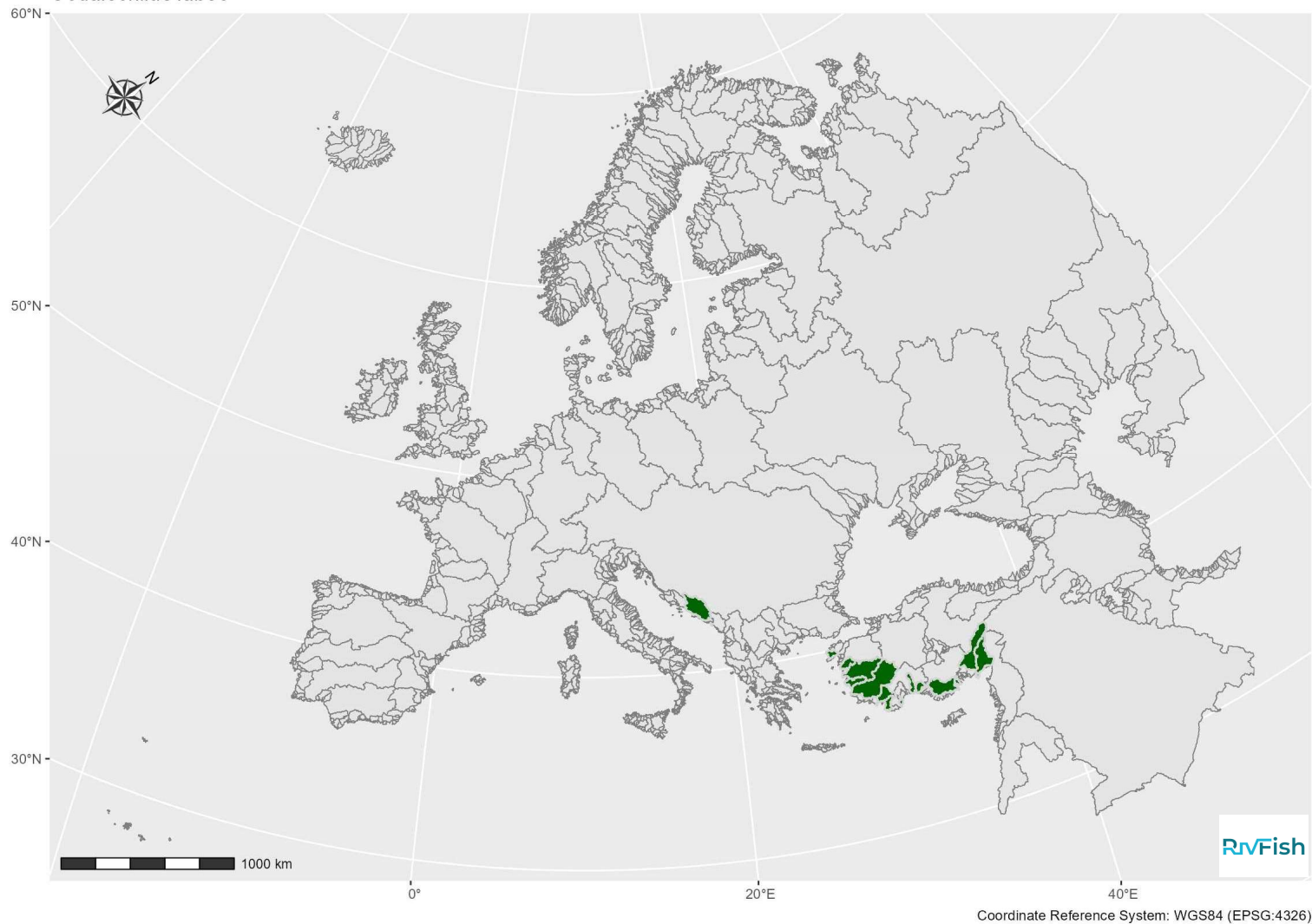
Neogobius pallasii



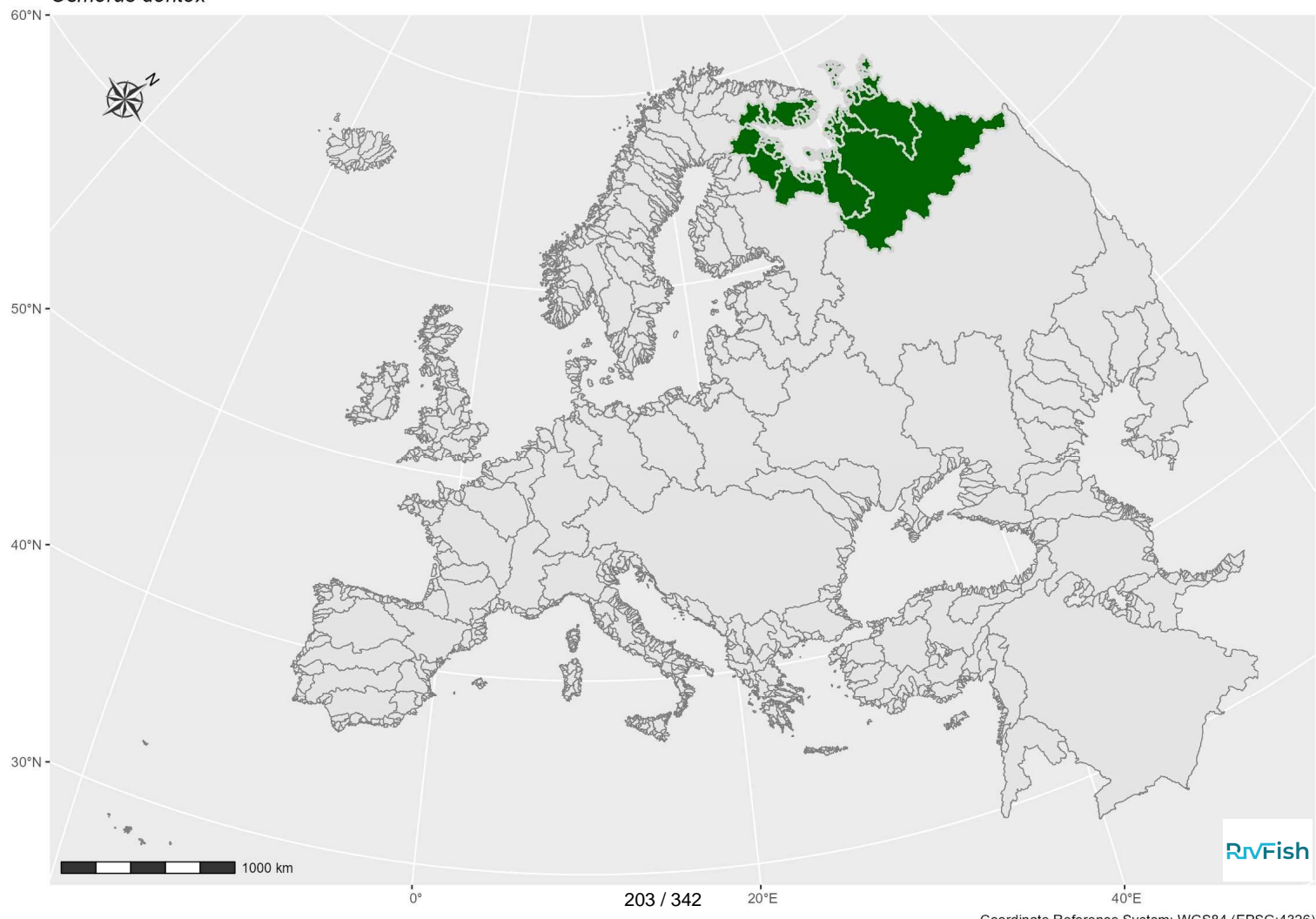
Ninnigobius canestrinii



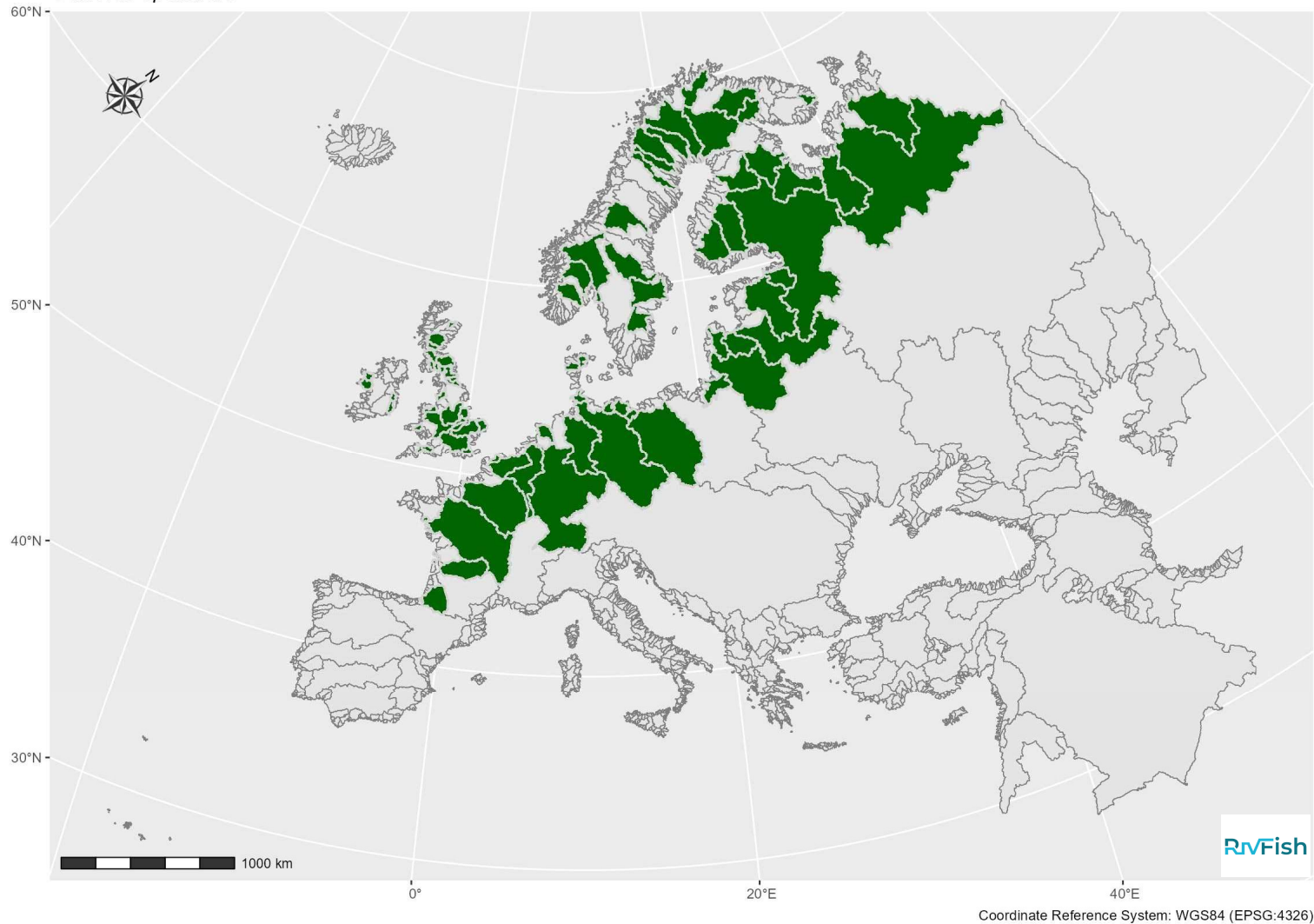
Oedalechilus labeo



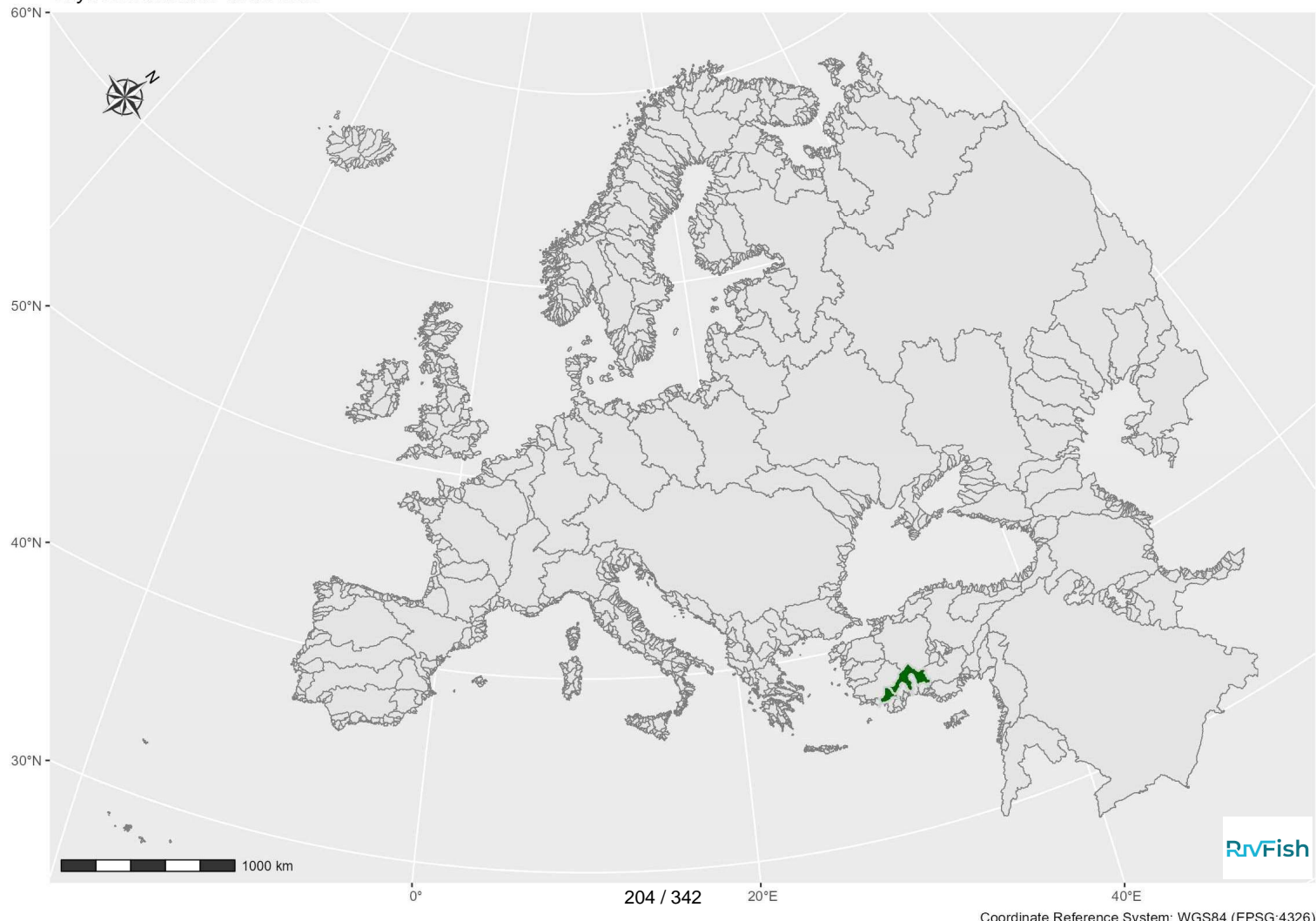
Osmerus dentex



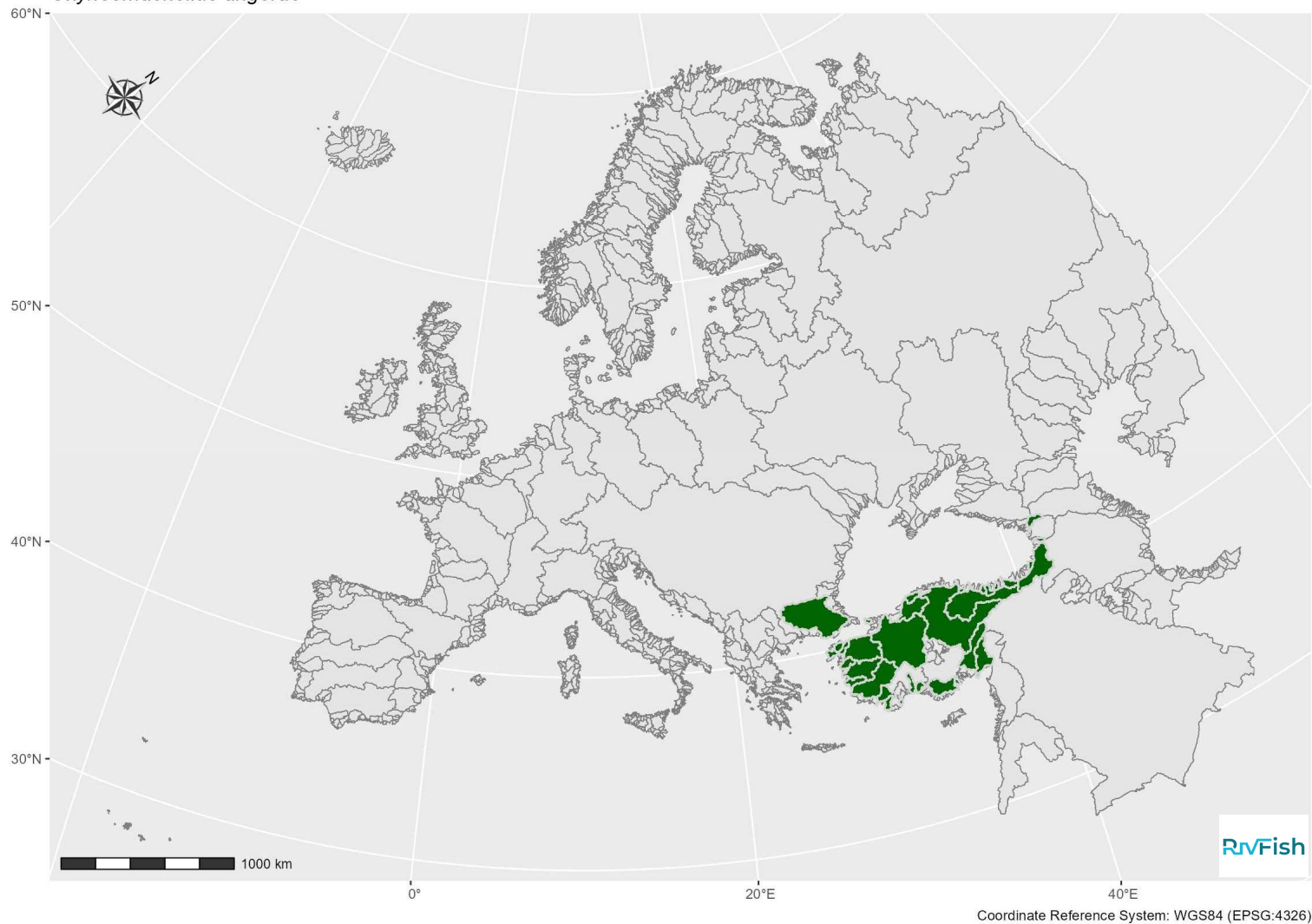
Osmerus eperlanus



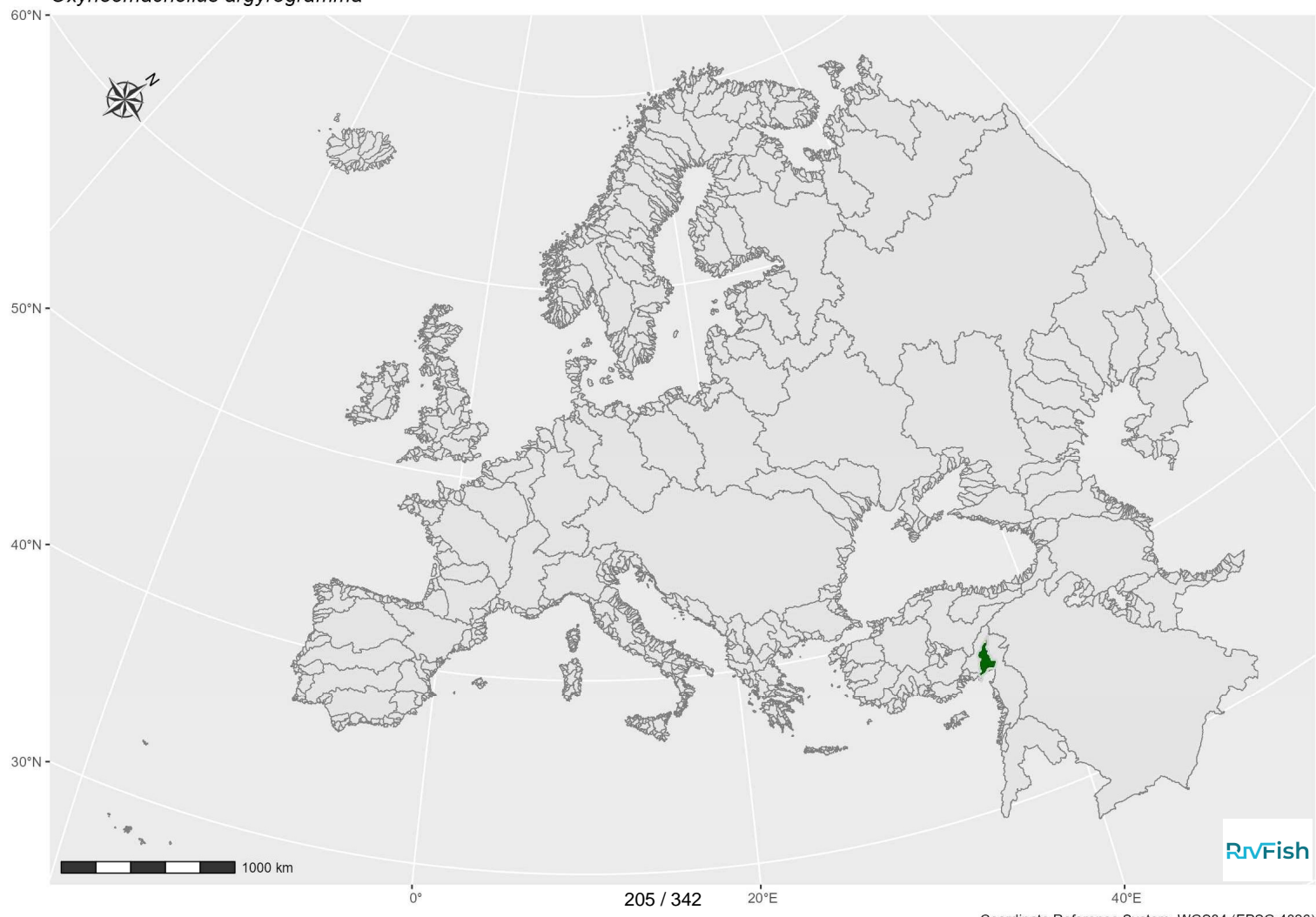
Oxynoemacheilus anatolicus



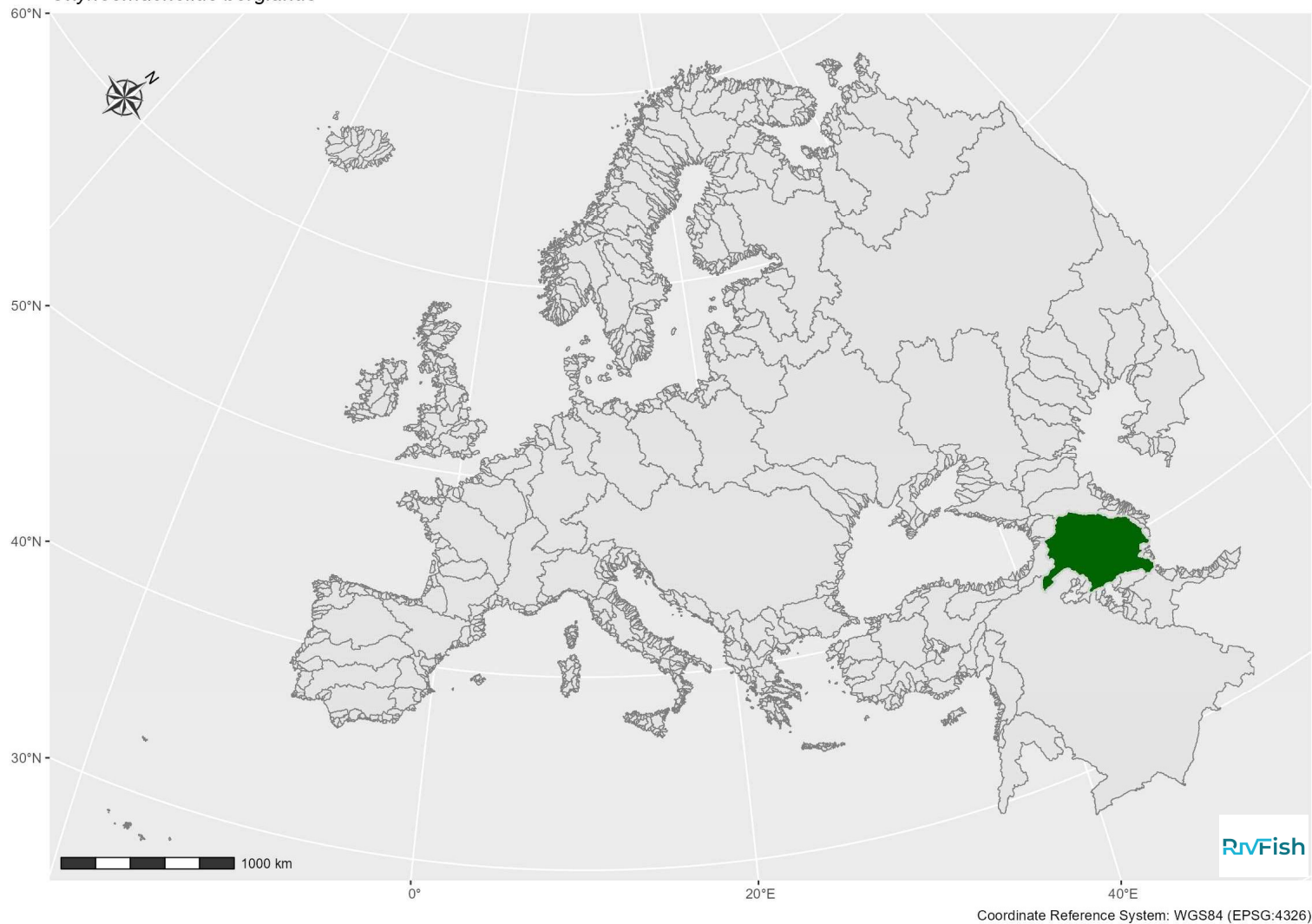
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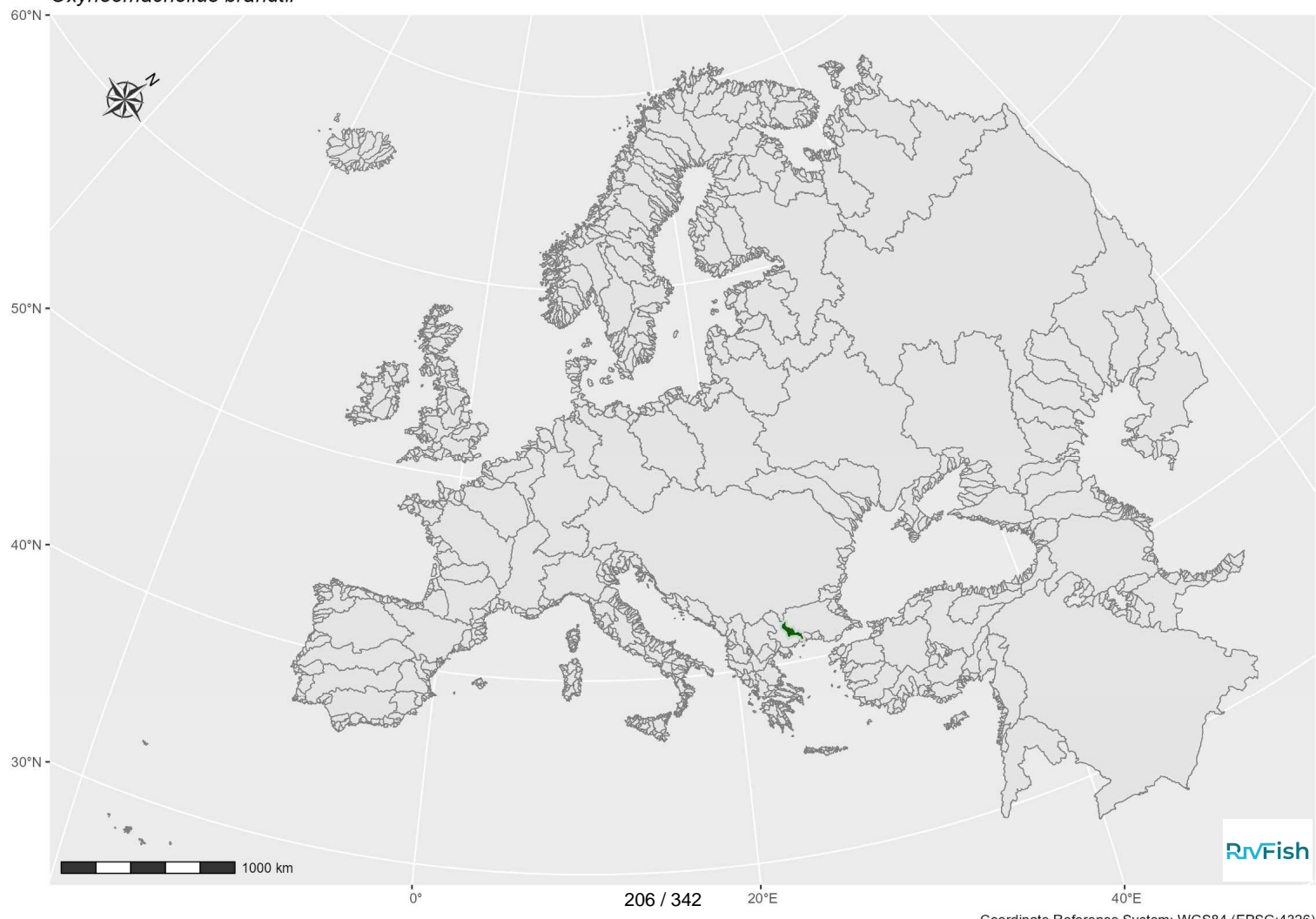
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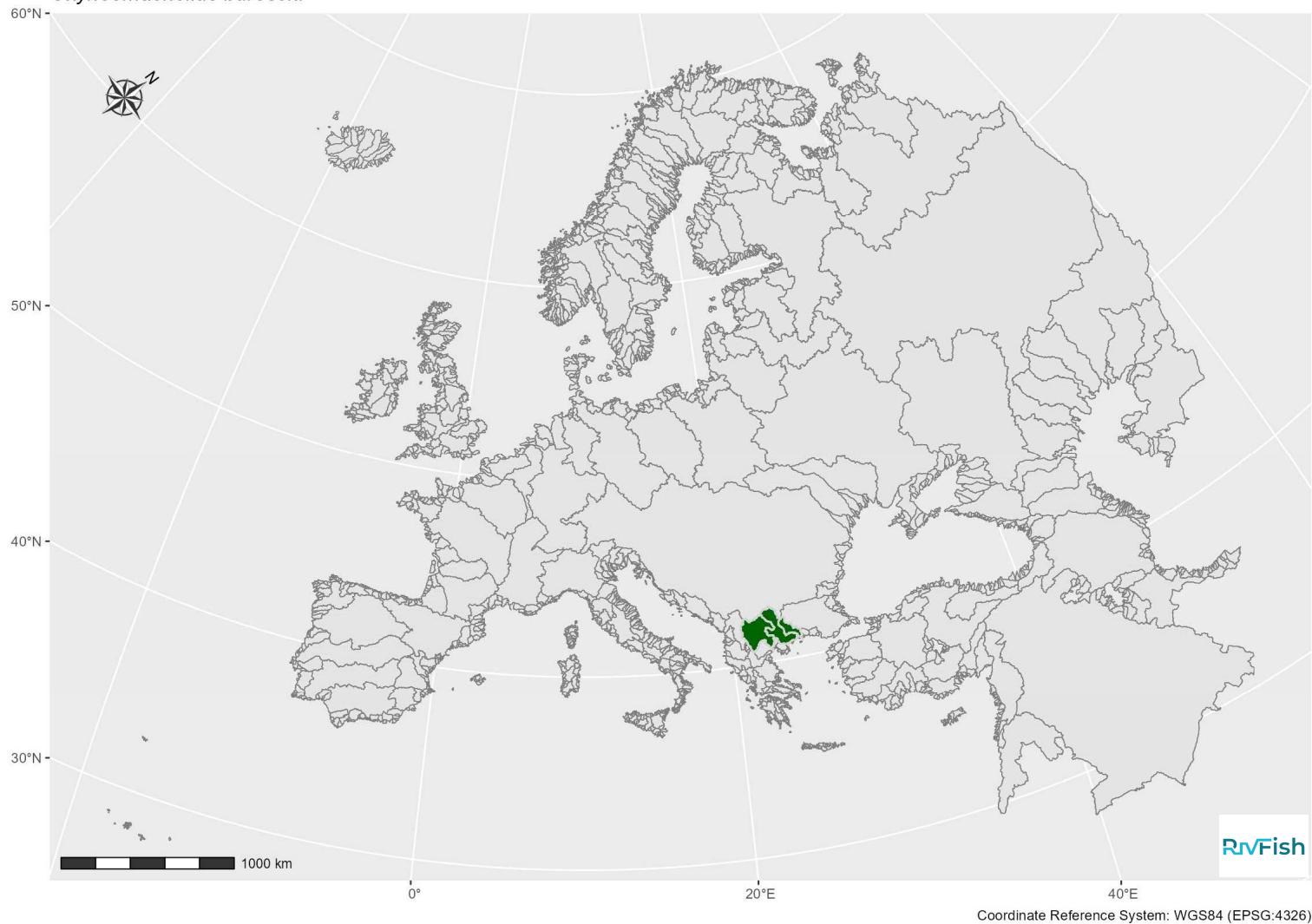
Oxynoemacheilus bergianus



Oxynoemacheilus brandtii



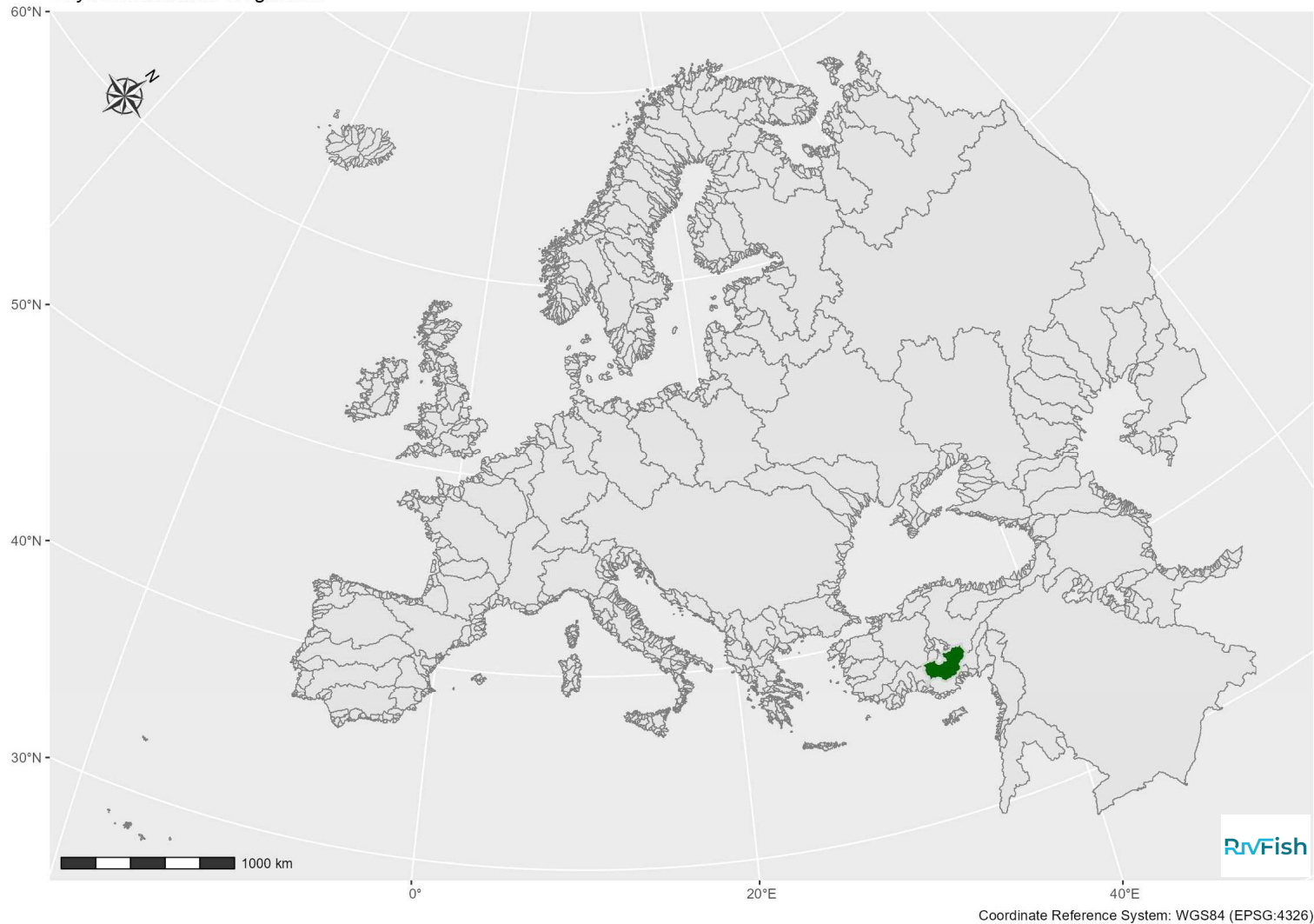
Oxynoemacheilus bureschi



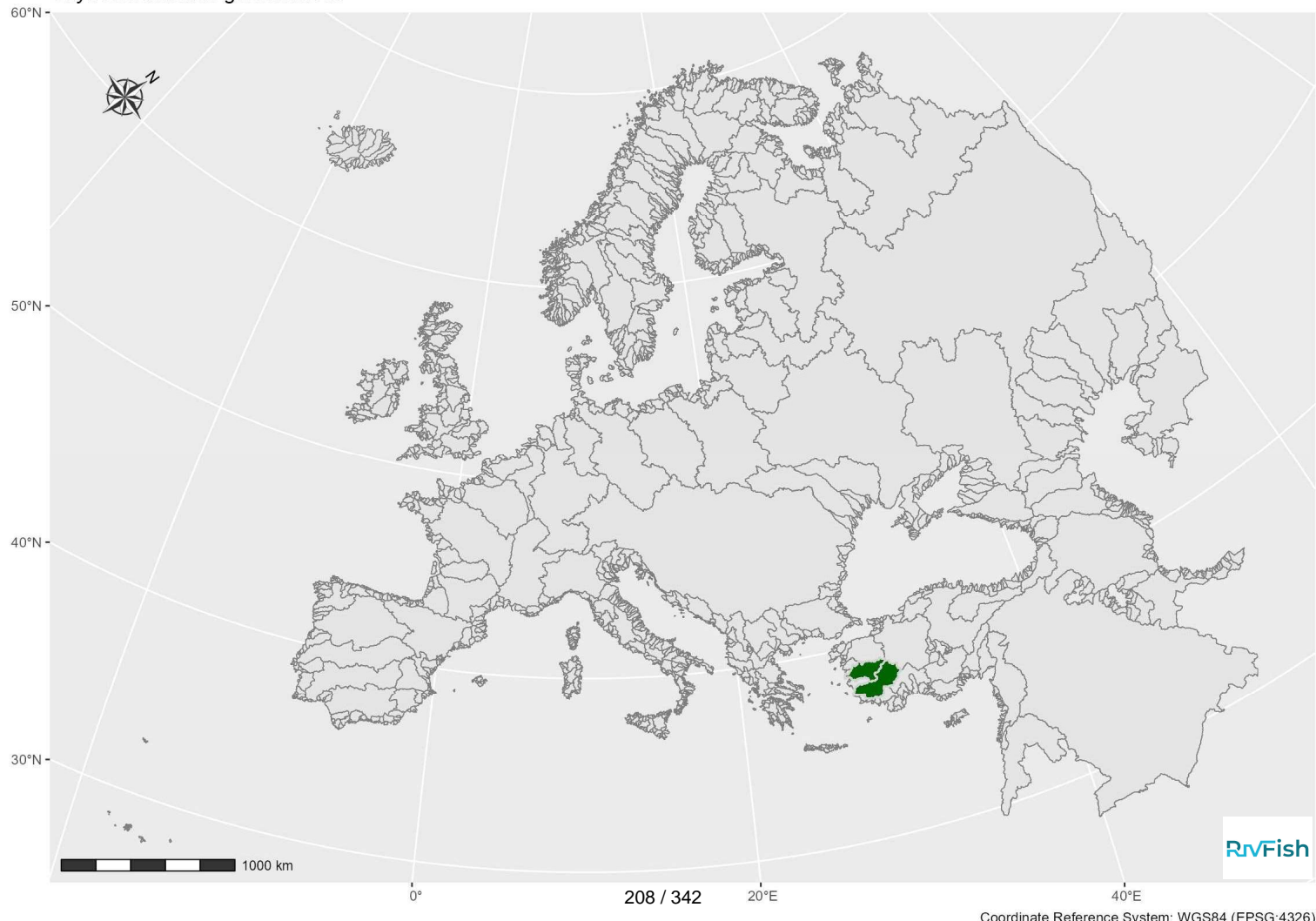
Oxynoemacheilus ceyhanensis



Oxynoemacheilus eregliensis



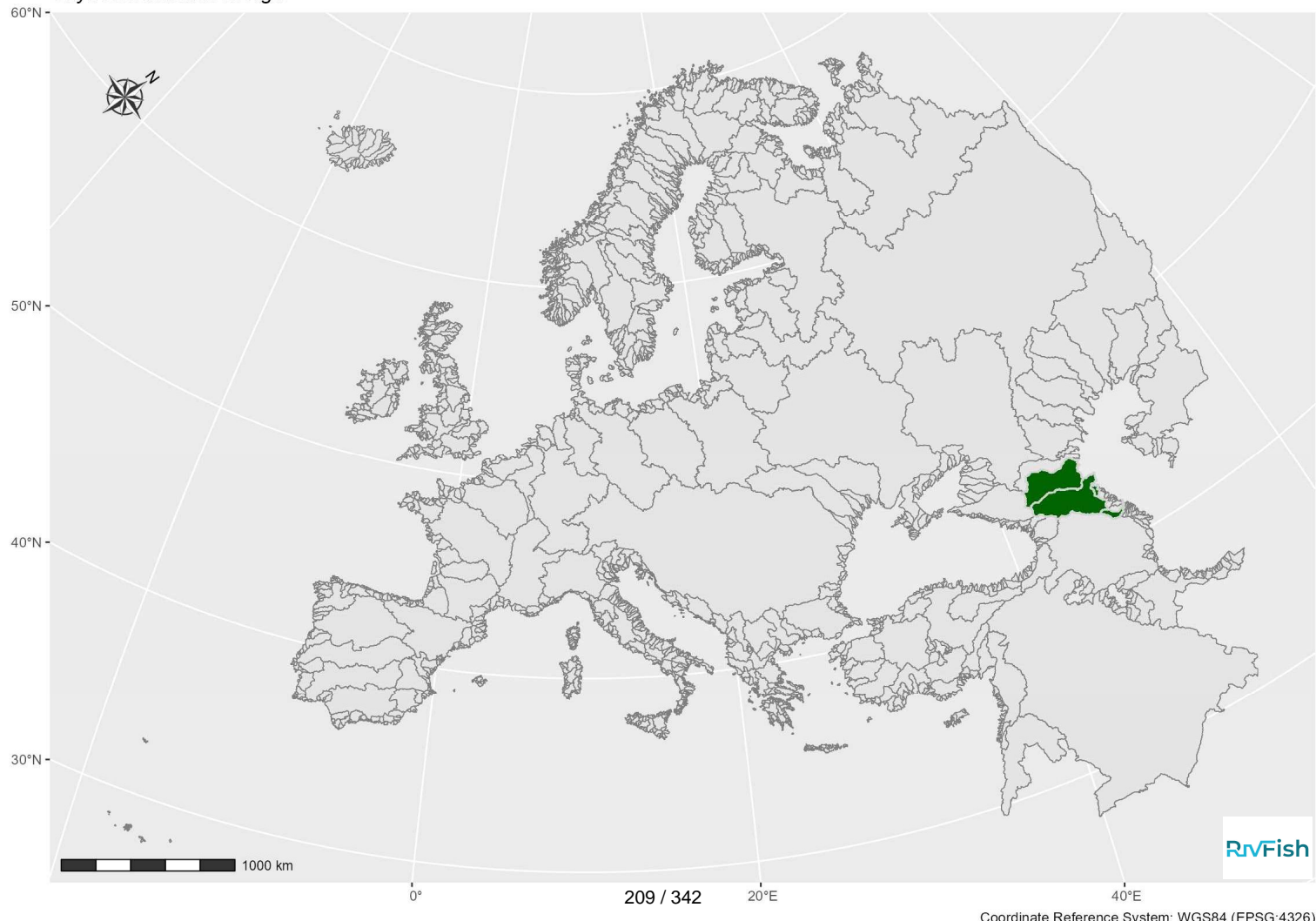
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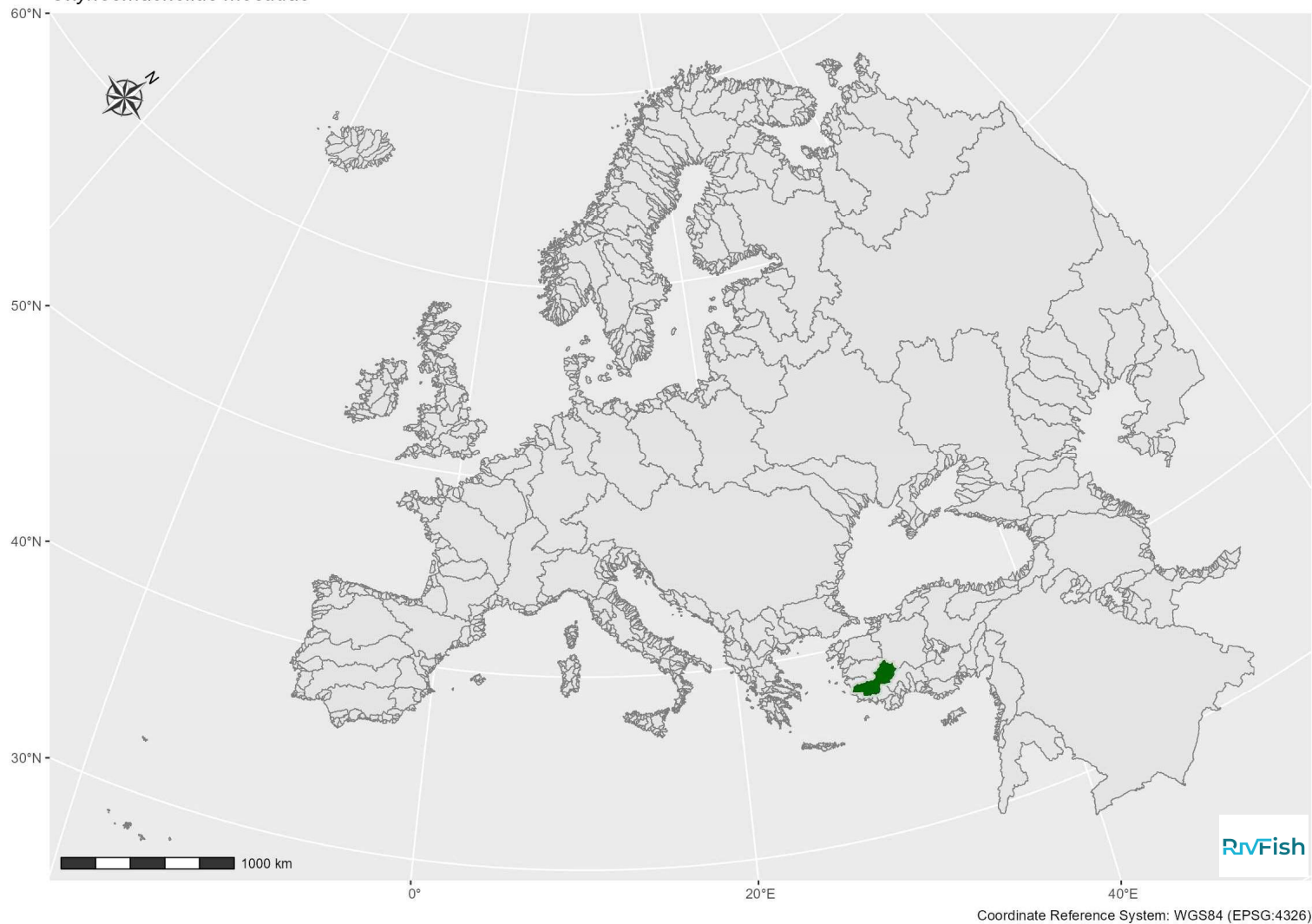
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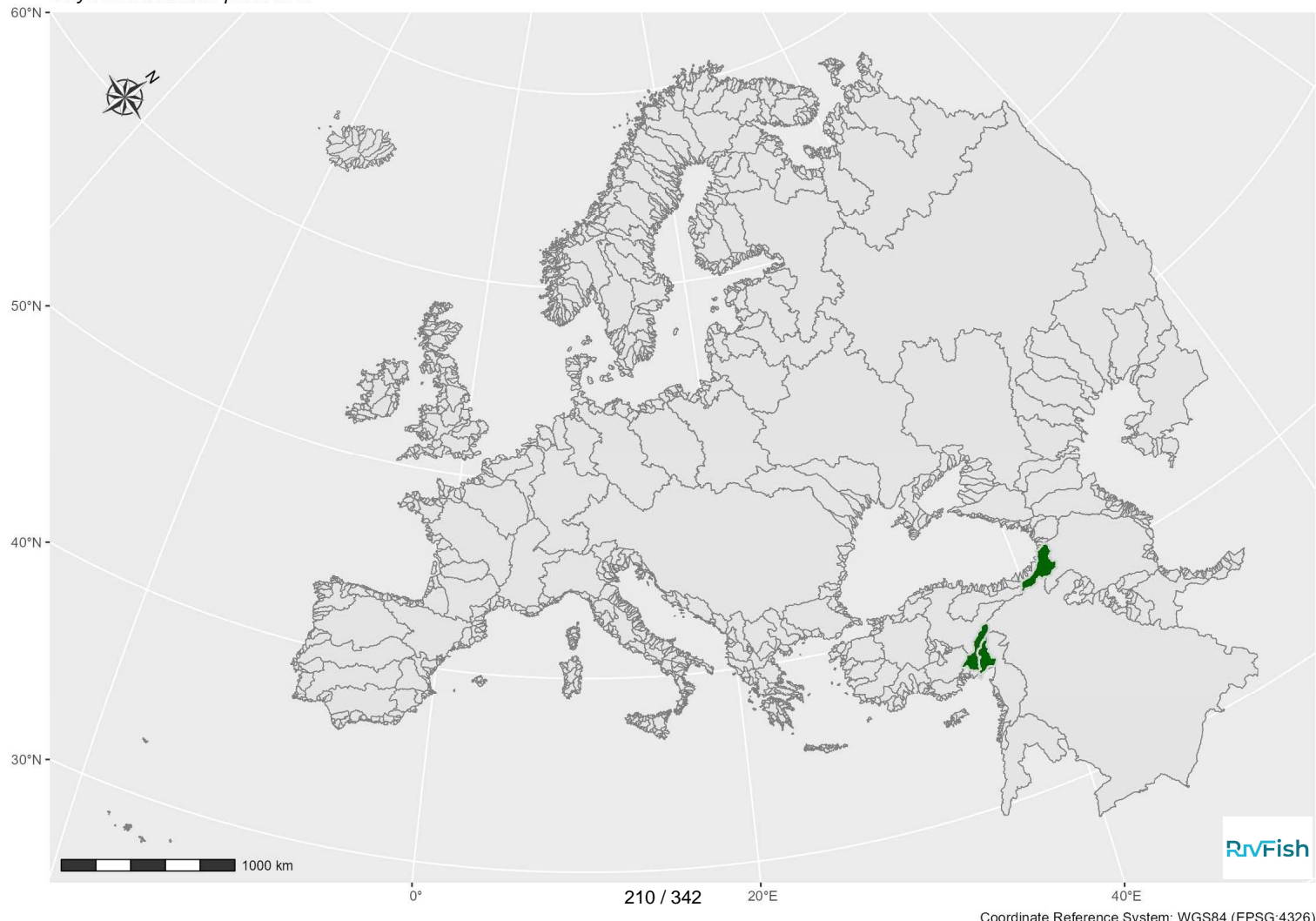
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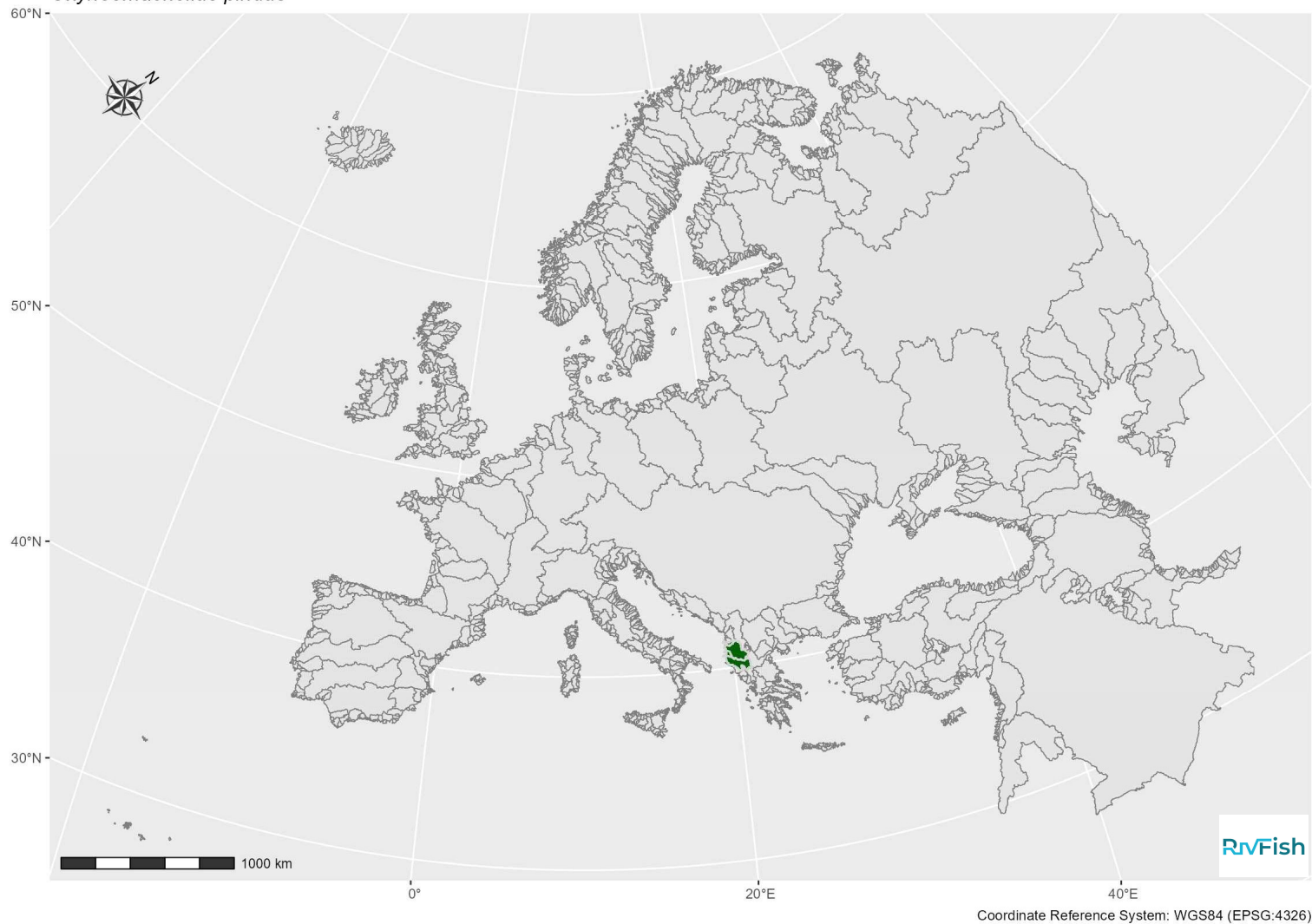
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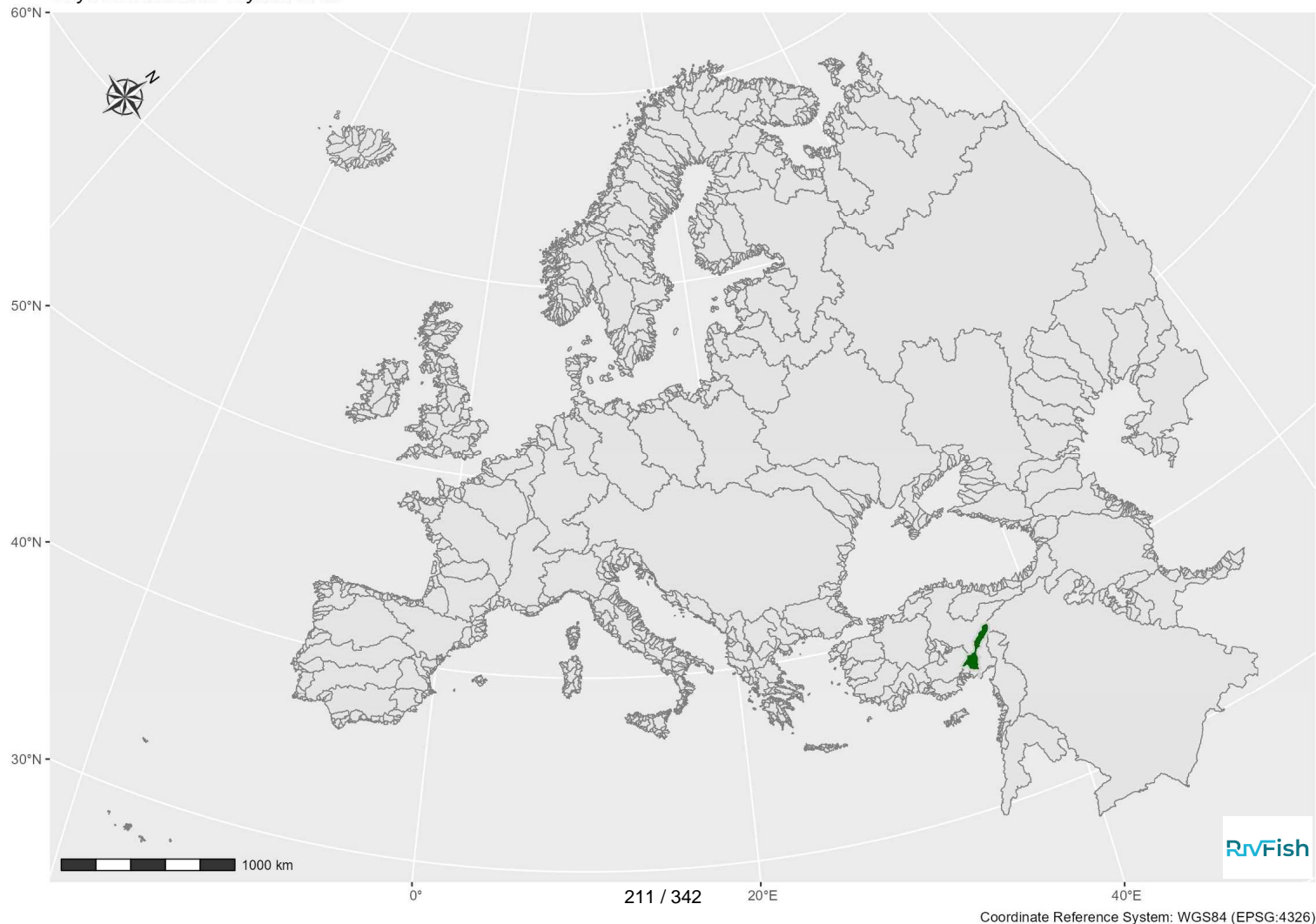
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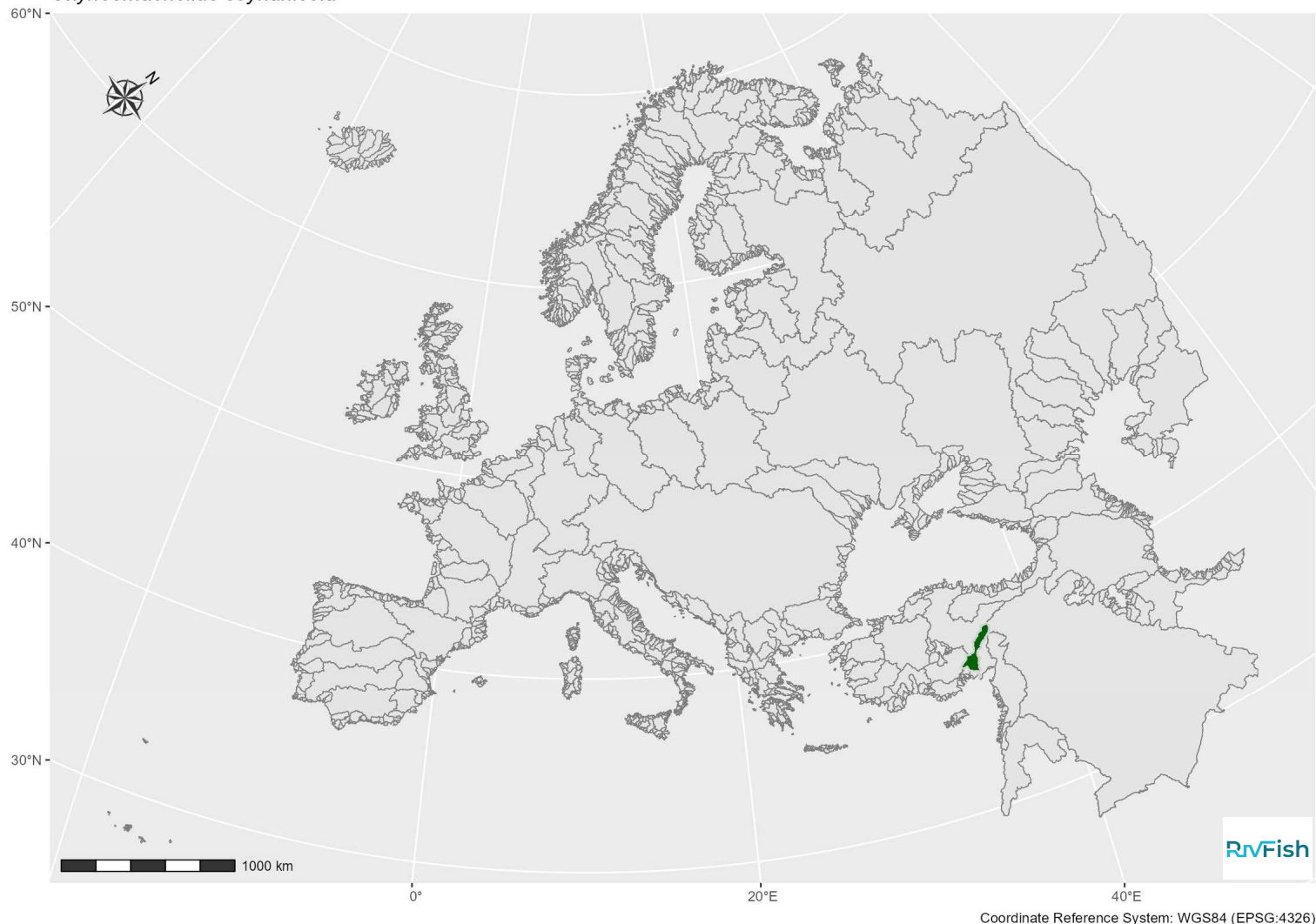
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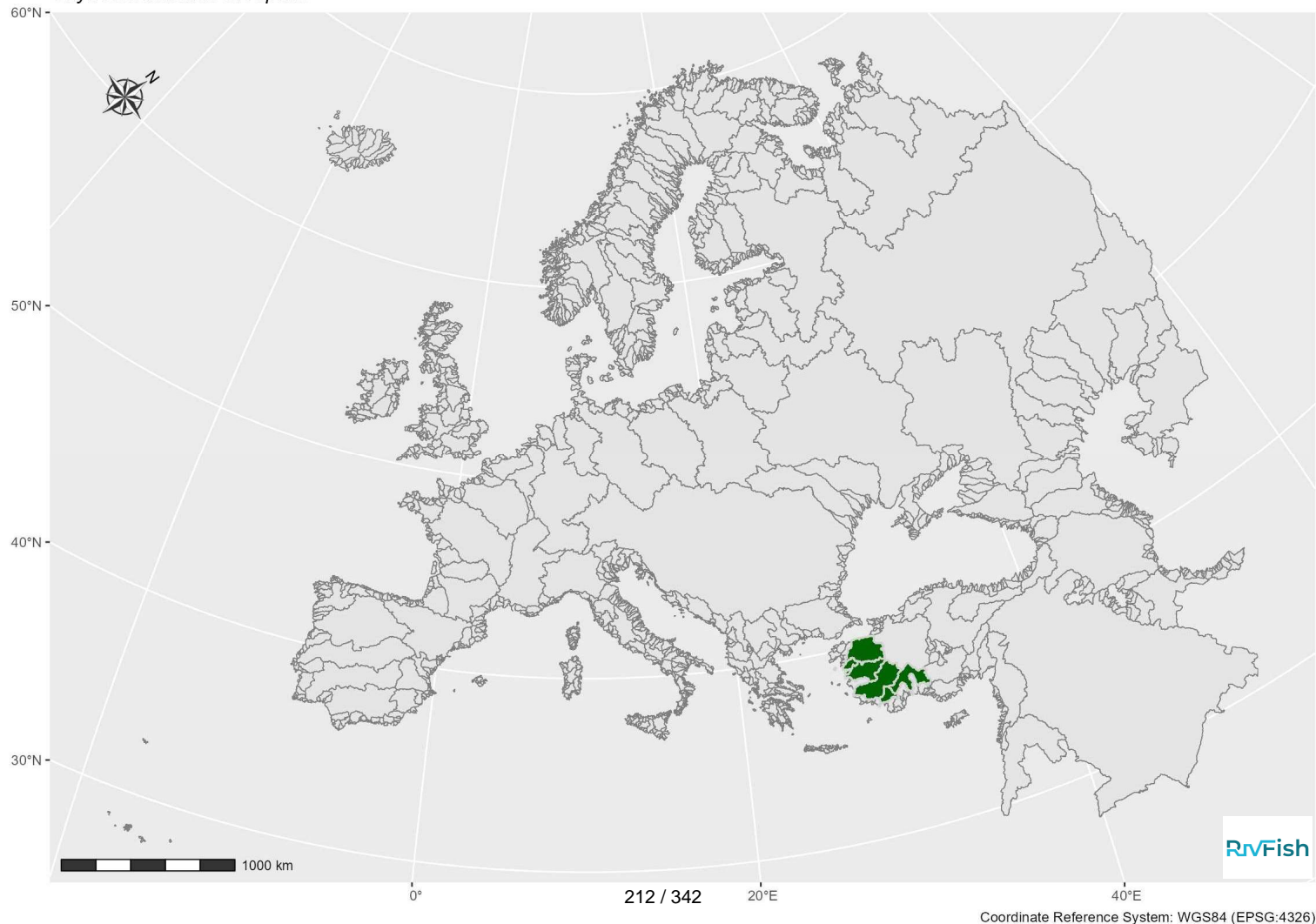
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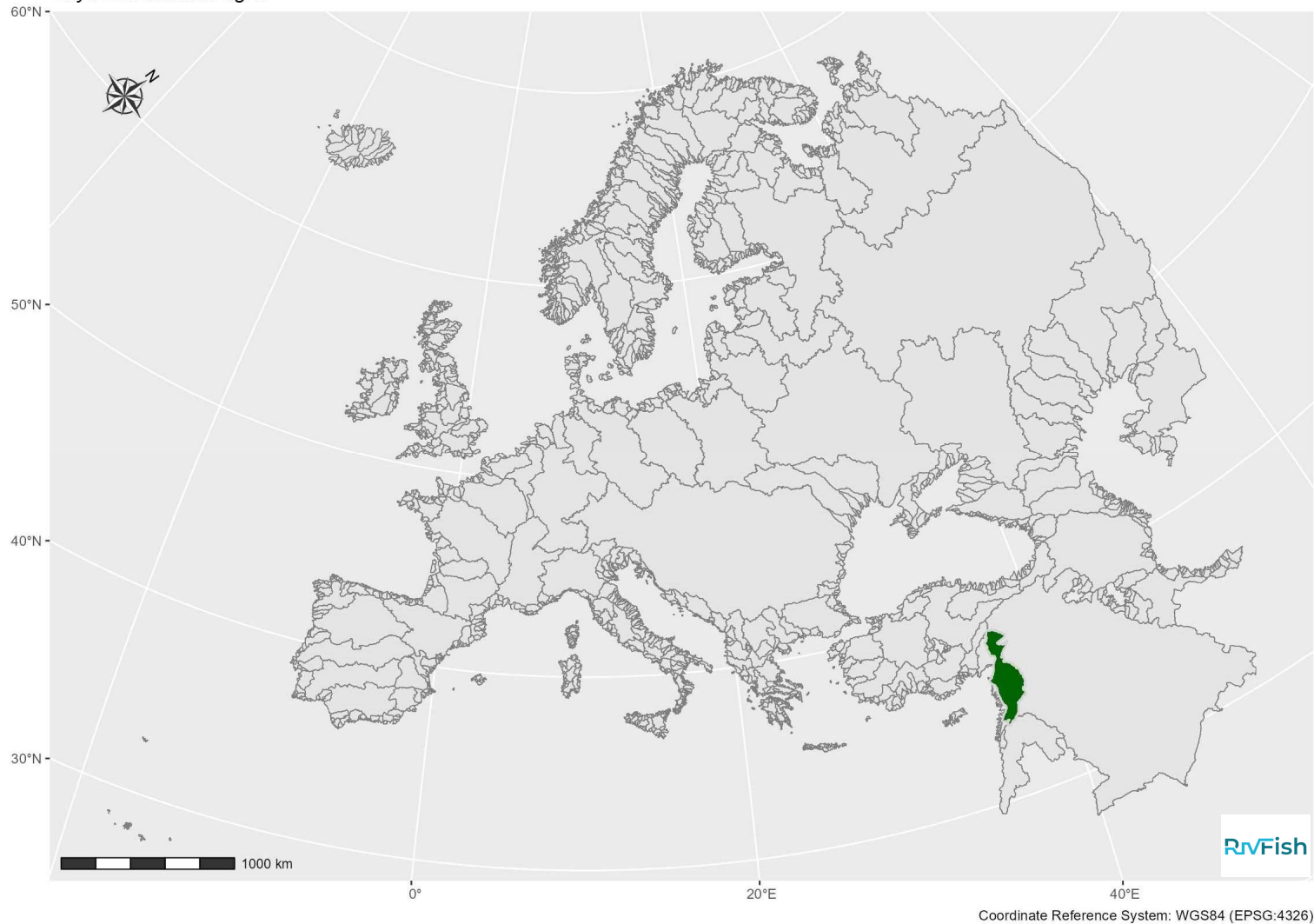
Oxynoemacheilus seyhanicola



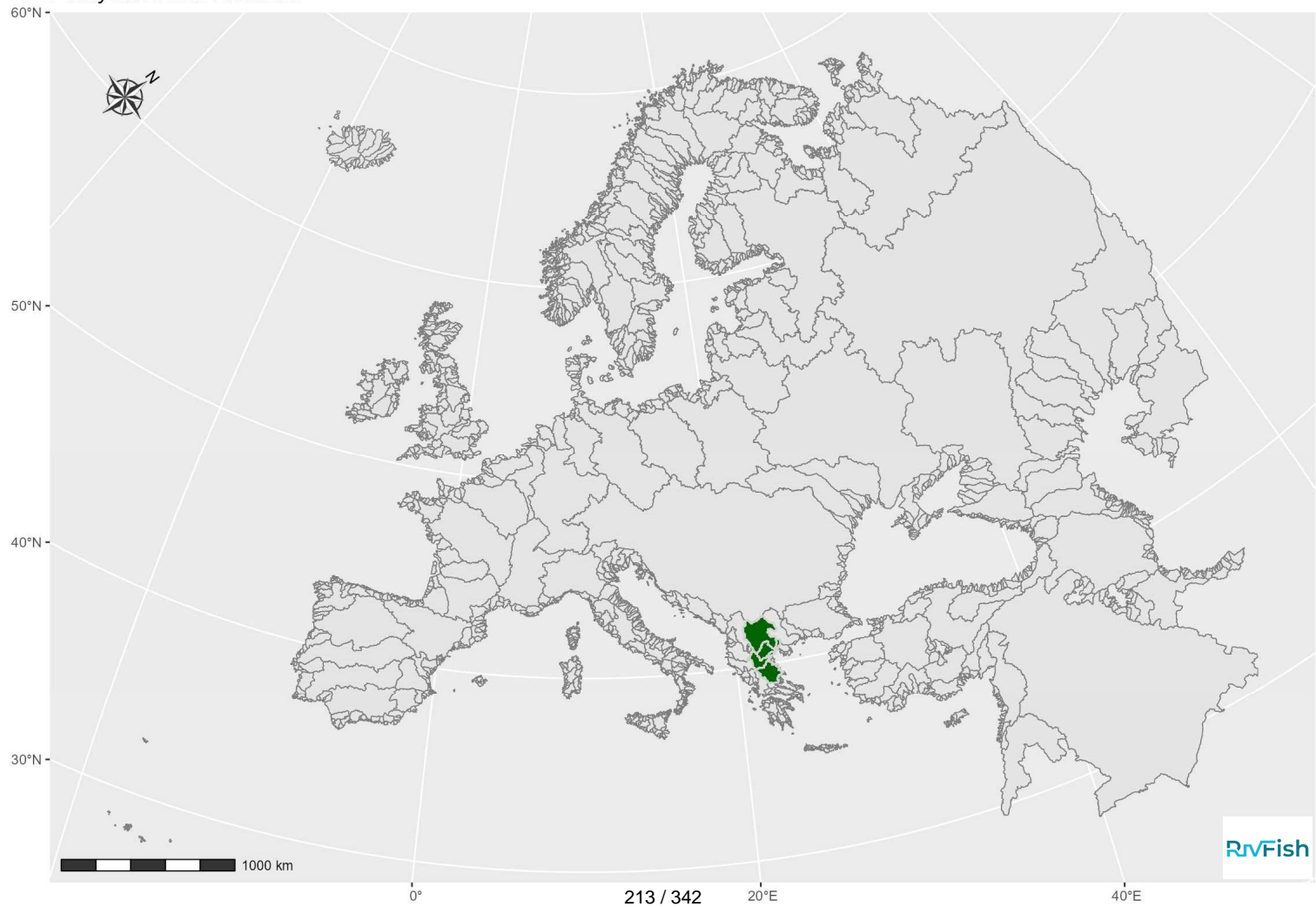
Oxynoemacheilus theophilii



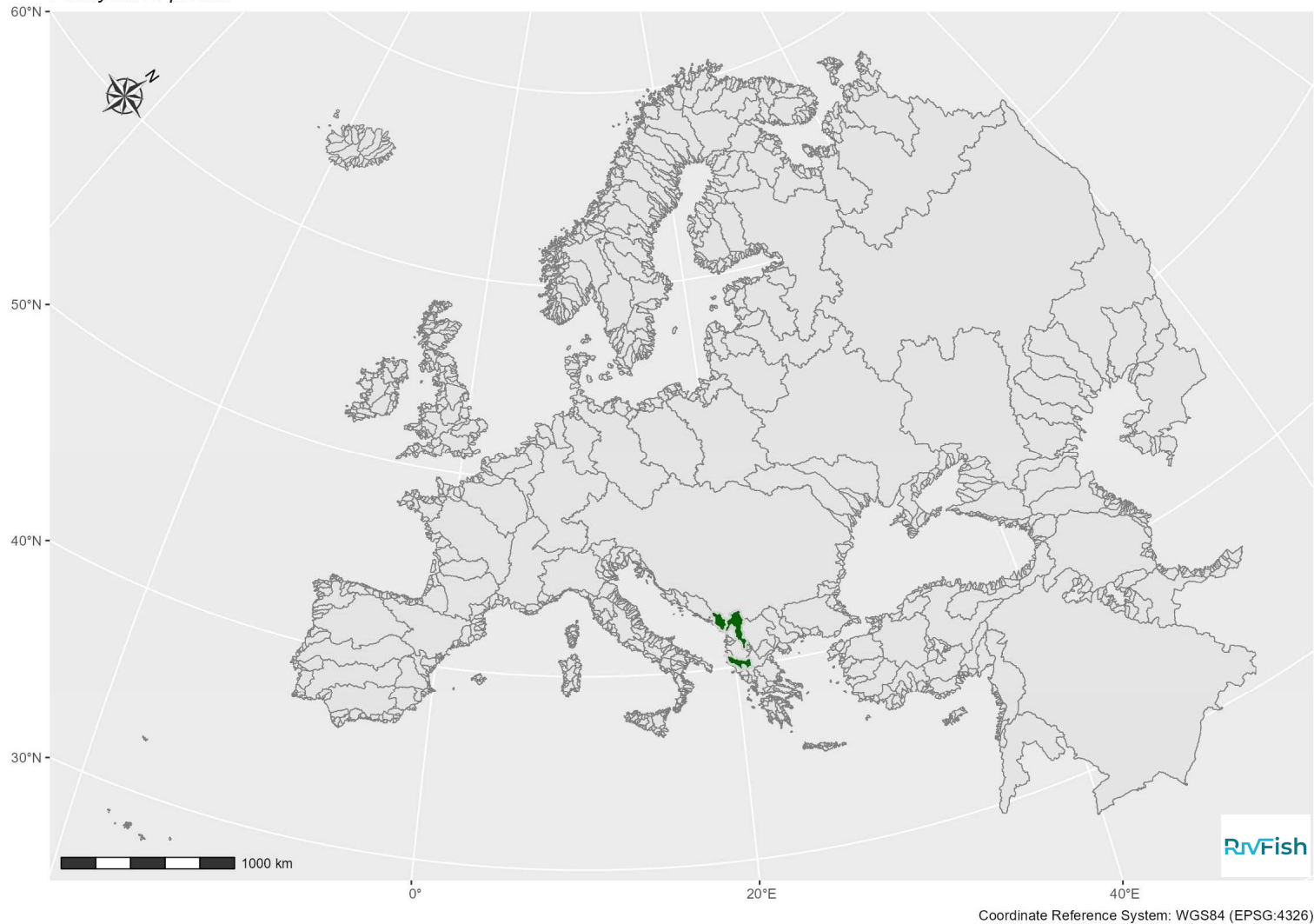
Oxynoemacheilus tigris



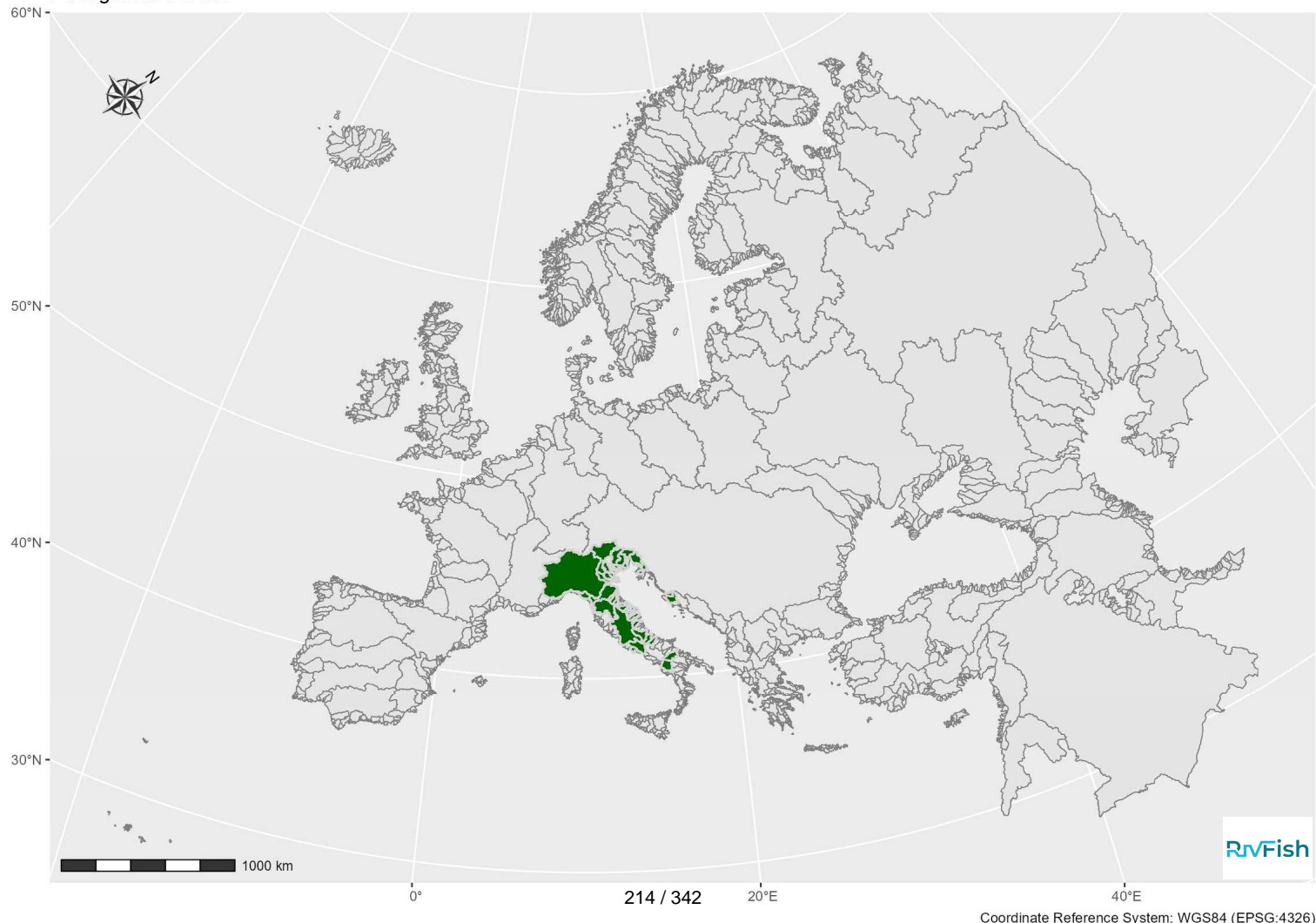
Pachychilon macedonicum



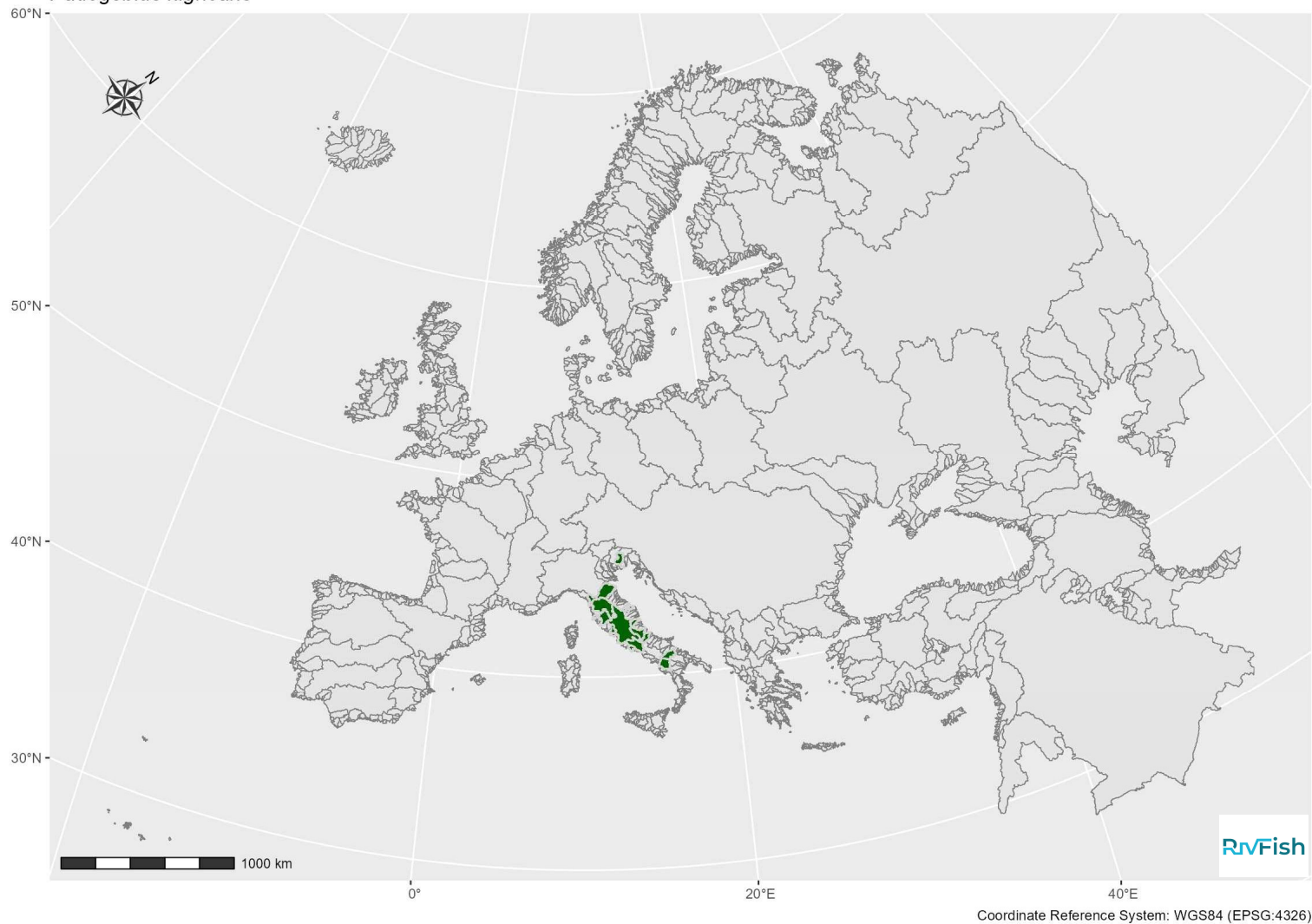
Pachychilon pictum



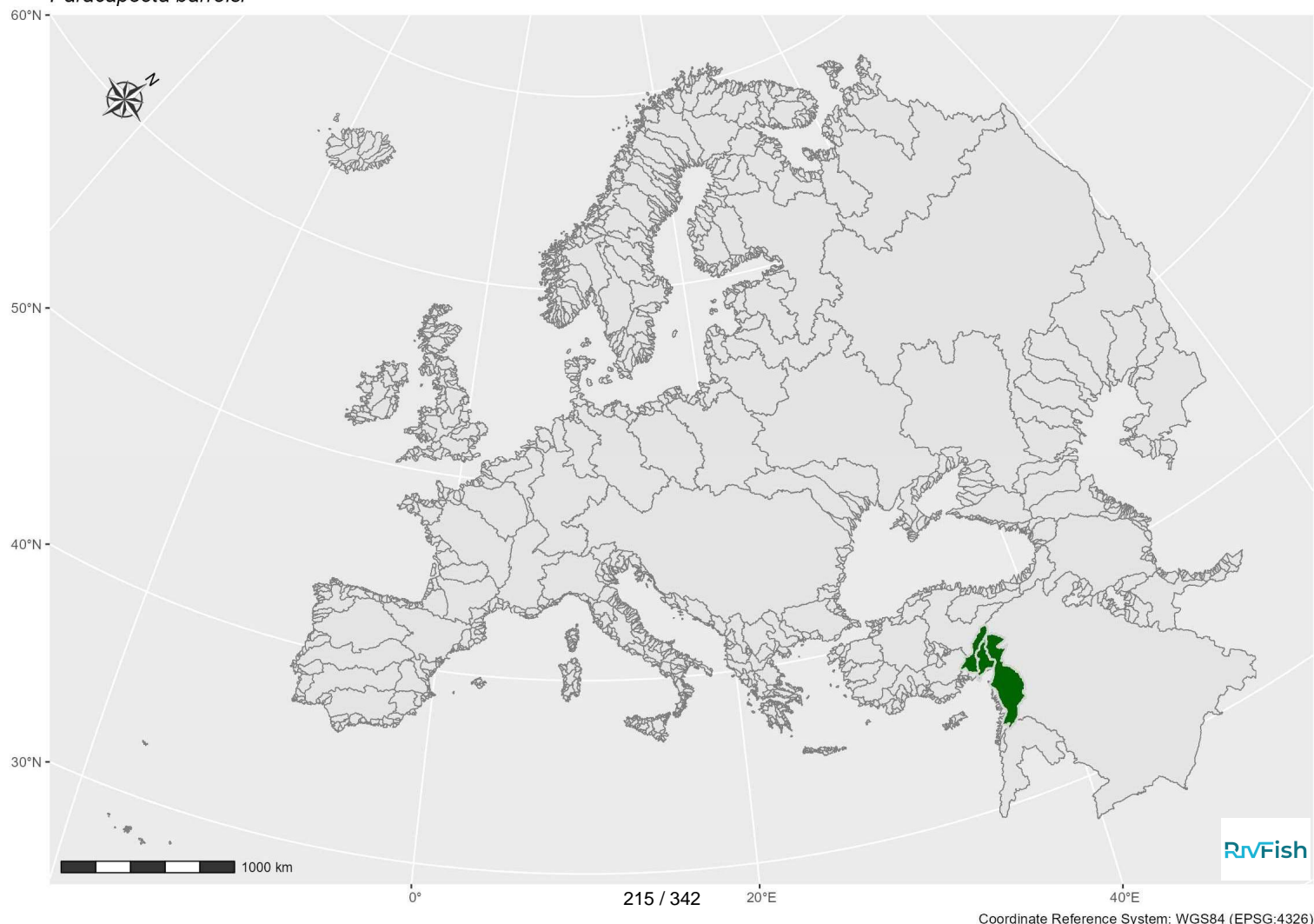
Padogobius bonelli



Padogobius nigricans



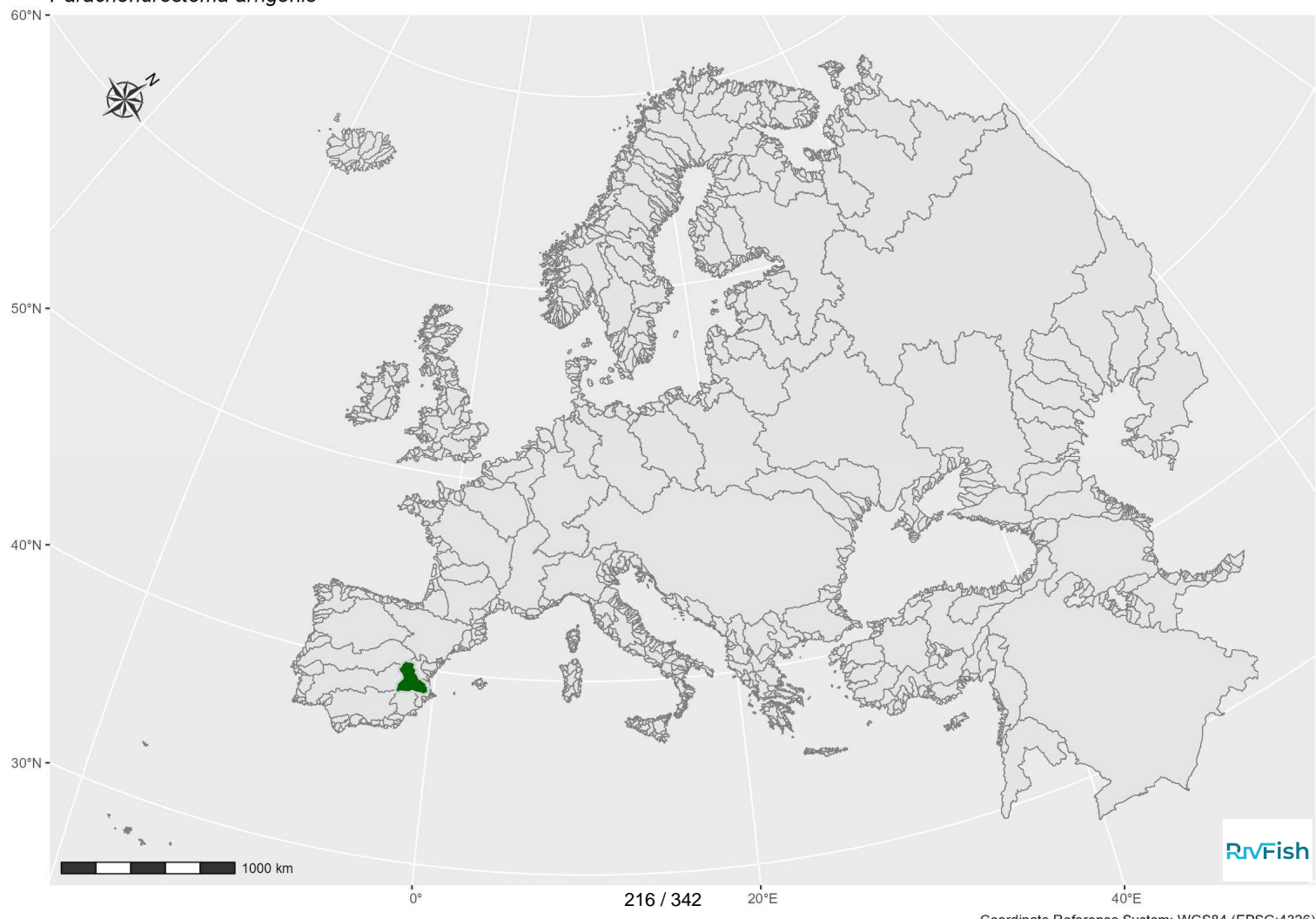
Paracapoeta barroisi



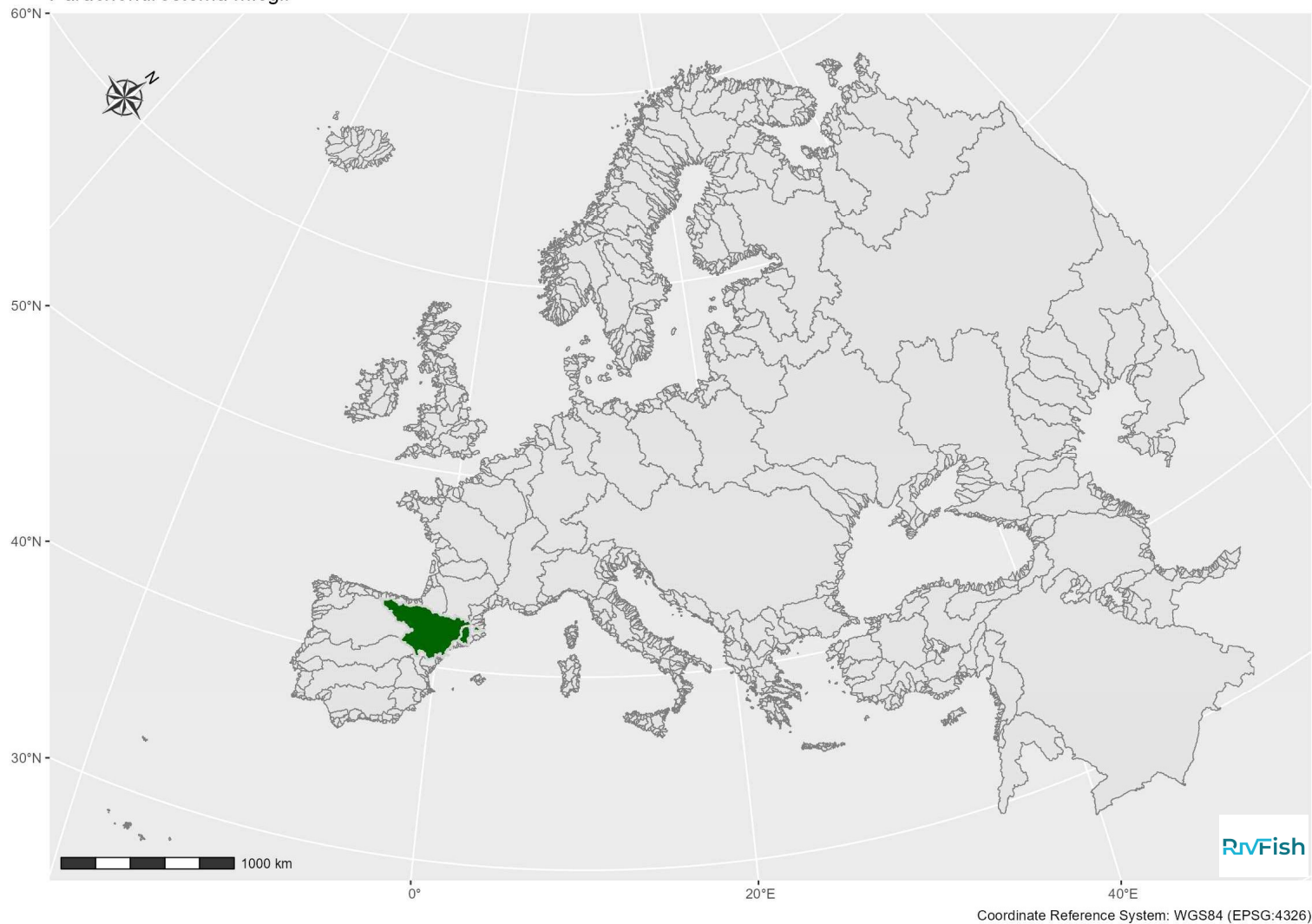
Paracapoeta erhani



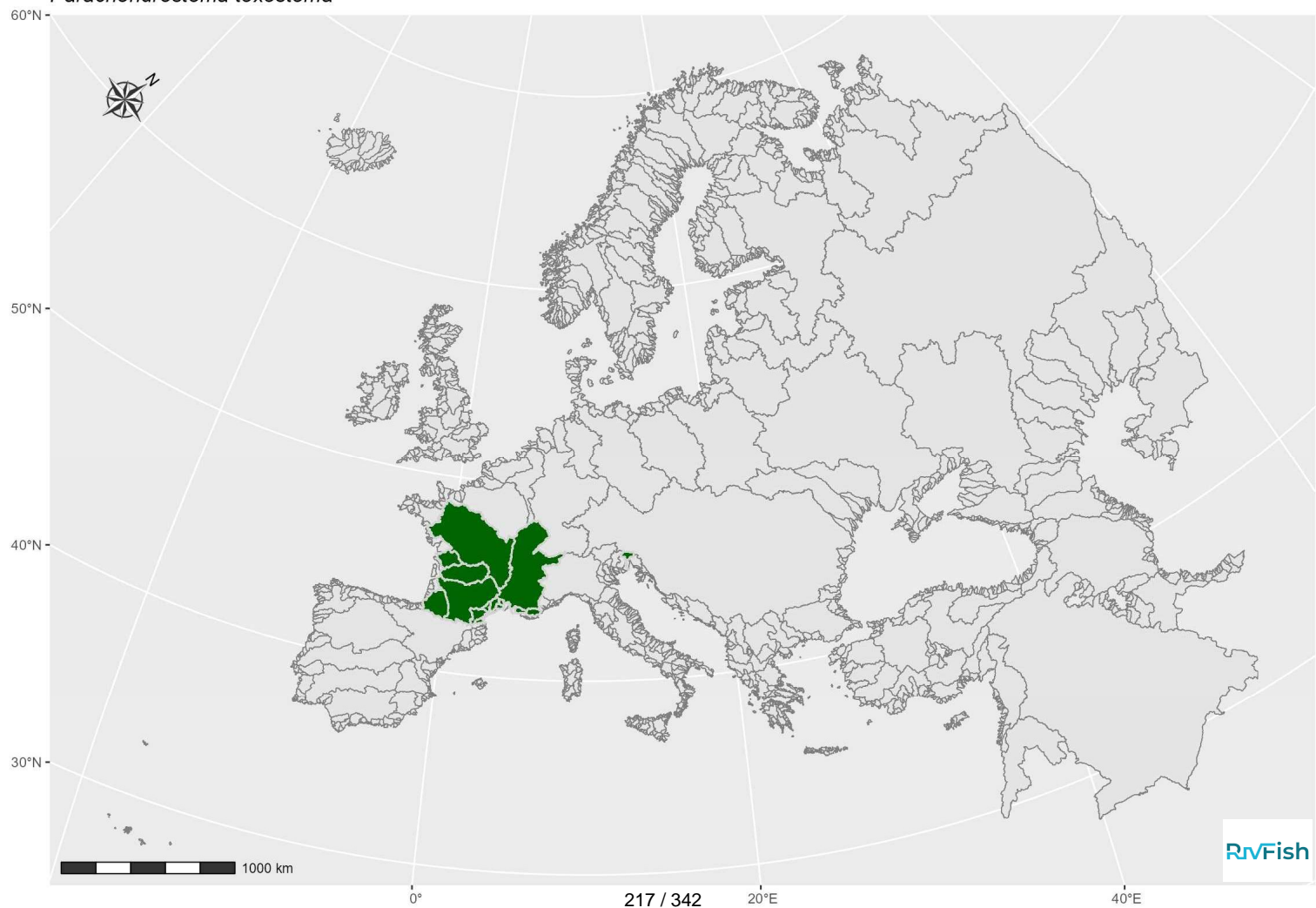
Parachondrostoma arrigonis



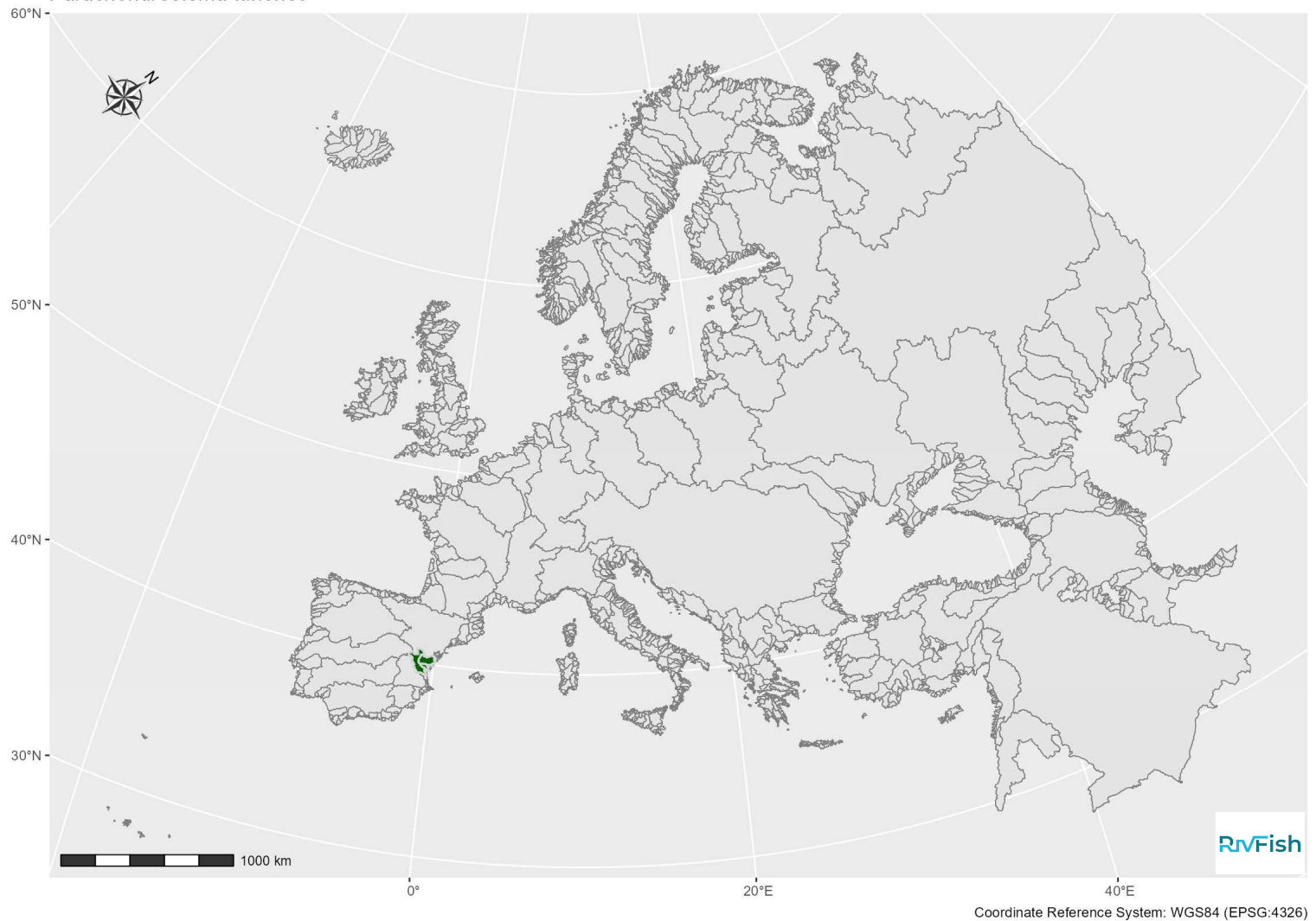
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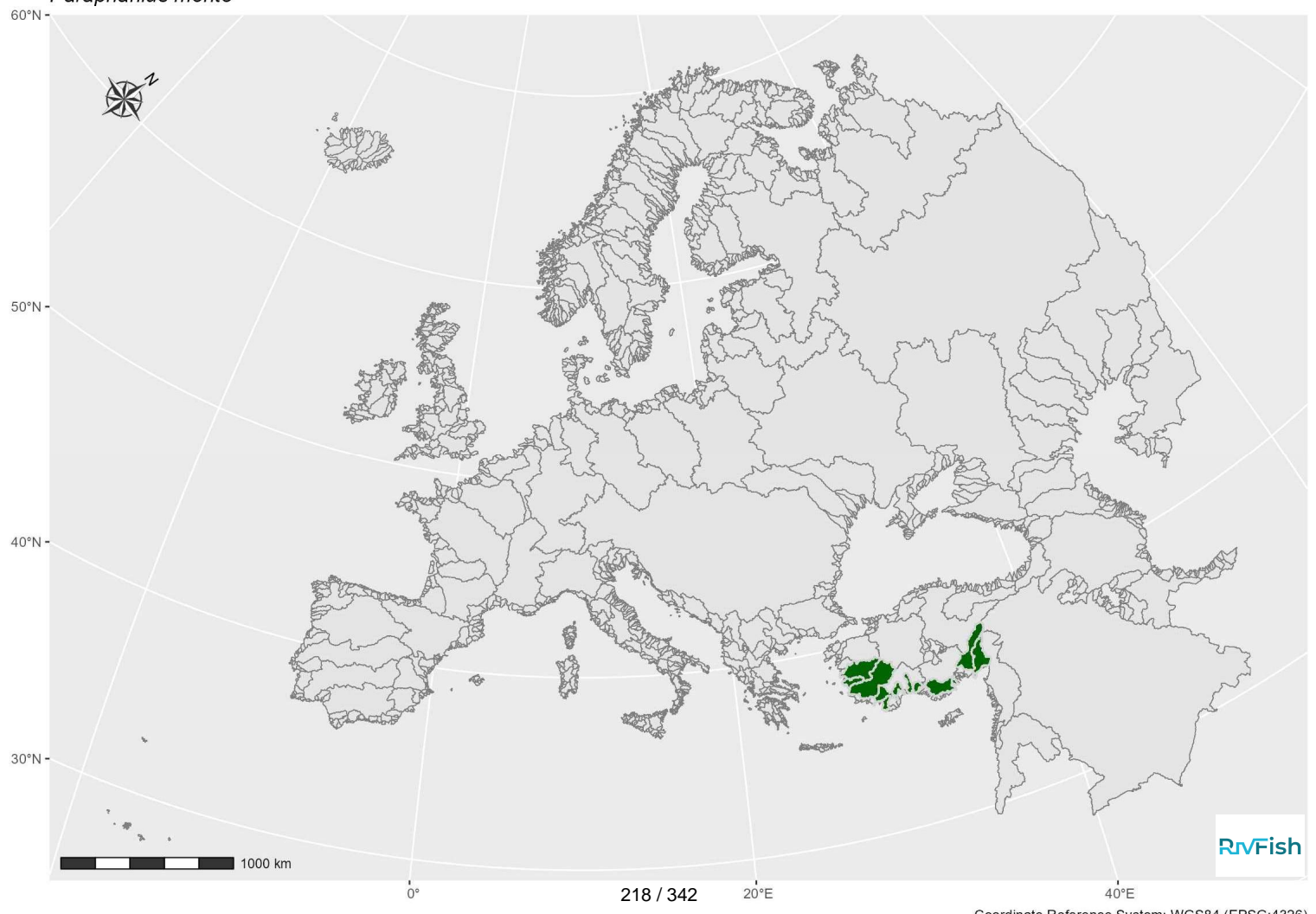
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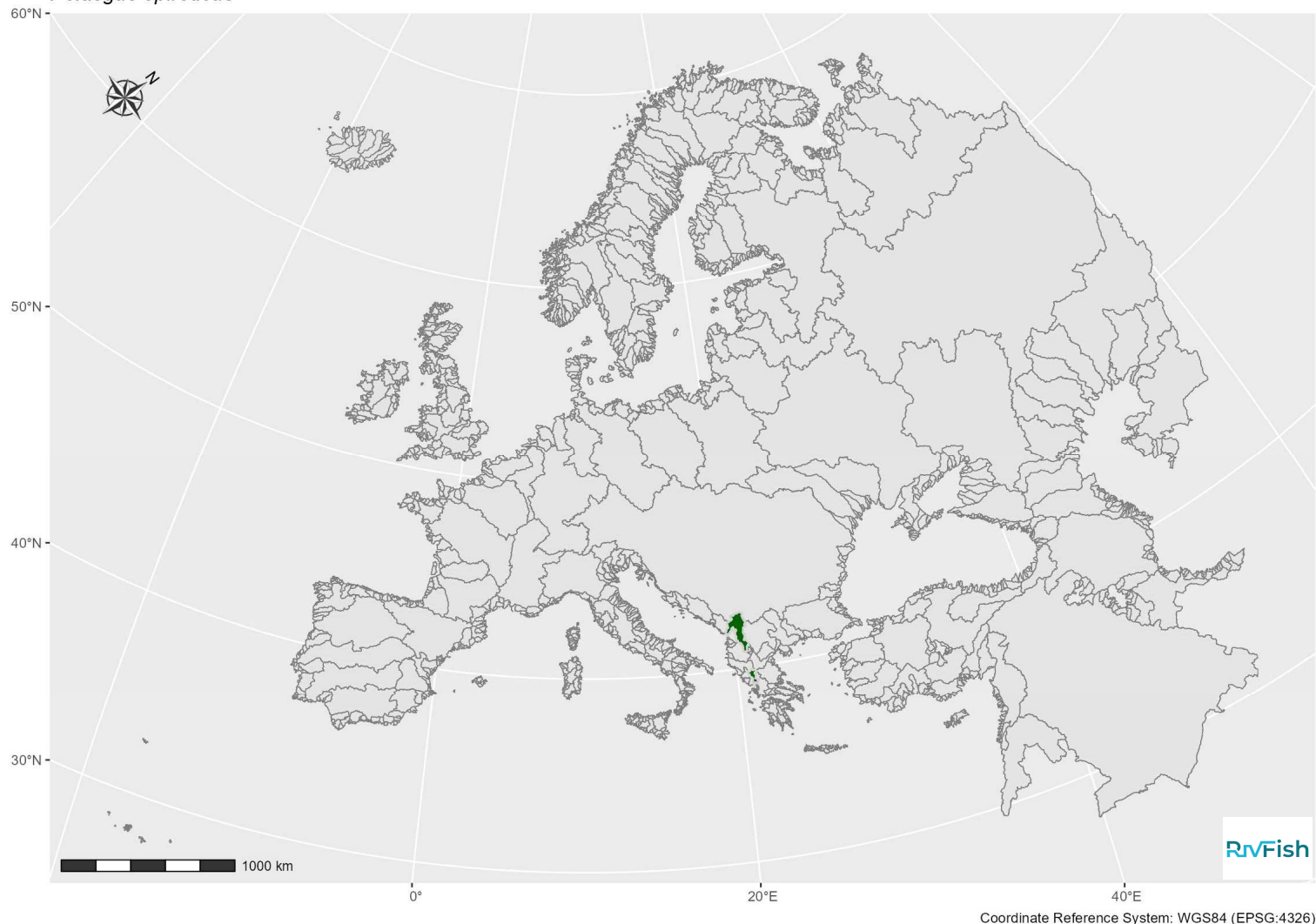
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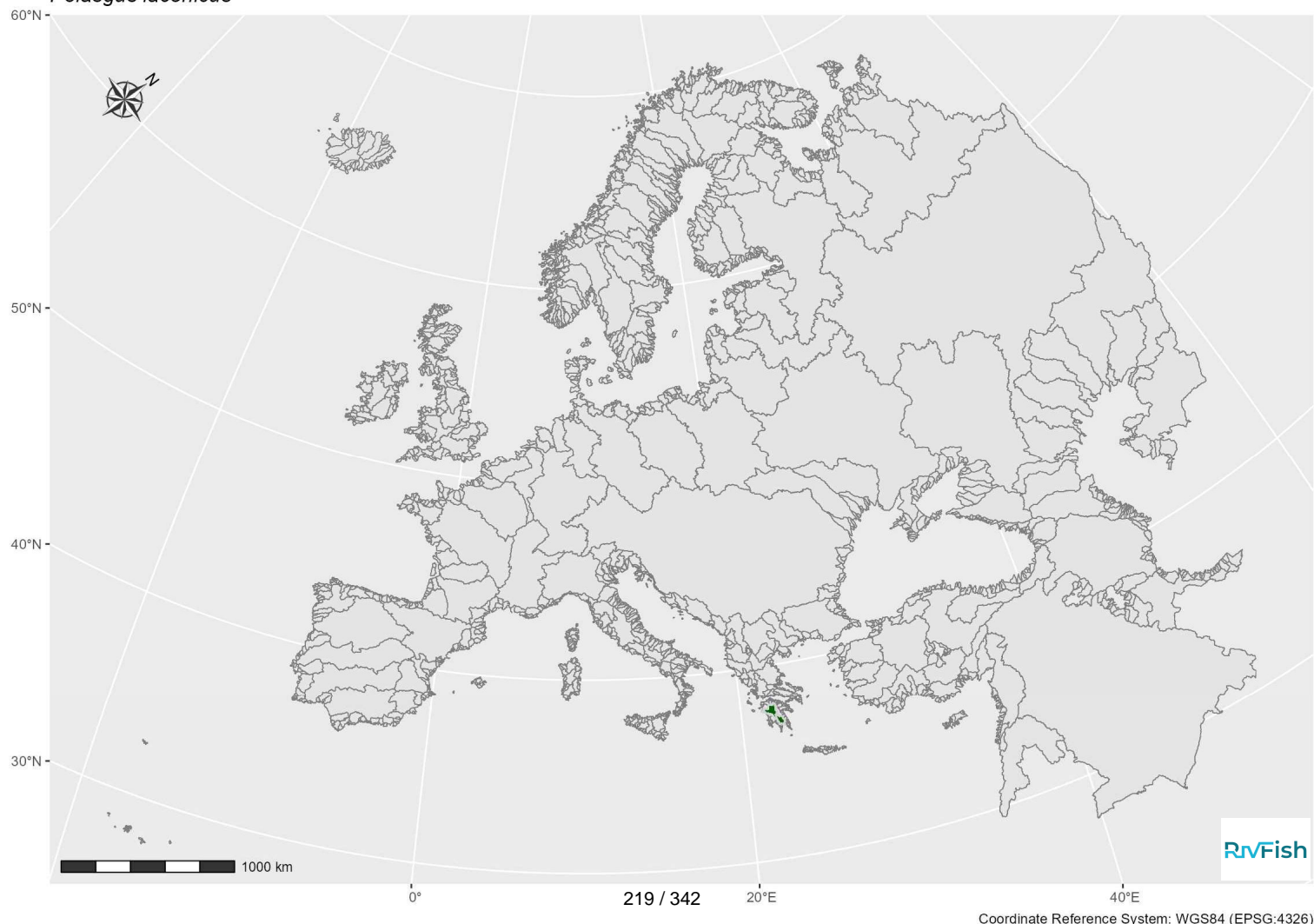
Paraphanius mento



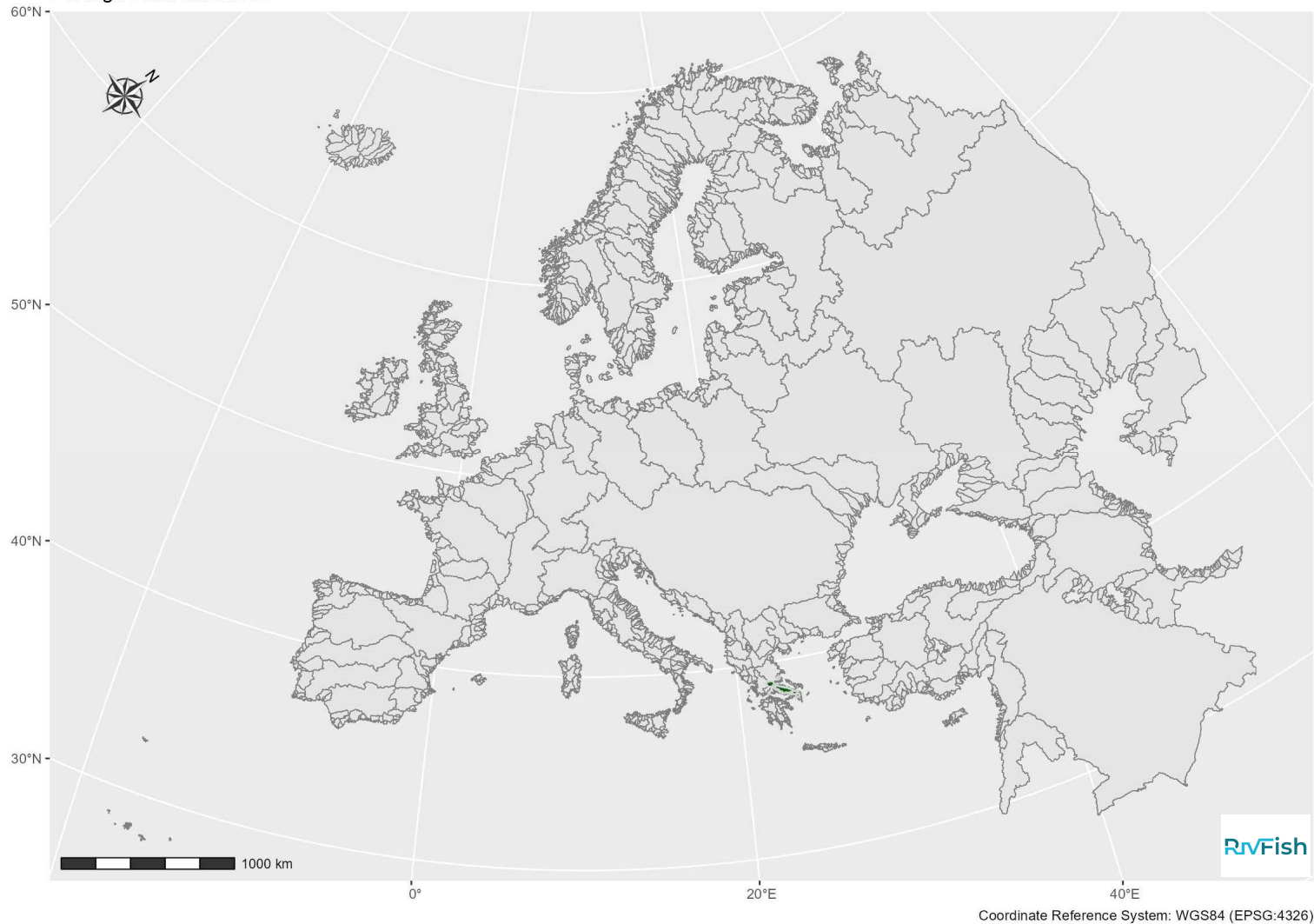
Pelagus epiroticus



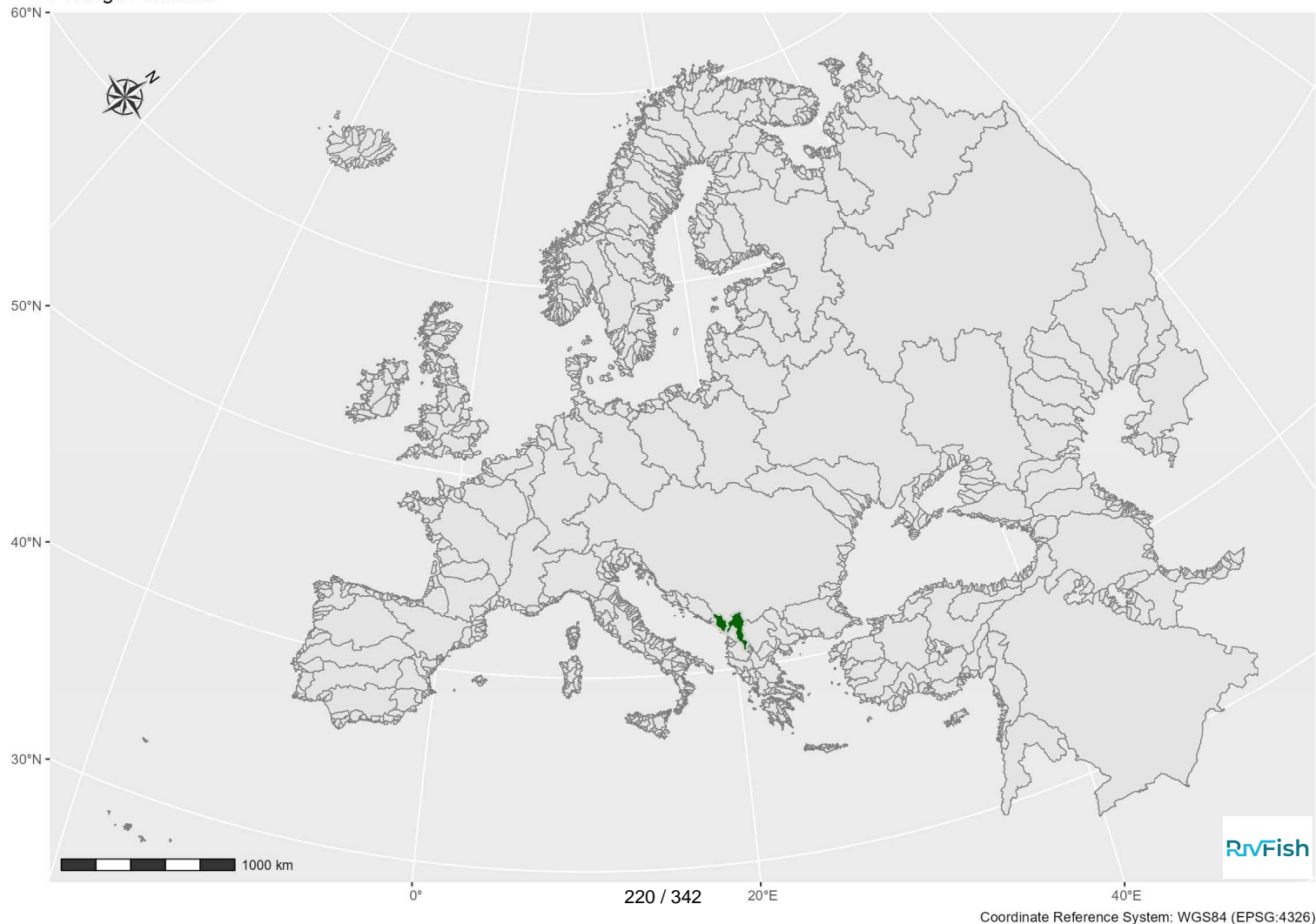
Pelagus laconicus



Pelagus marathonicus



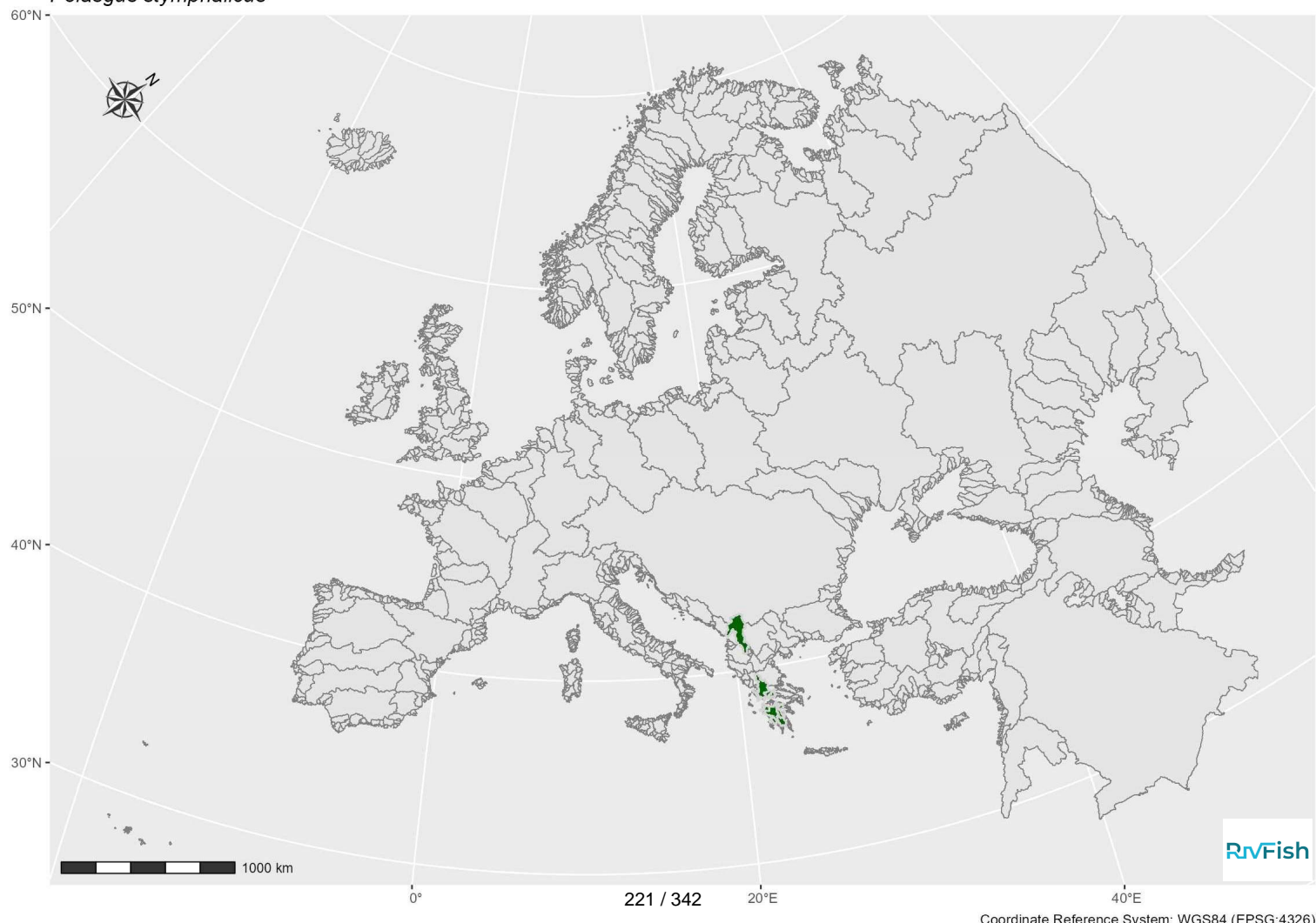
Pelagus minutus



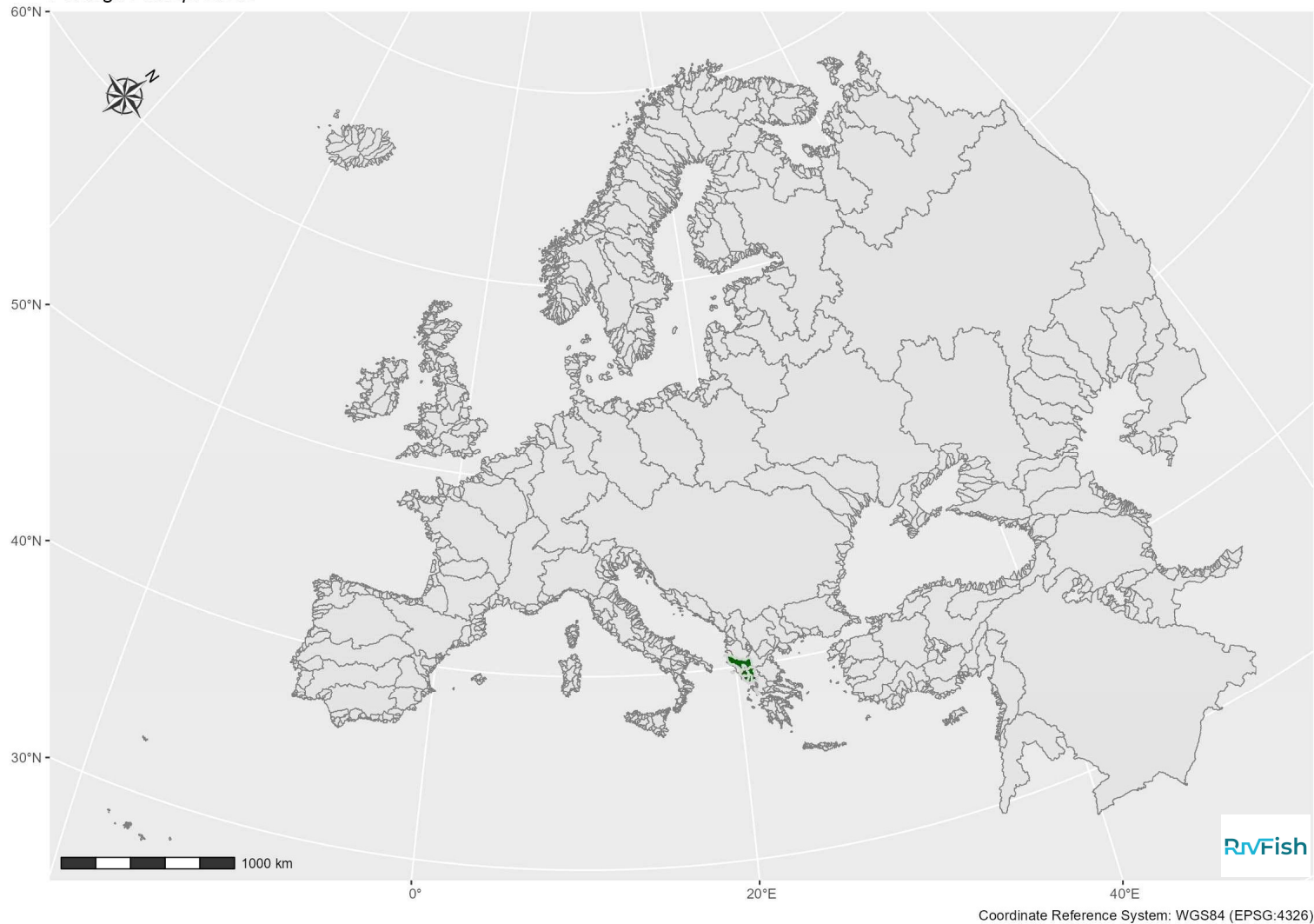
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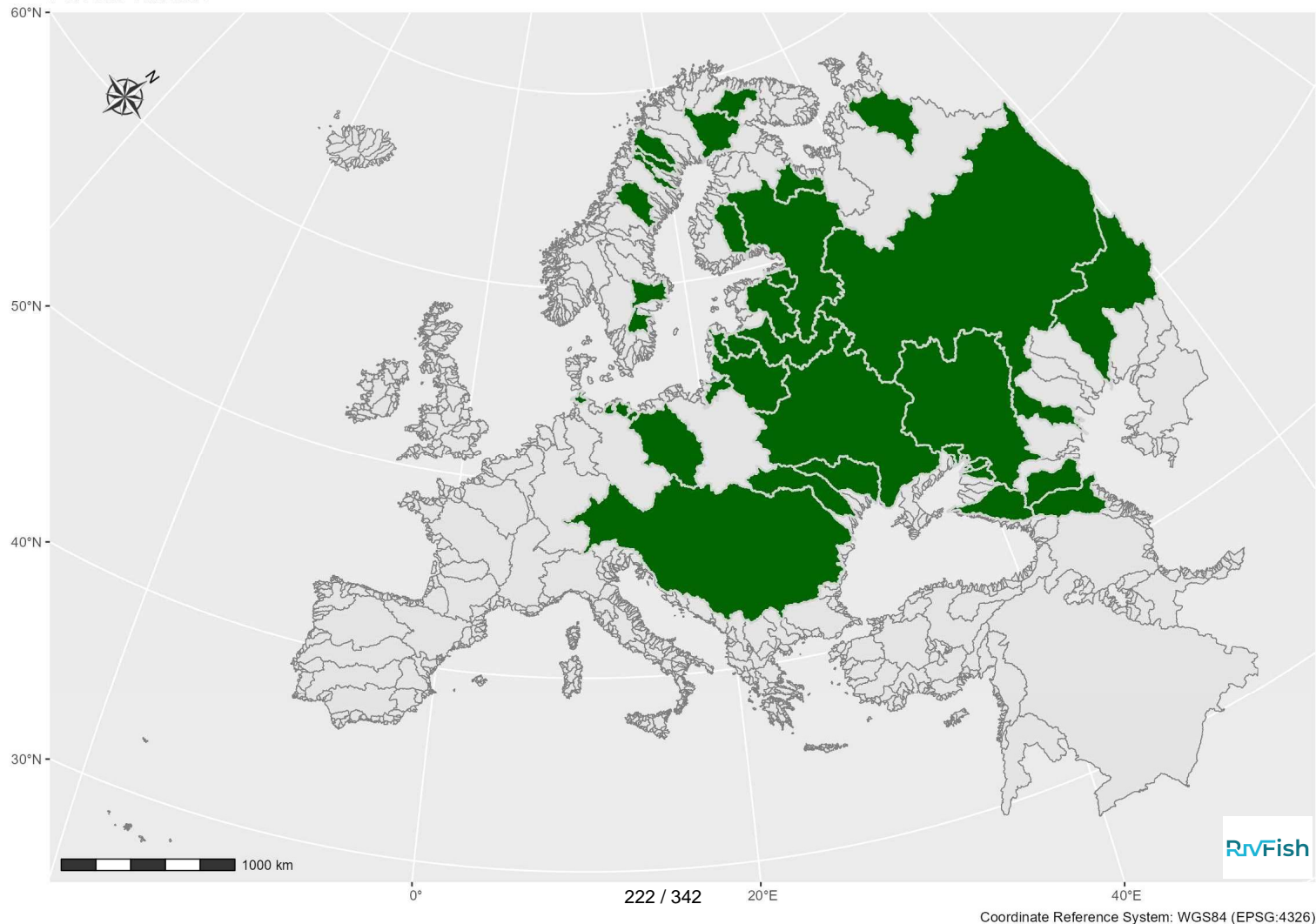
Pelagus stymphalicus



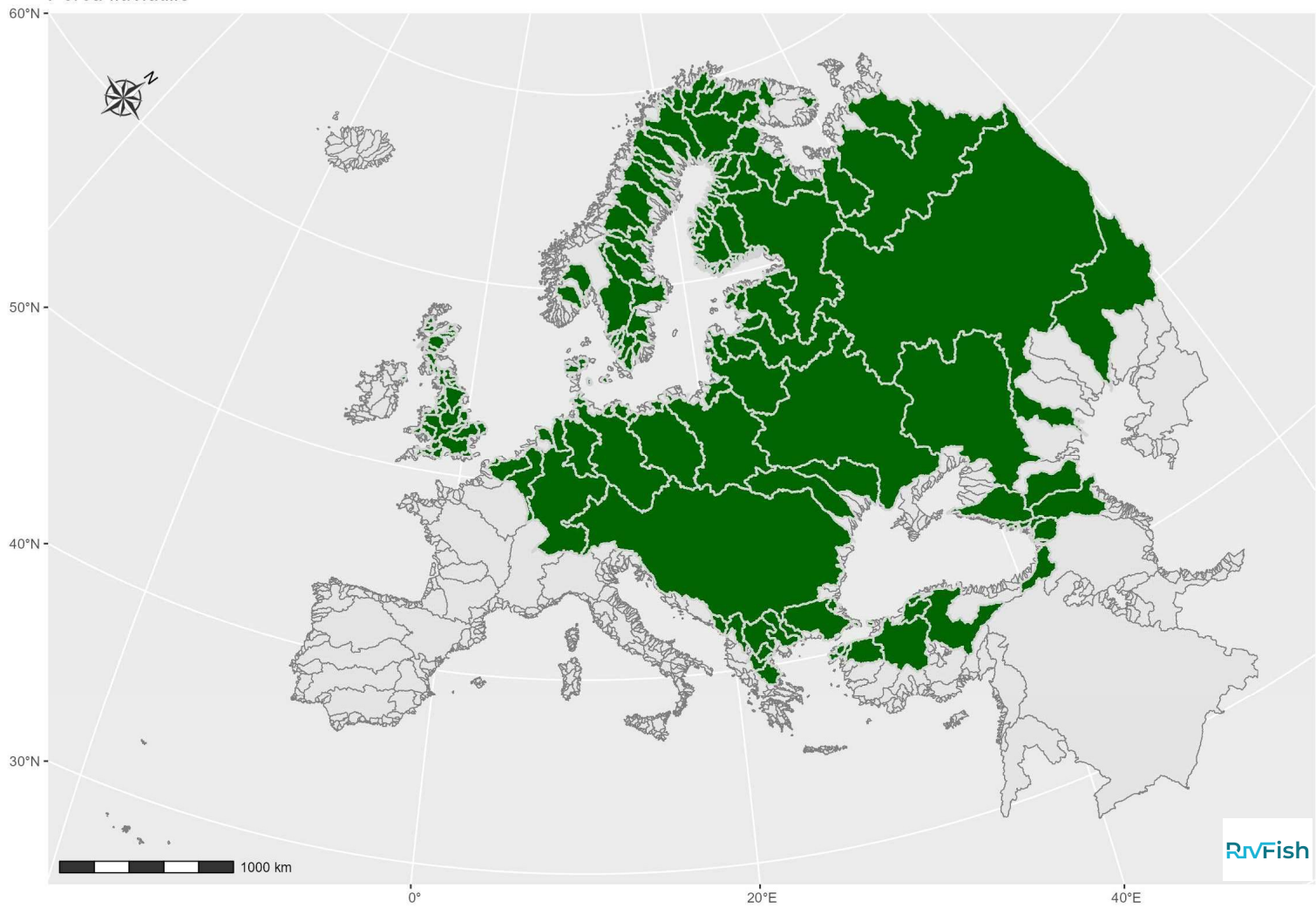
Pelagus thesproticus



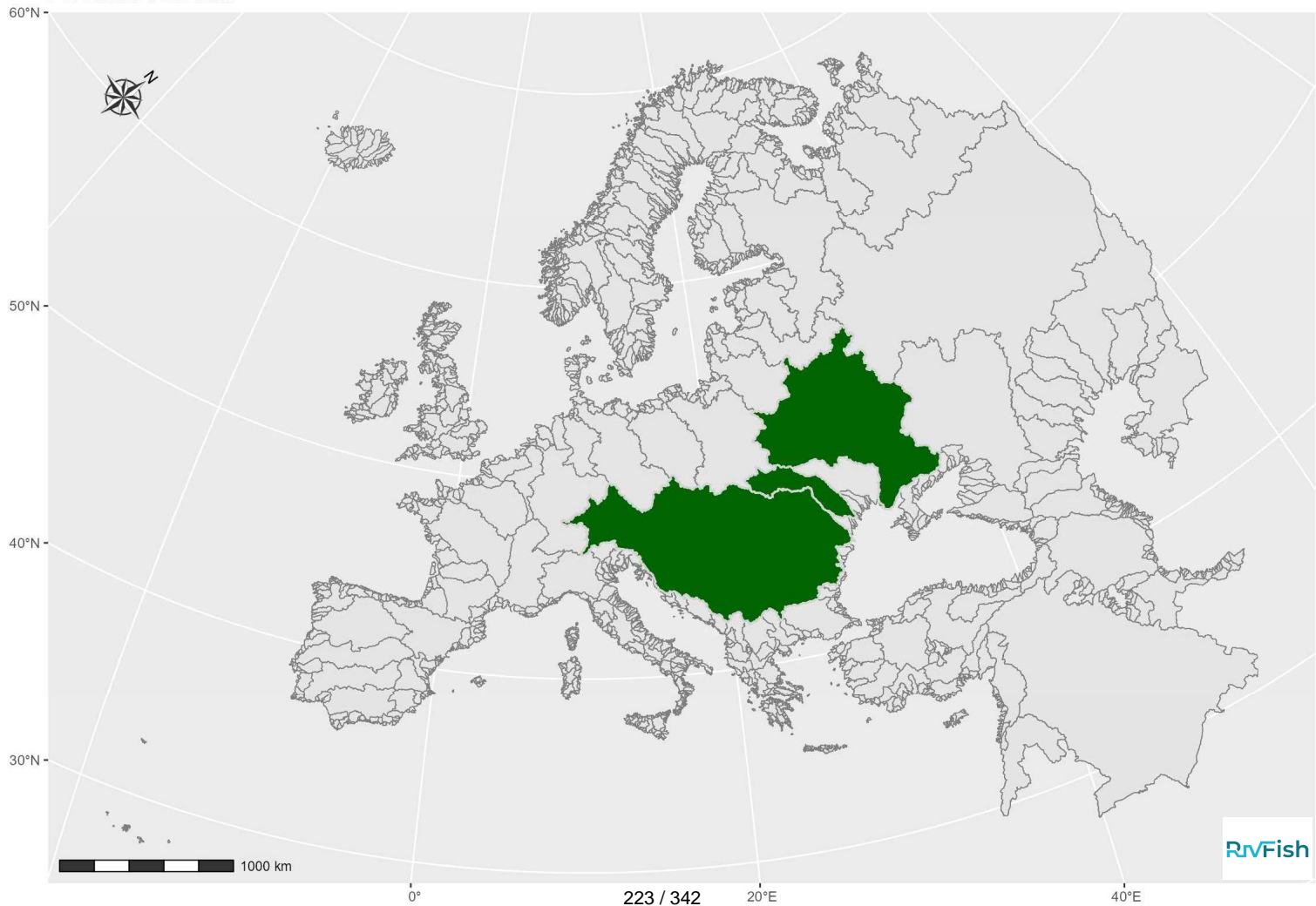
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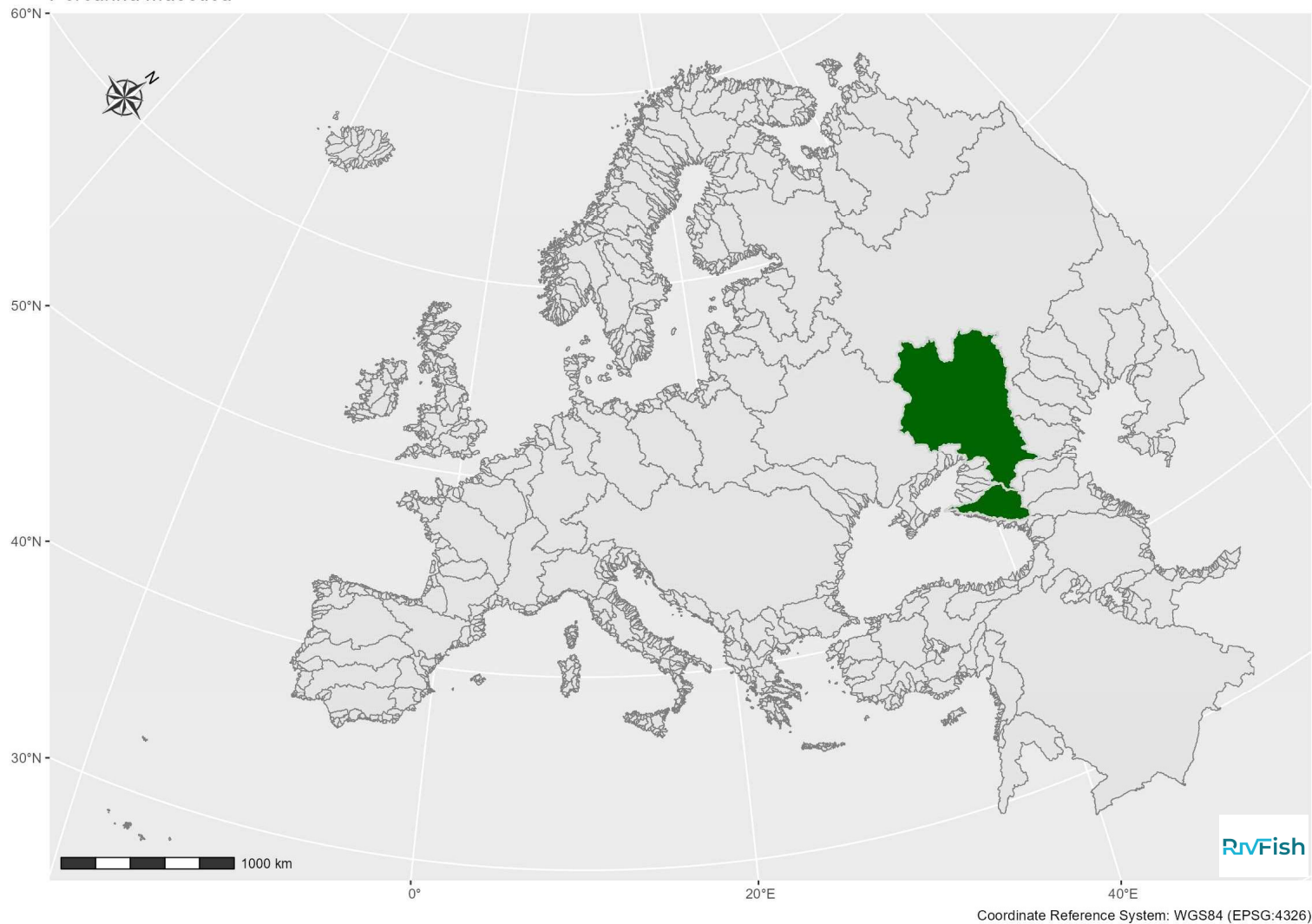
Perca fluviatilis



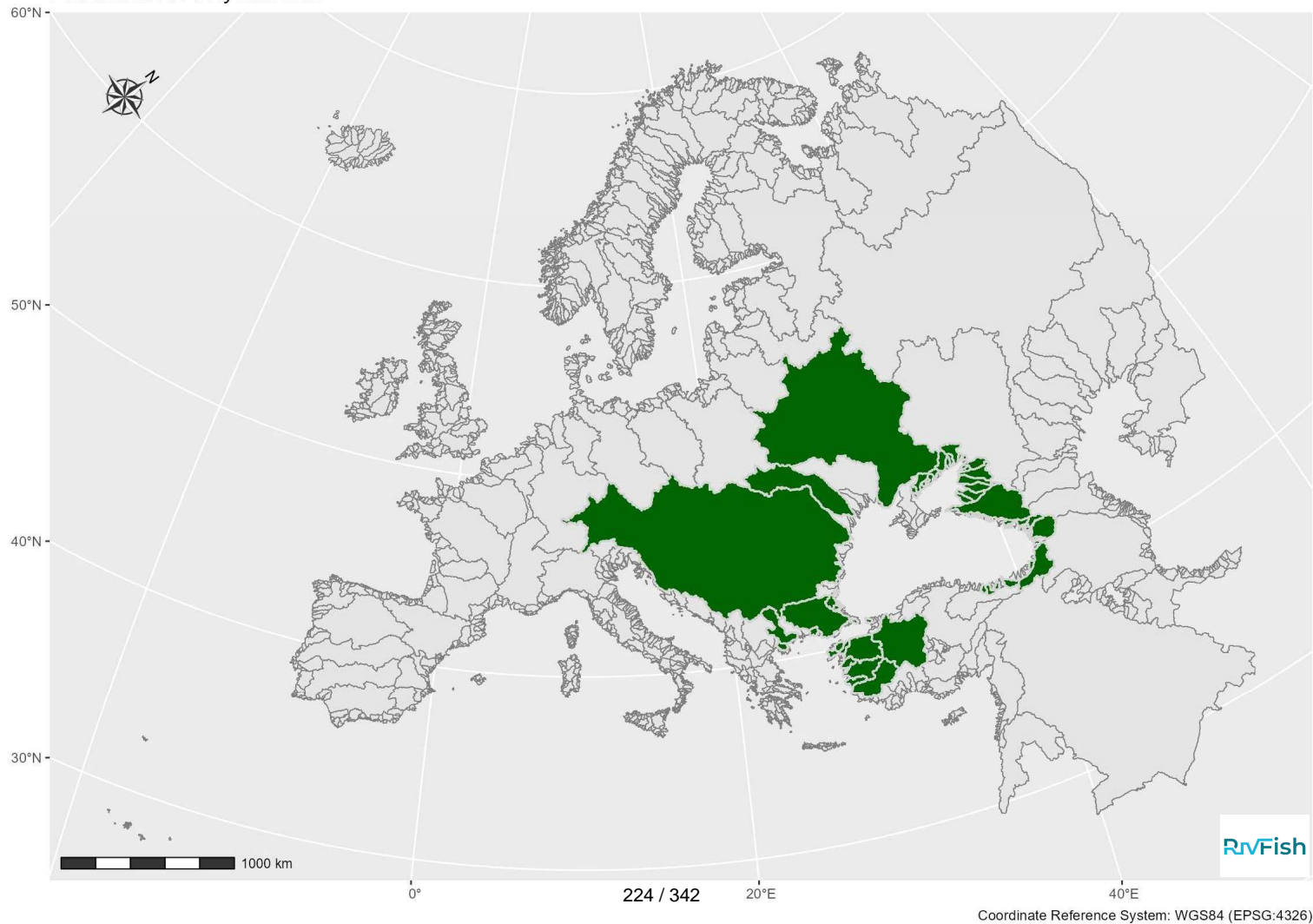
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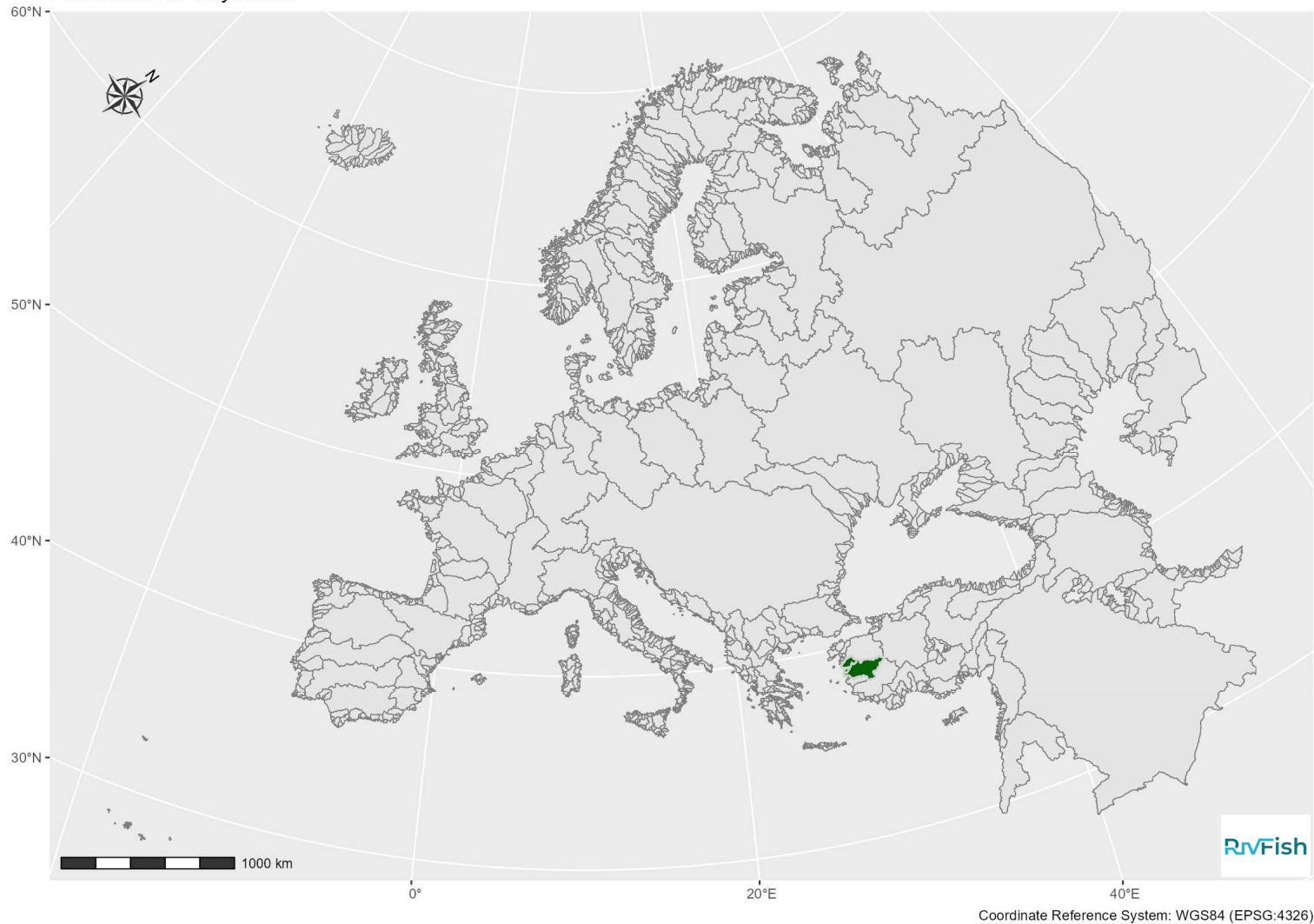
Percarina maeotica



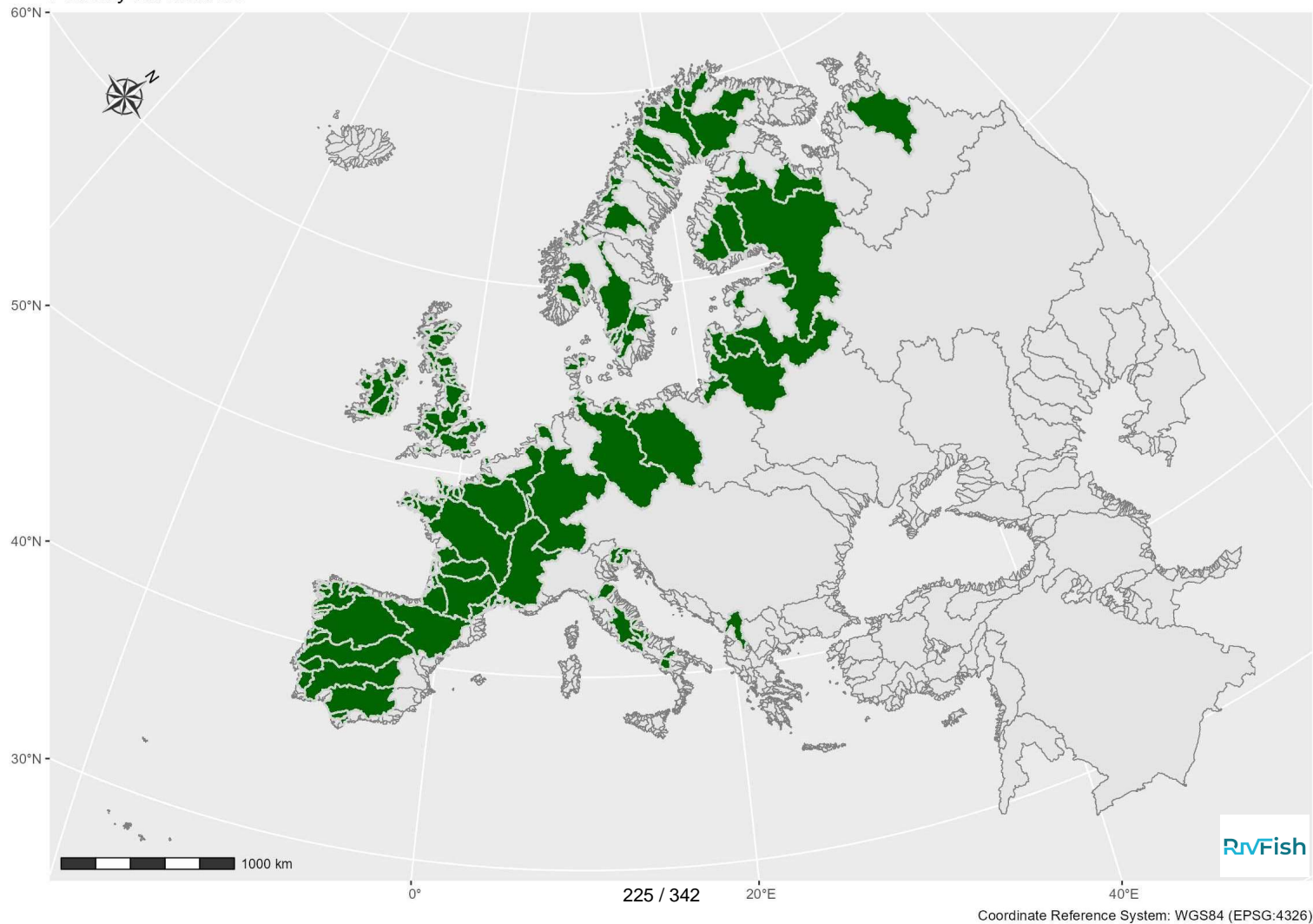
Petroleuciscus borysthenicus



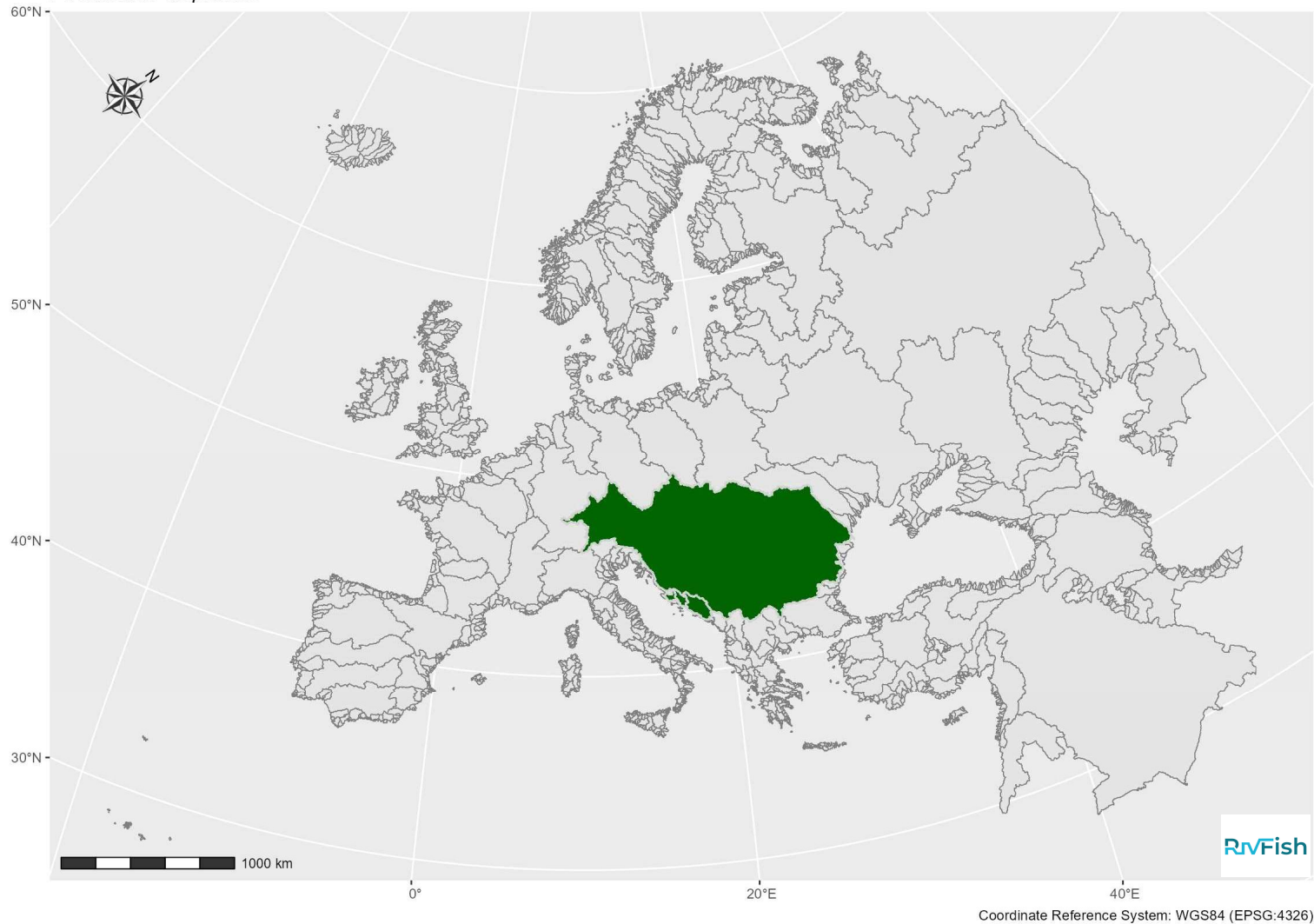
Petroleuciscus smyrnaeus



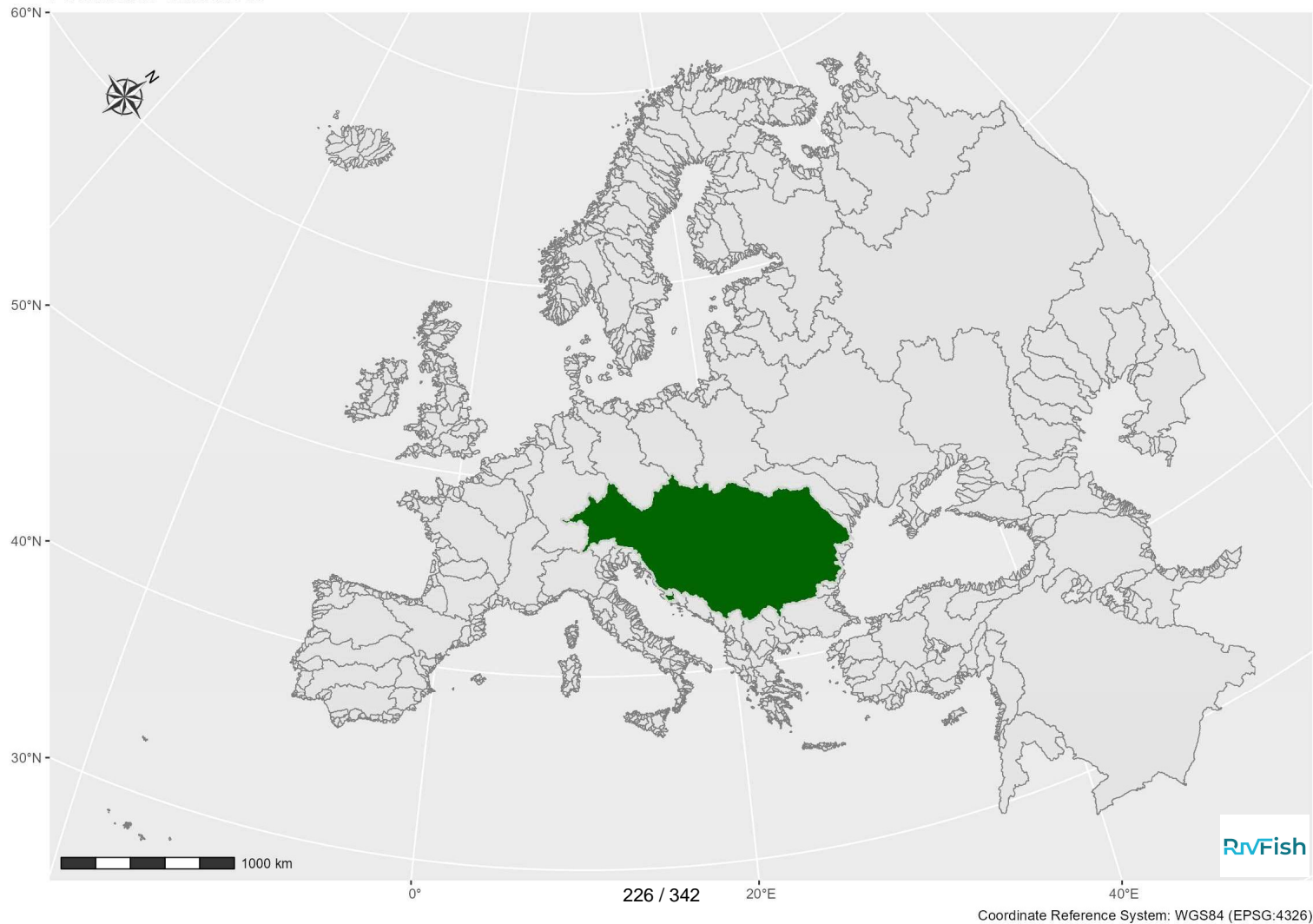
Petromyzon marinus



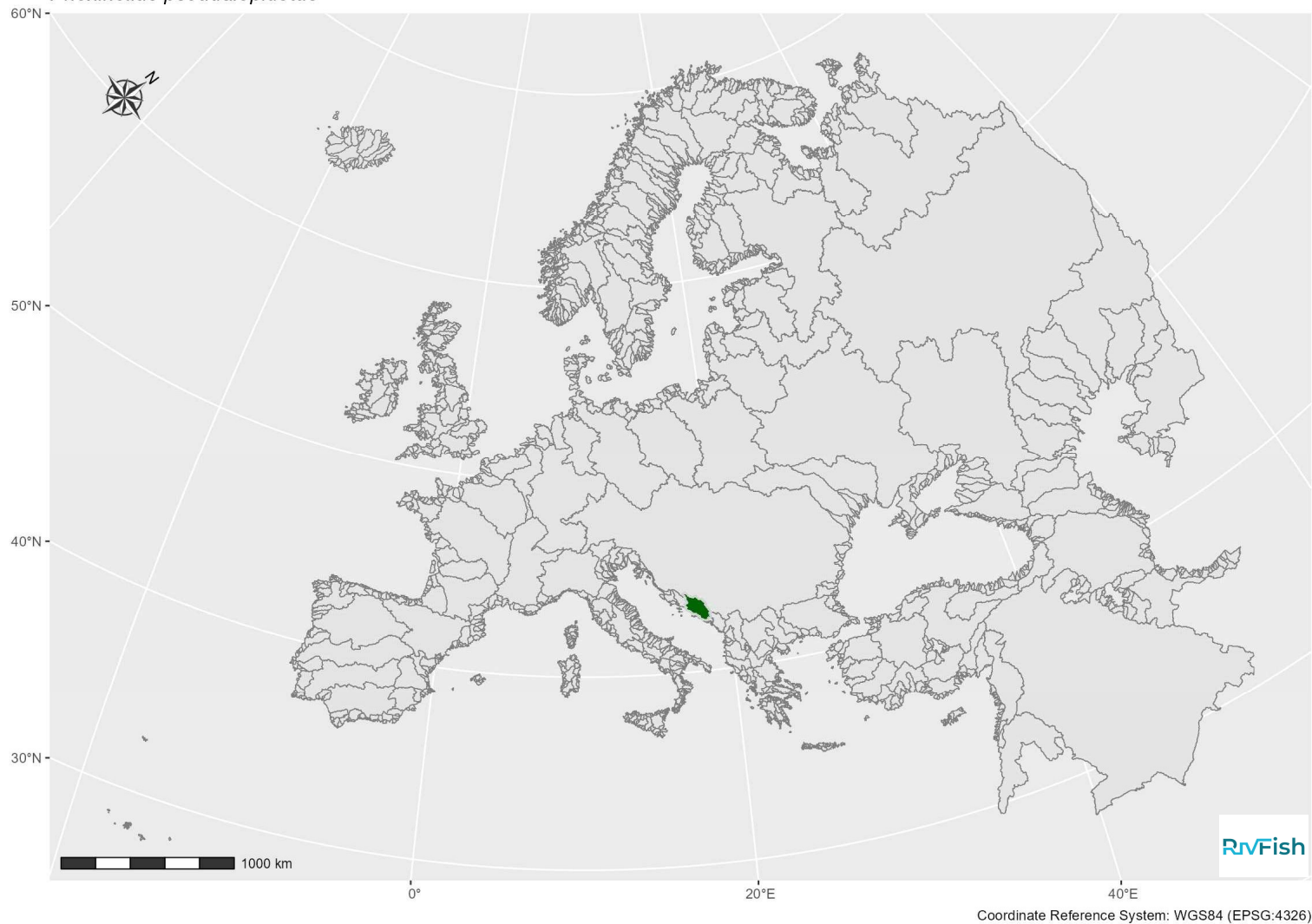
Phoxinellus alepidotus



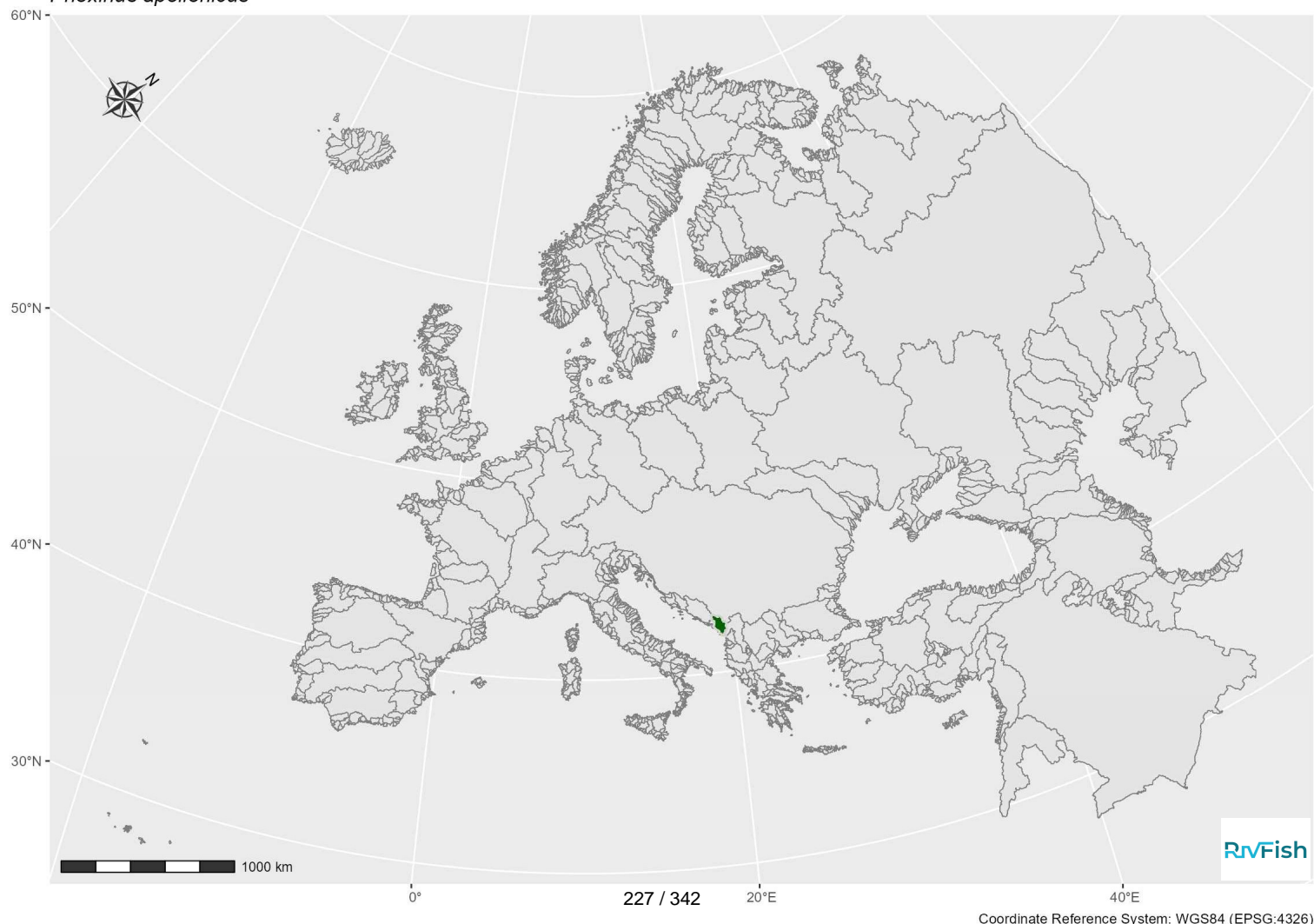
Phoxinellus dalmaticus



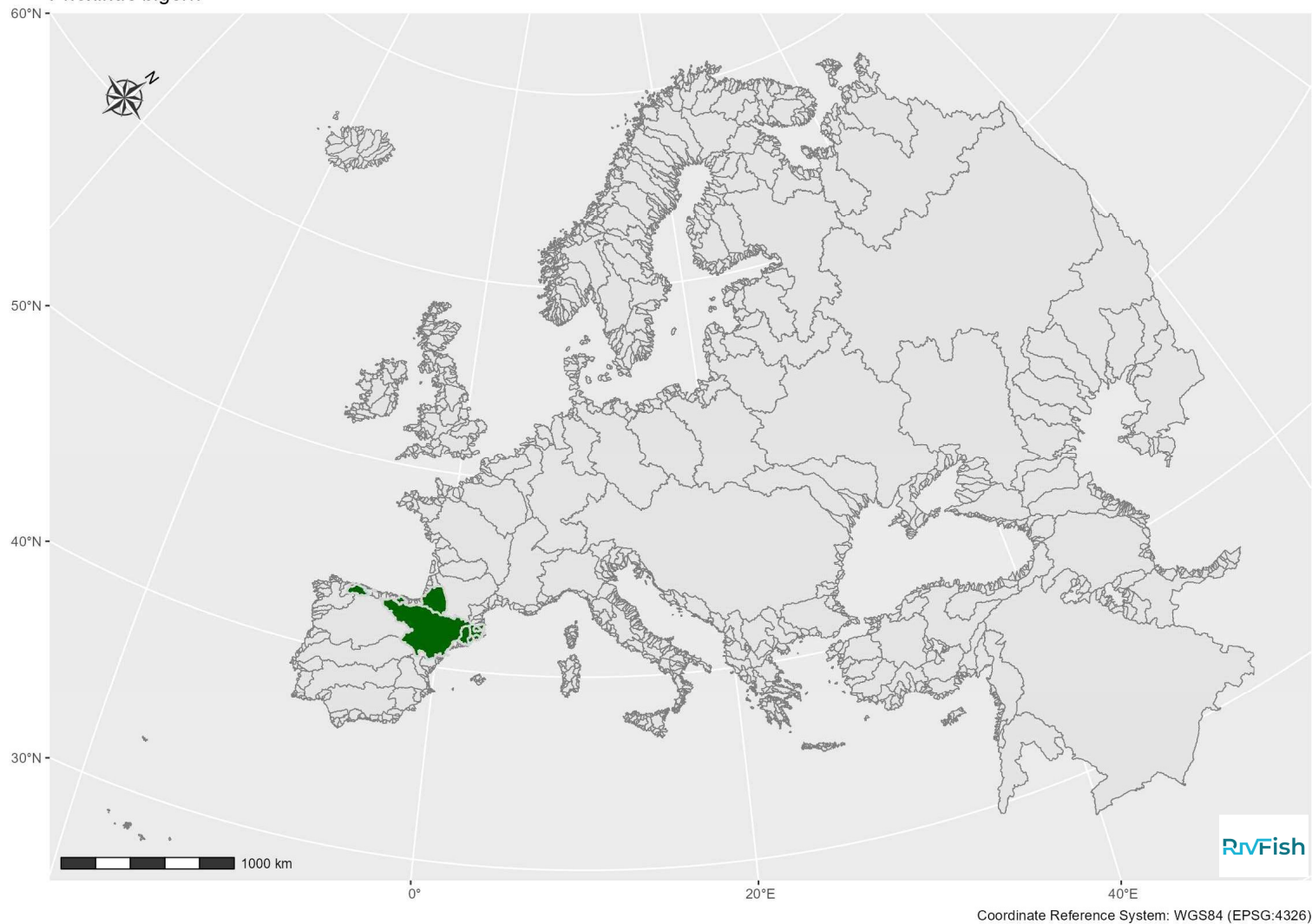
Phoxinellus pseudalepidotus



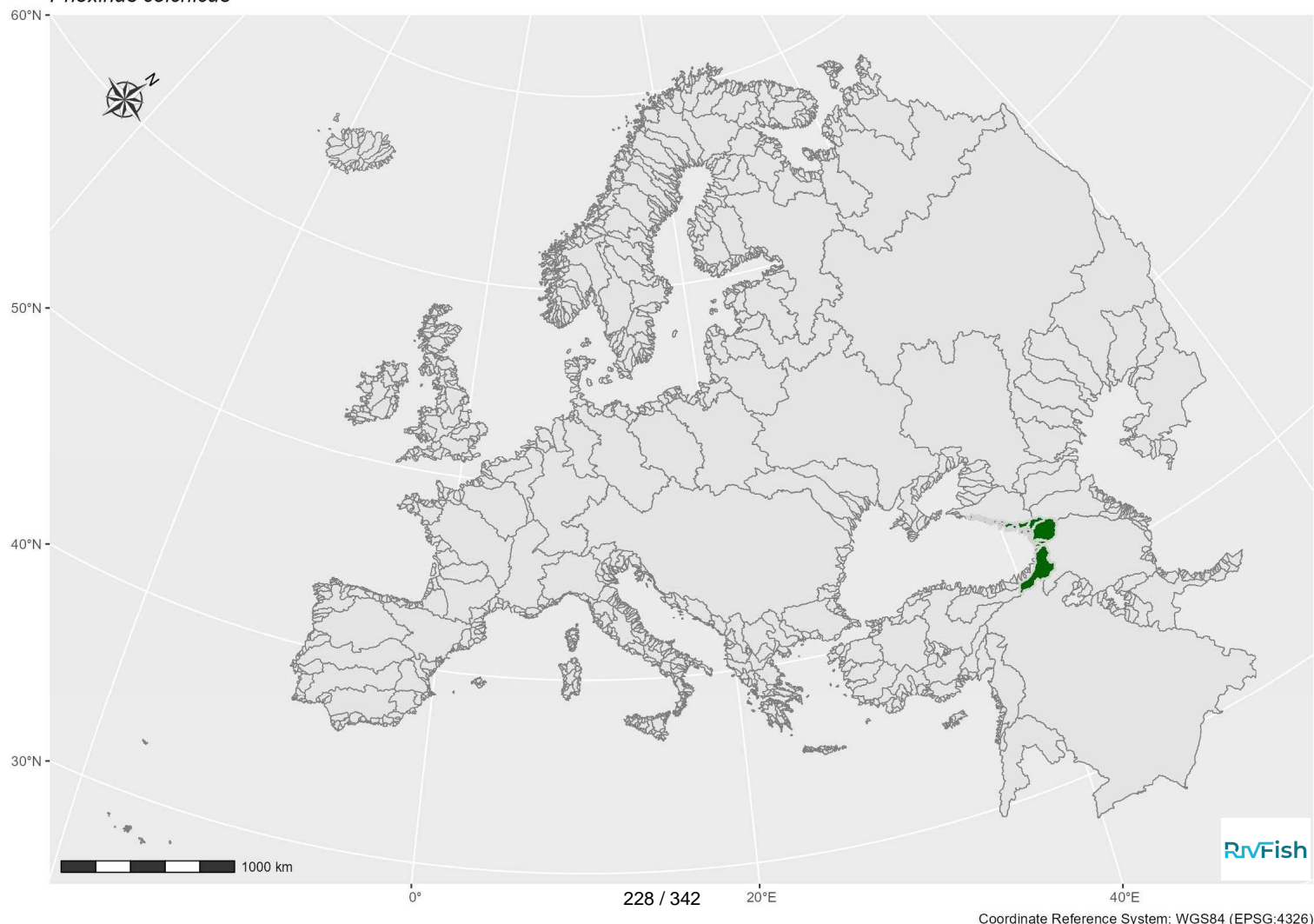
Phoxinus apollonicus



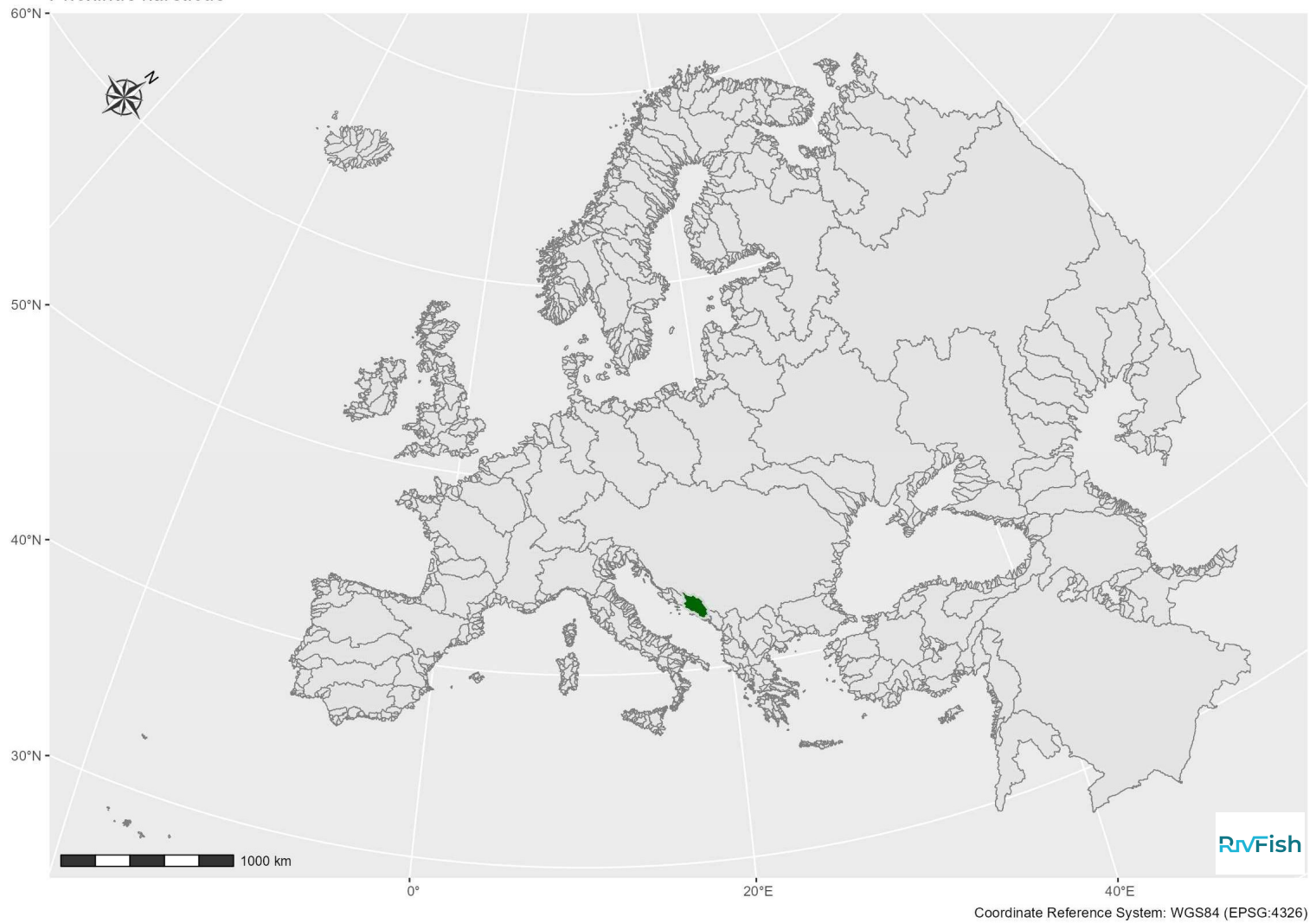
Phoxinus phoxinus



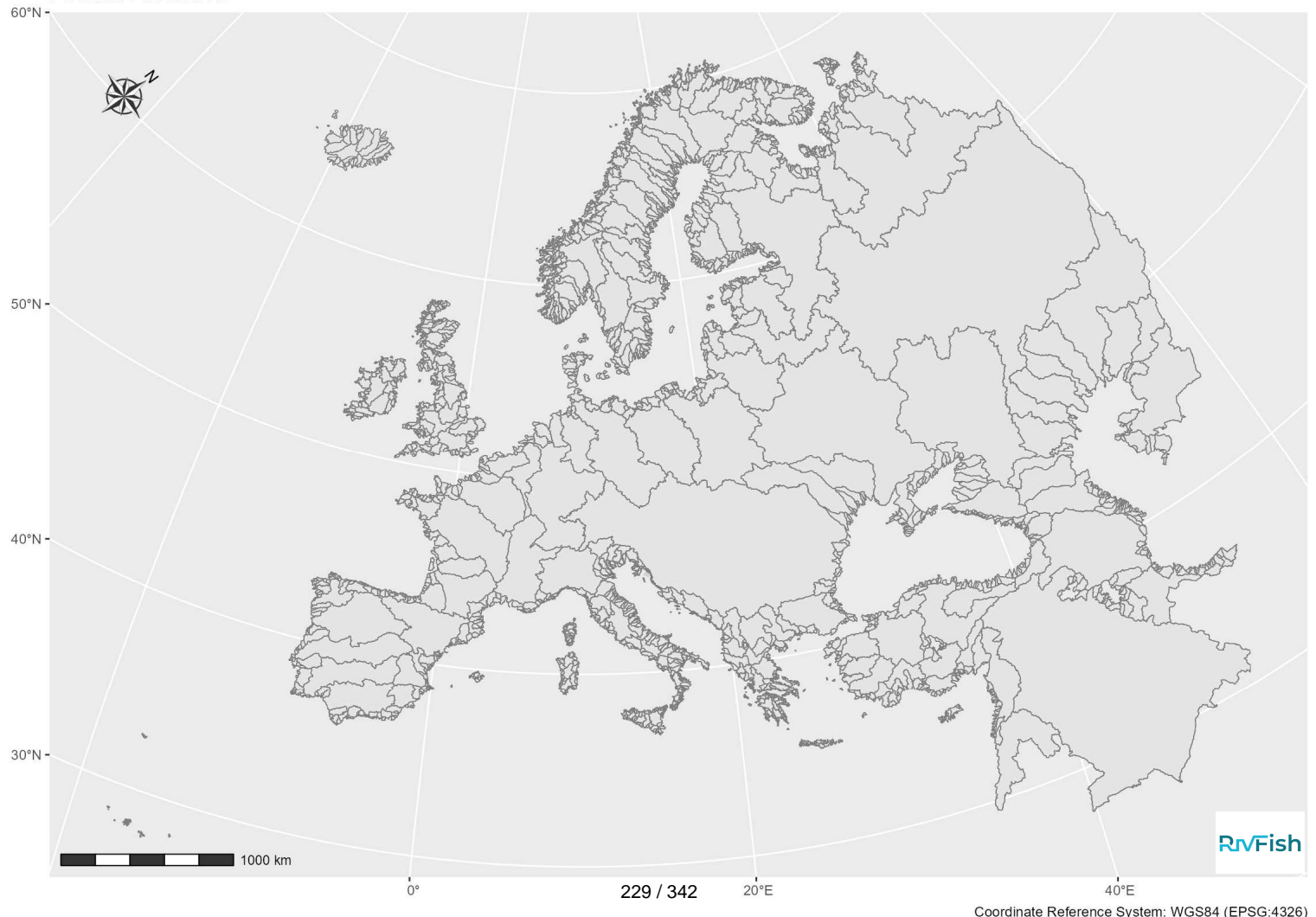
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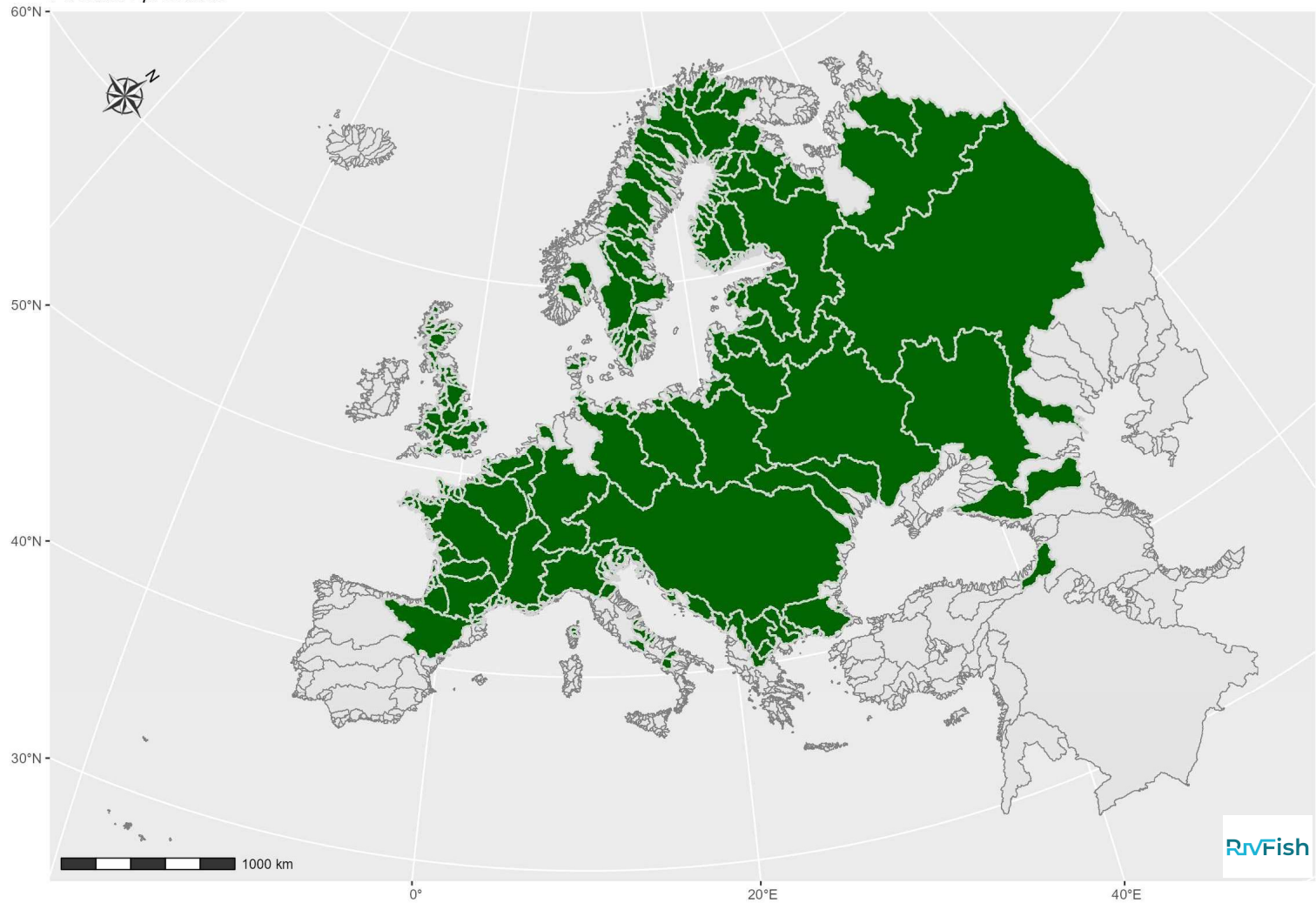
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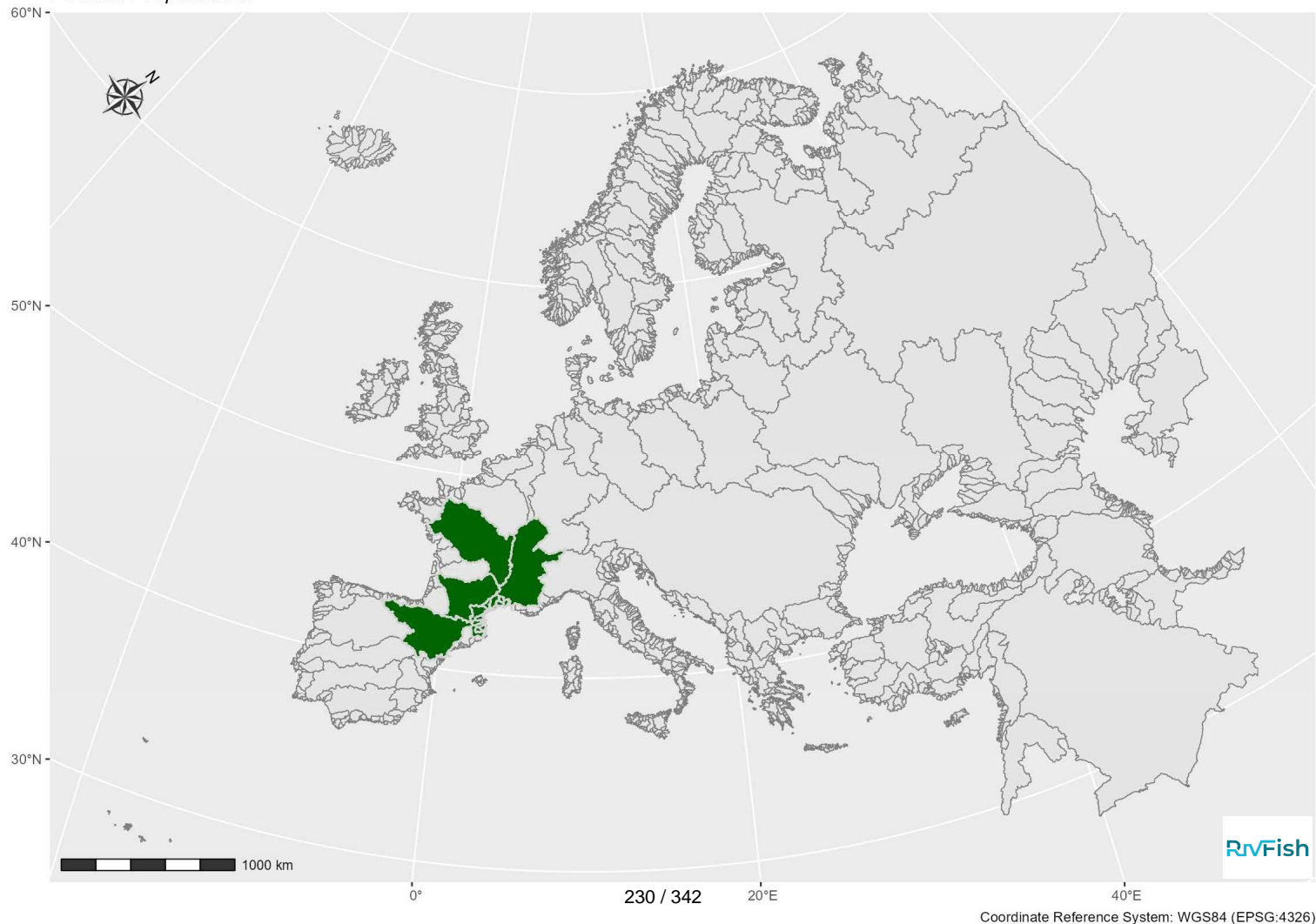
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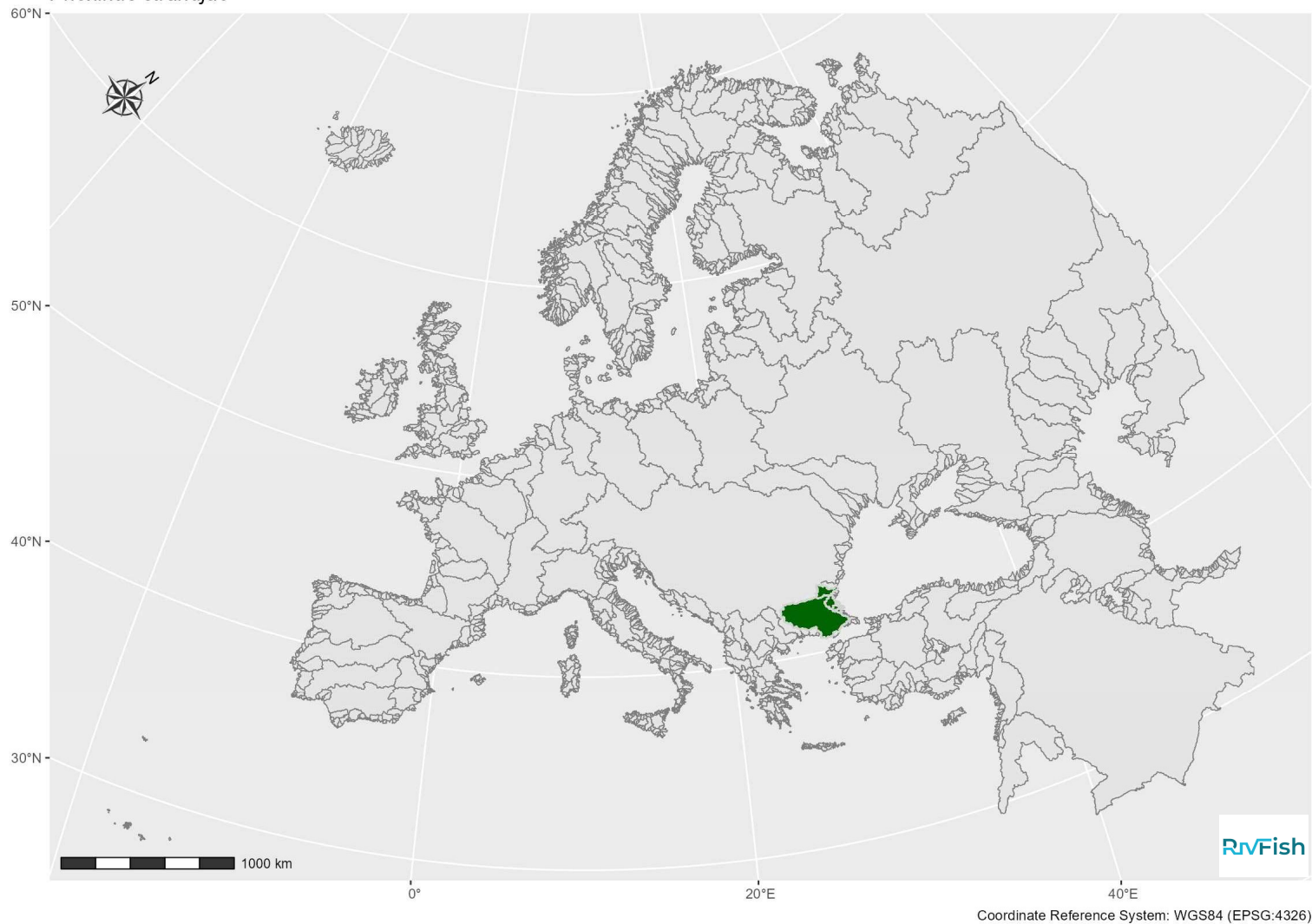
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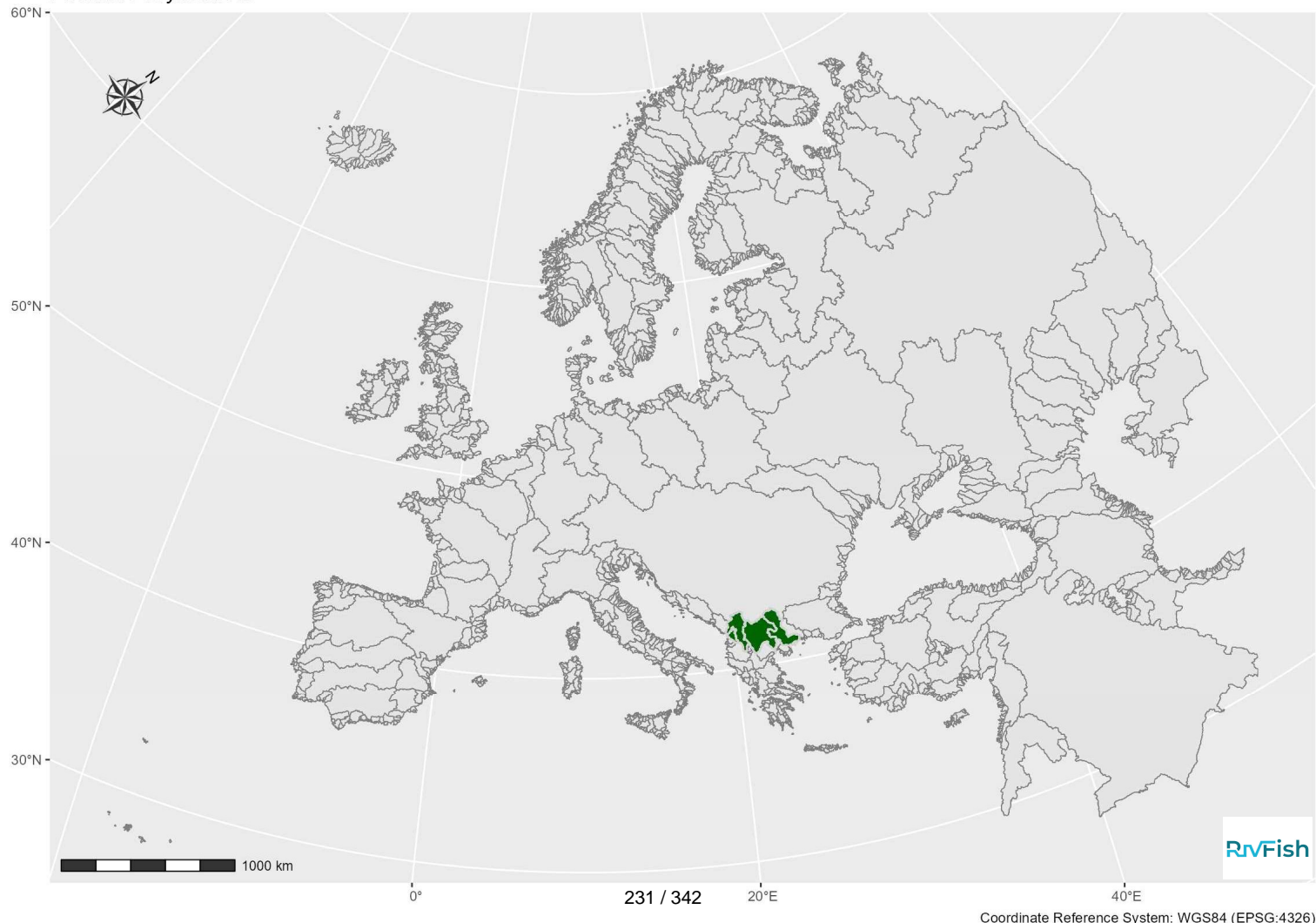
Phoxinus septimaniae



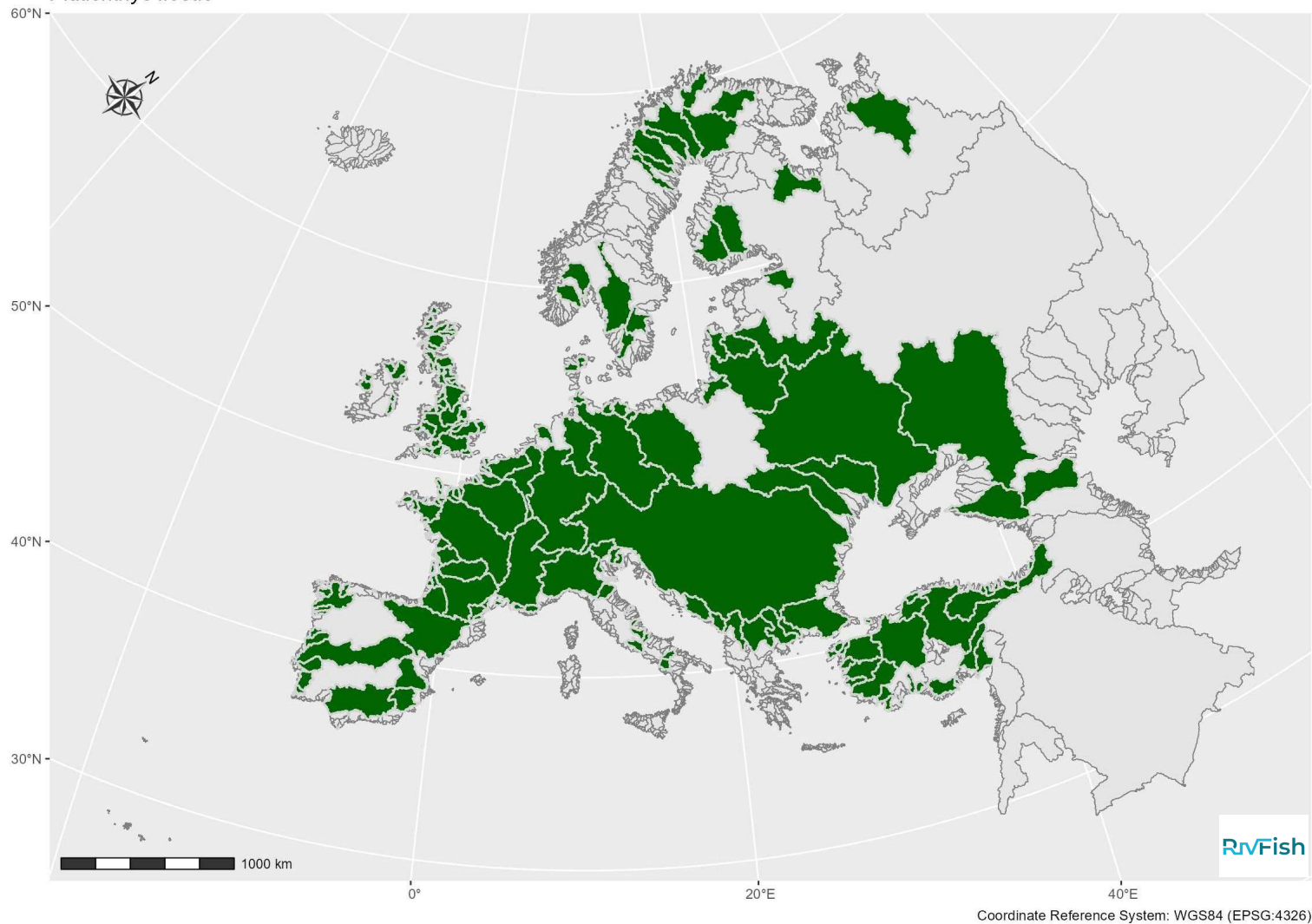
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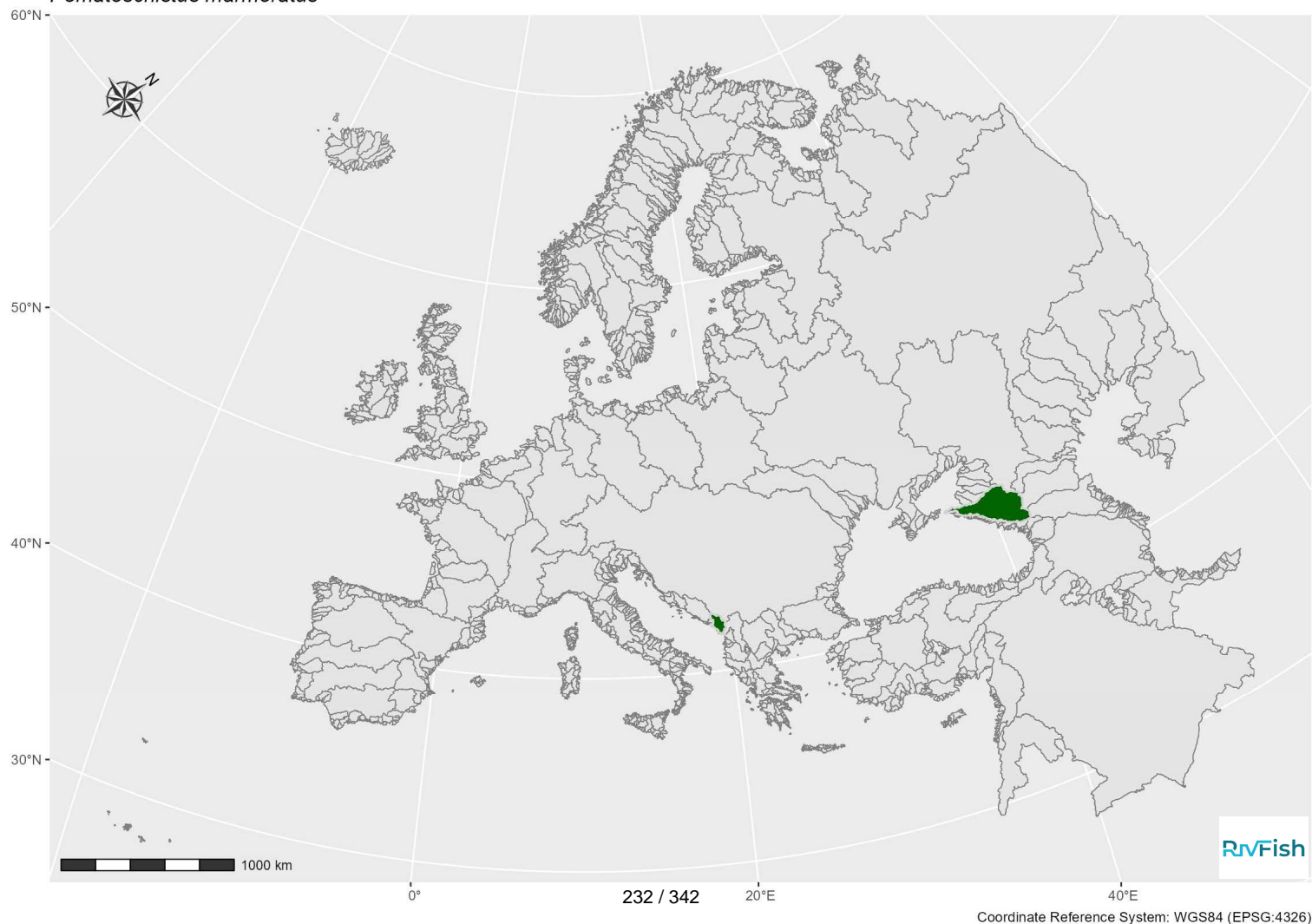
Phoxinus strymonicus



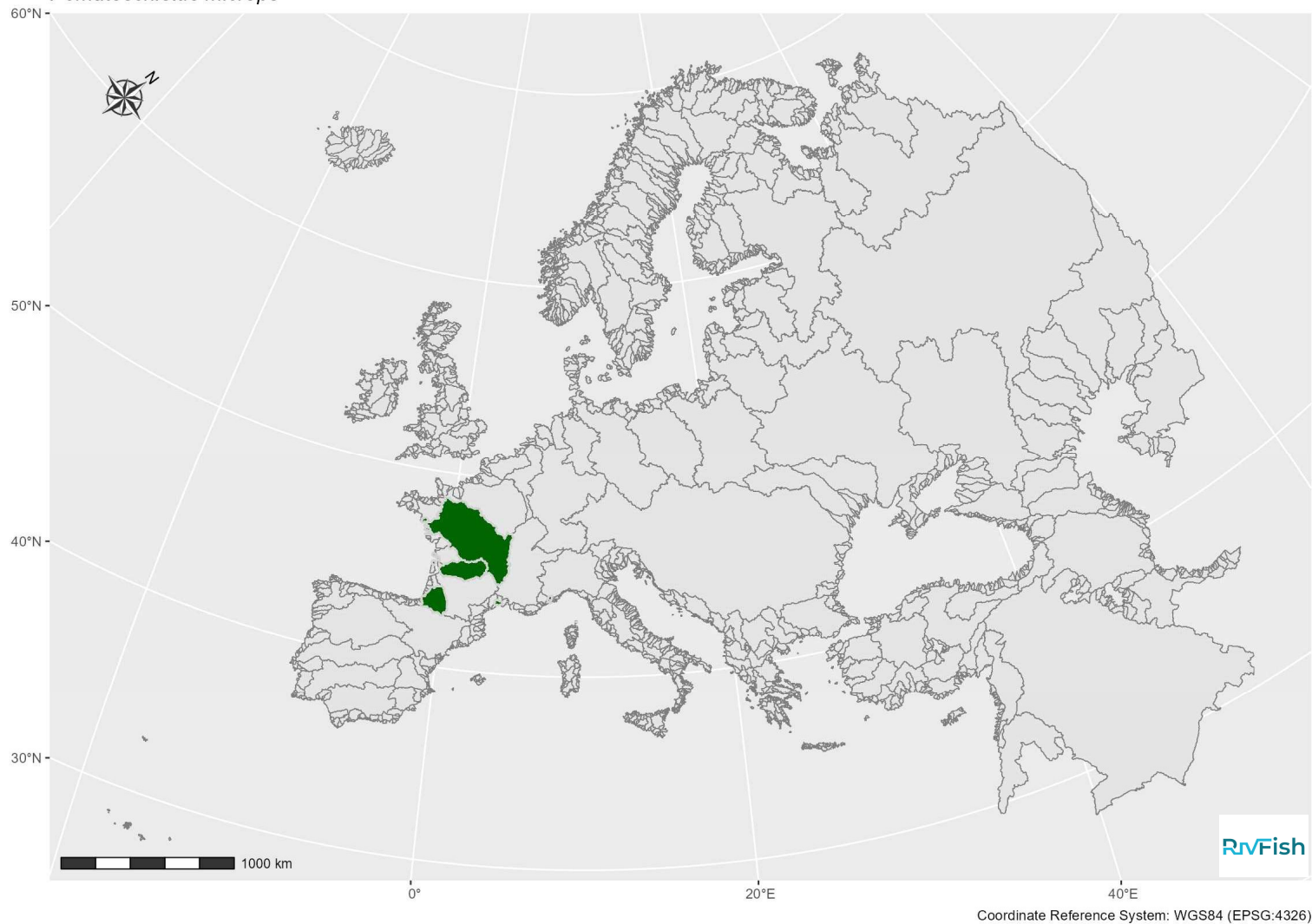
Platichthys flesus



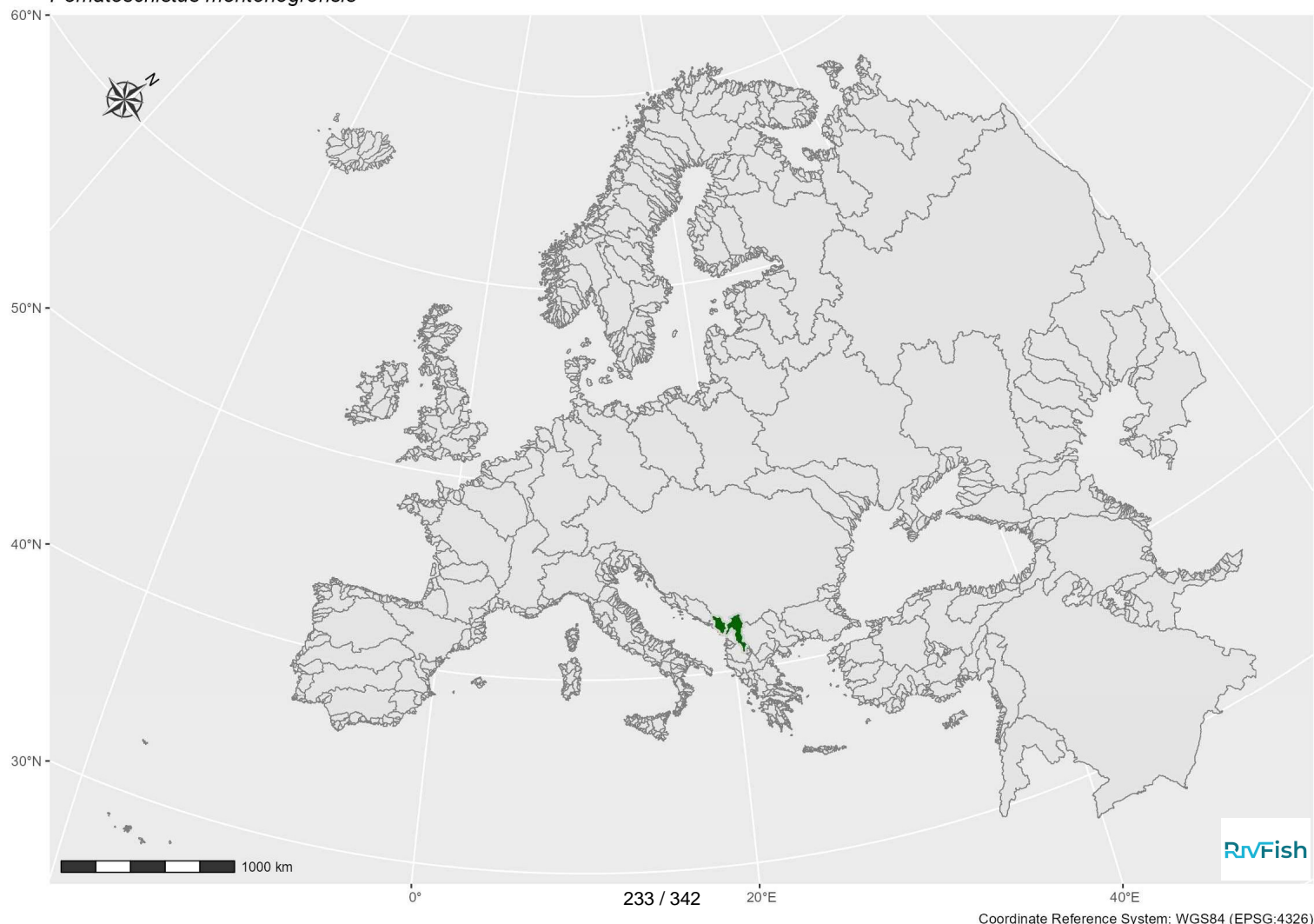
Pomatoschistus marmoratus



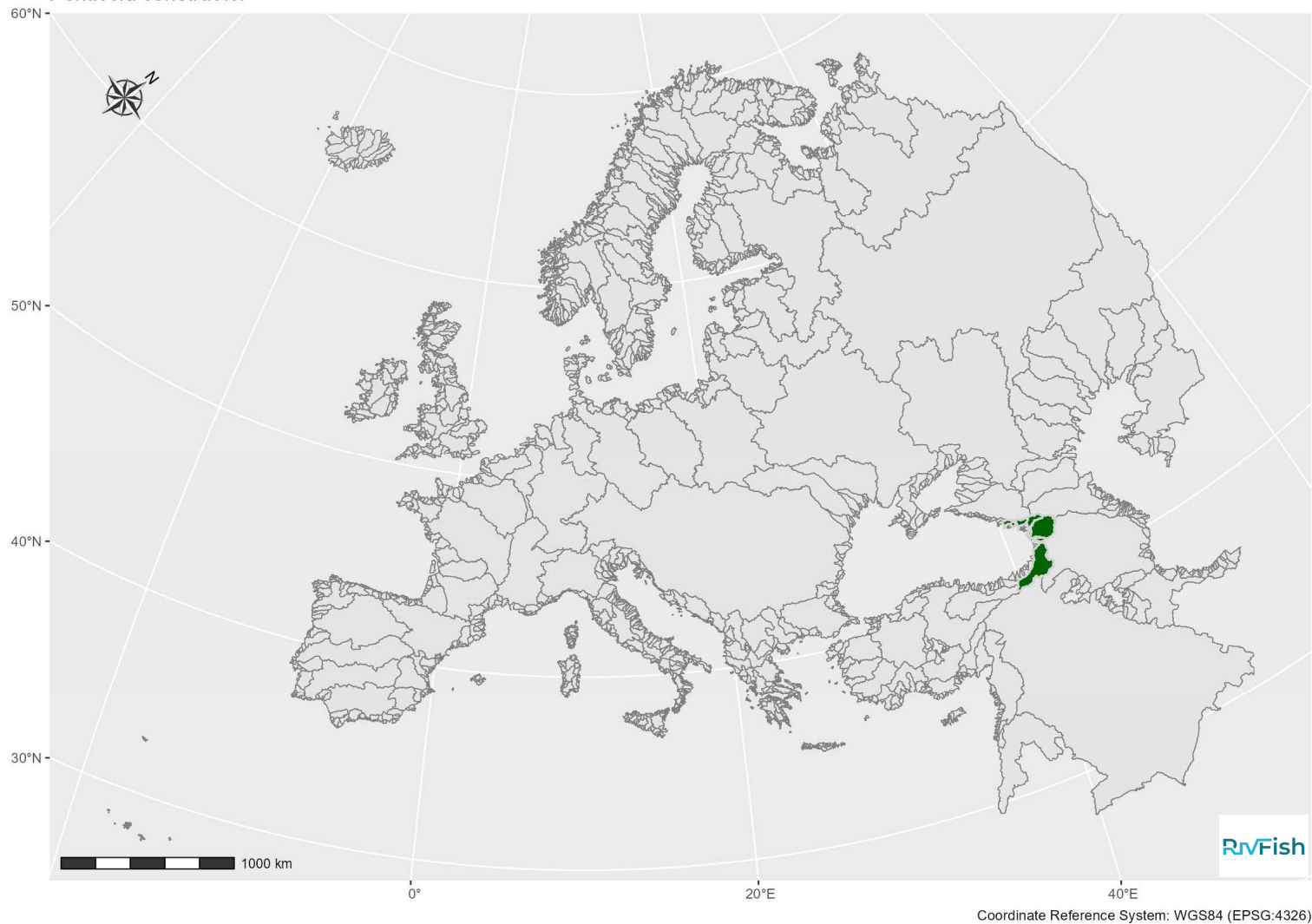
Pomatoschistus microps



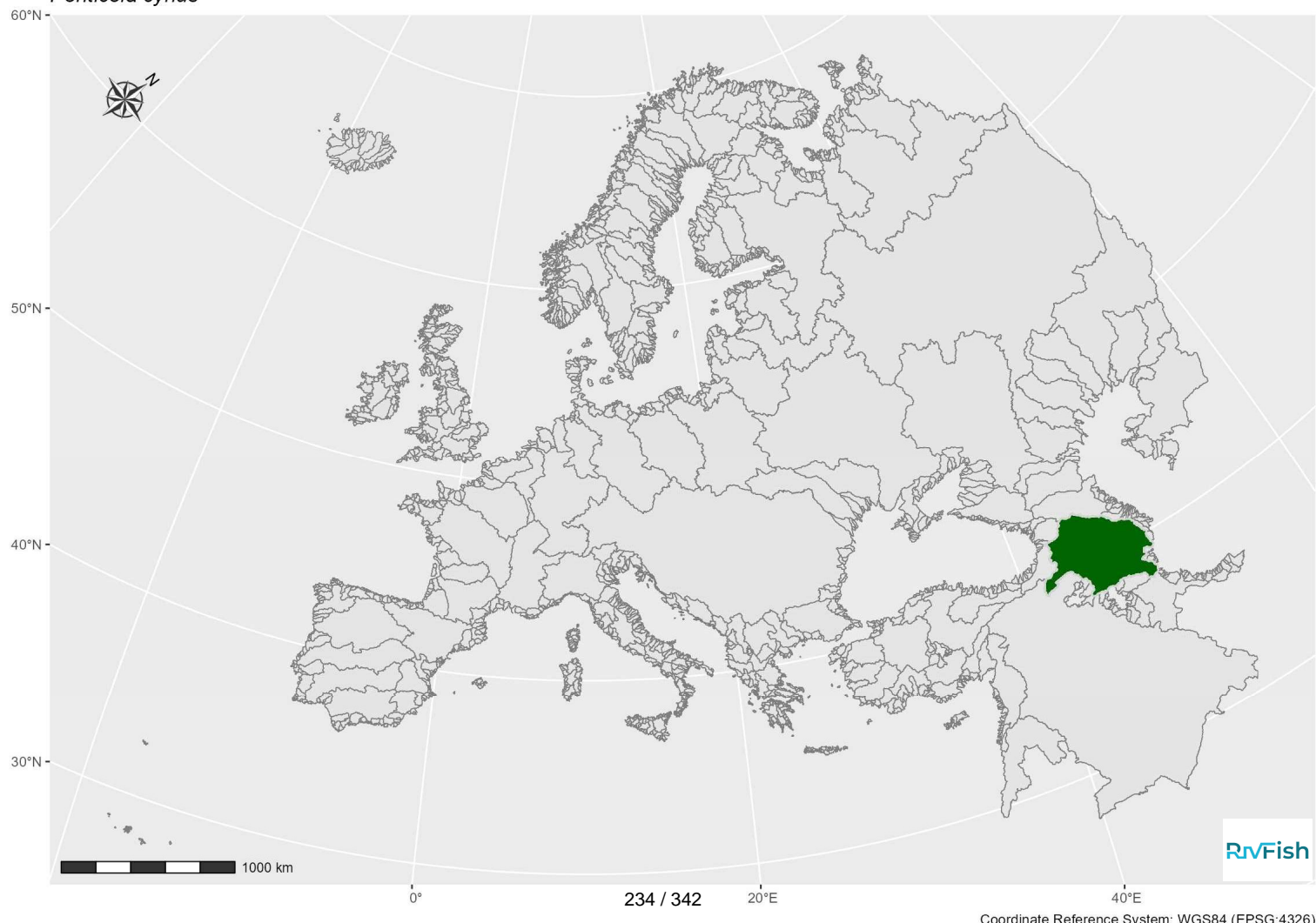
Pomatoschistus montenegrensis



Ponticola constructor



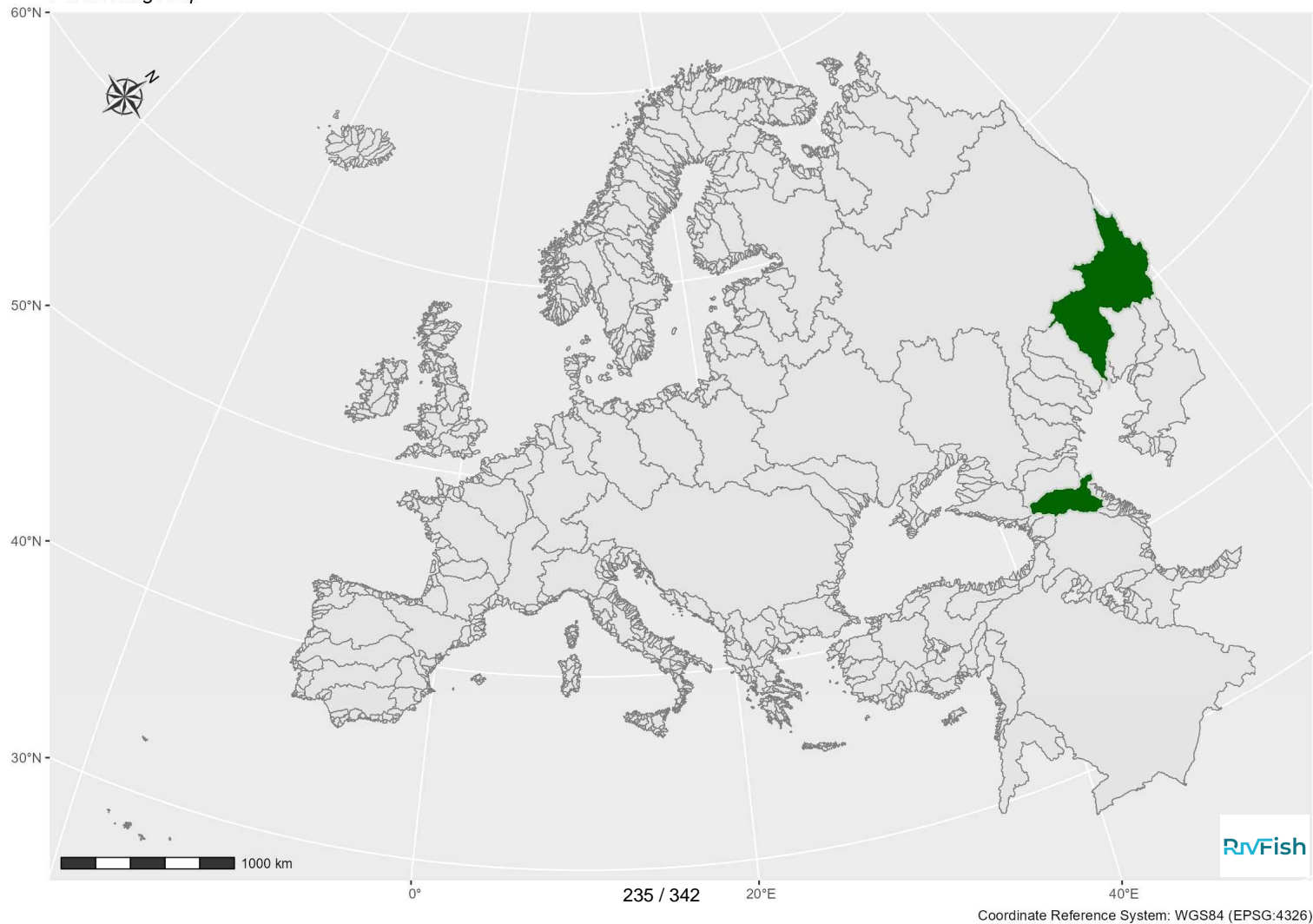
Ponticola cyrius



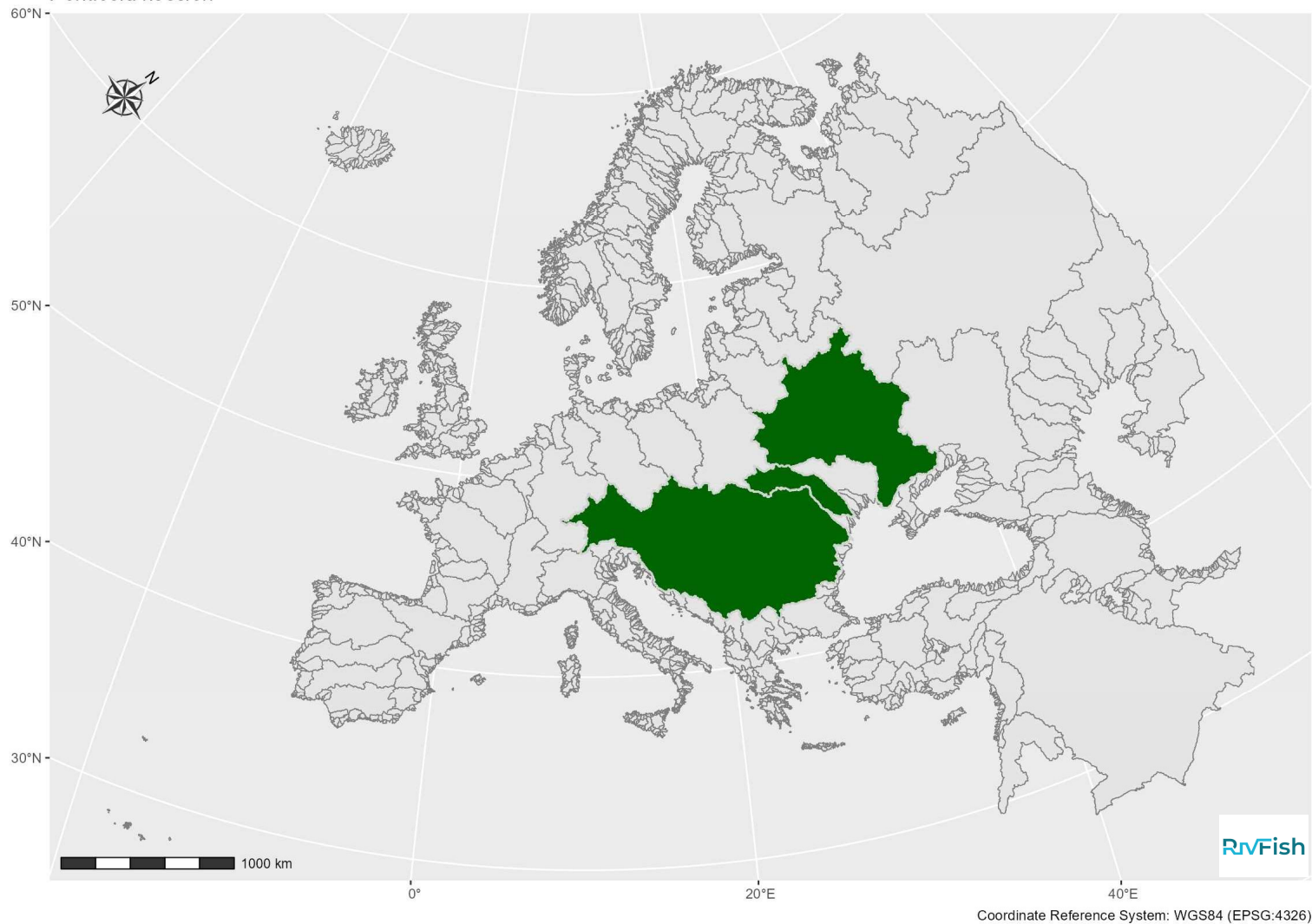
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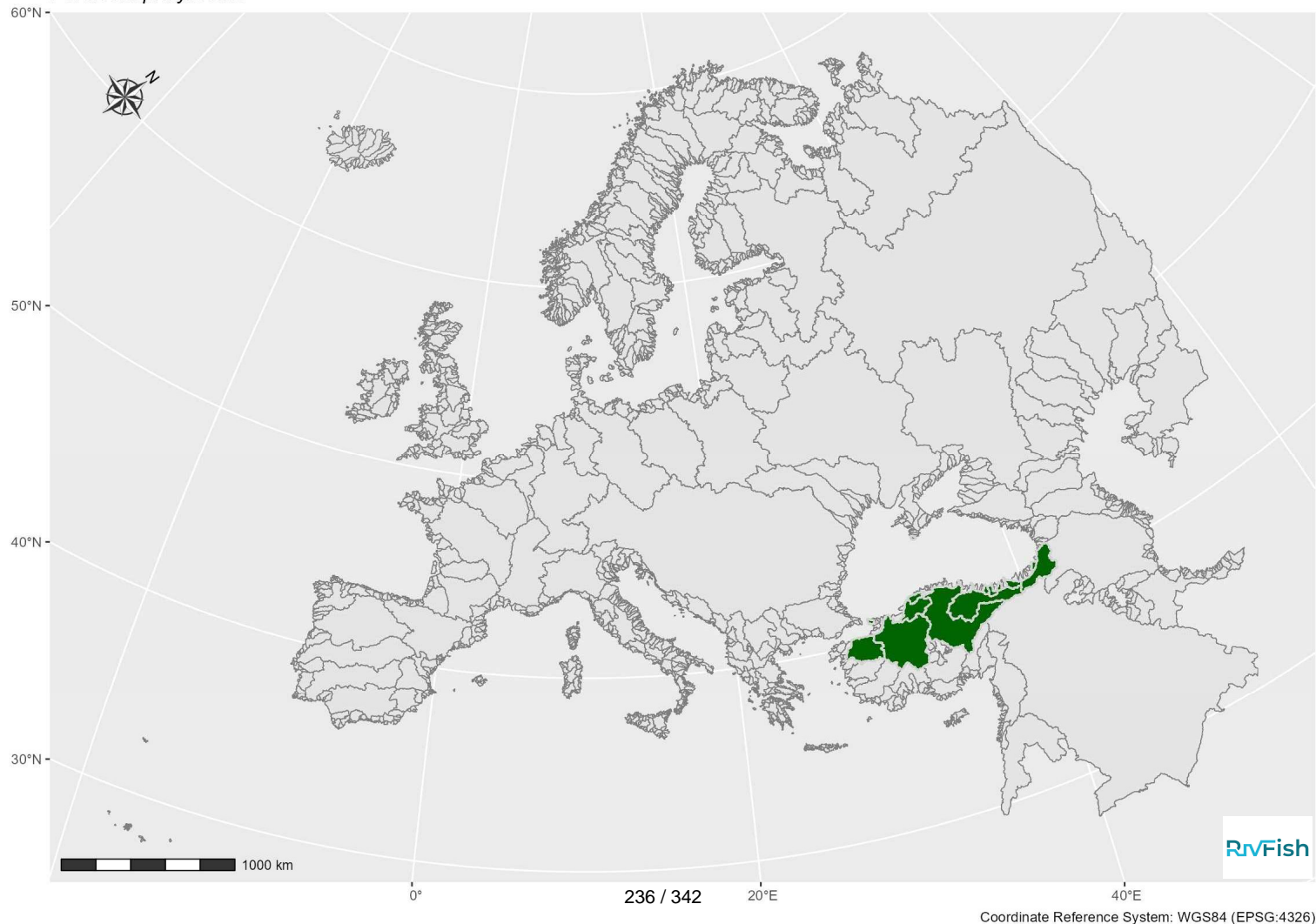
Ponticola gorlap



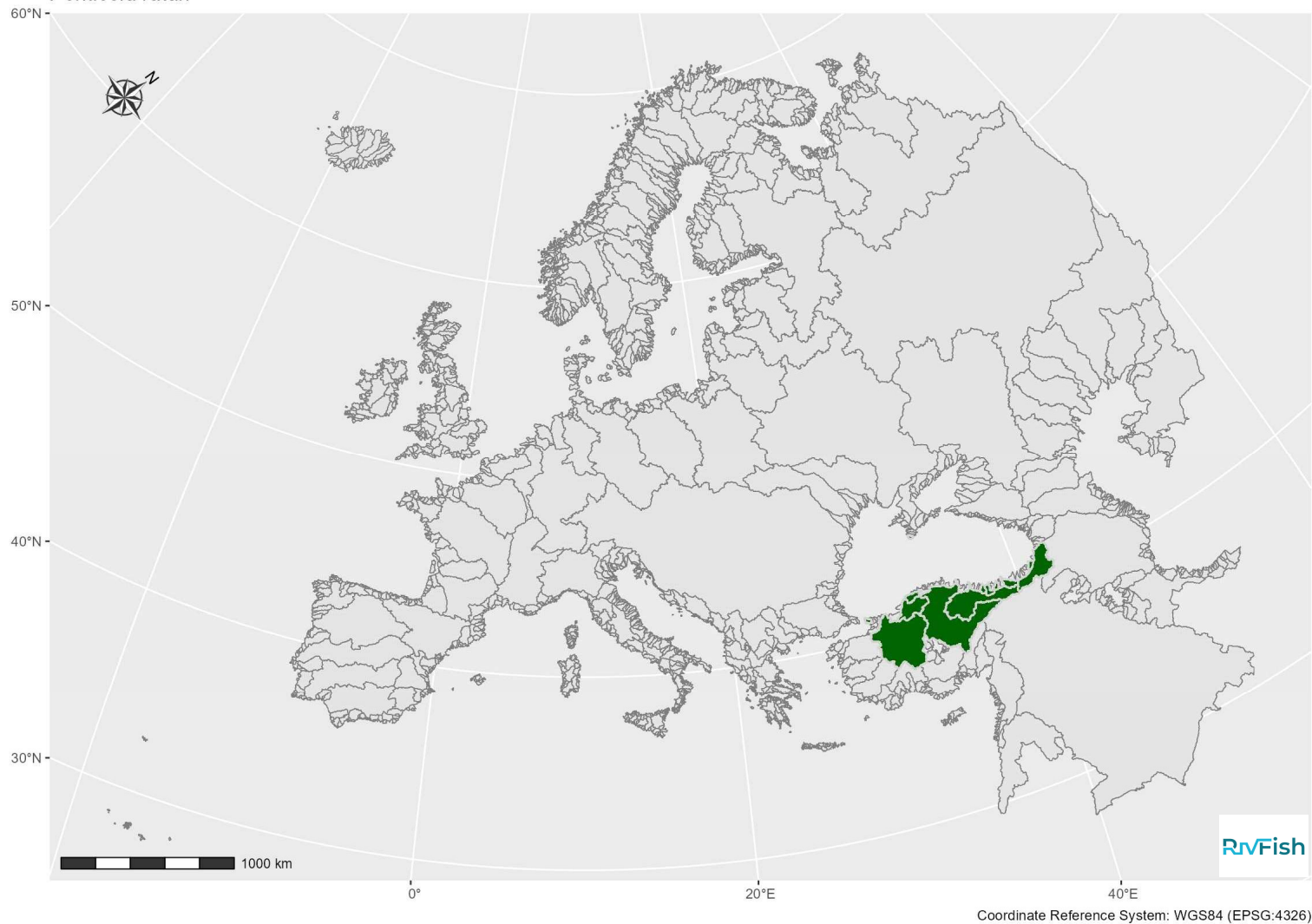
Ponticola kessleri



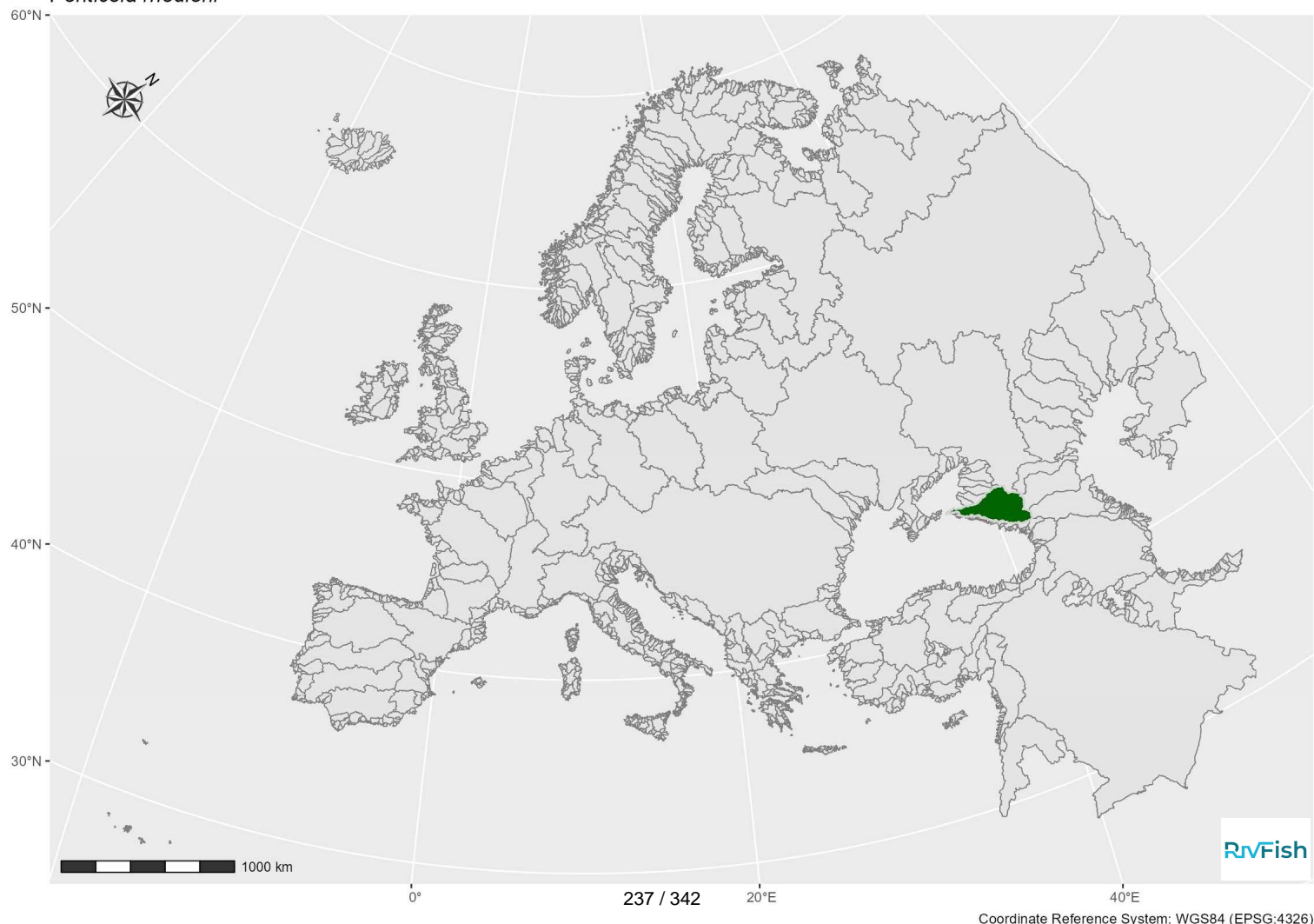
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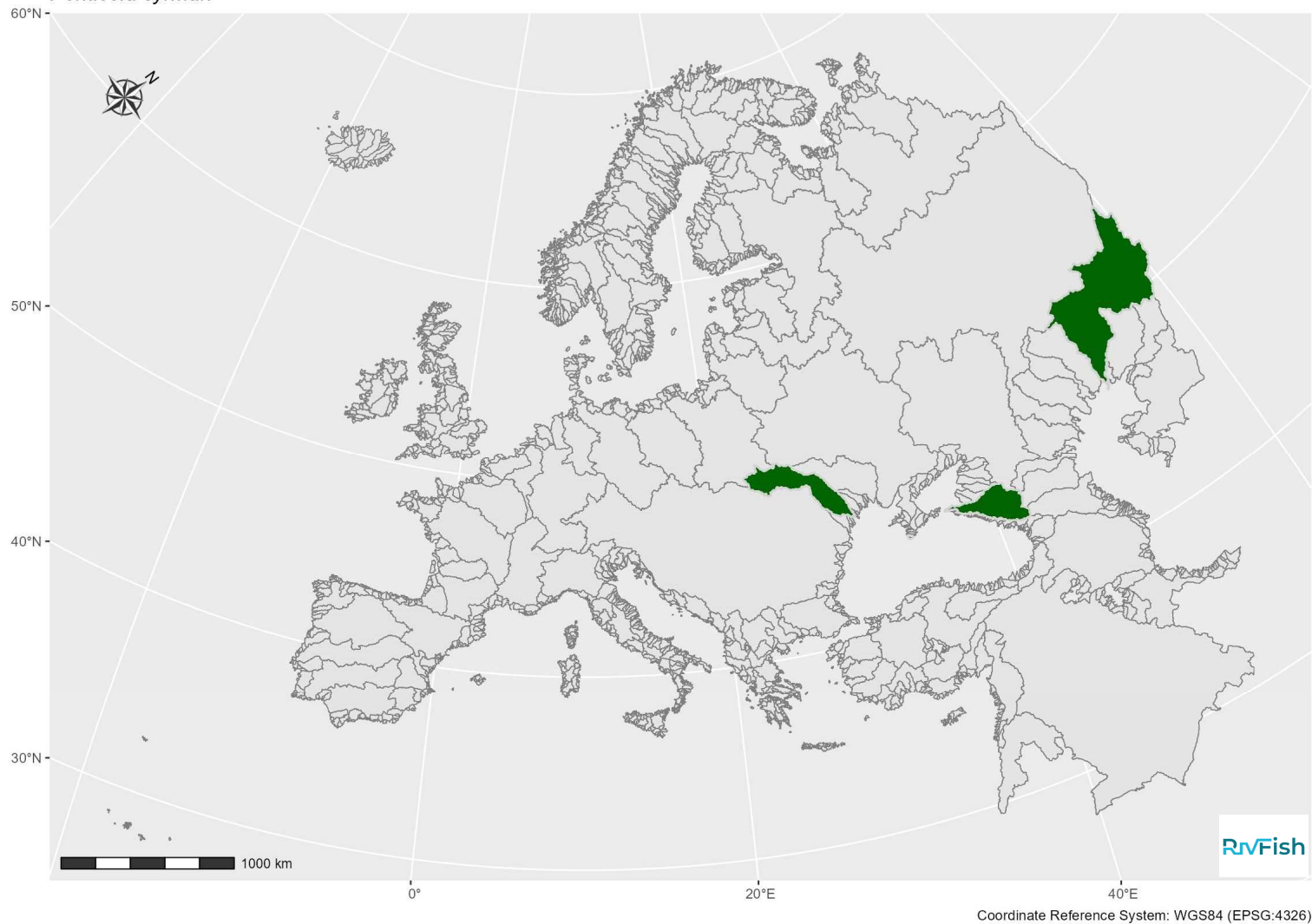
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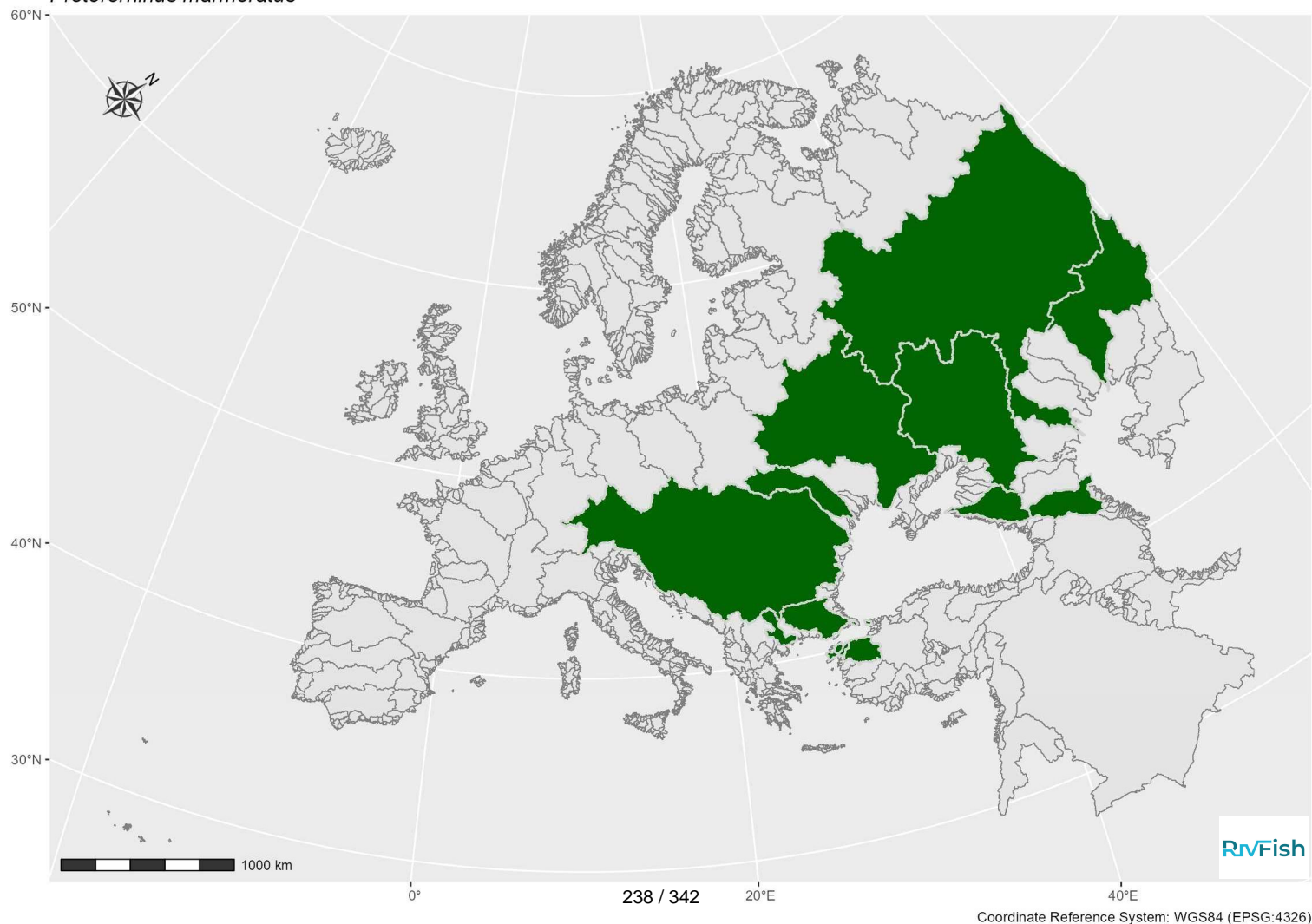
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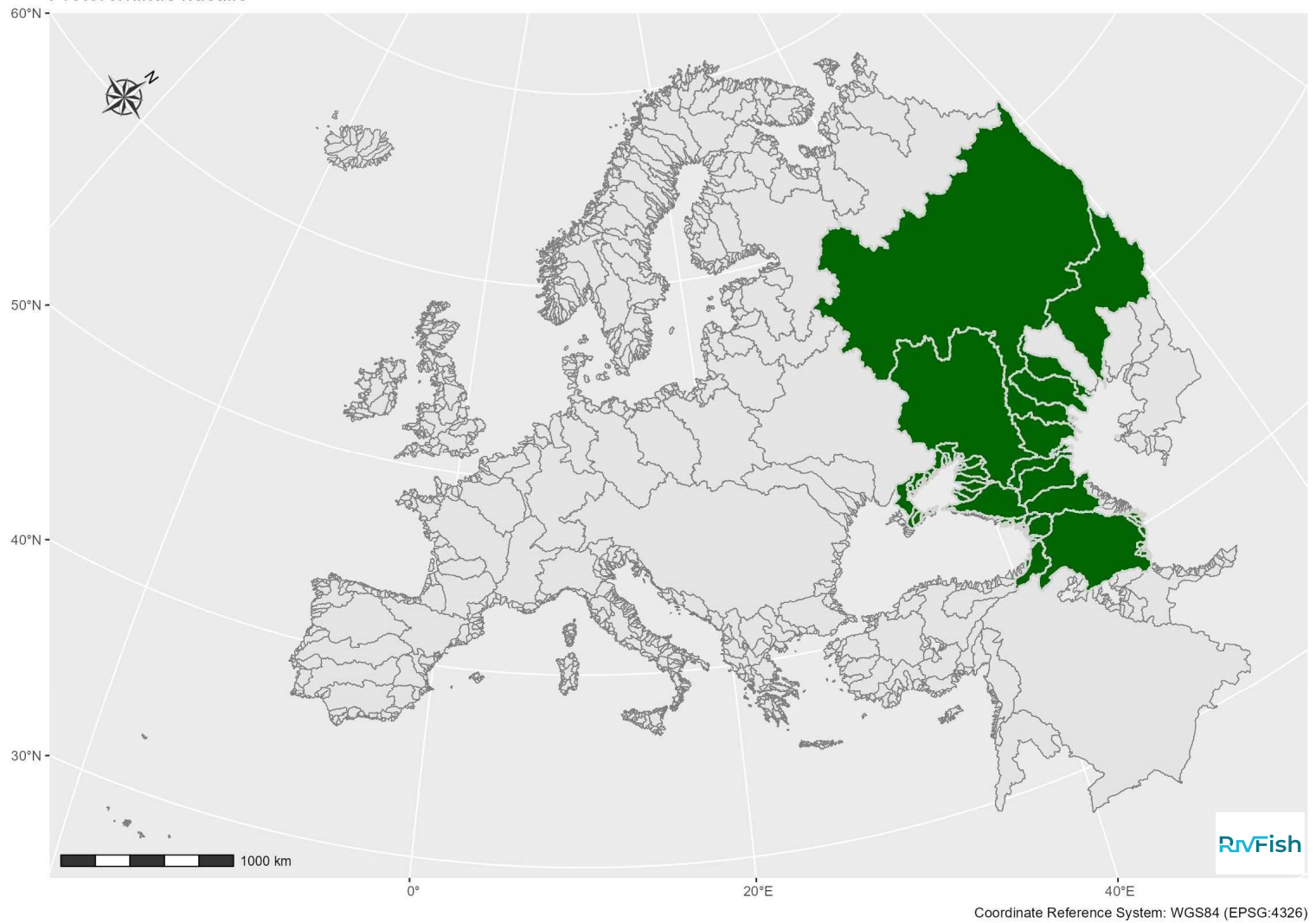
Ponticola syrman



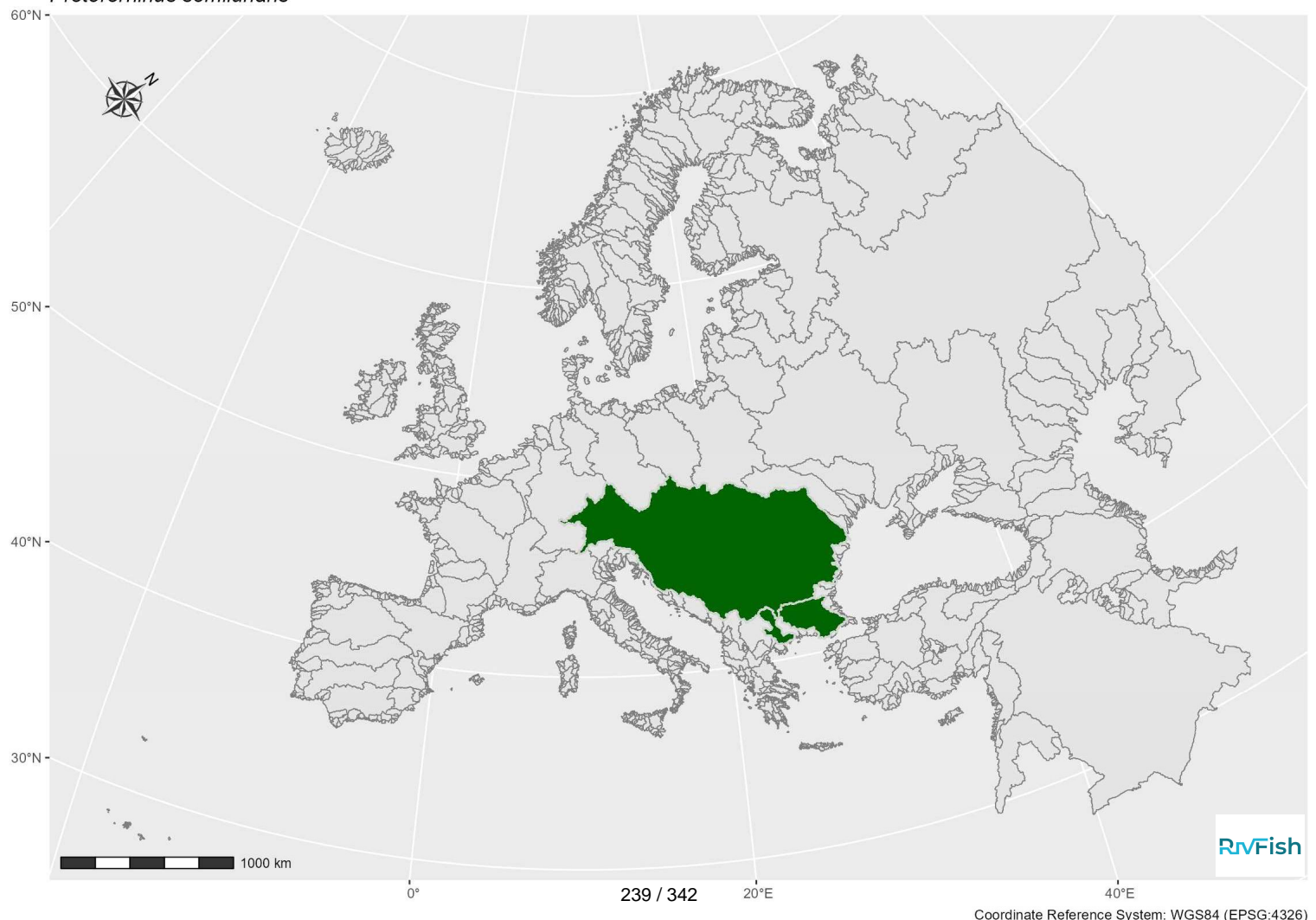
Proterorhinus marmoratus



Proterorhinus nasalis



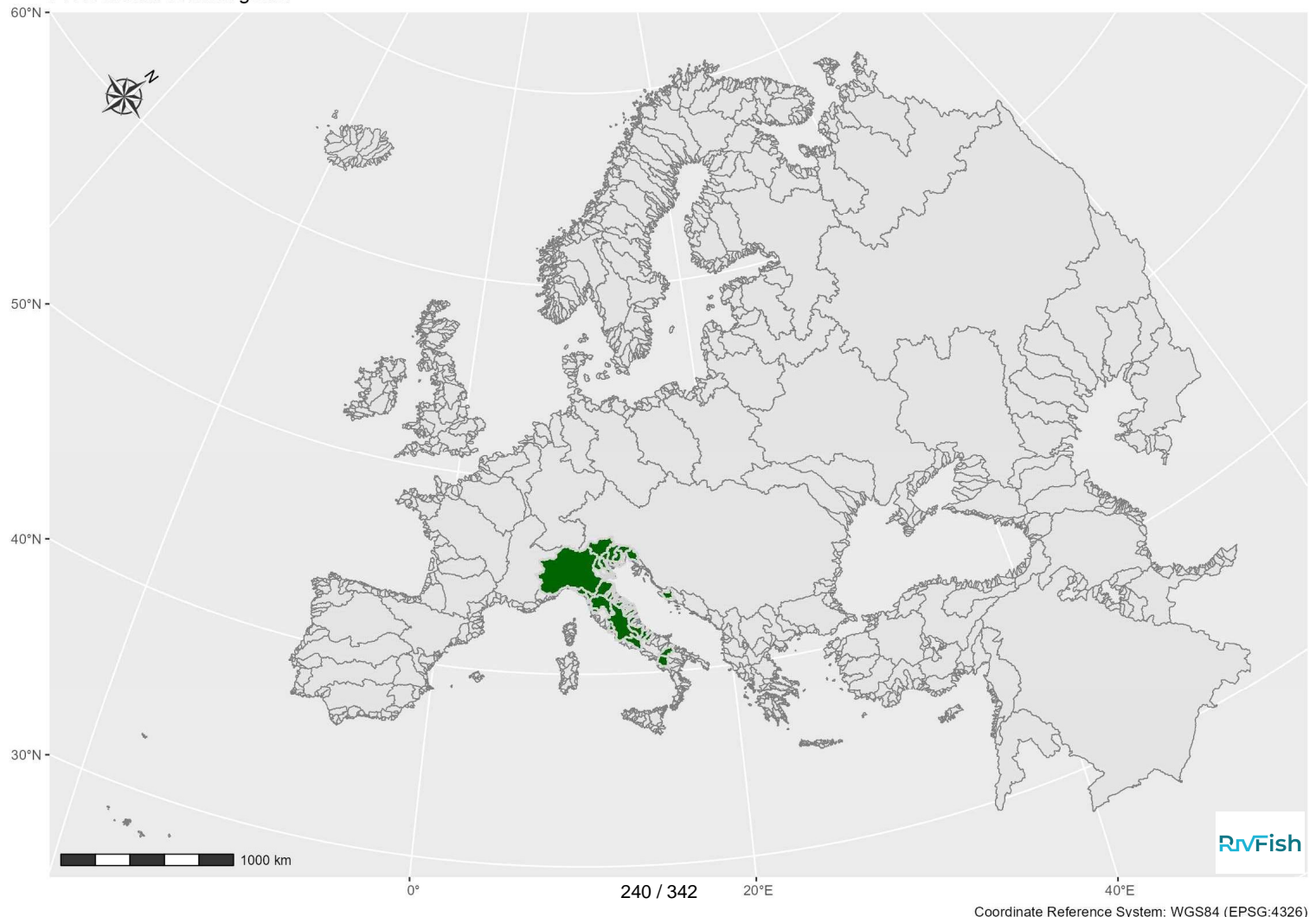
Proterorhinus semilunaris



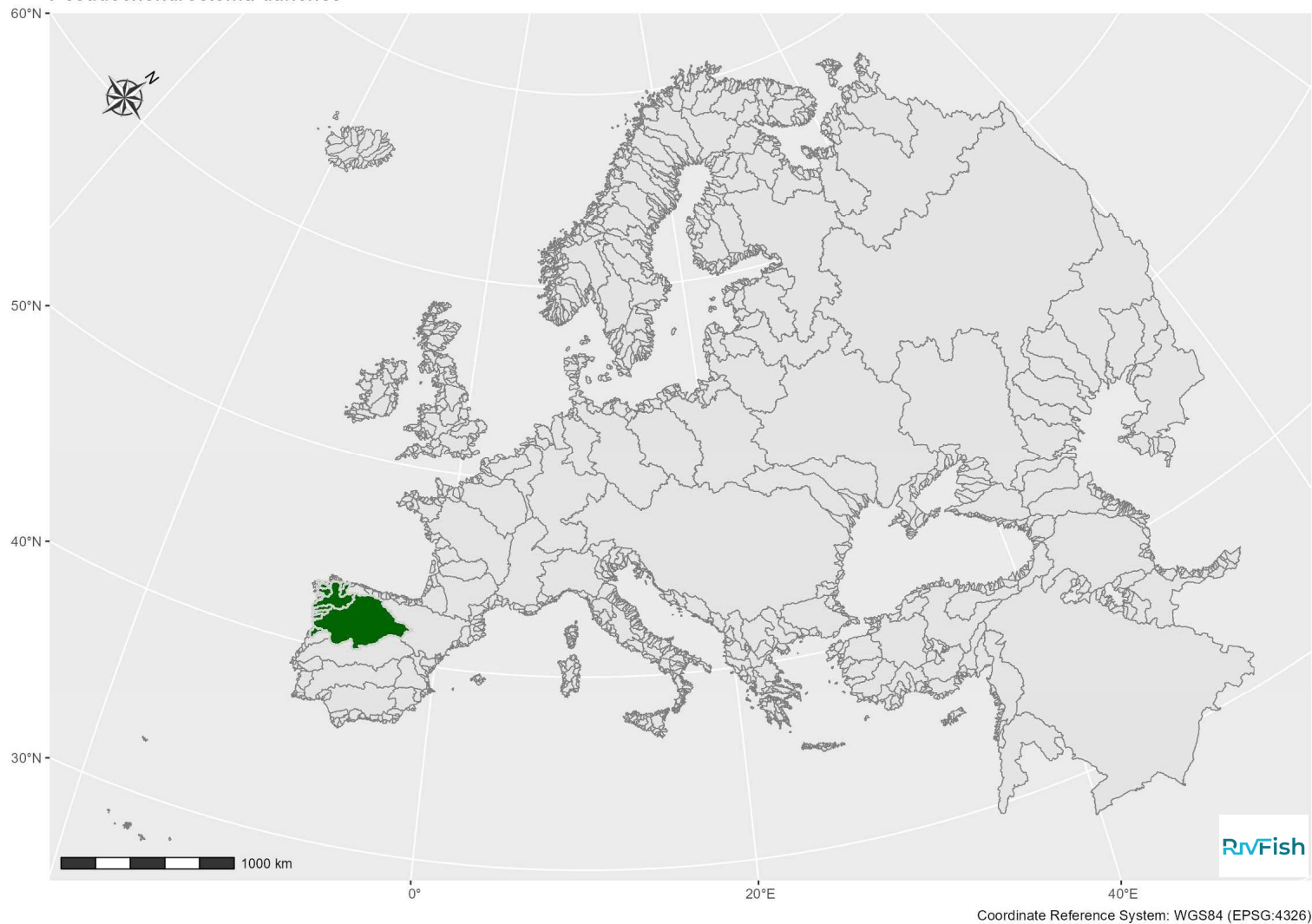
Proterorhinus tataricus



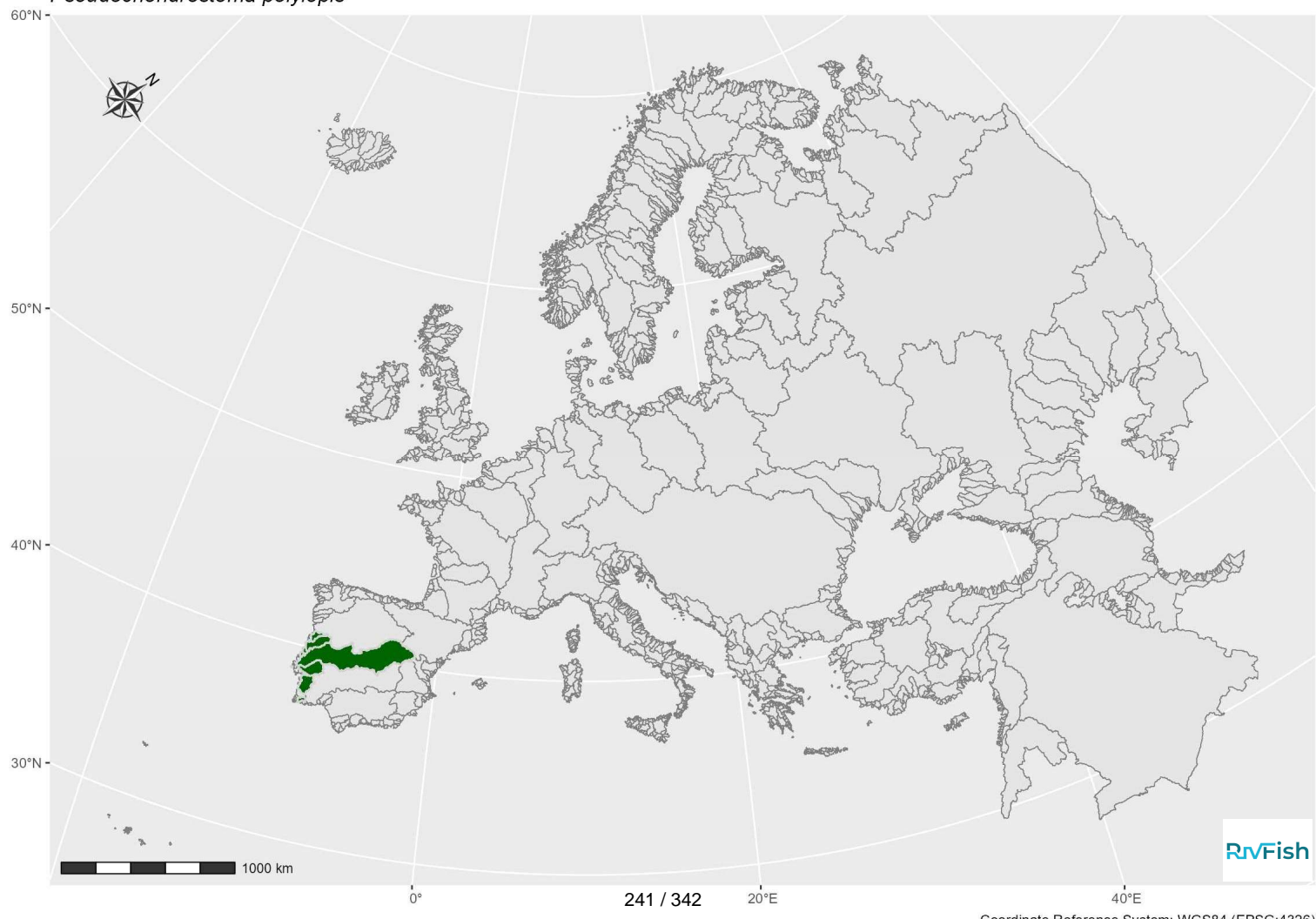
Protochondrostoma genei



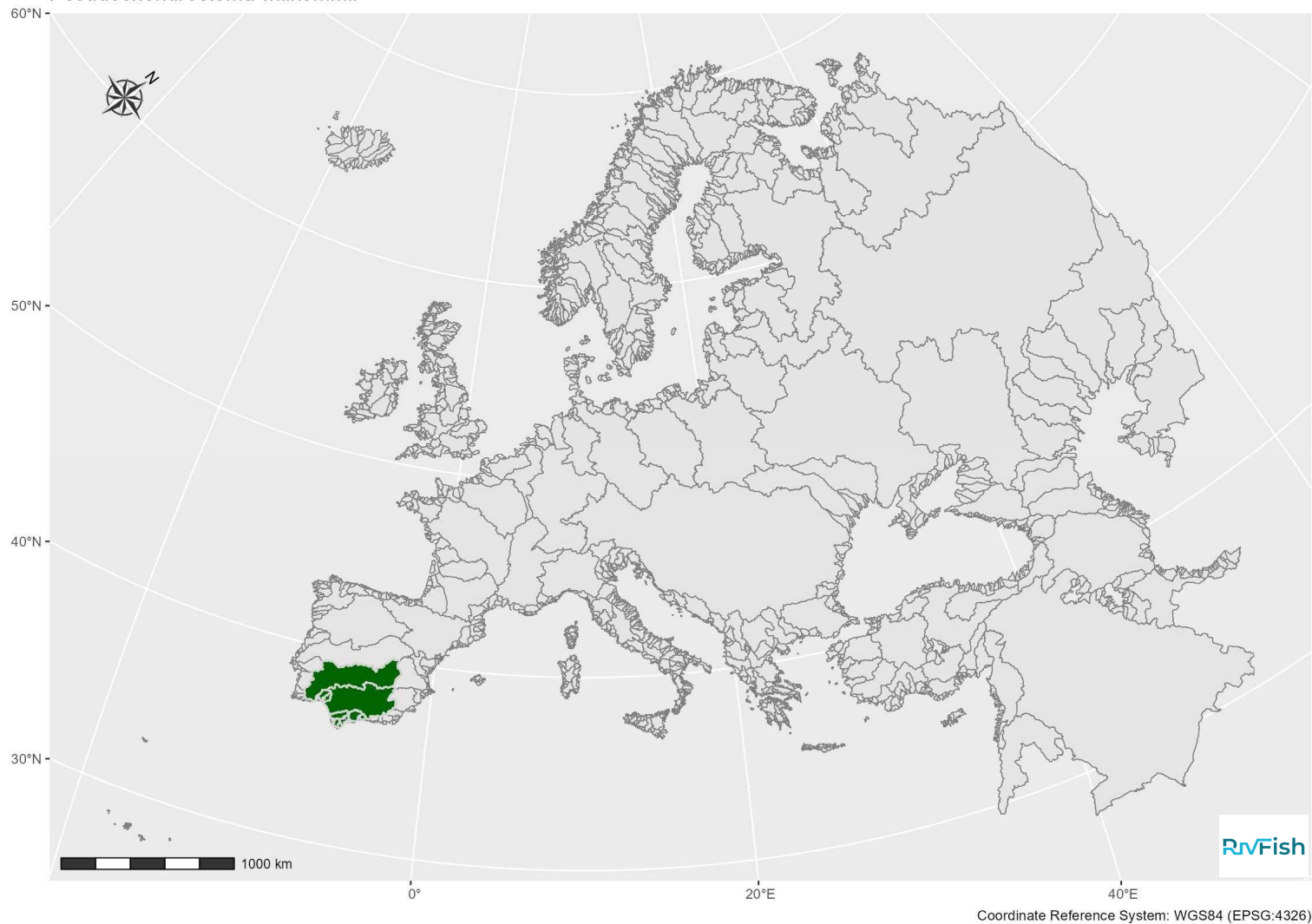
Pseudochondrostoma duriense



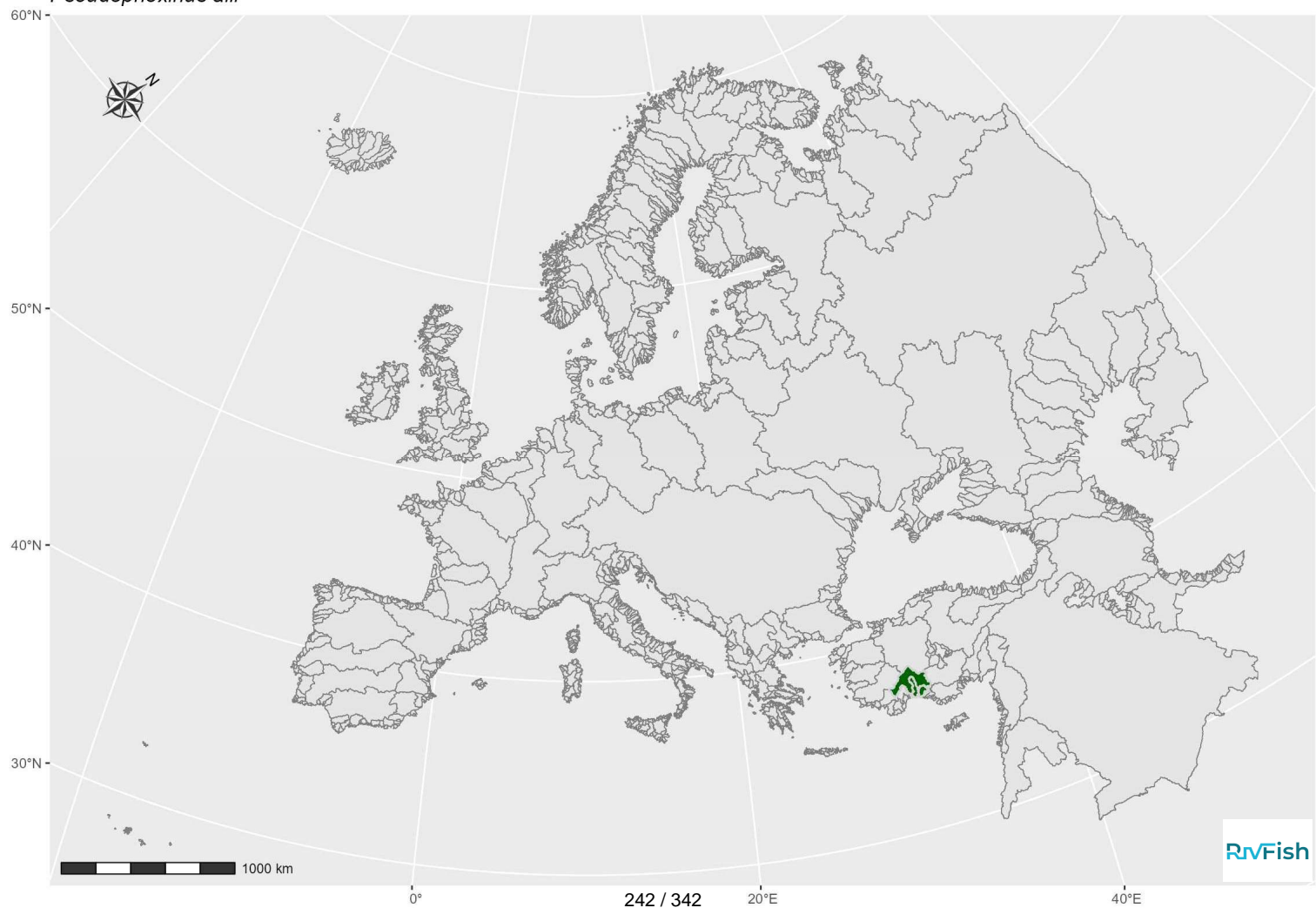
Pseudochondrostoma polylepis



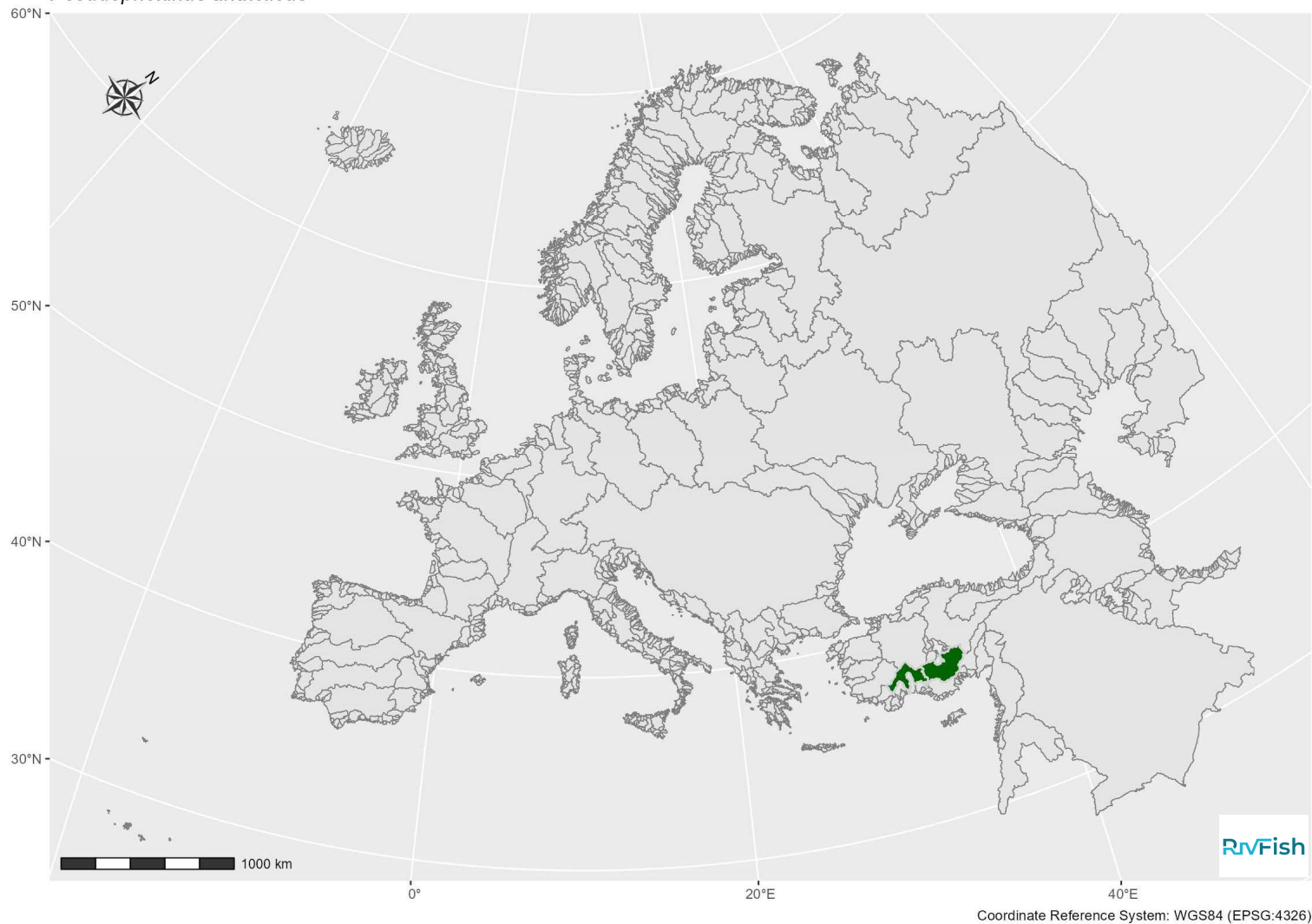
Pseudochondrostoma willkommii



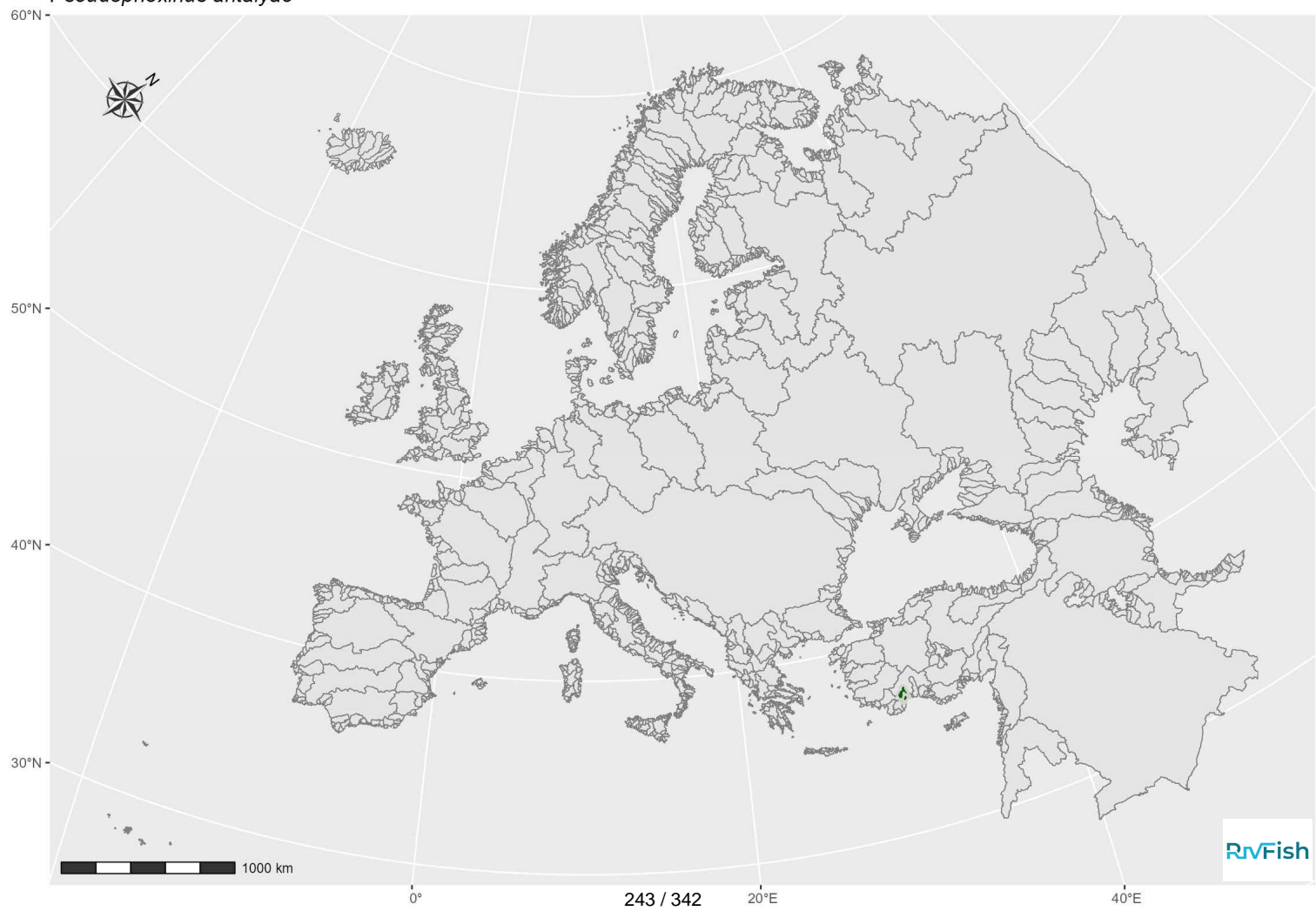
Pseudophoxinus alii



Pseudophoxinus anatolicus



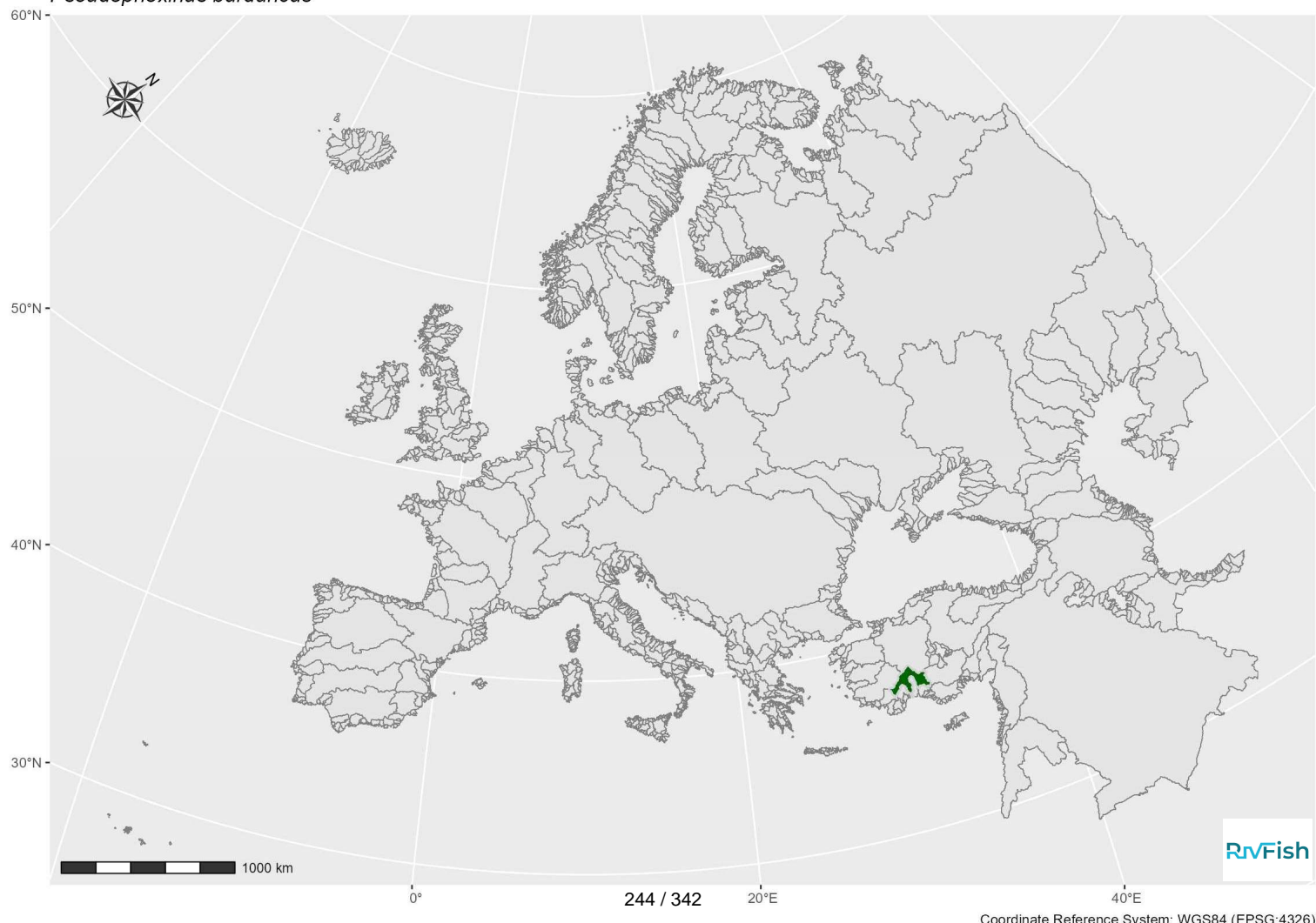
Pseudophoxinus antalyae



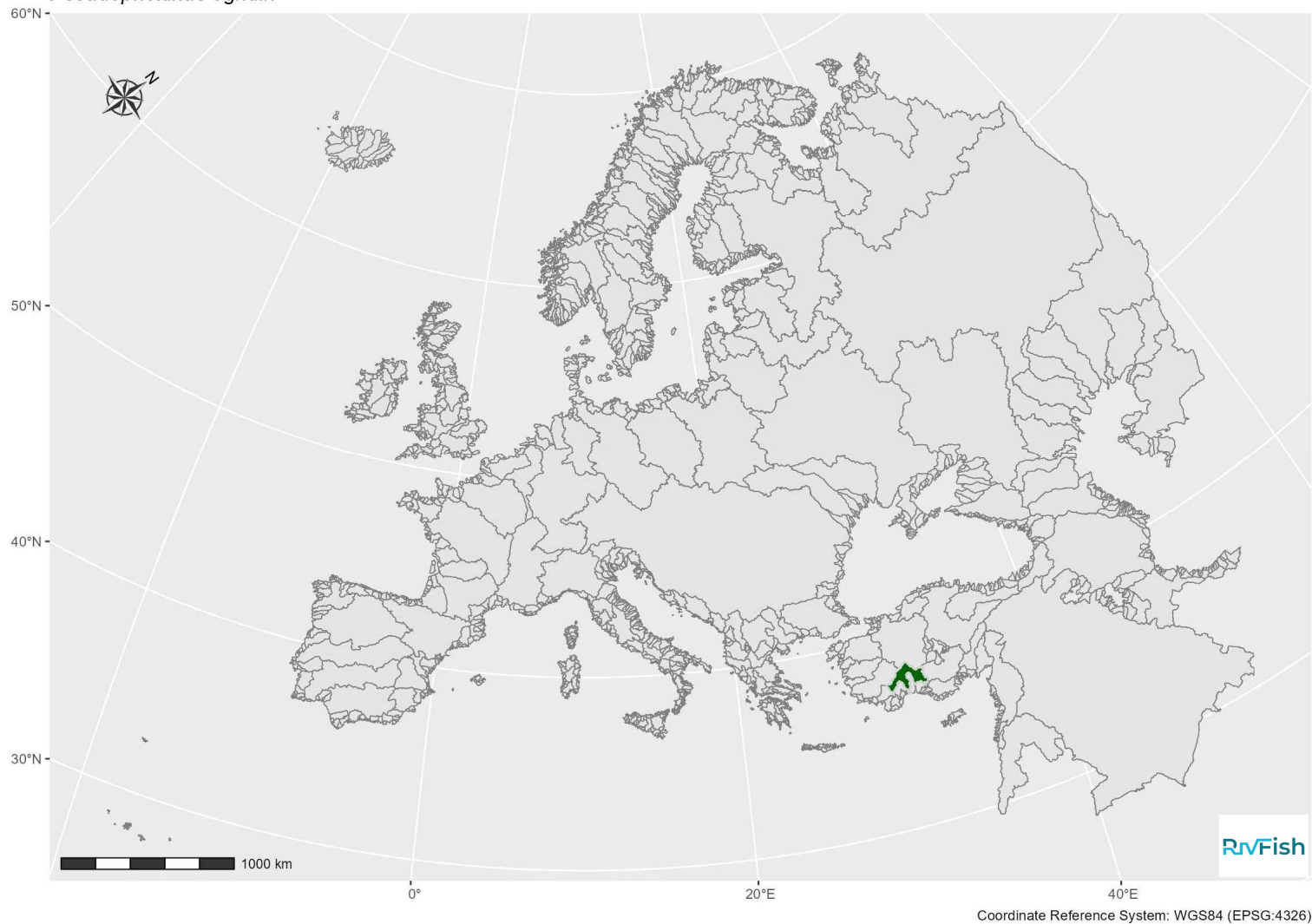
Pseudophoxinus battalgilae



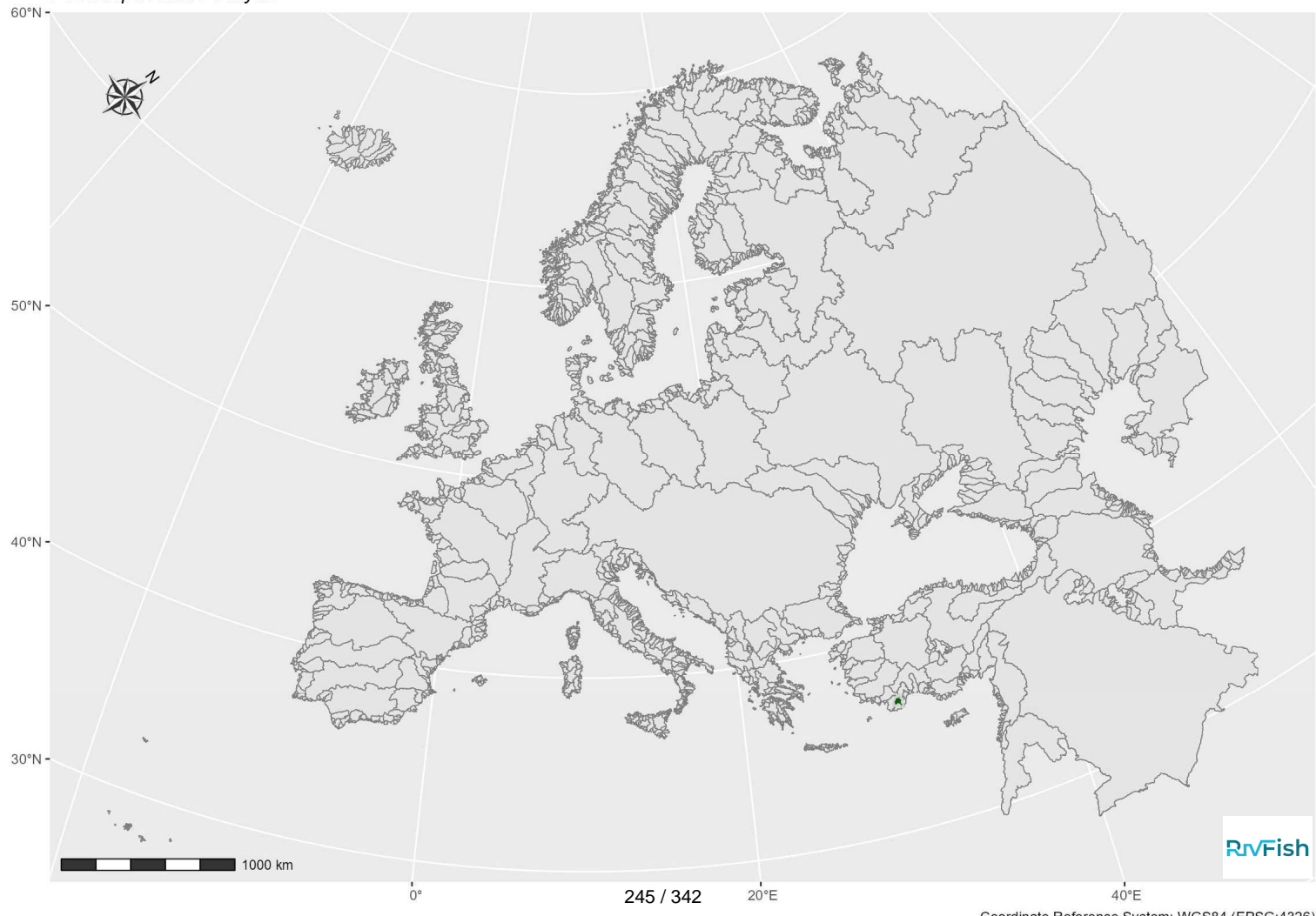
Pseudophoxinus burduricus



Pseudophoxinus egridiri



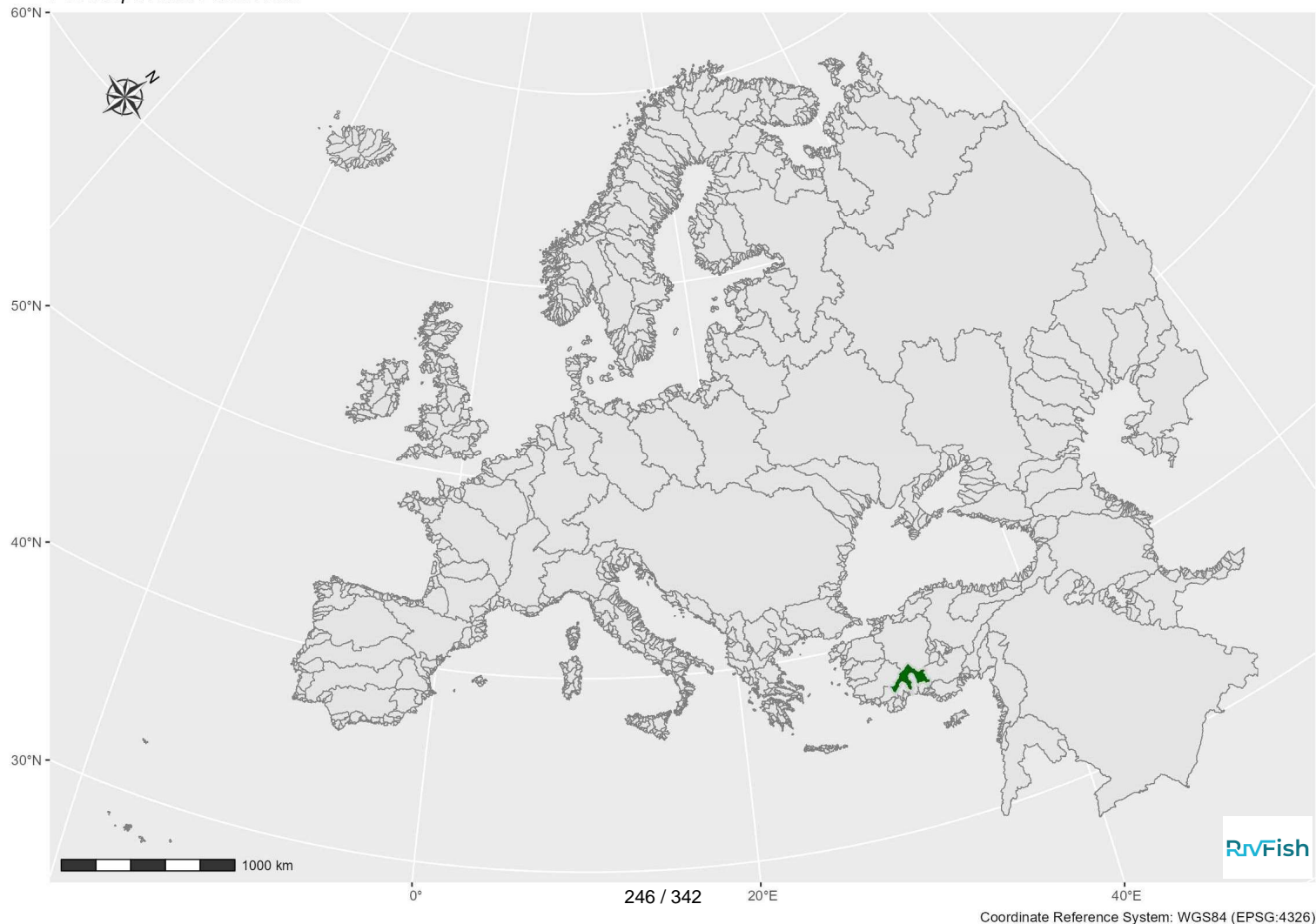
Pseudophoxinus evliyae



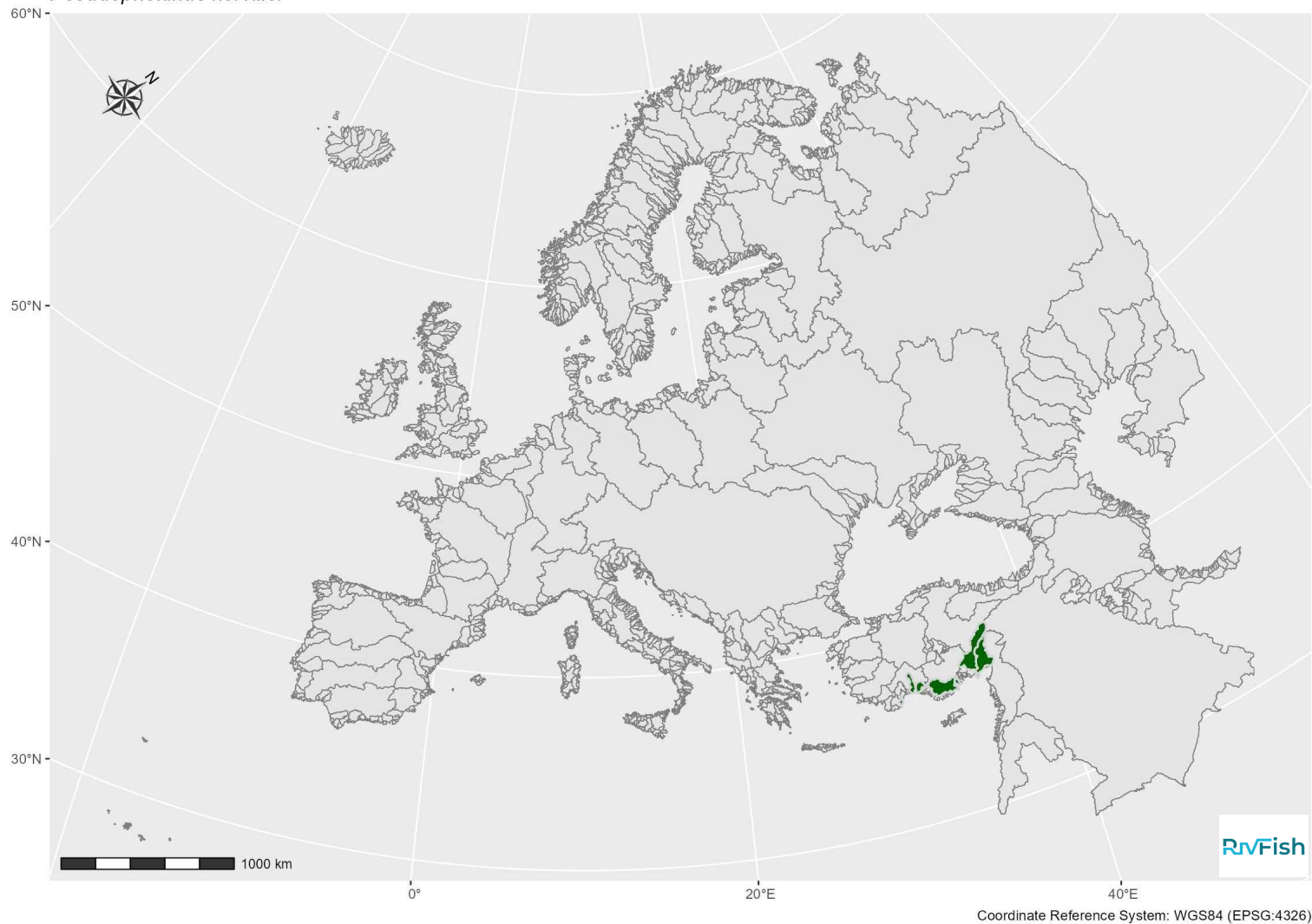
Pseudophoxinus fahrettini



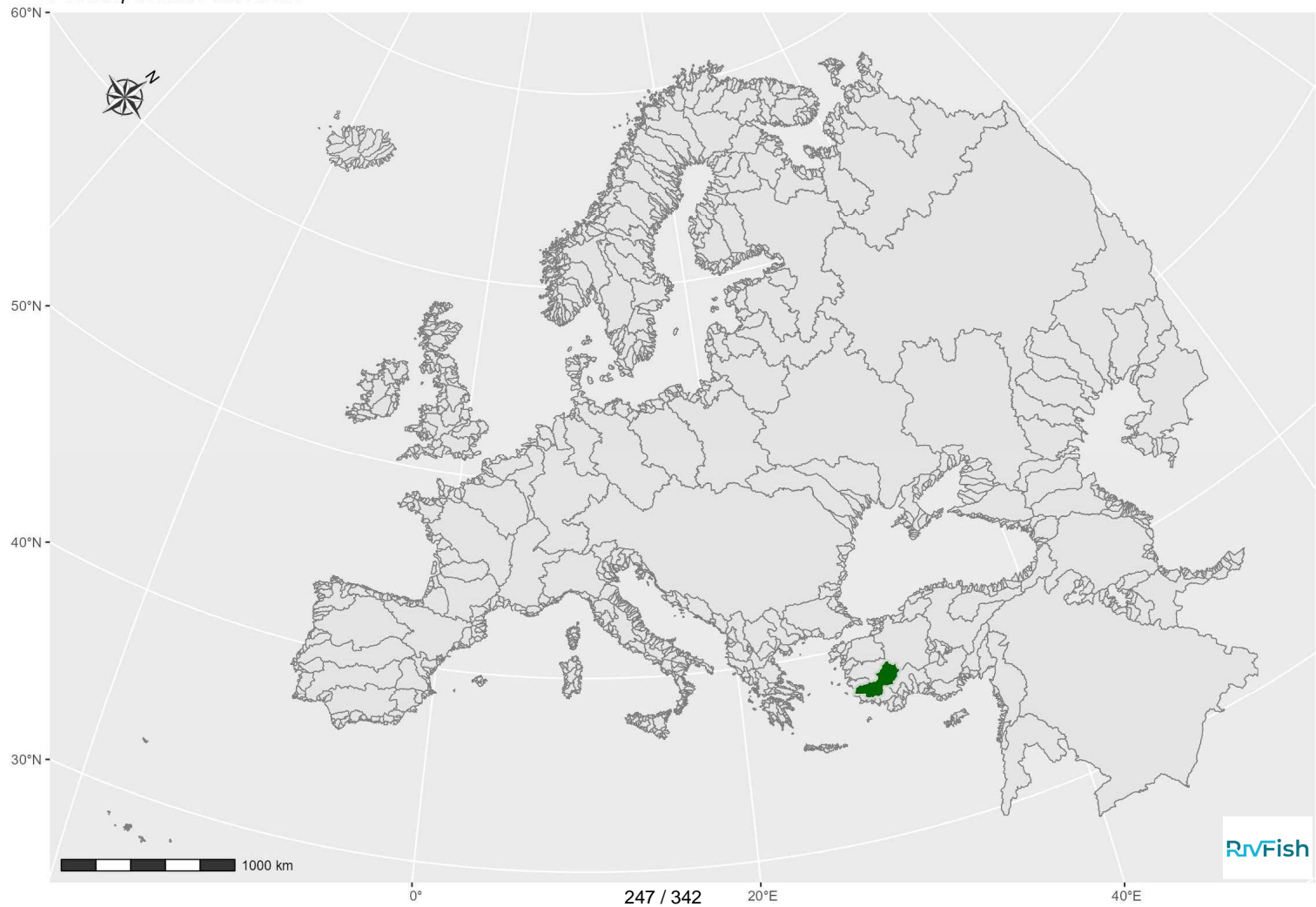
Pseudophoxinus hittitorum



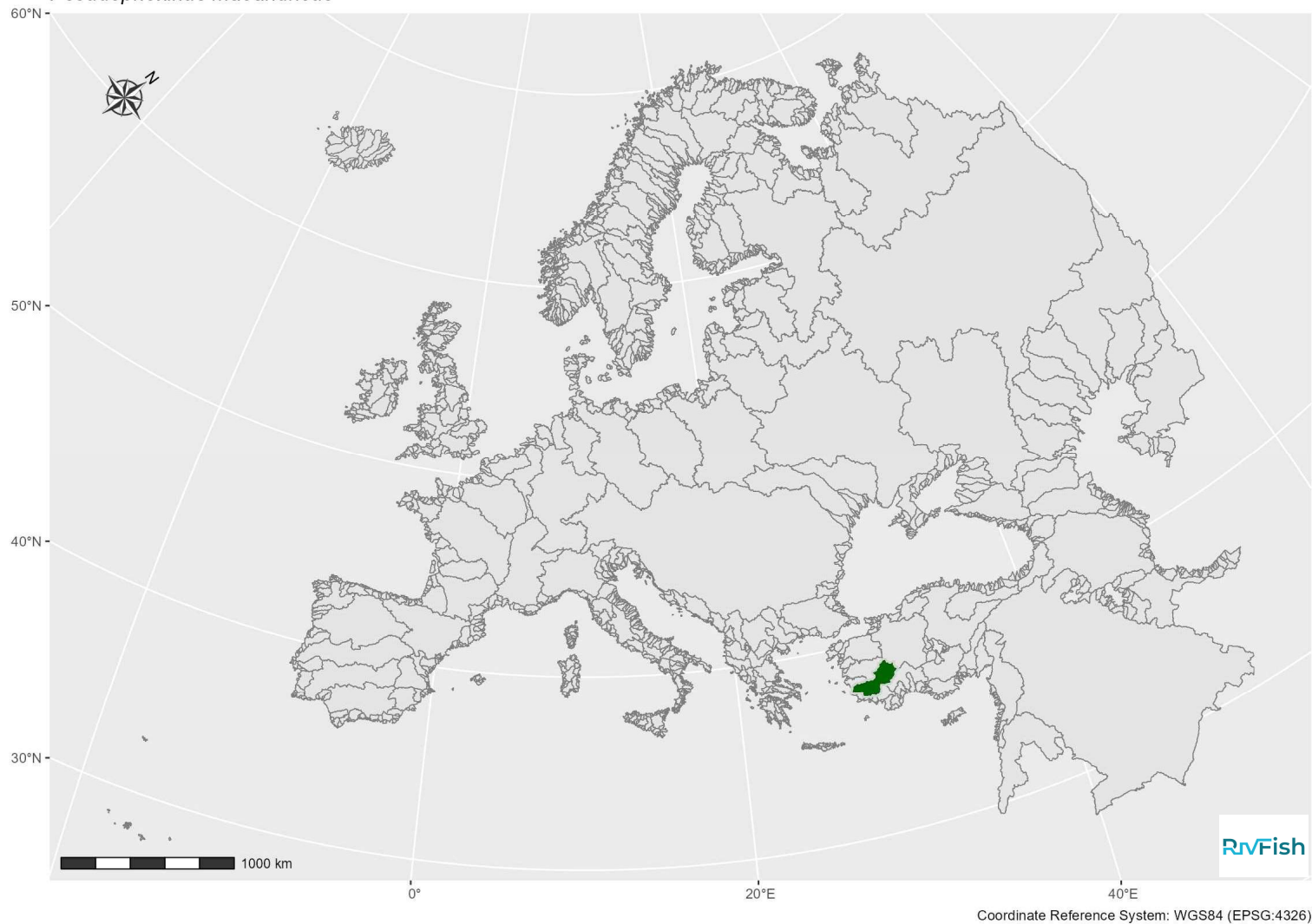
Pseudophoxinus kervillei



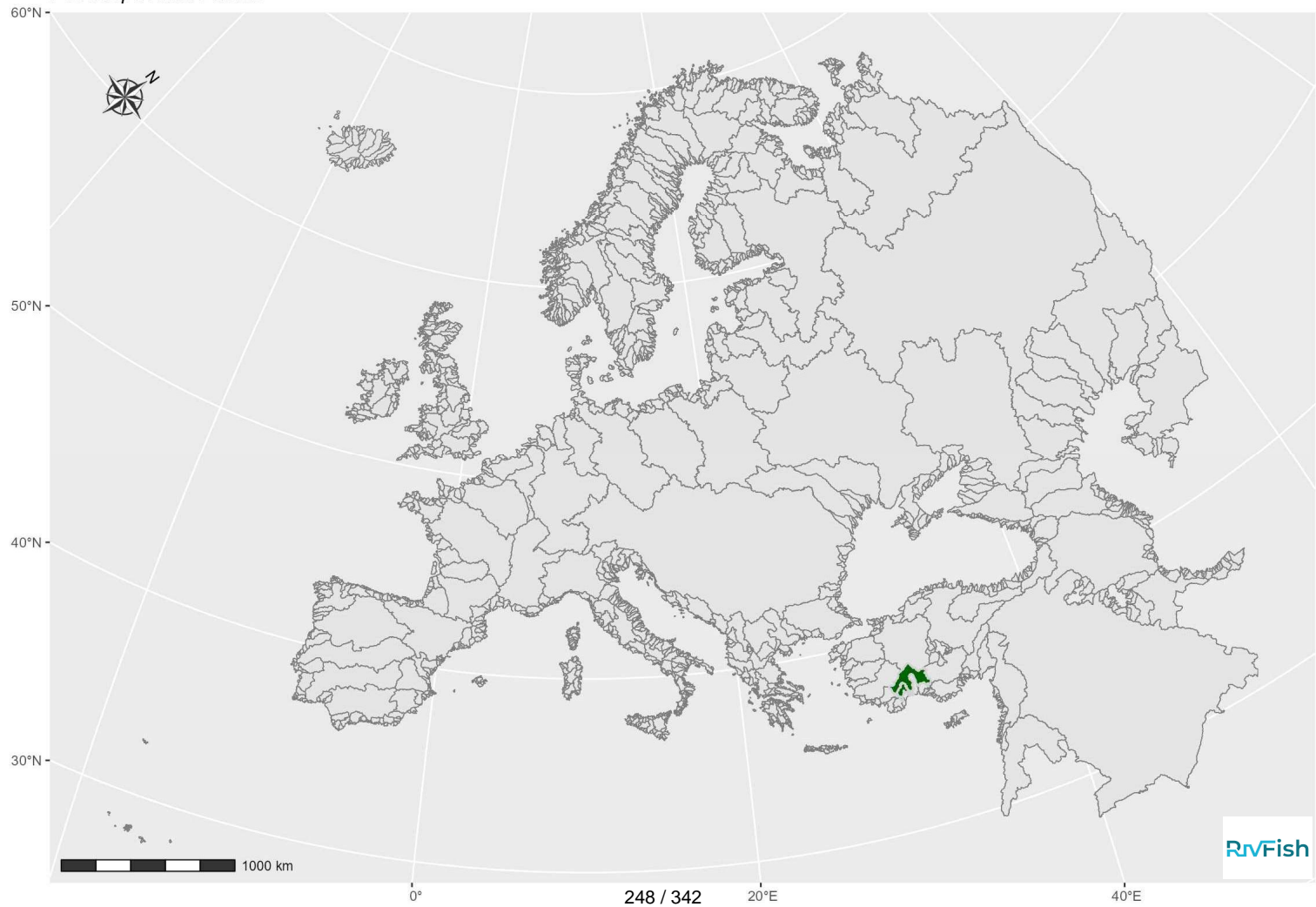
Pseudophoxinus maeandri



Pseudophoxinus maeandricus



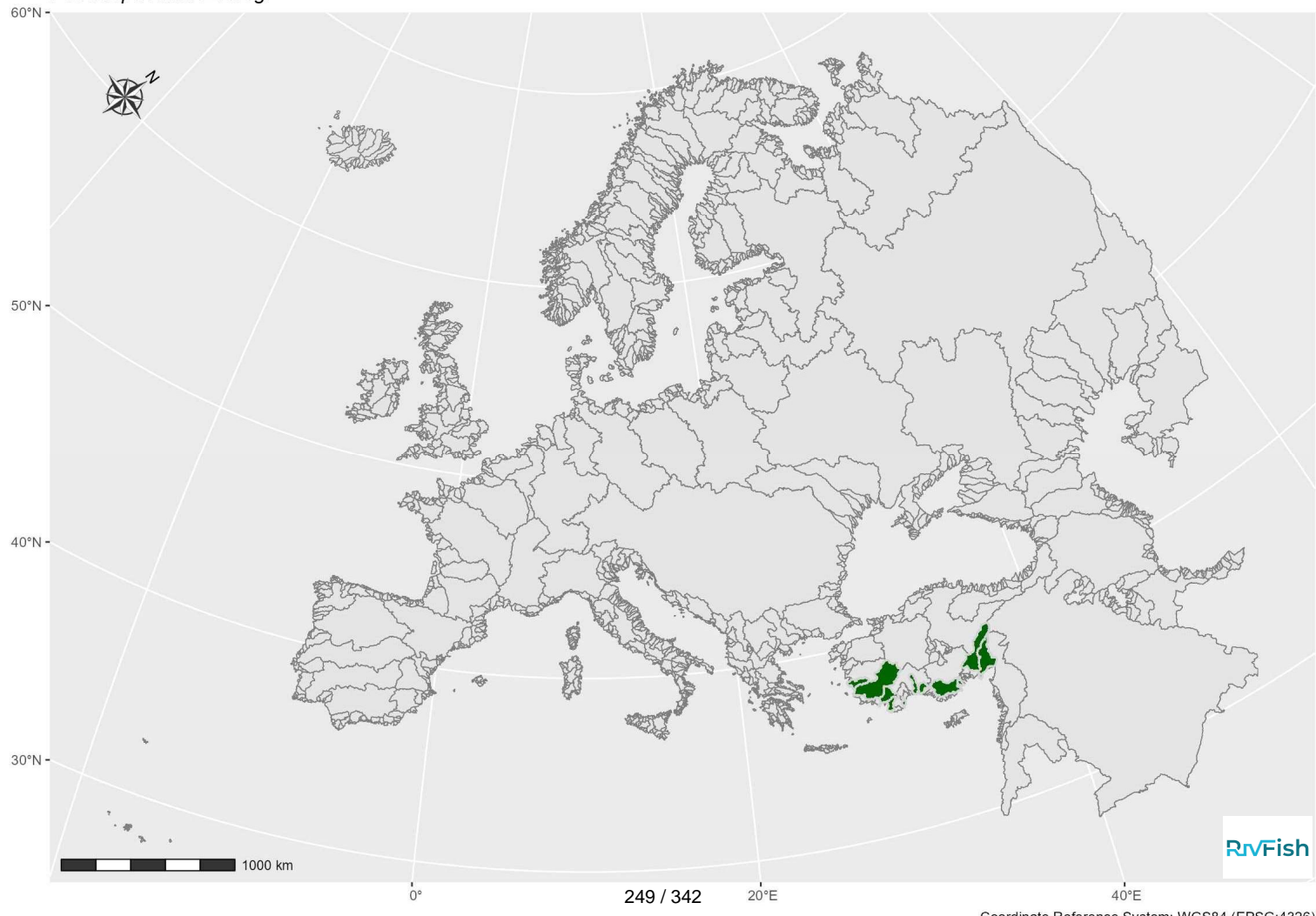
Pseudophoxinus ninae



Pseudophoxinus zekayi



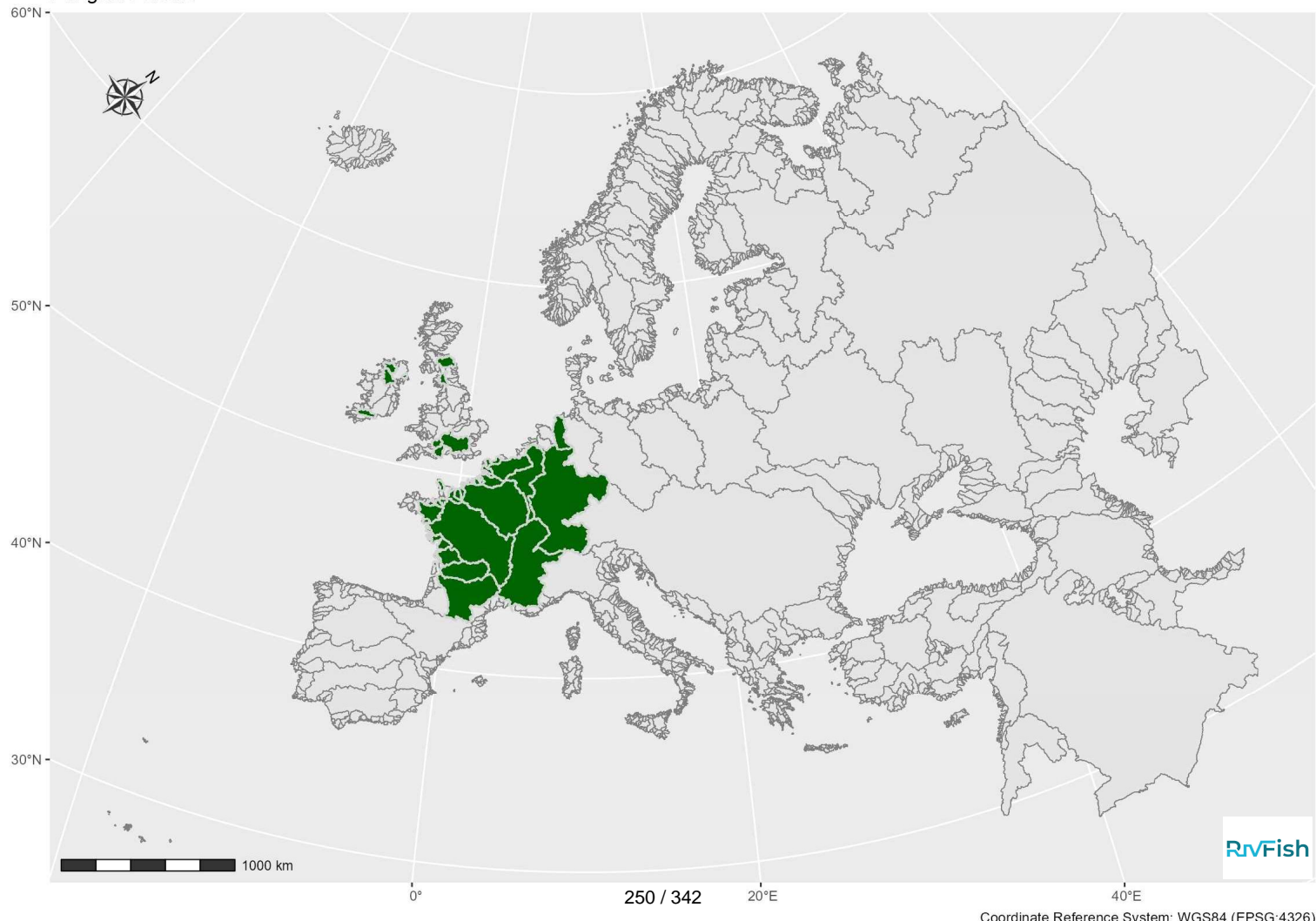
Pseudophoxinus zeregi



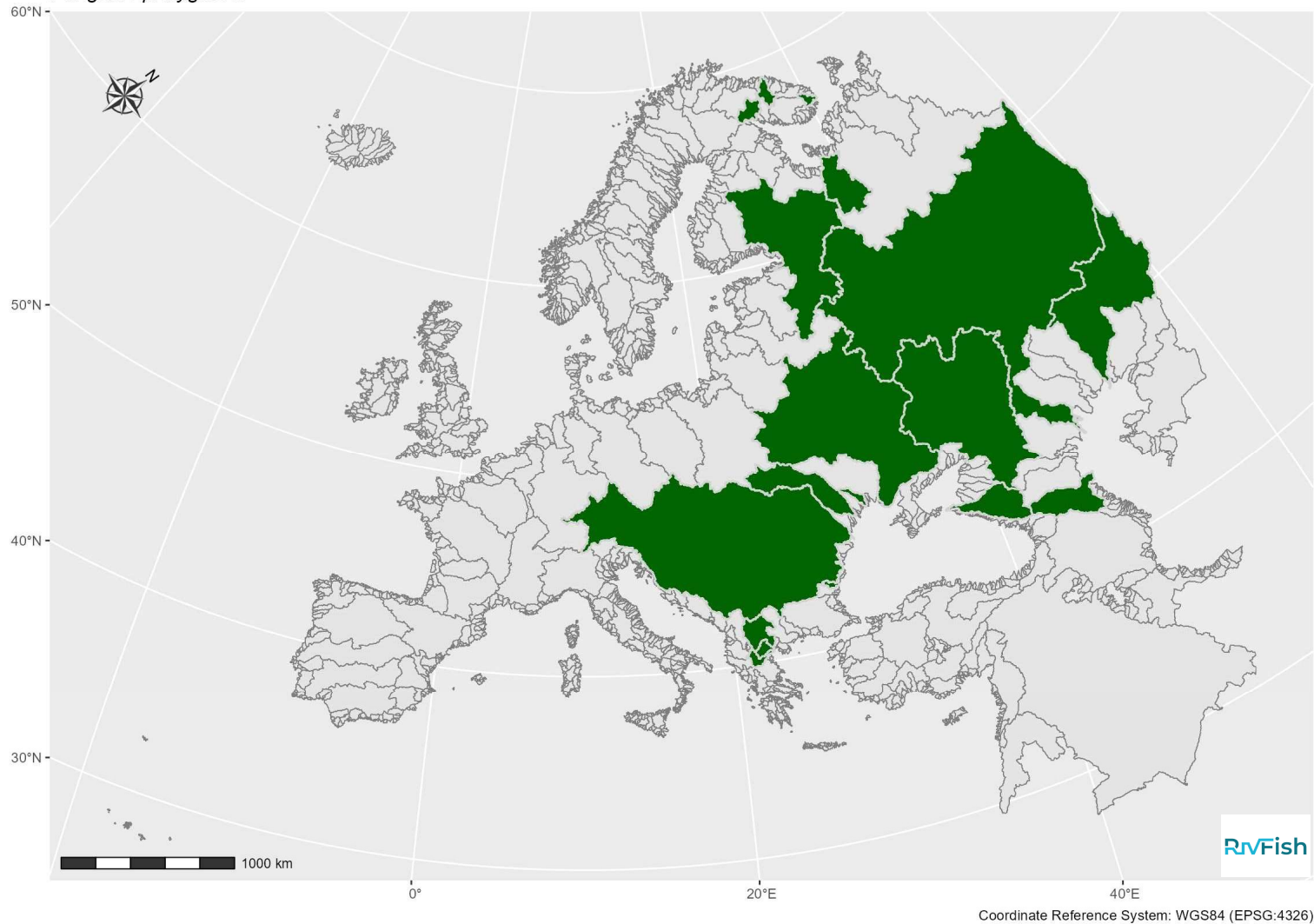
Pungitius hellenicus



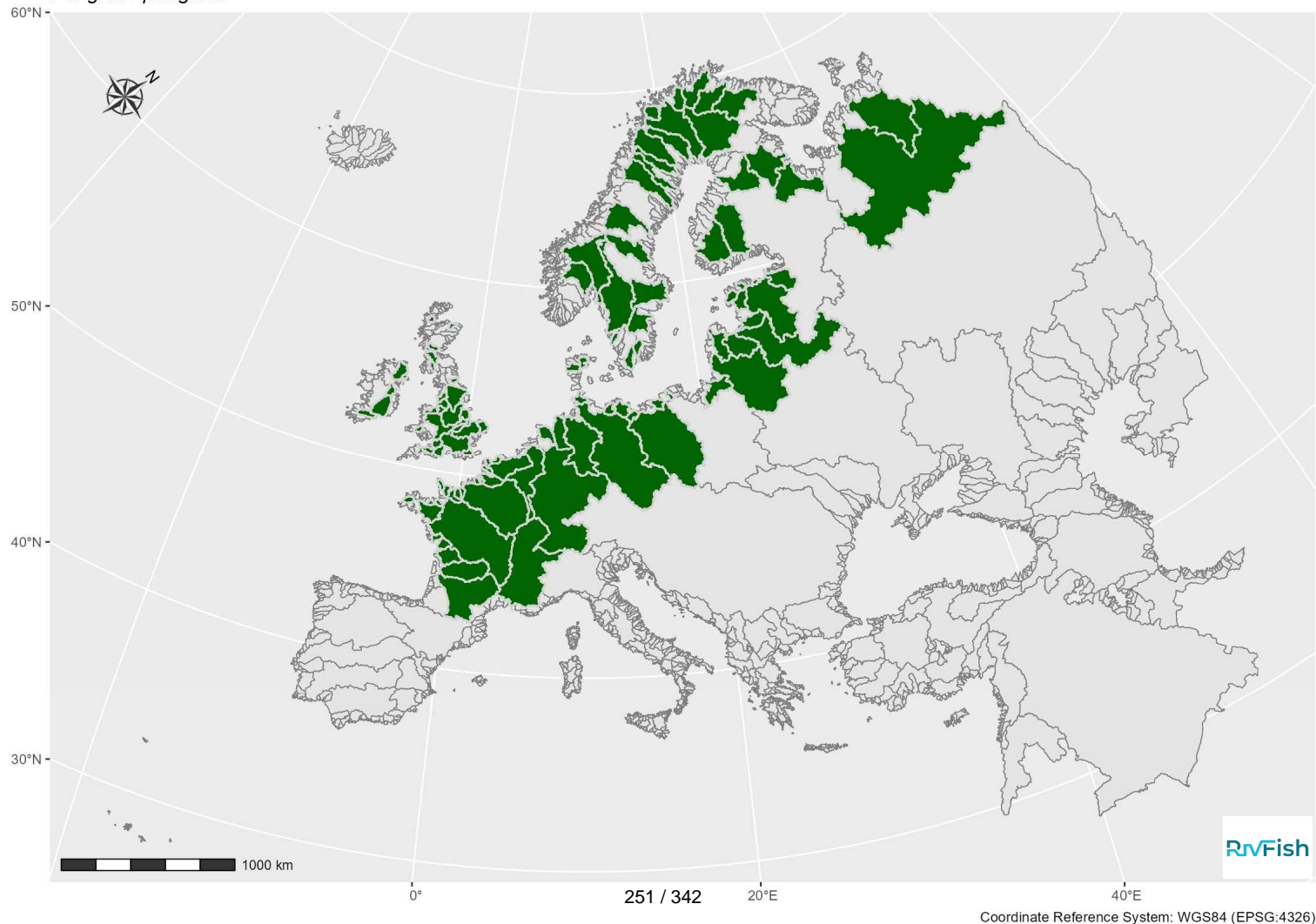
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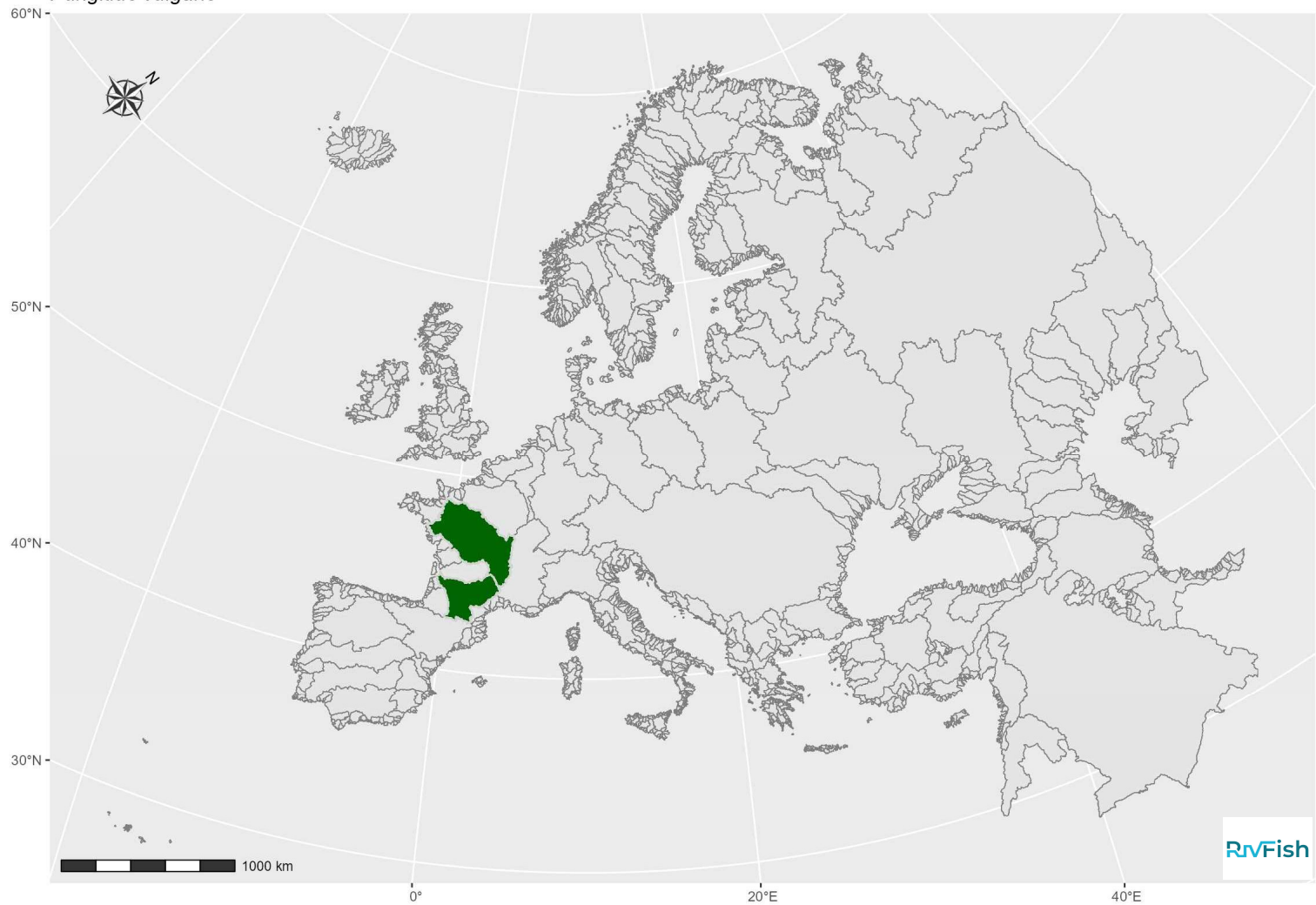
Pungitius platygaster



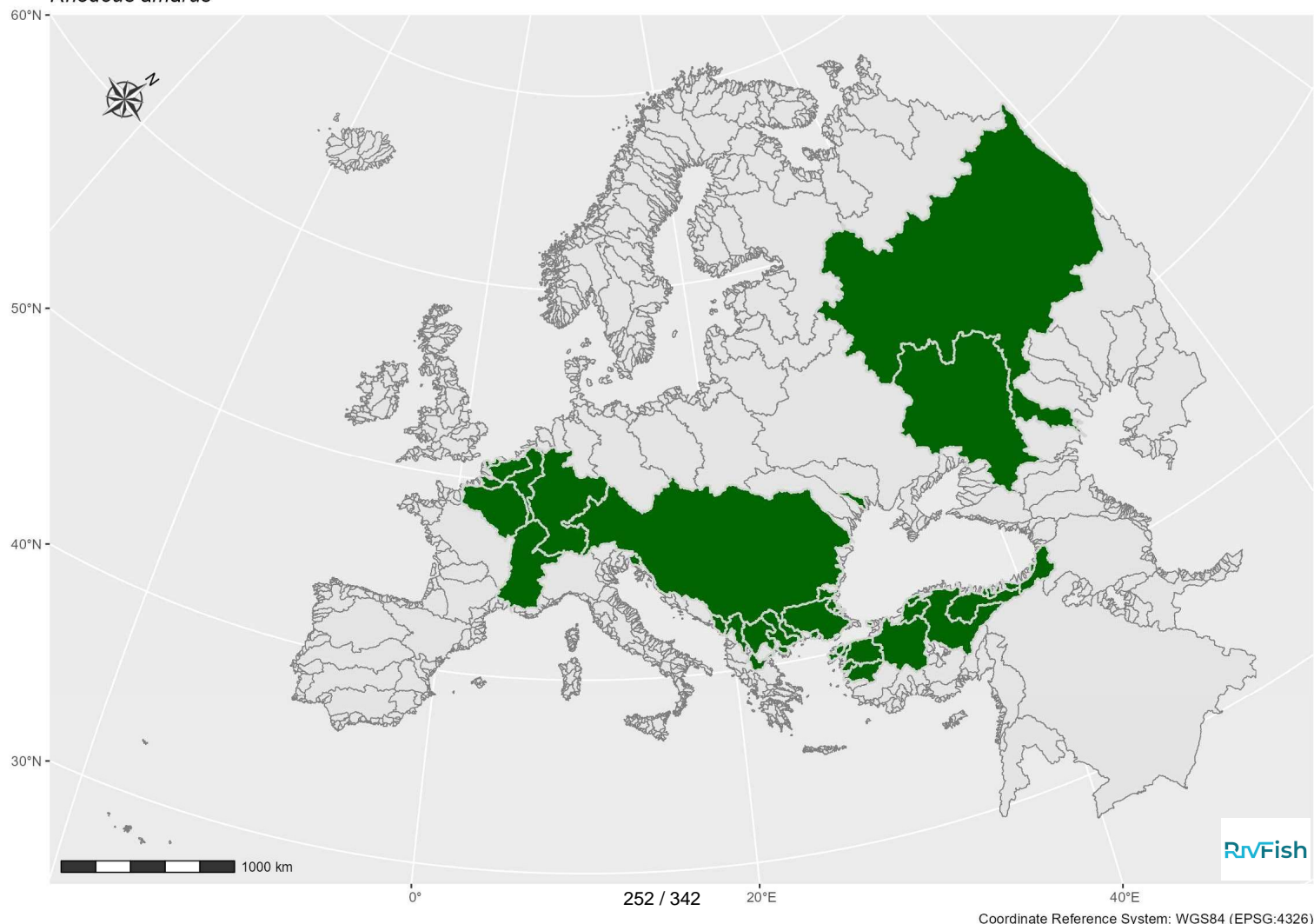
Pungitius pungitius



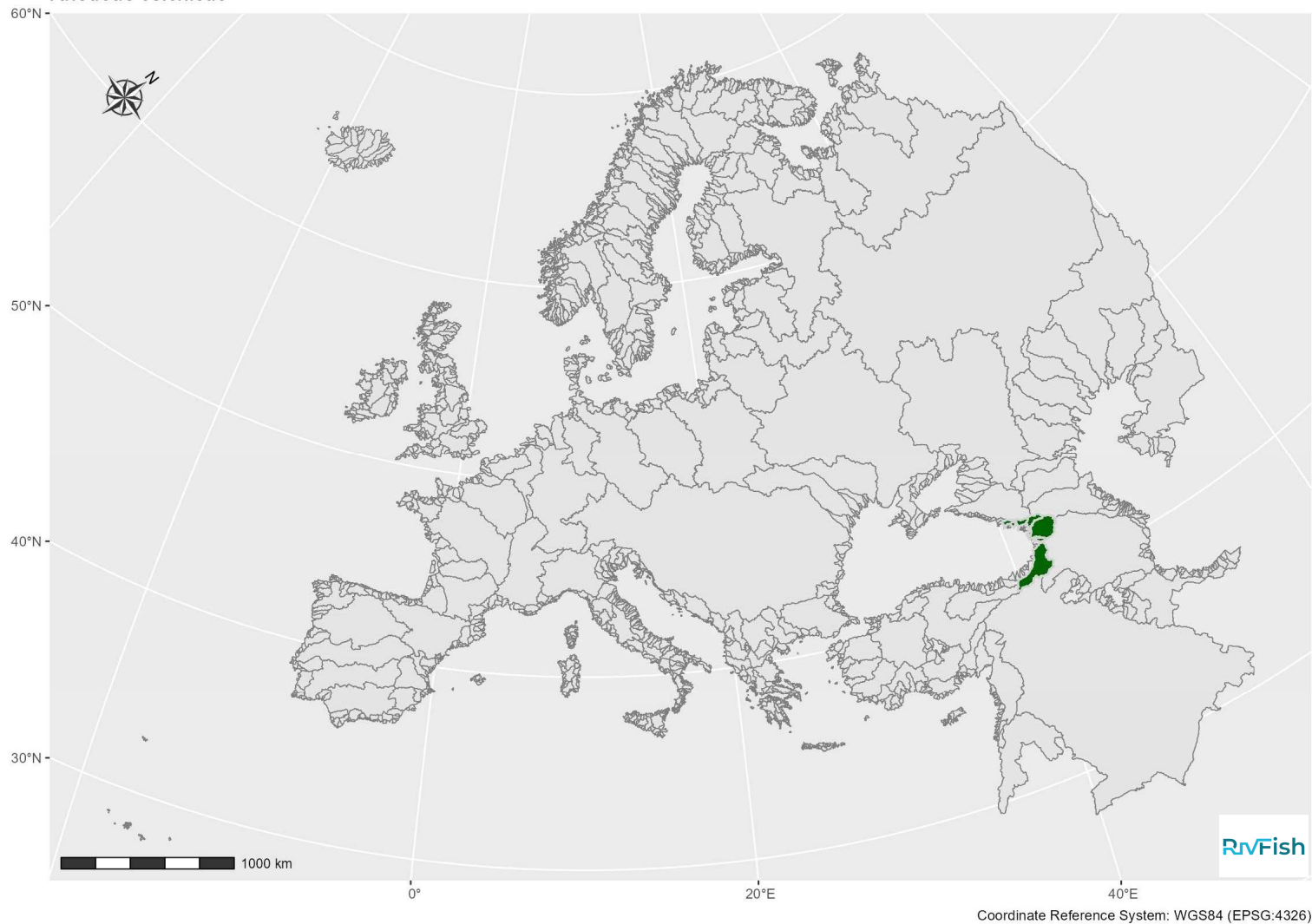
Pungitius vulgaris



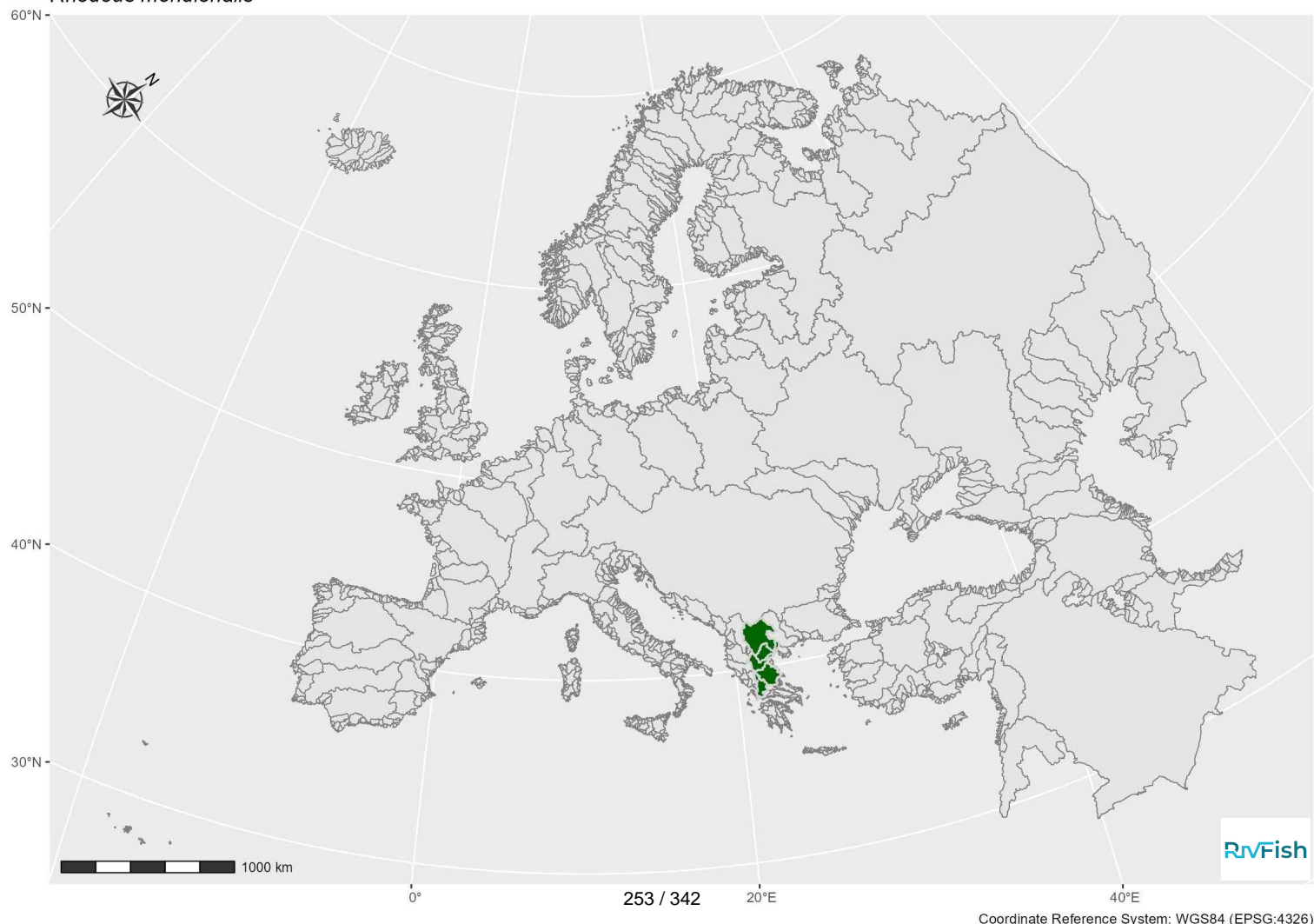
Rhodeus amarus



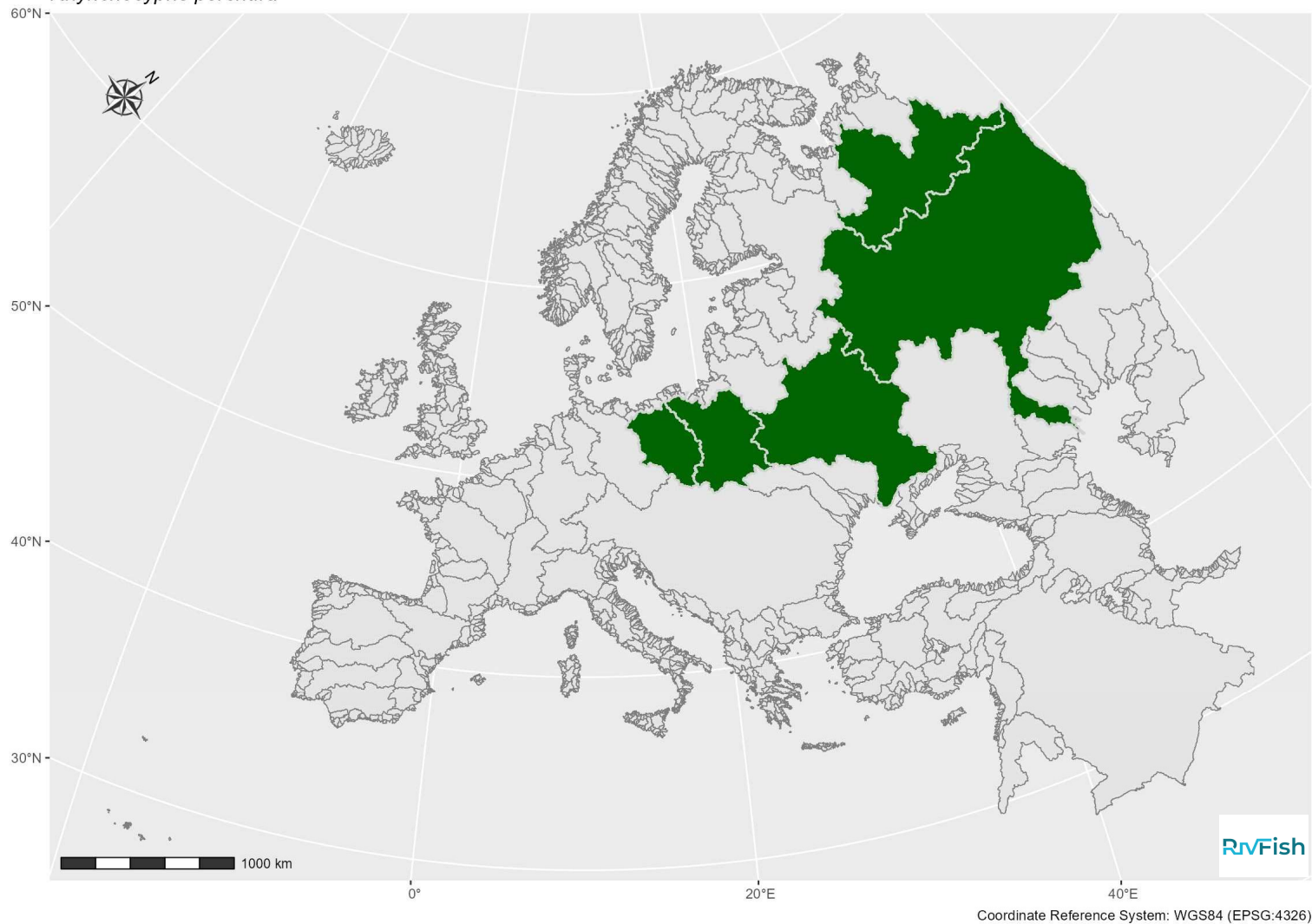
Rhodeus colchicus



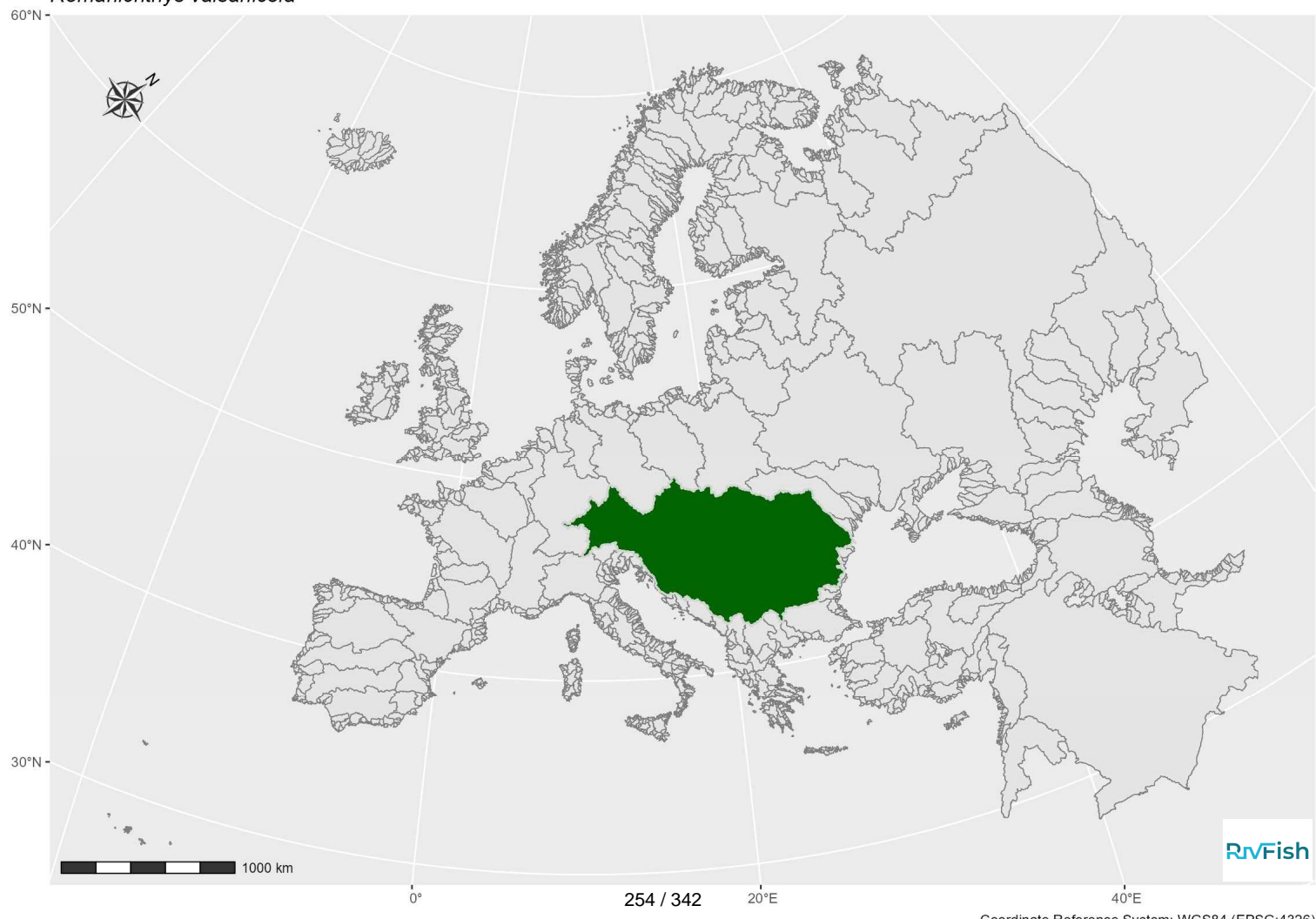
Rhodeus meridionalis



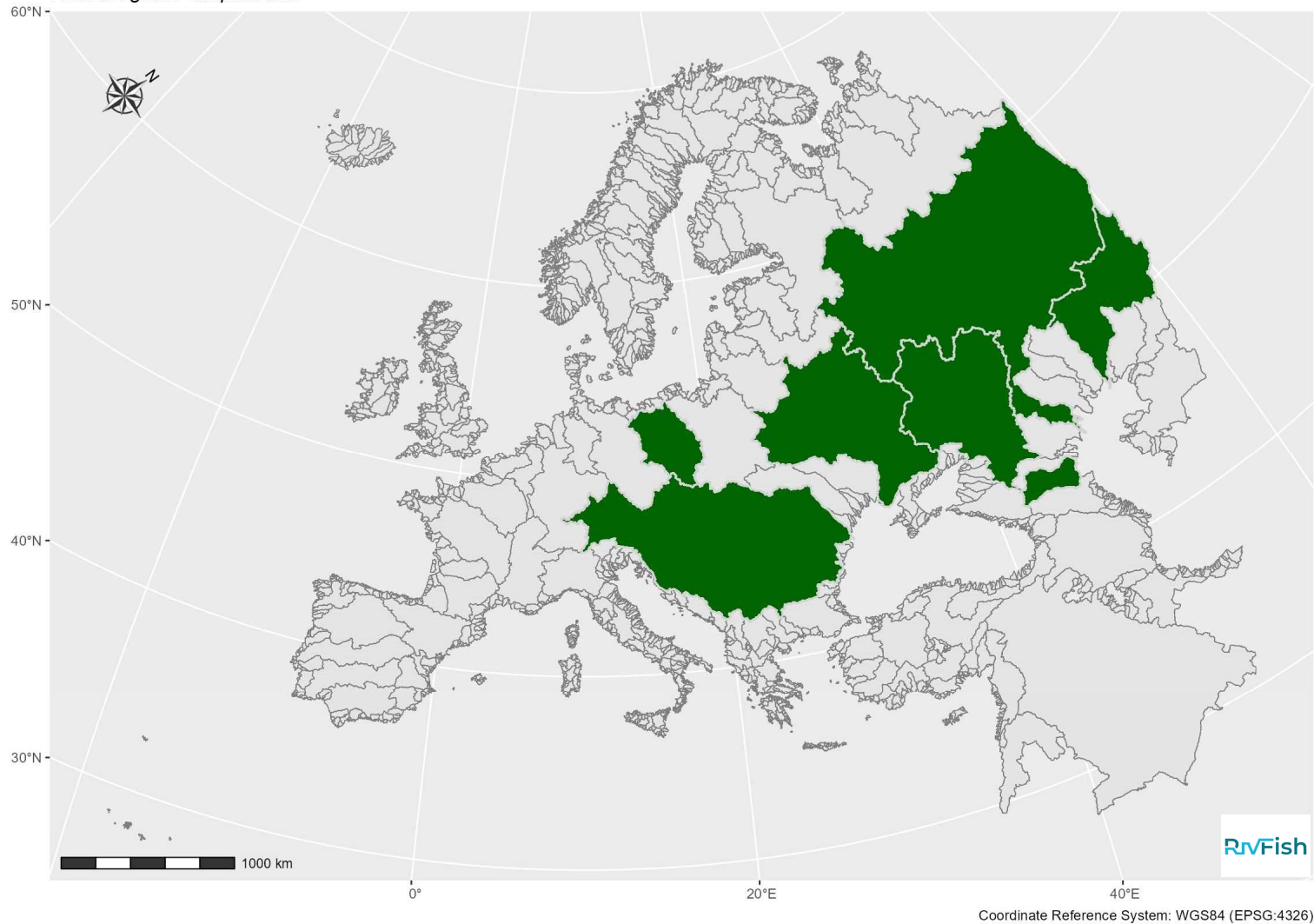
Rhynchocypris percursa



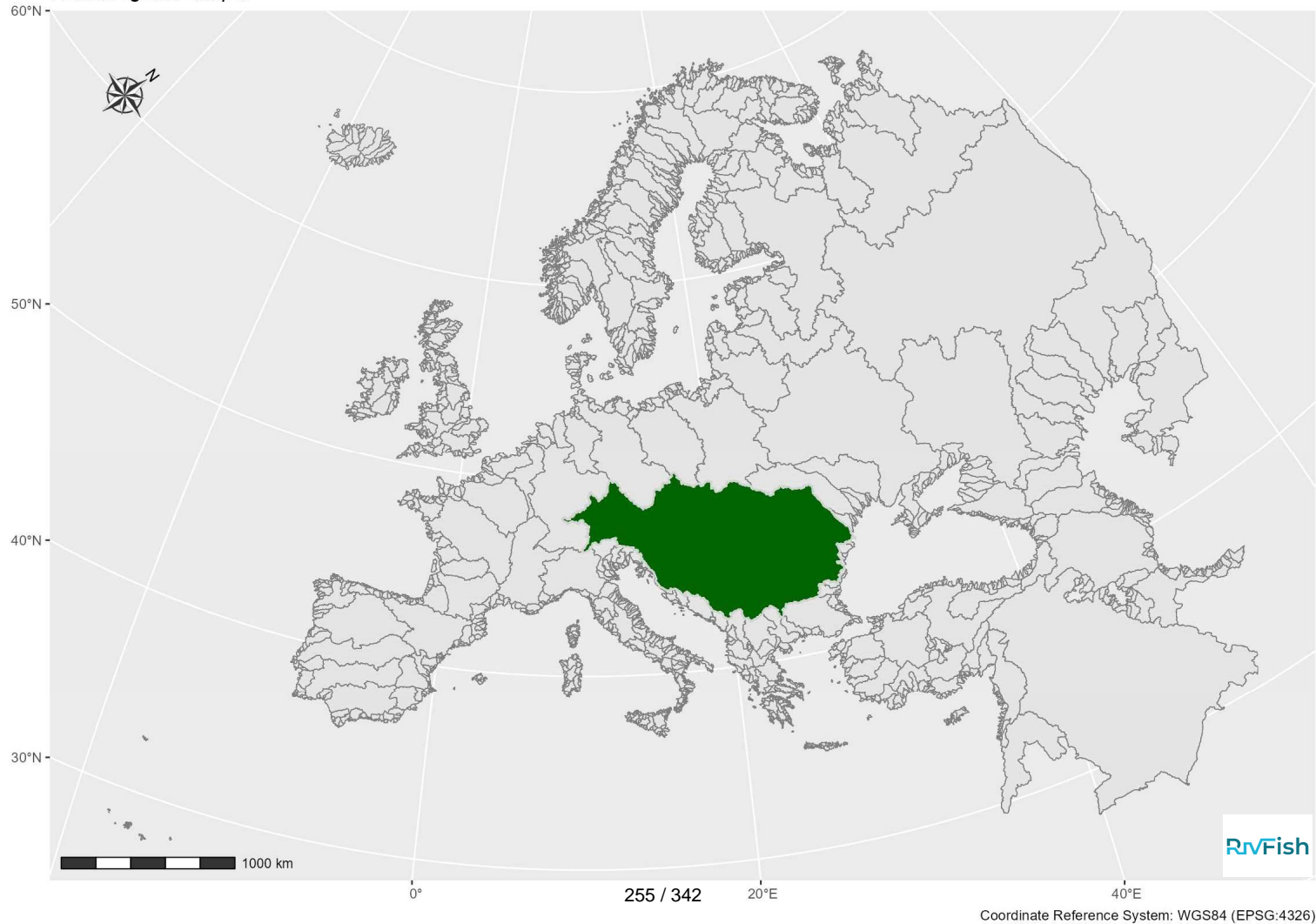
Romanichthys valsanicola



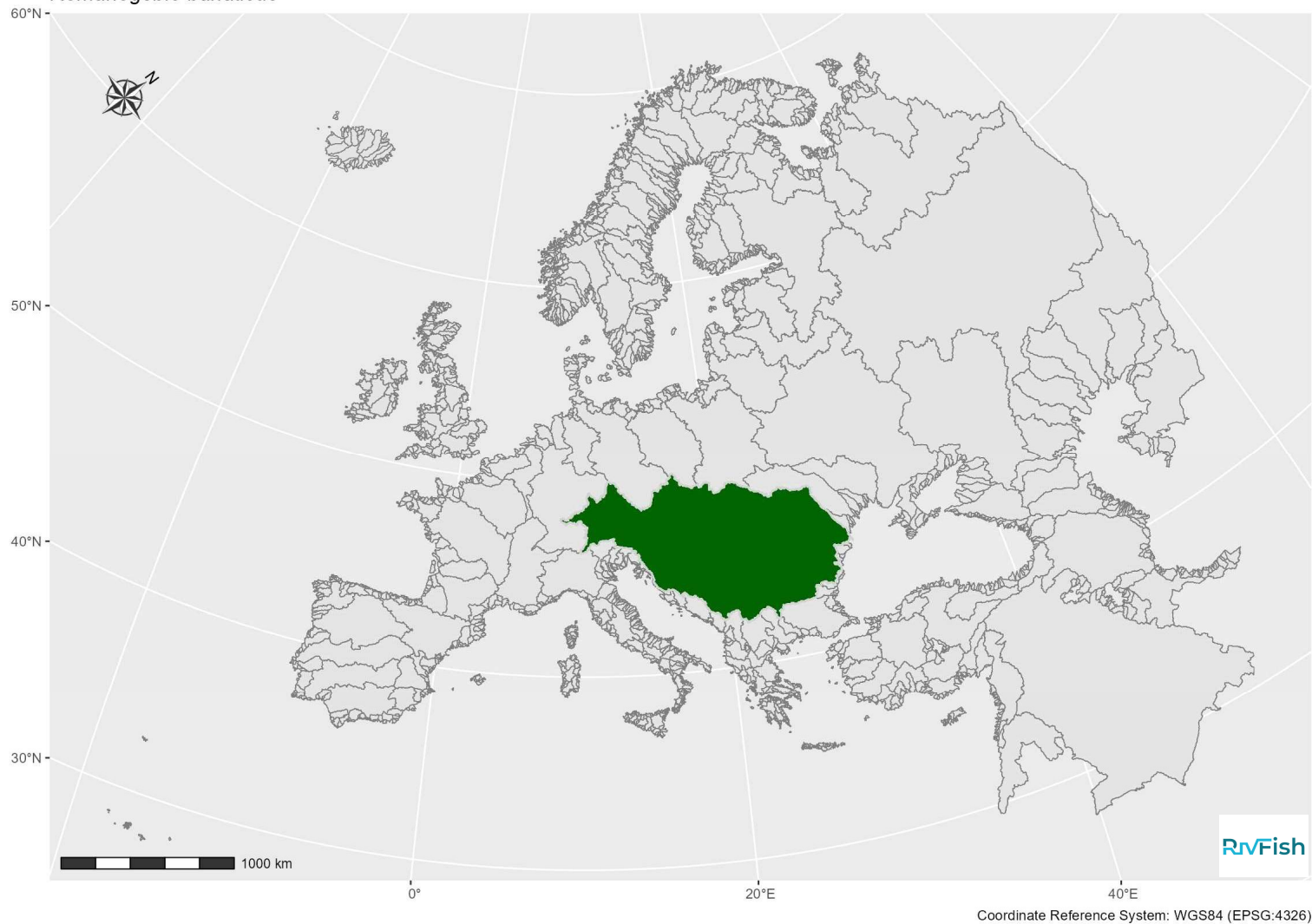
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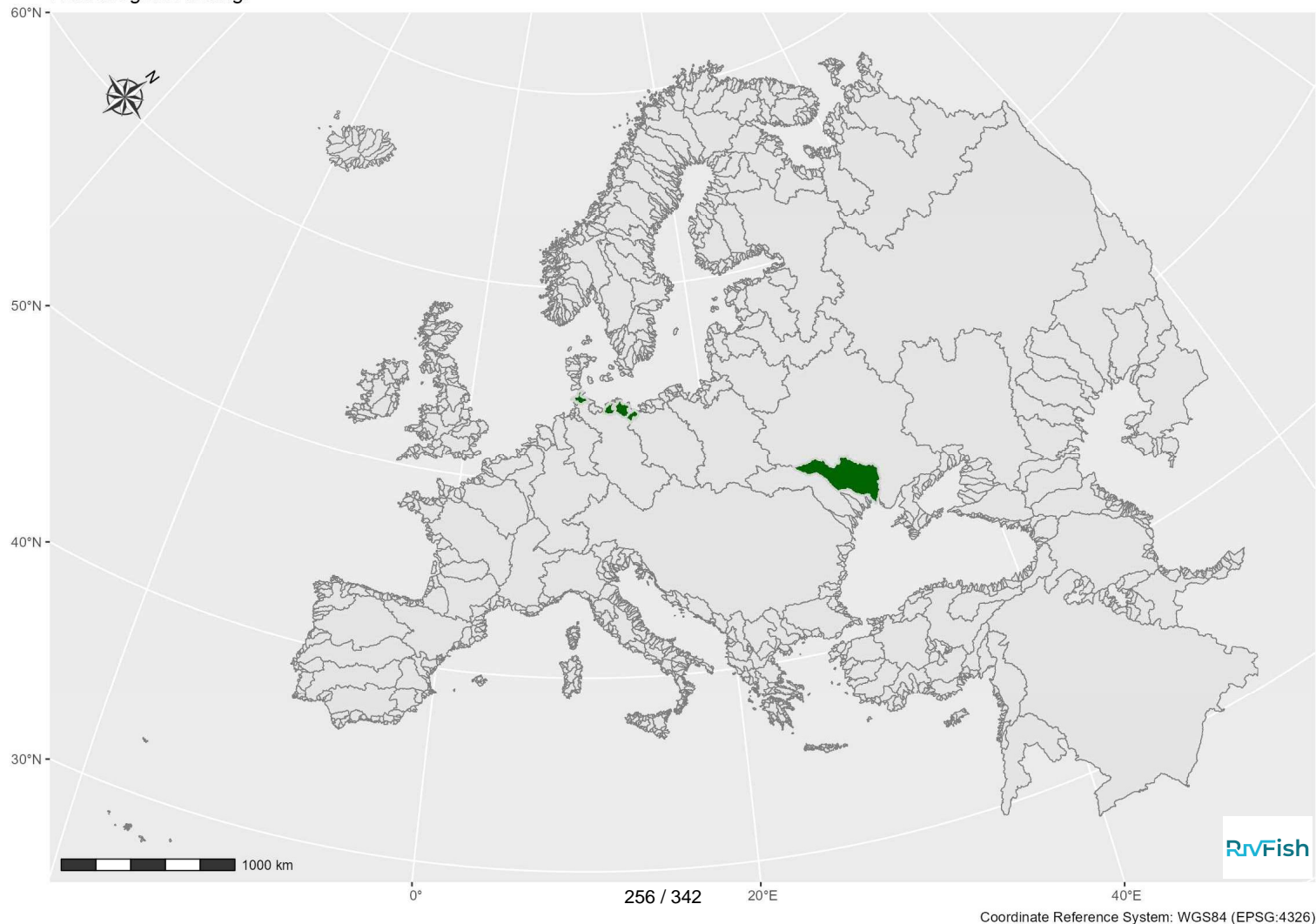
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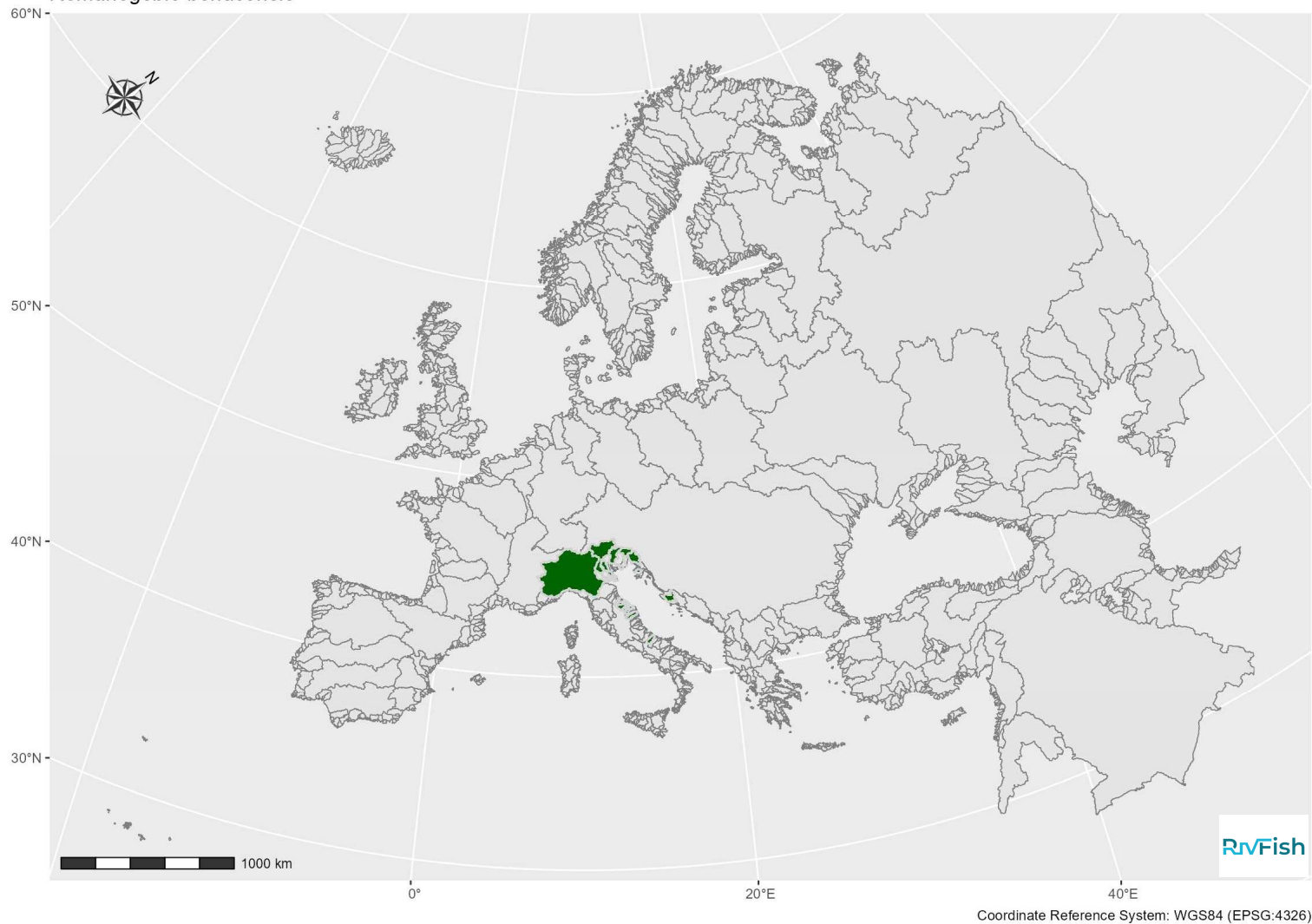
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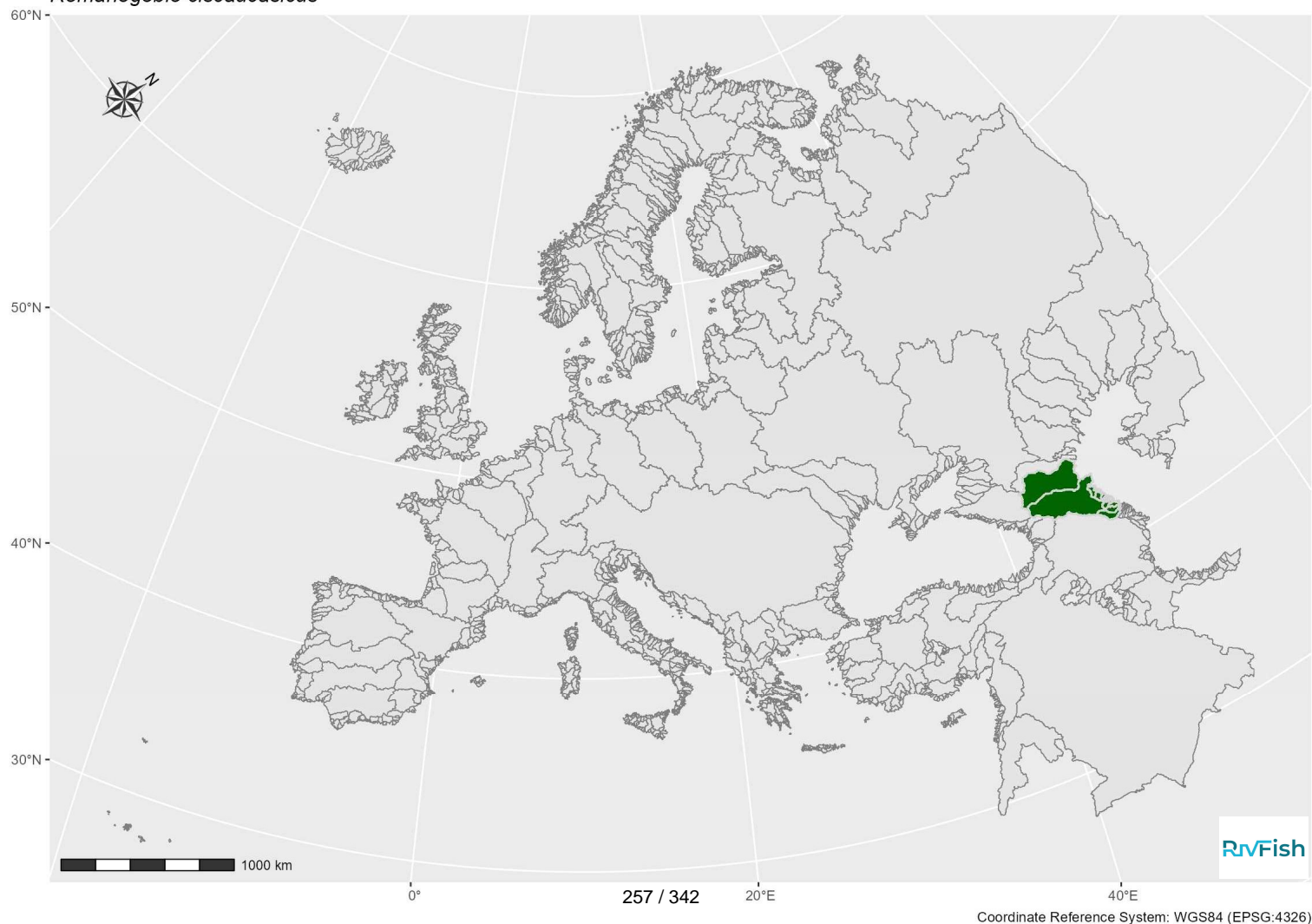
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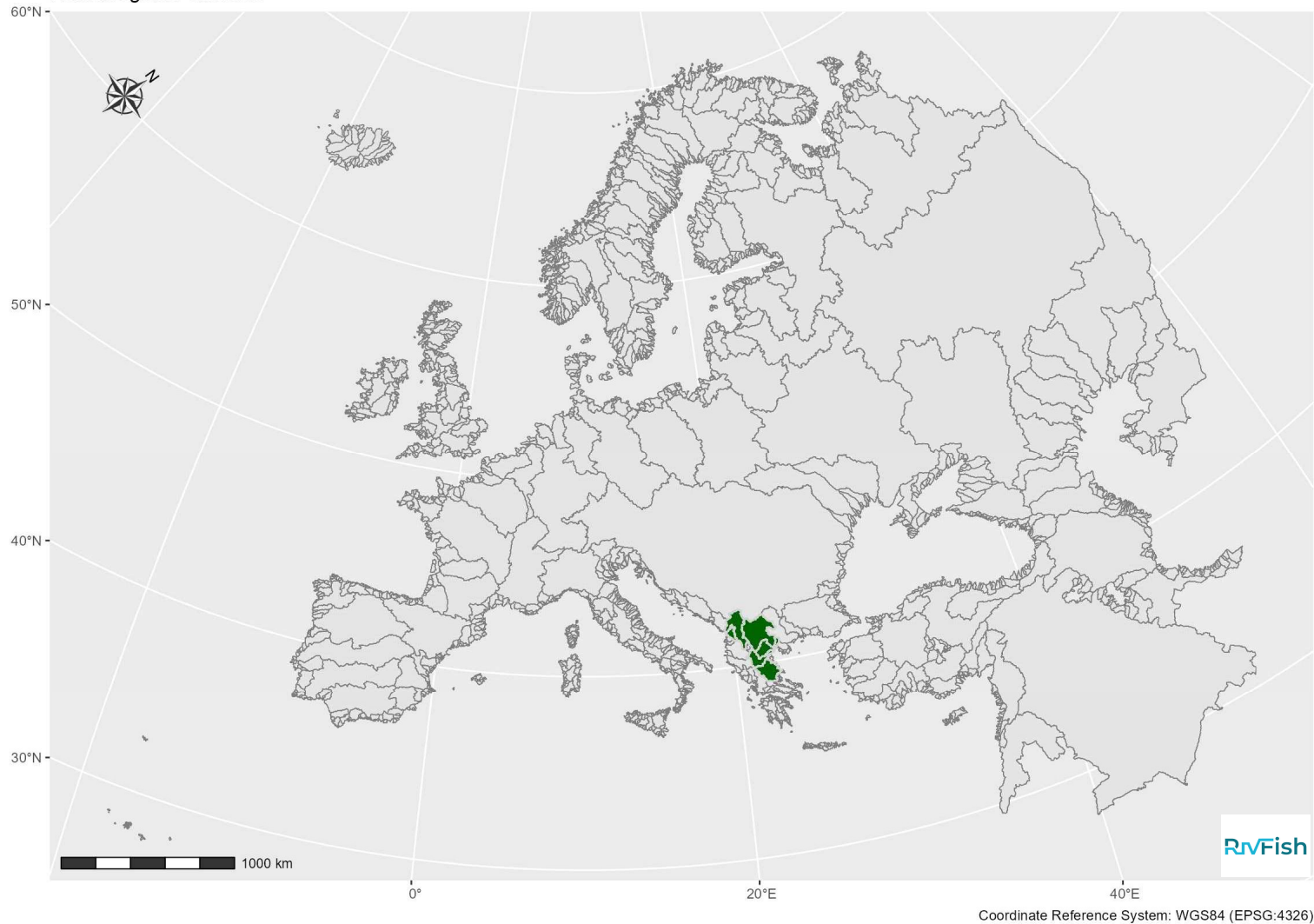
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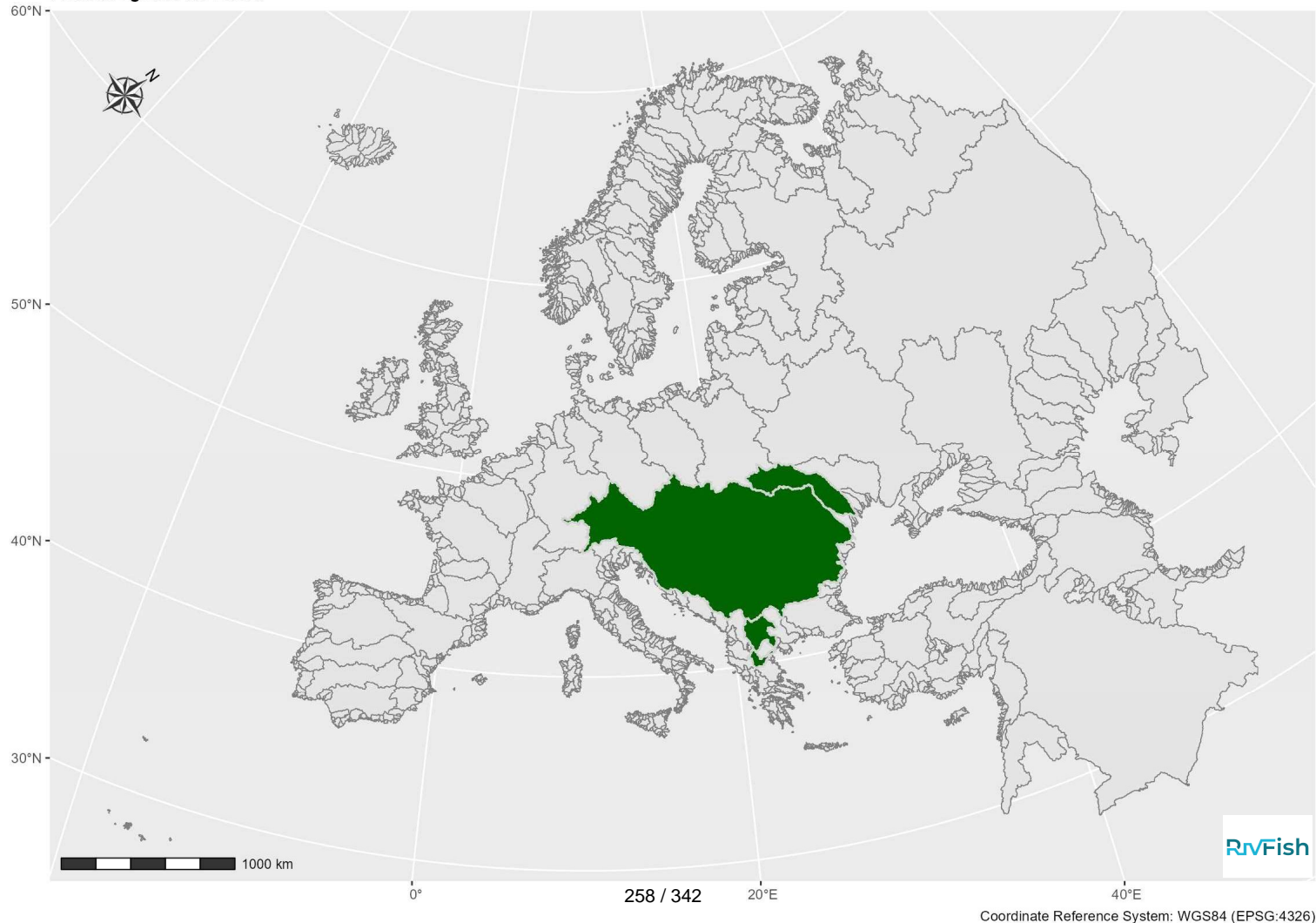
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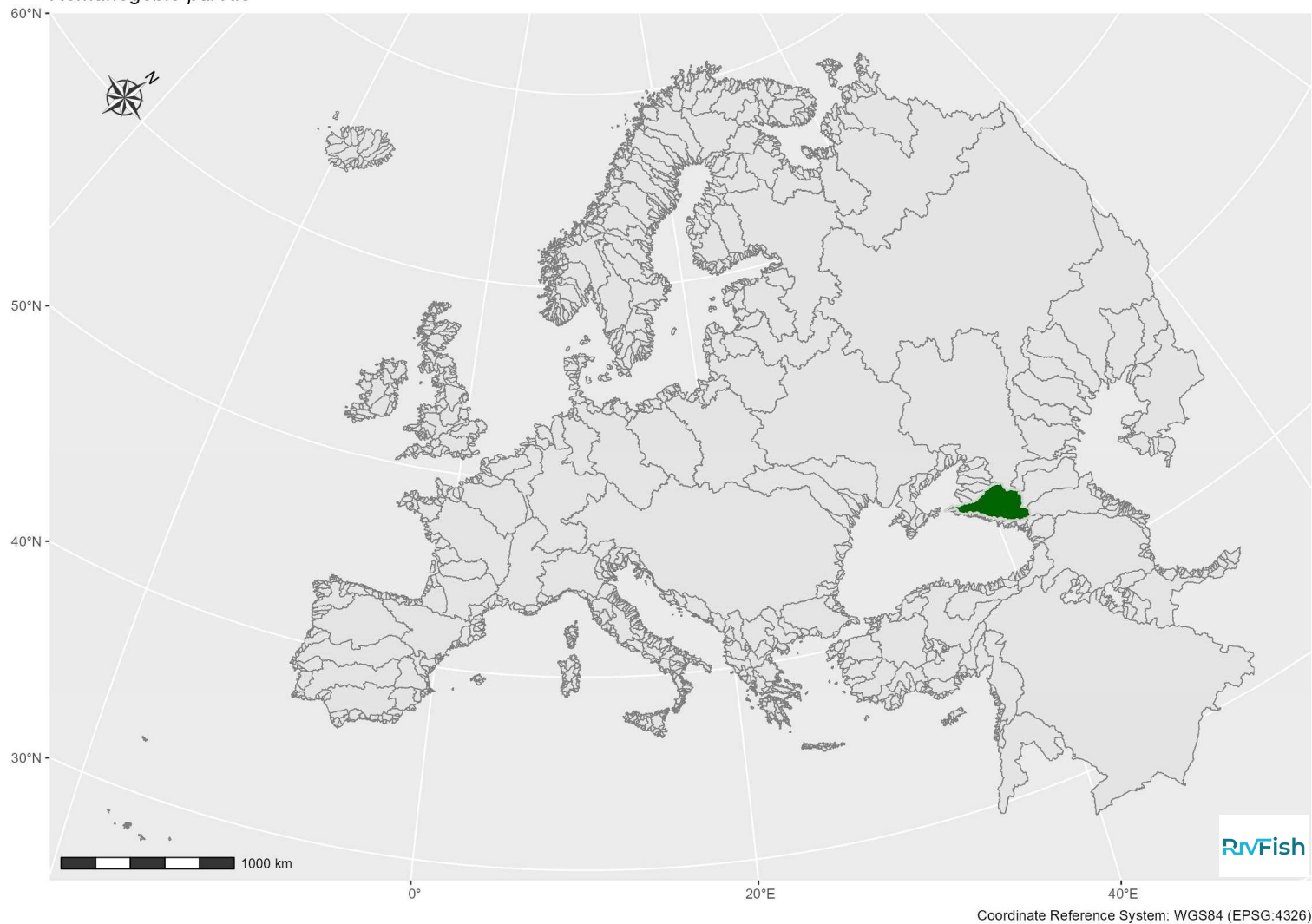
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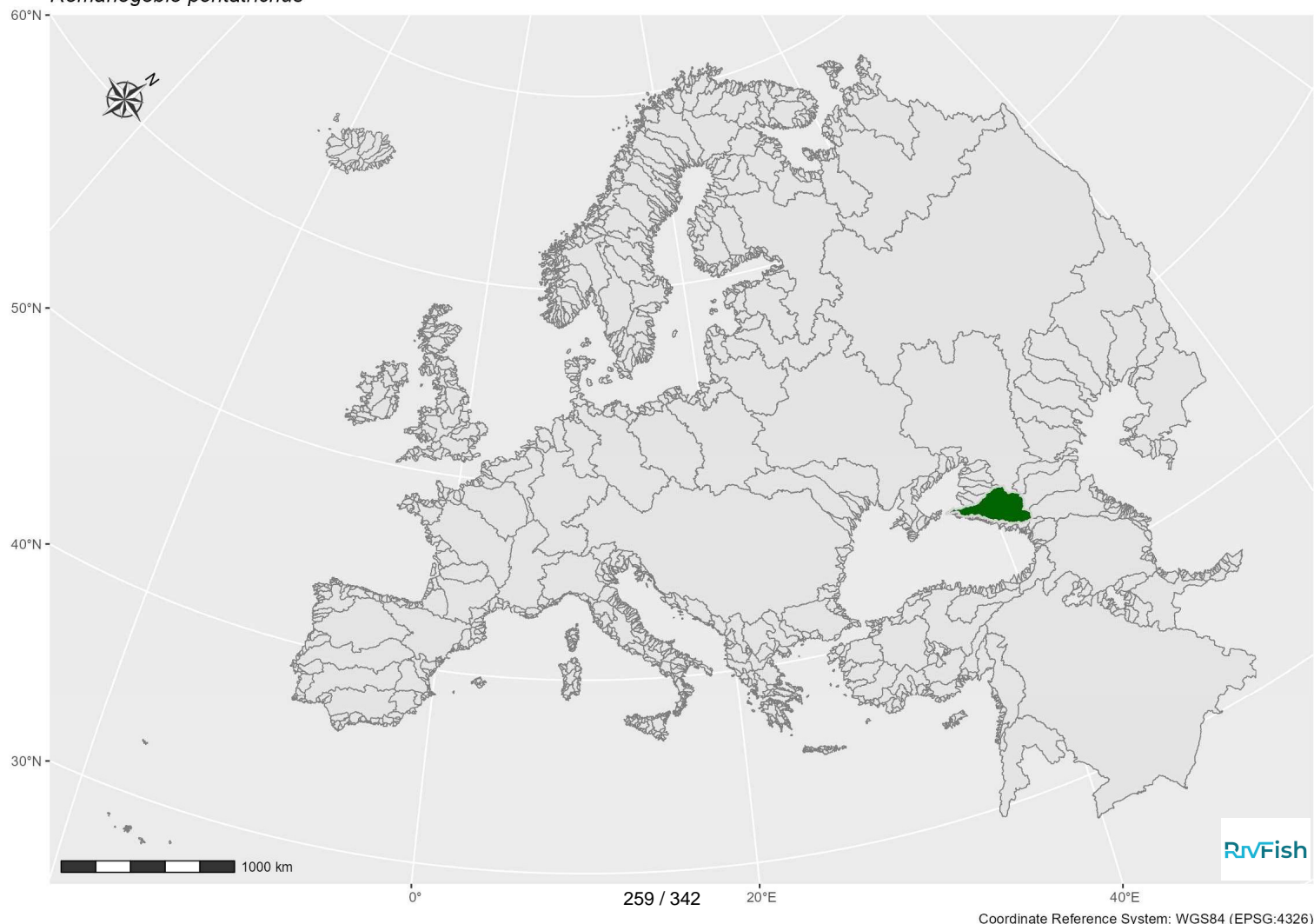
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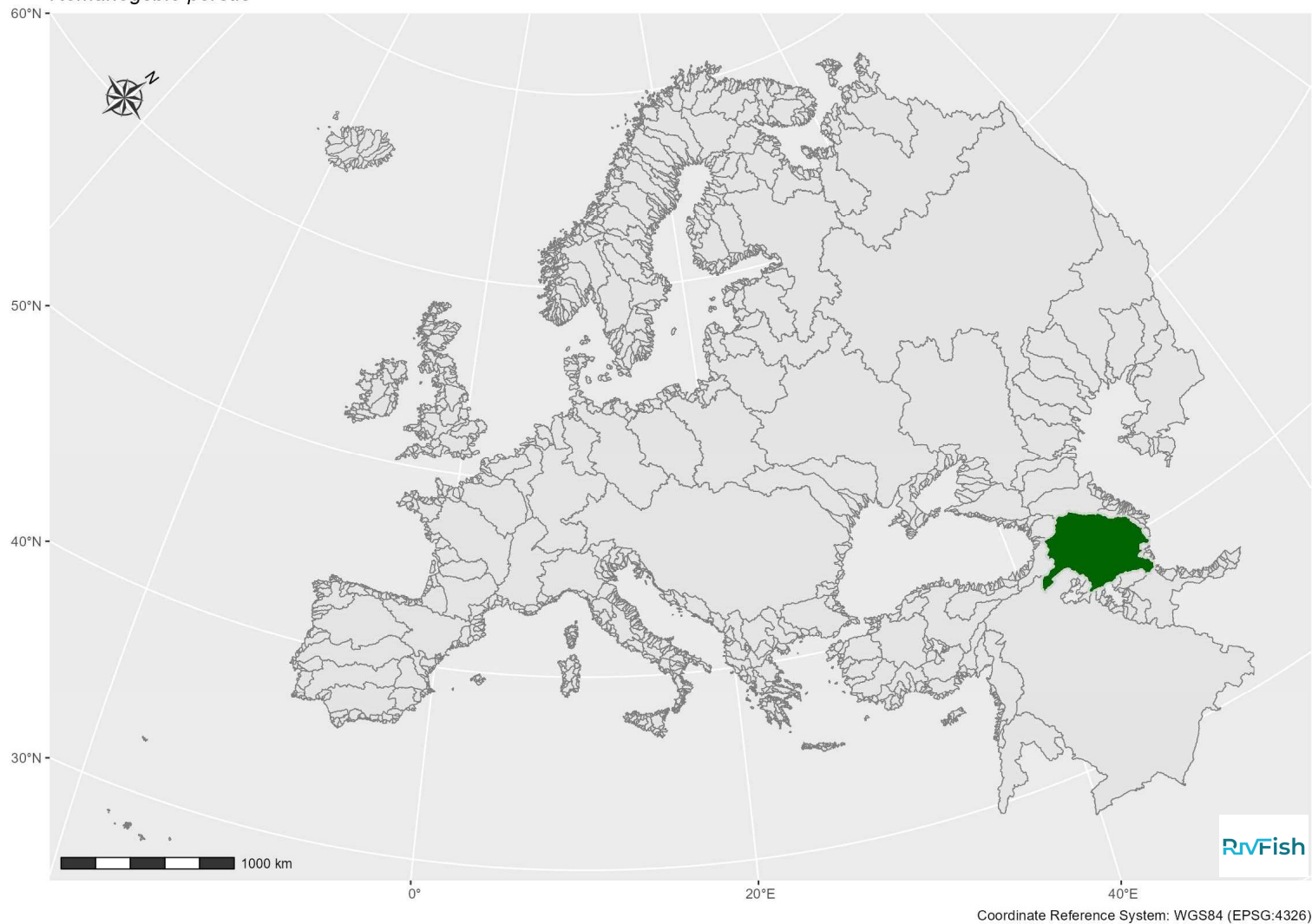
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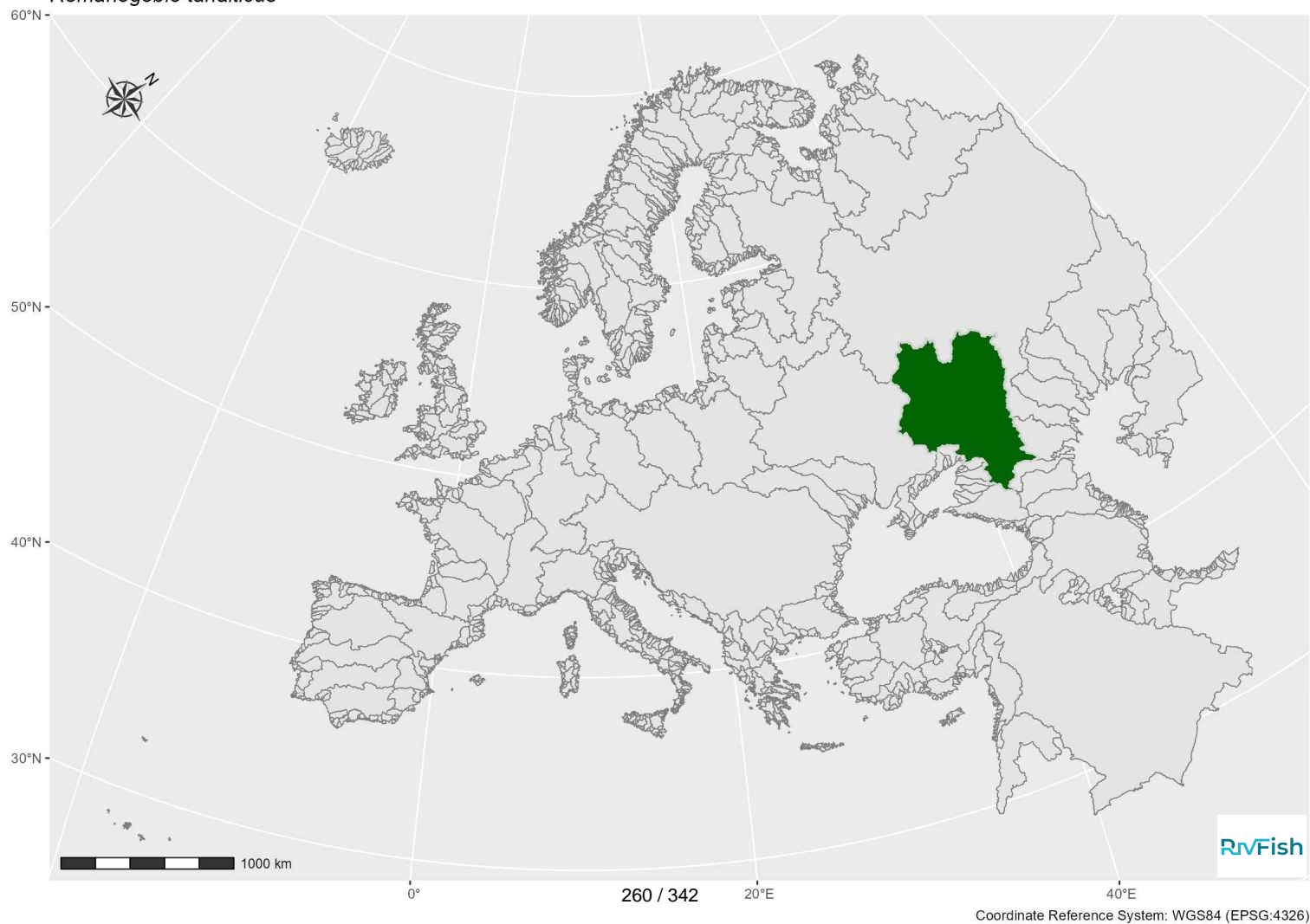
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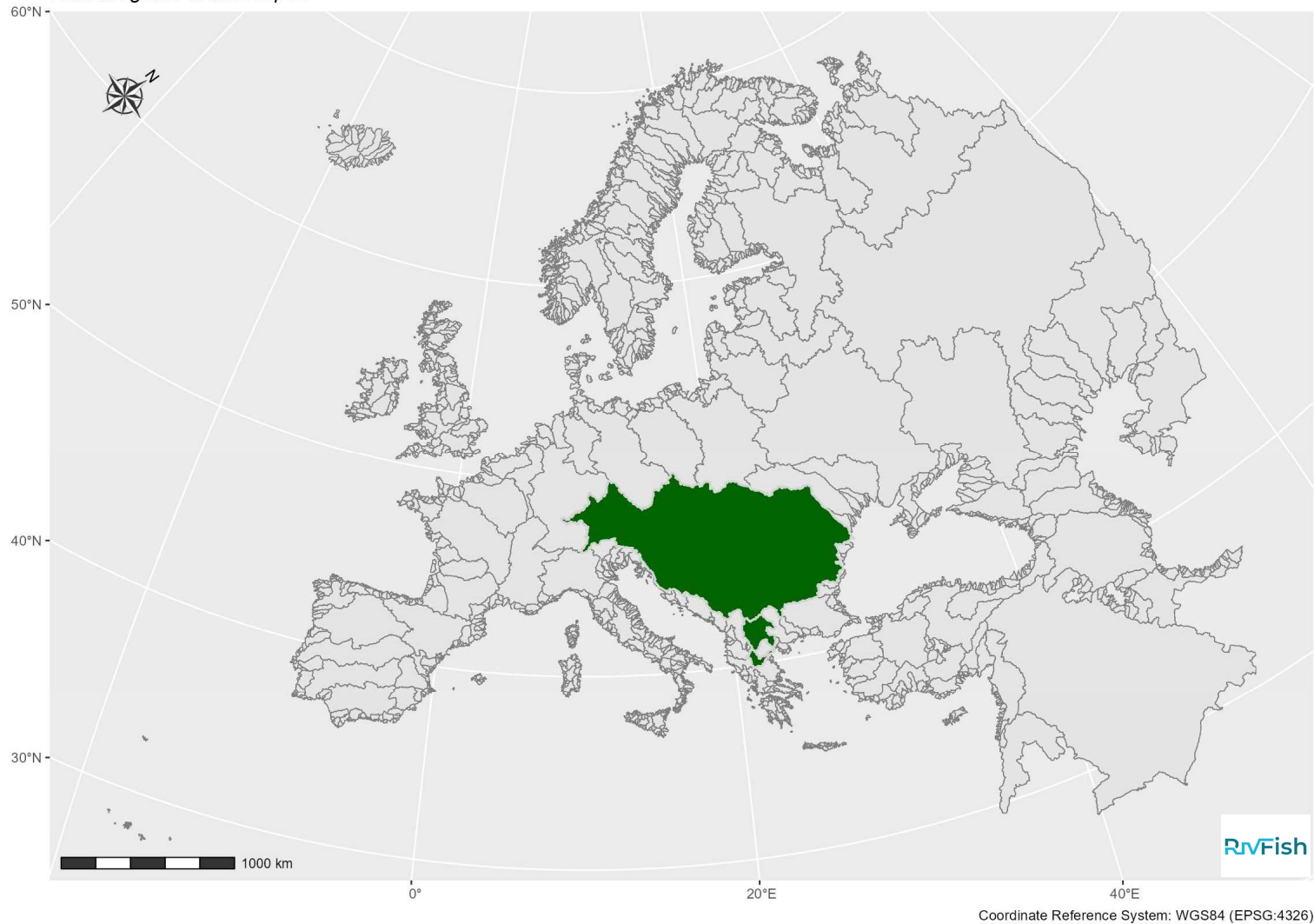
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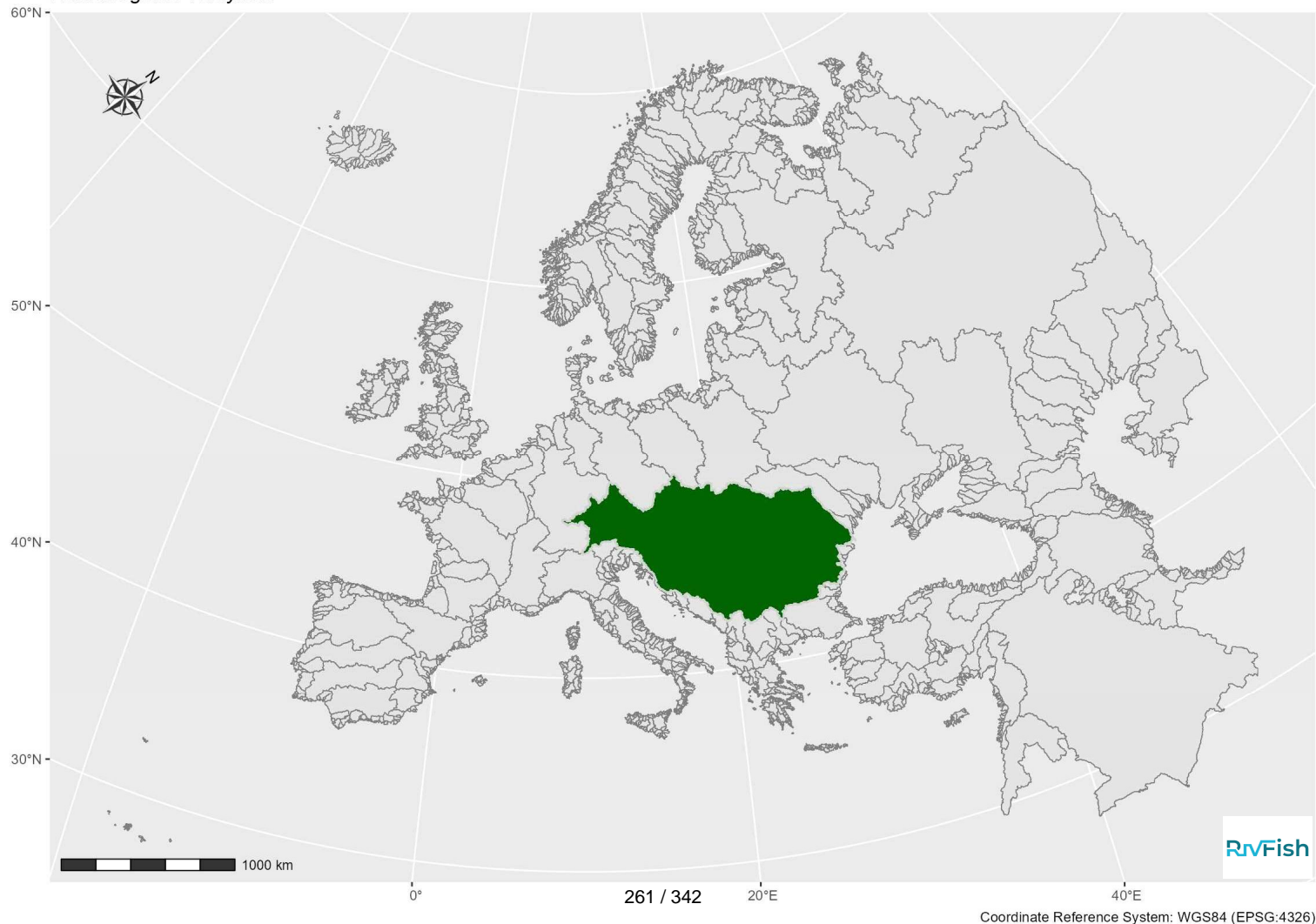
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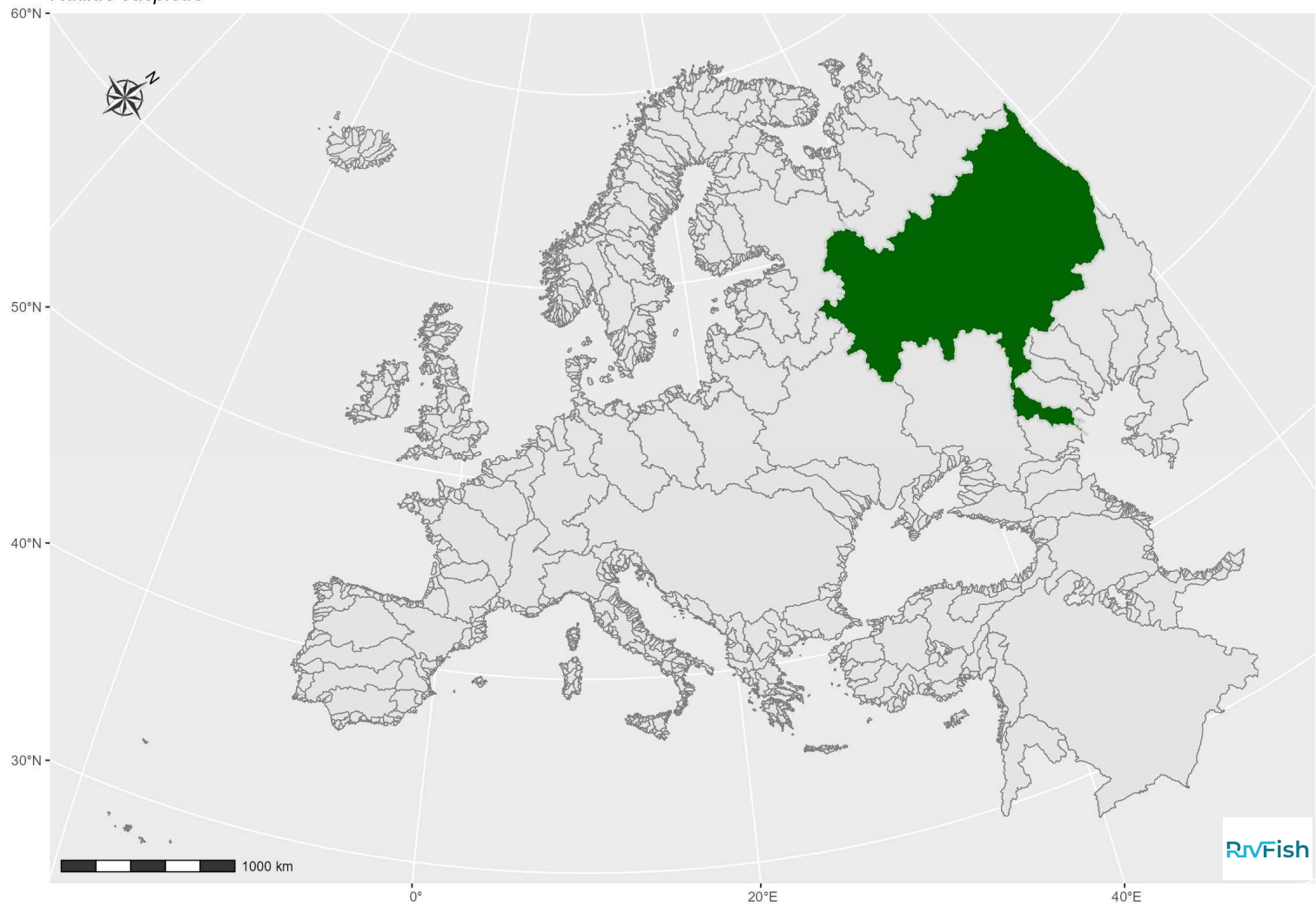
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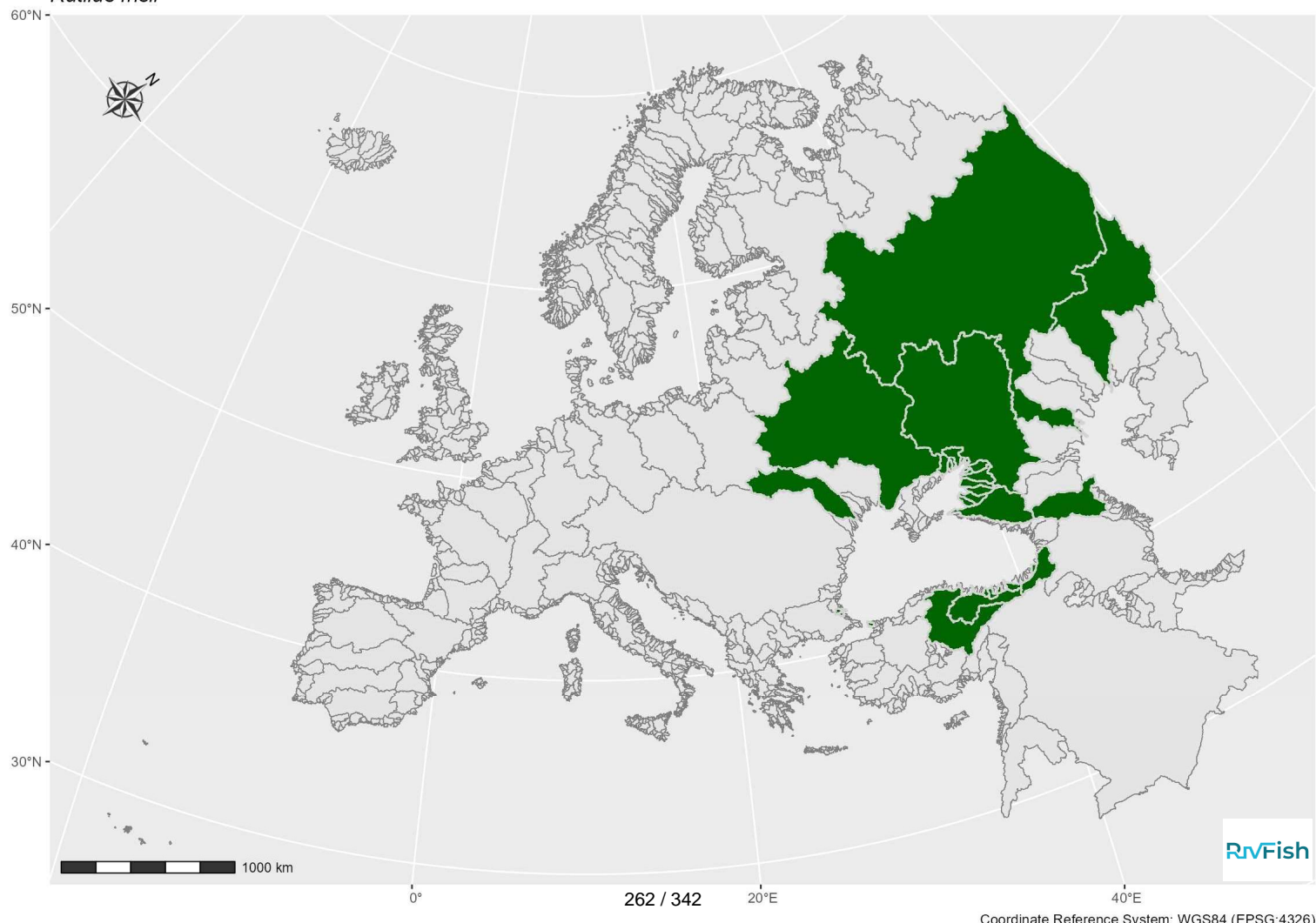
Romanogobio vladykovi



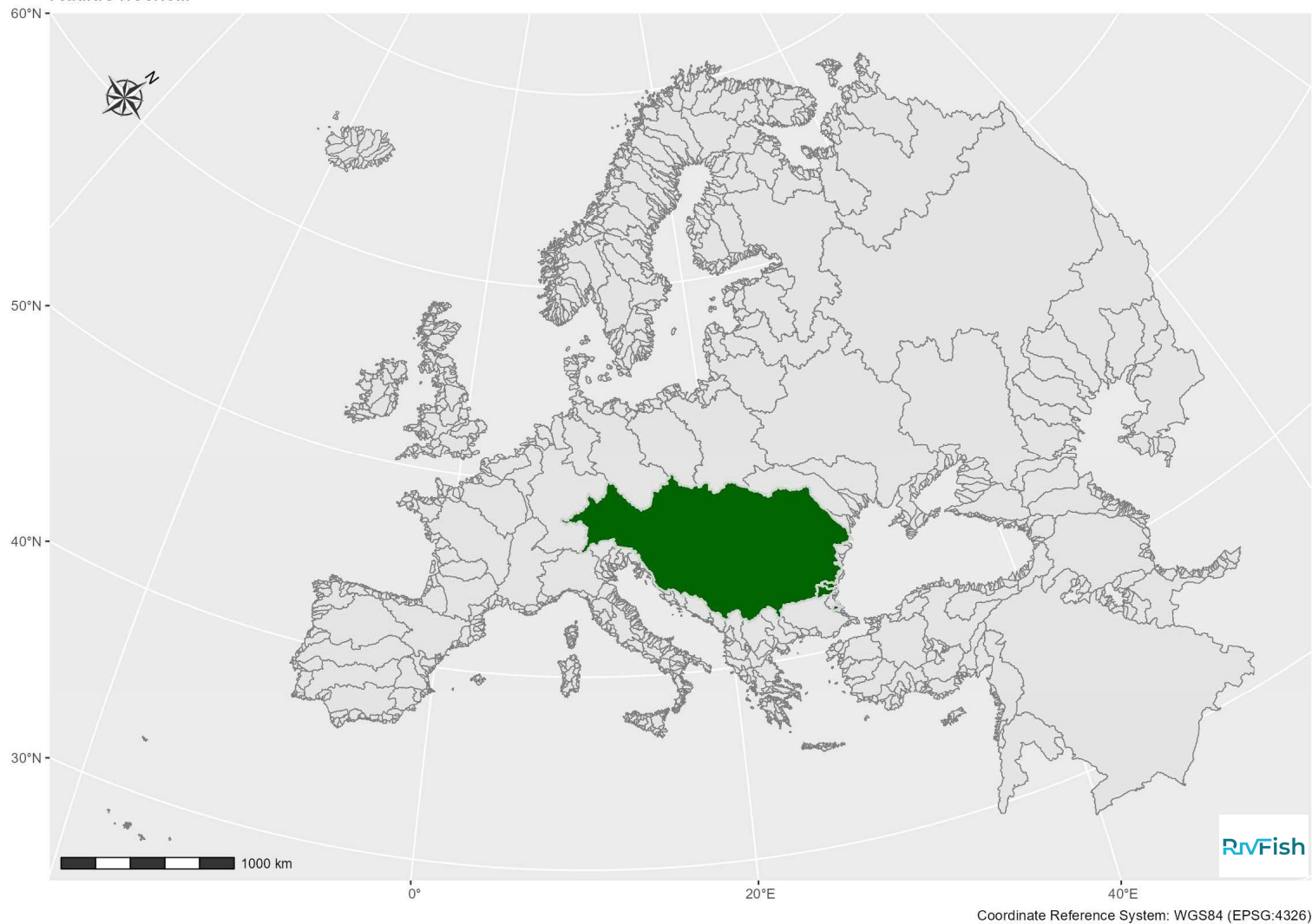
Rutilus caspicus



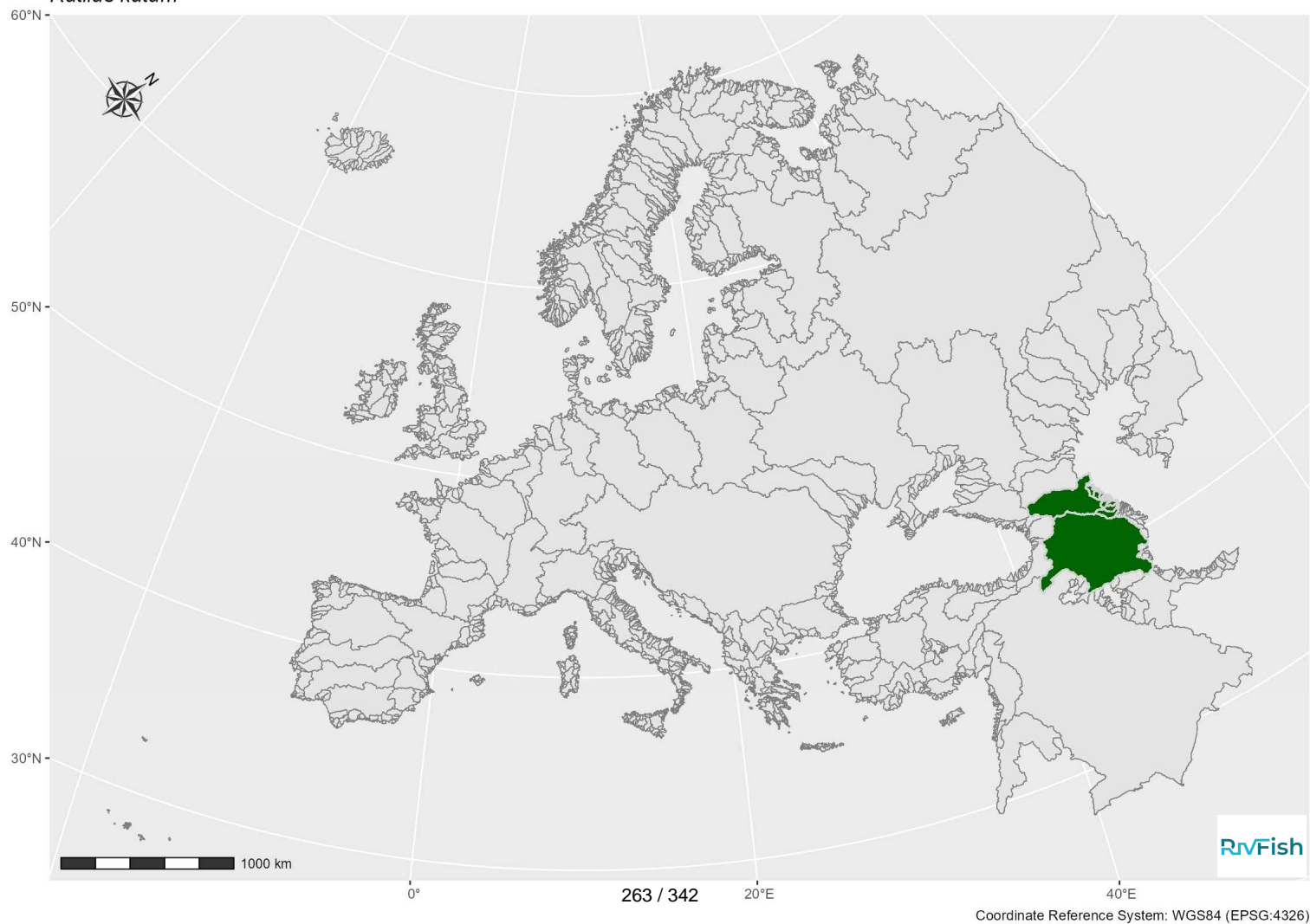
Rutilus frisii



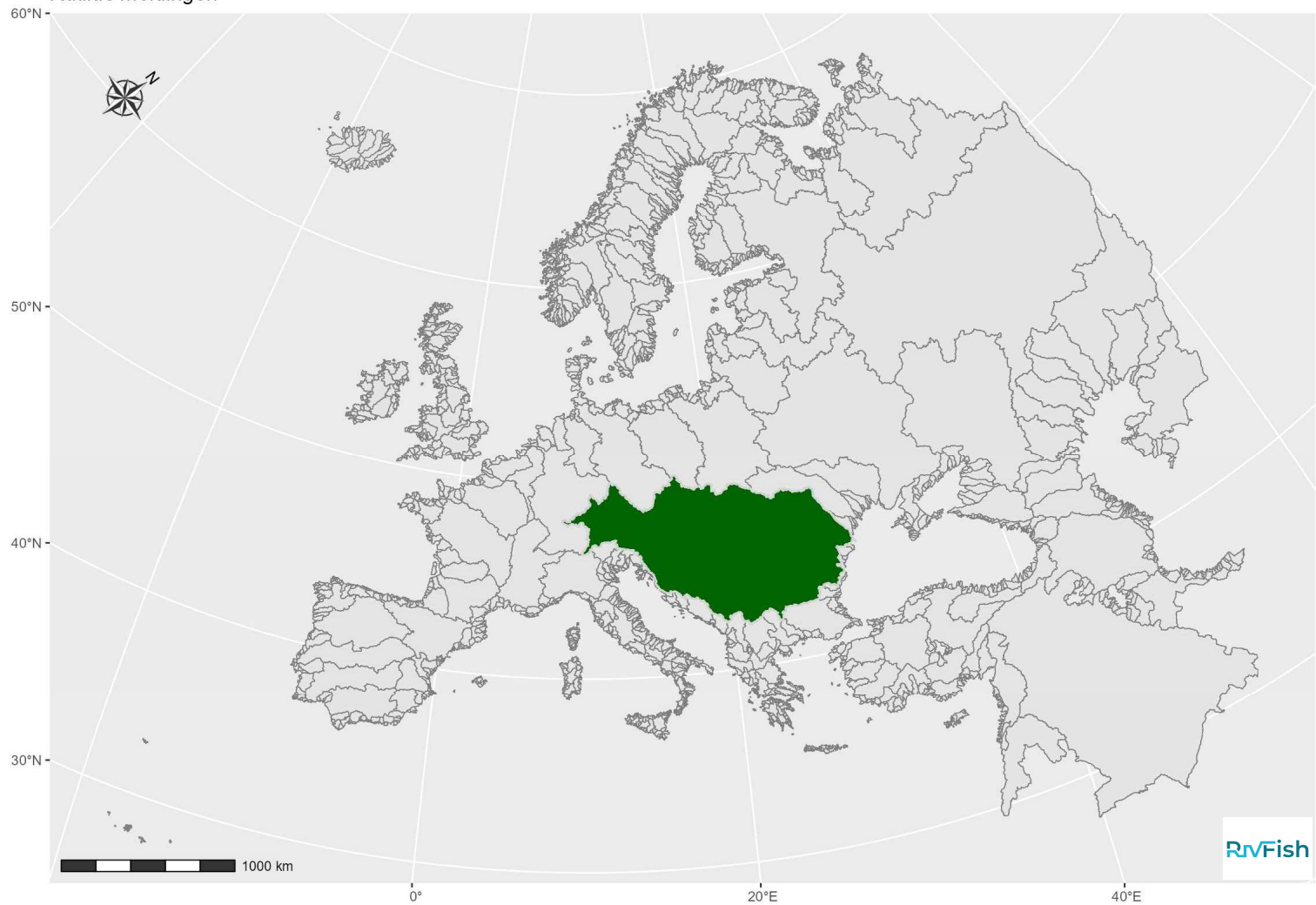
Rutilus heckelii



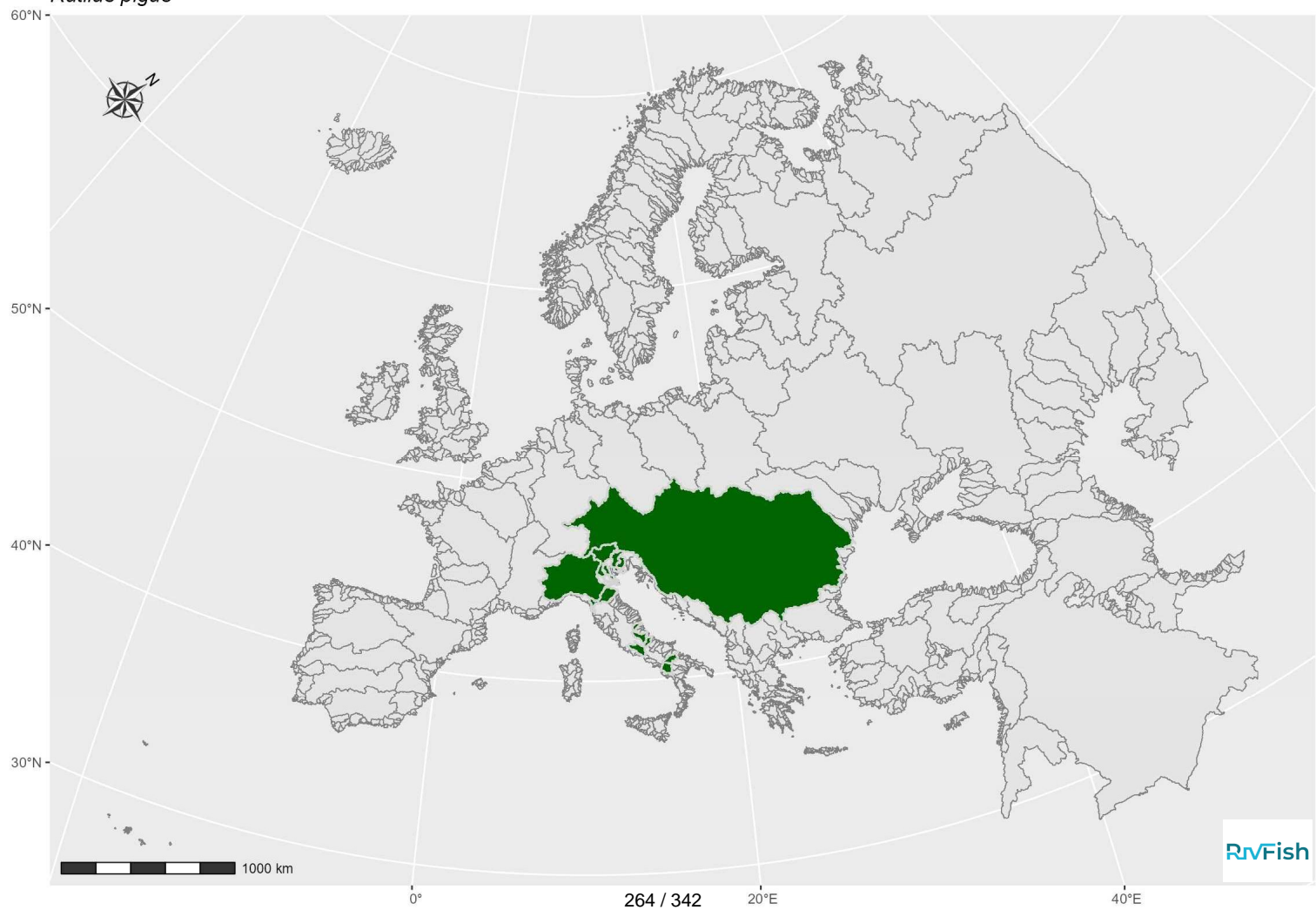
Rutilus kutum



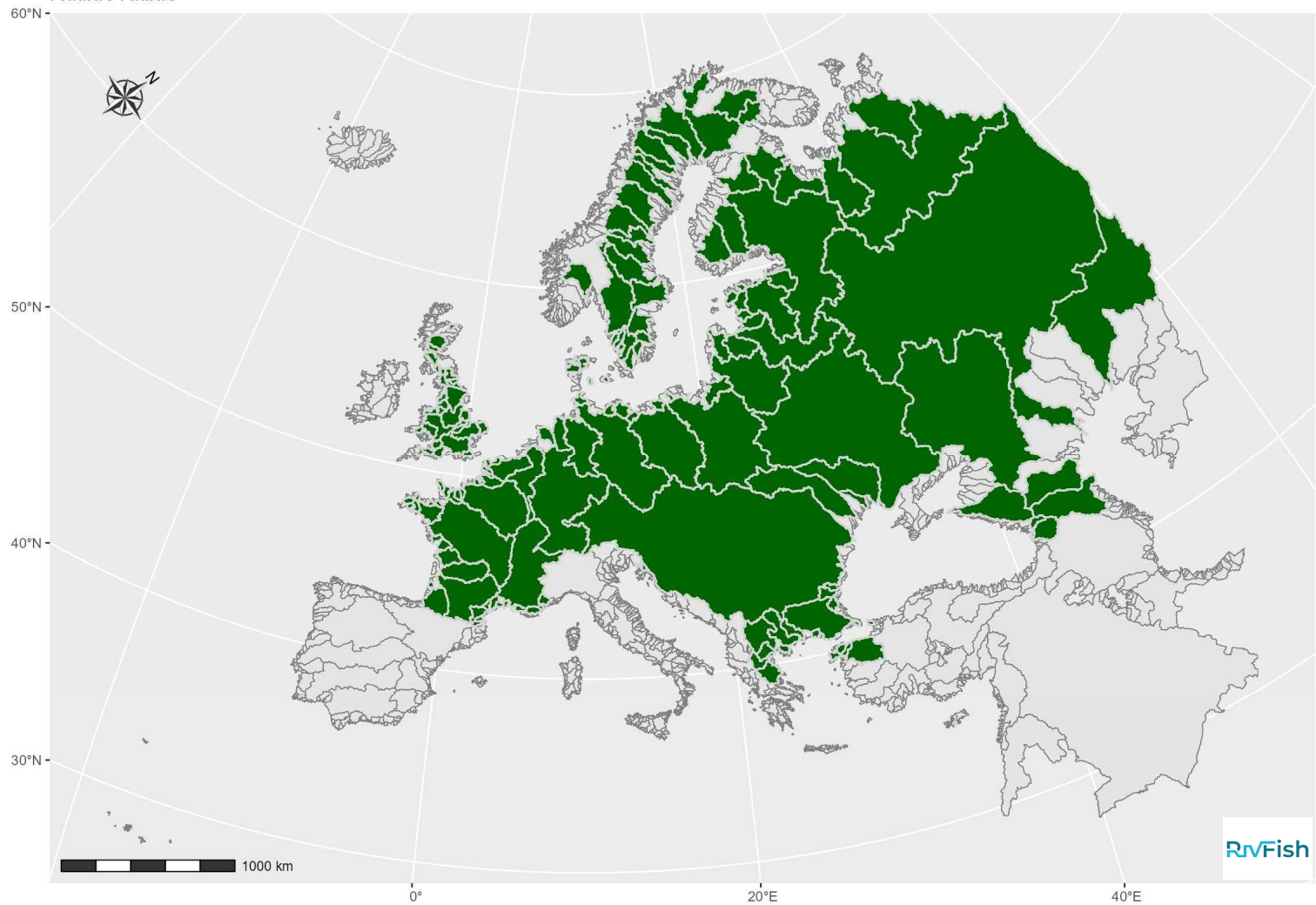
Rutilus meidingeri



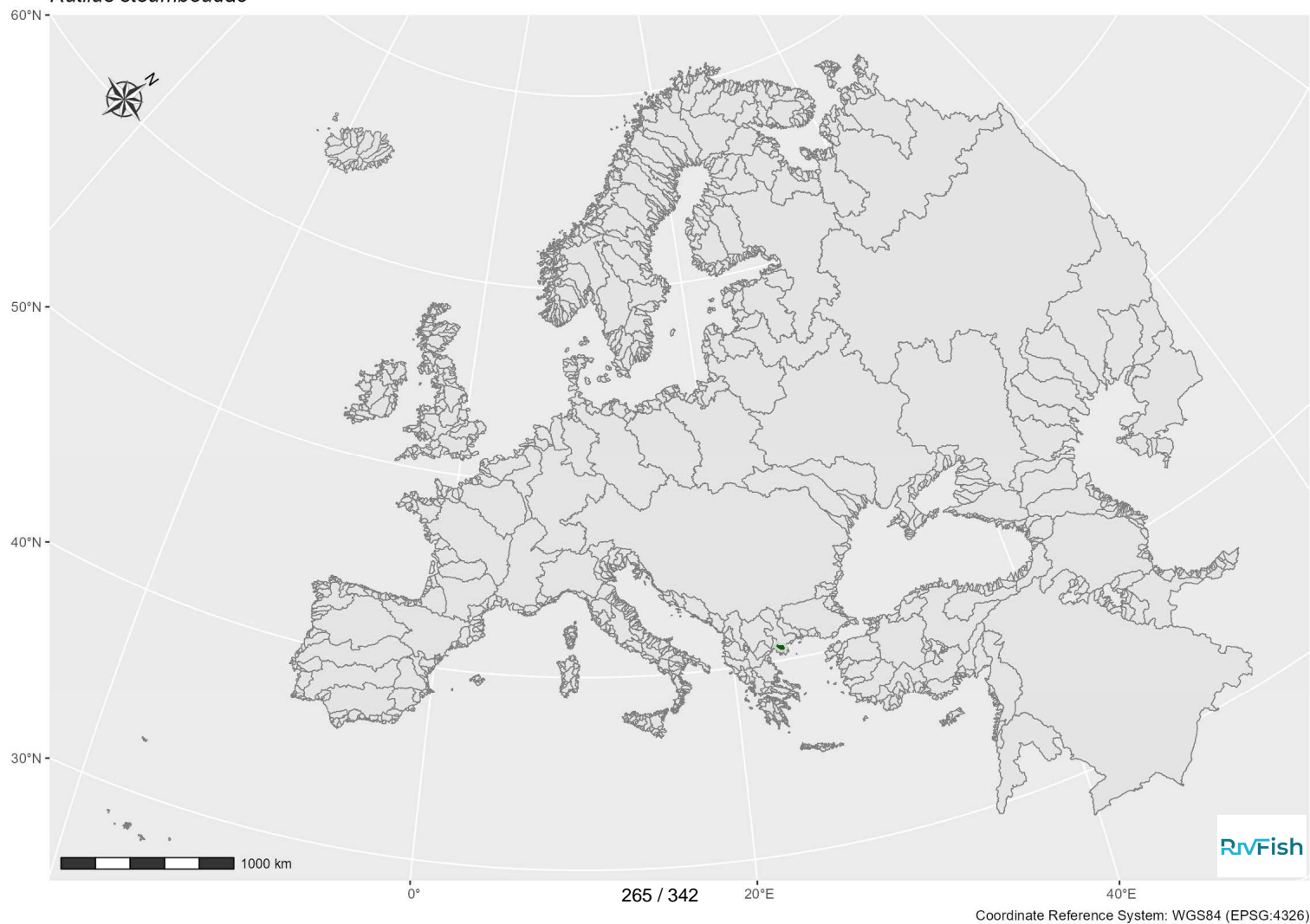
Rutilus pigus



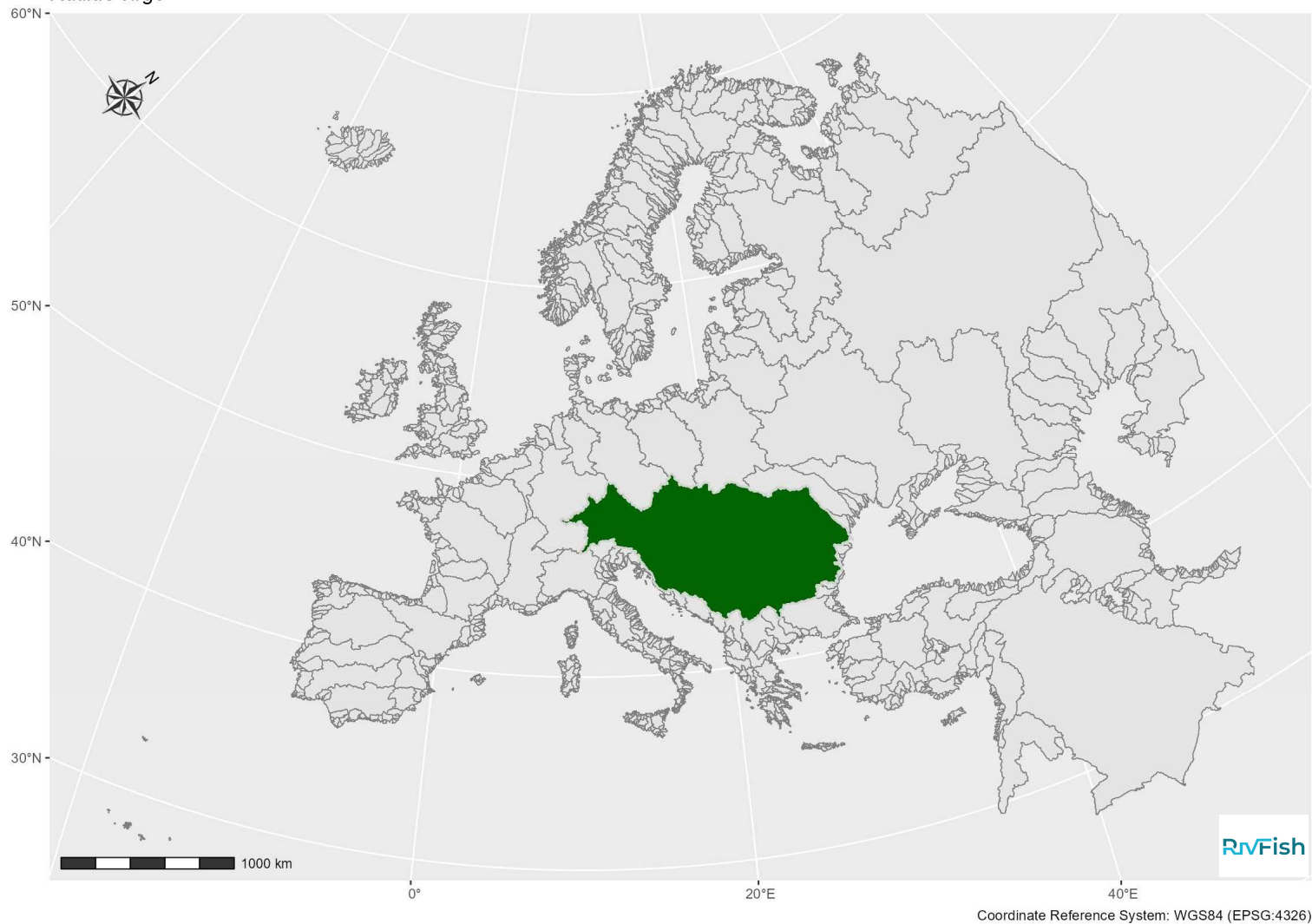
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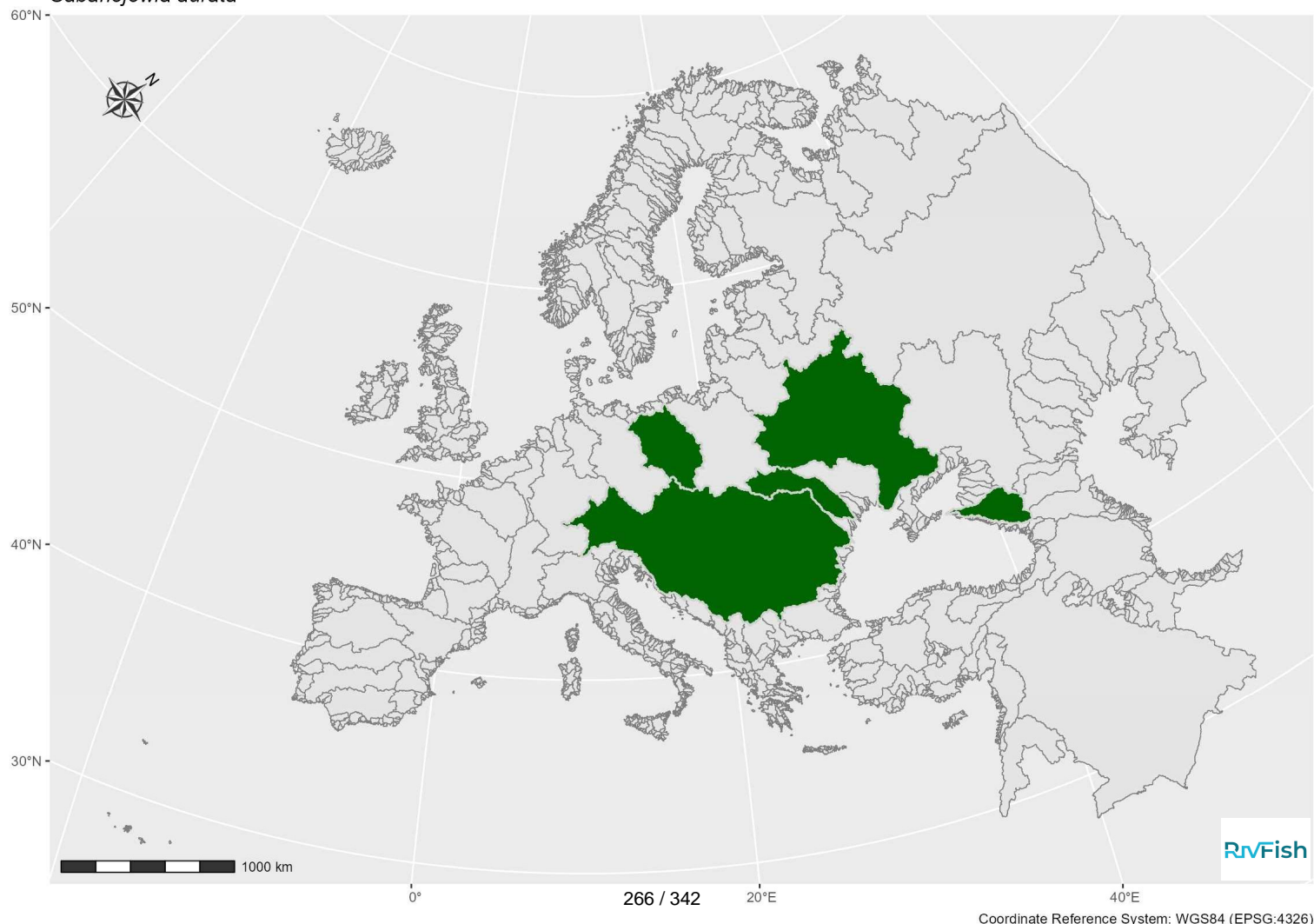
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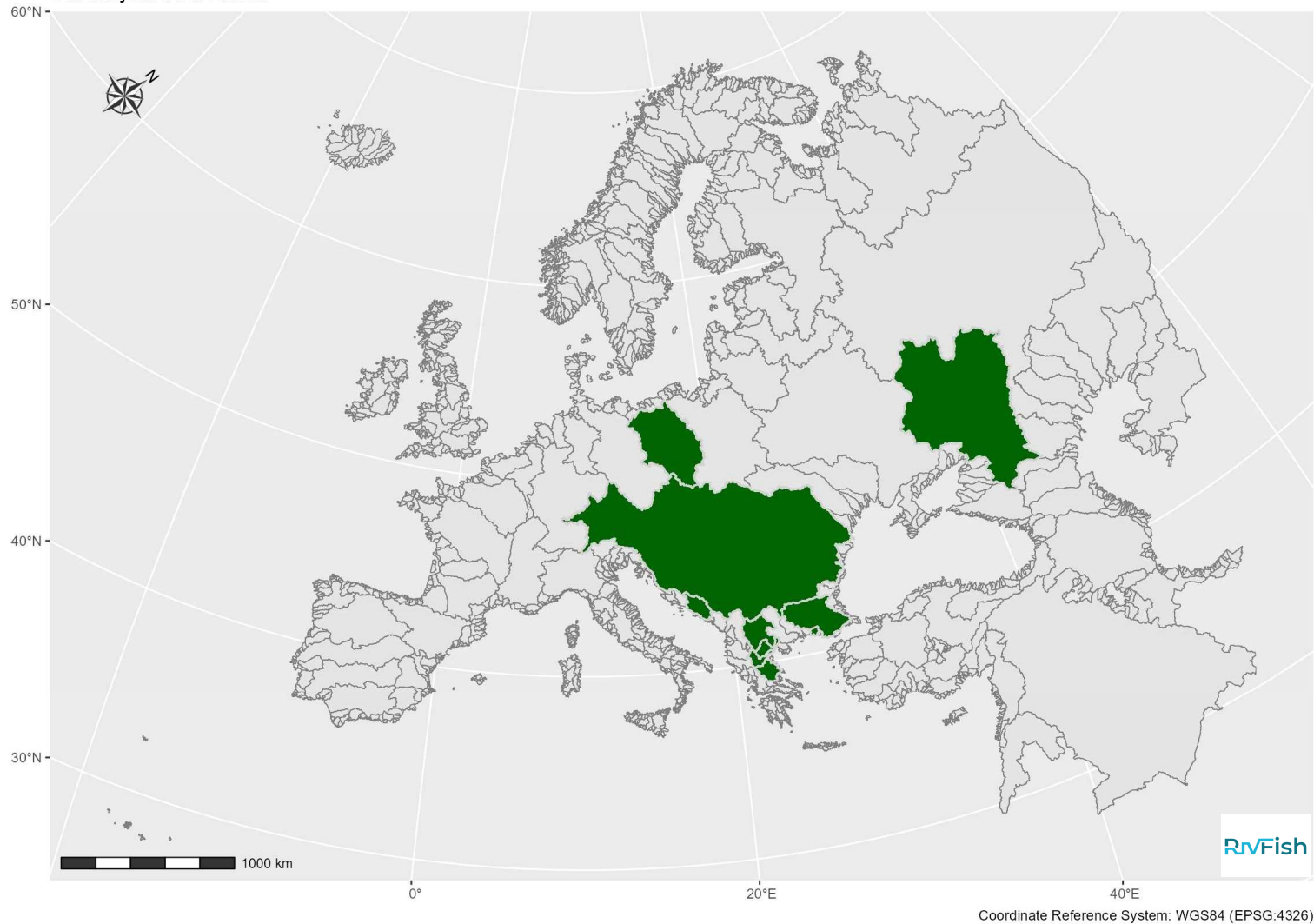
Rutilus virgo



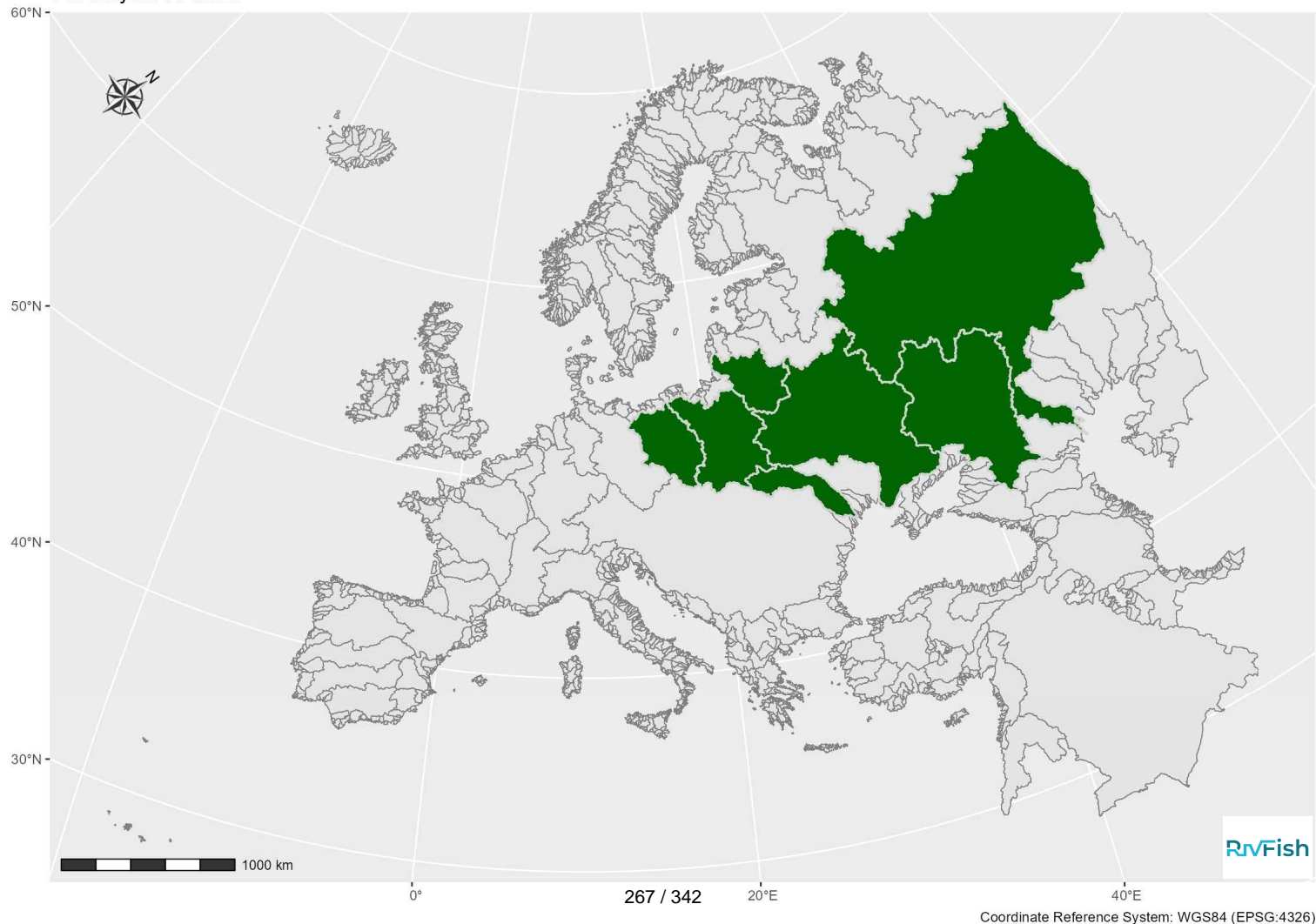
Sabanejewia aurata



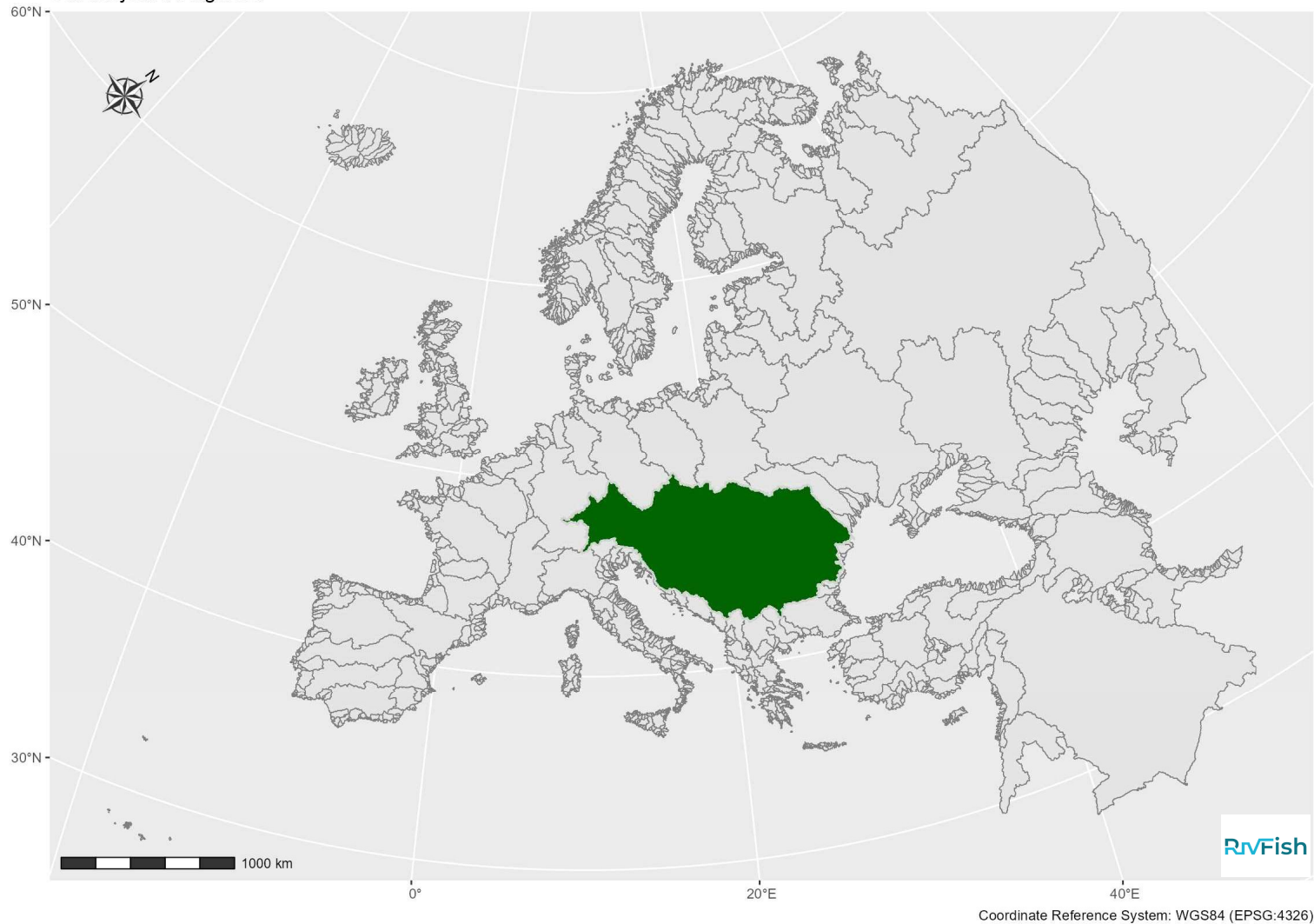
Sabanejewia balcanica



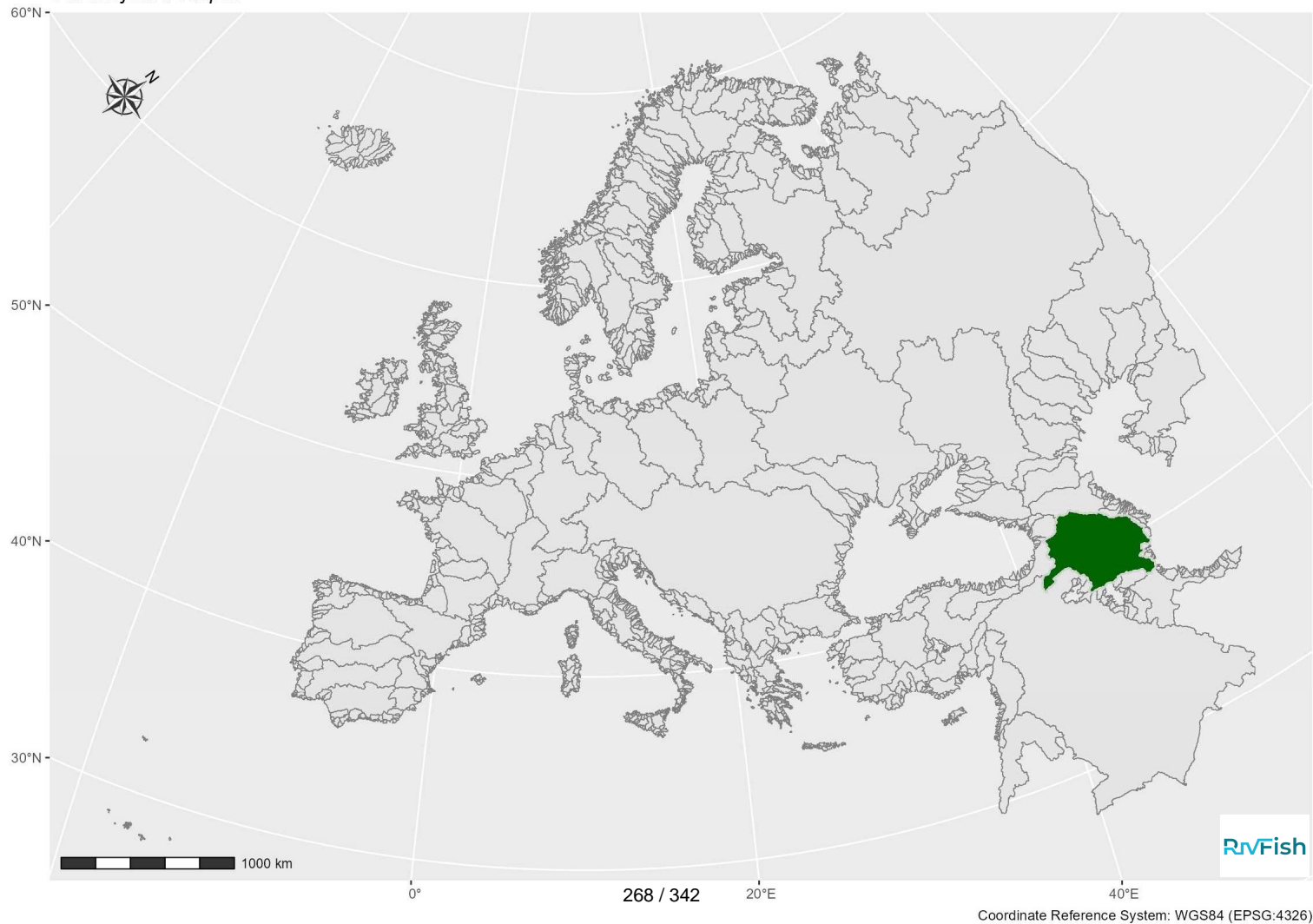
Sabanejewia baltica



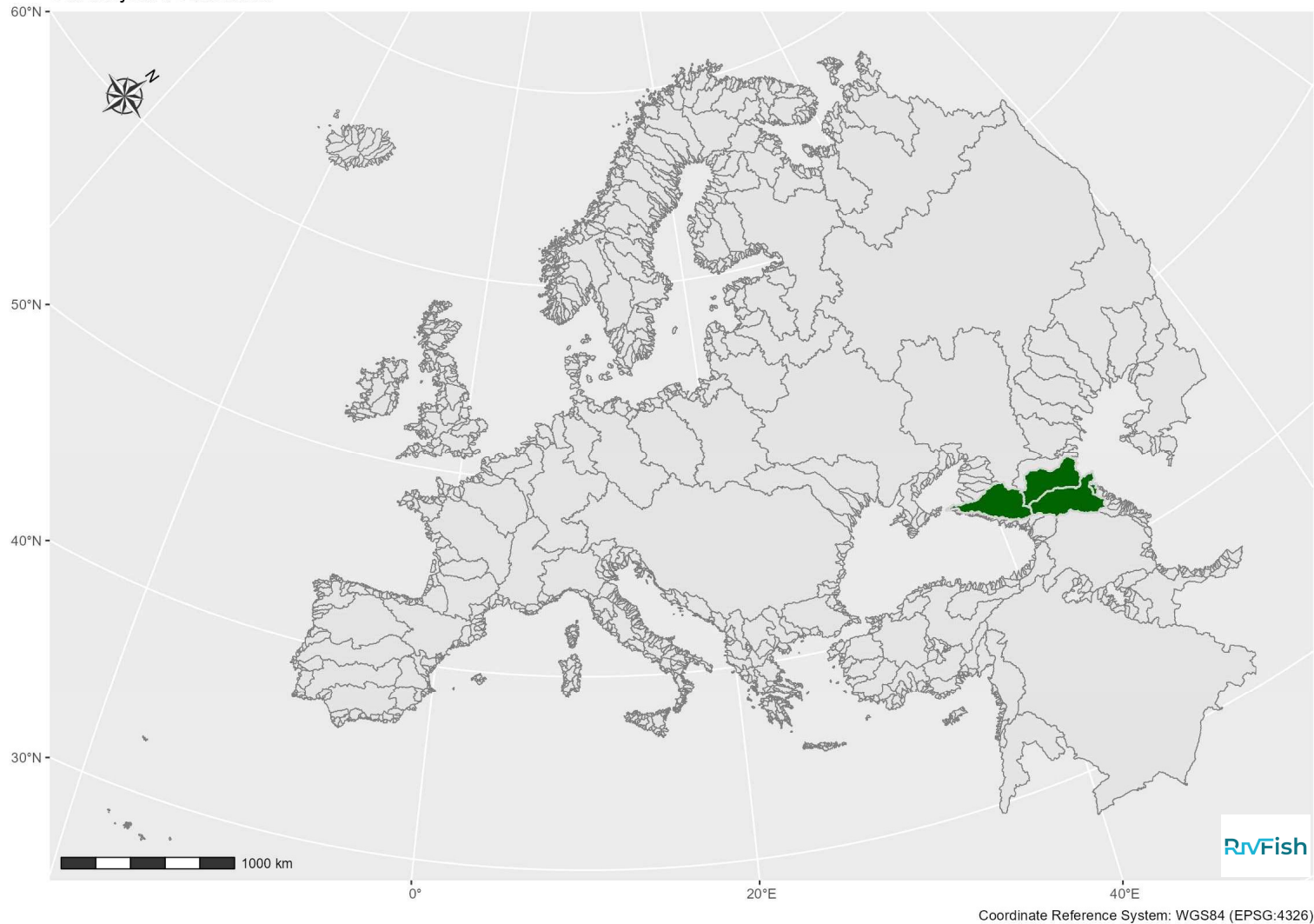
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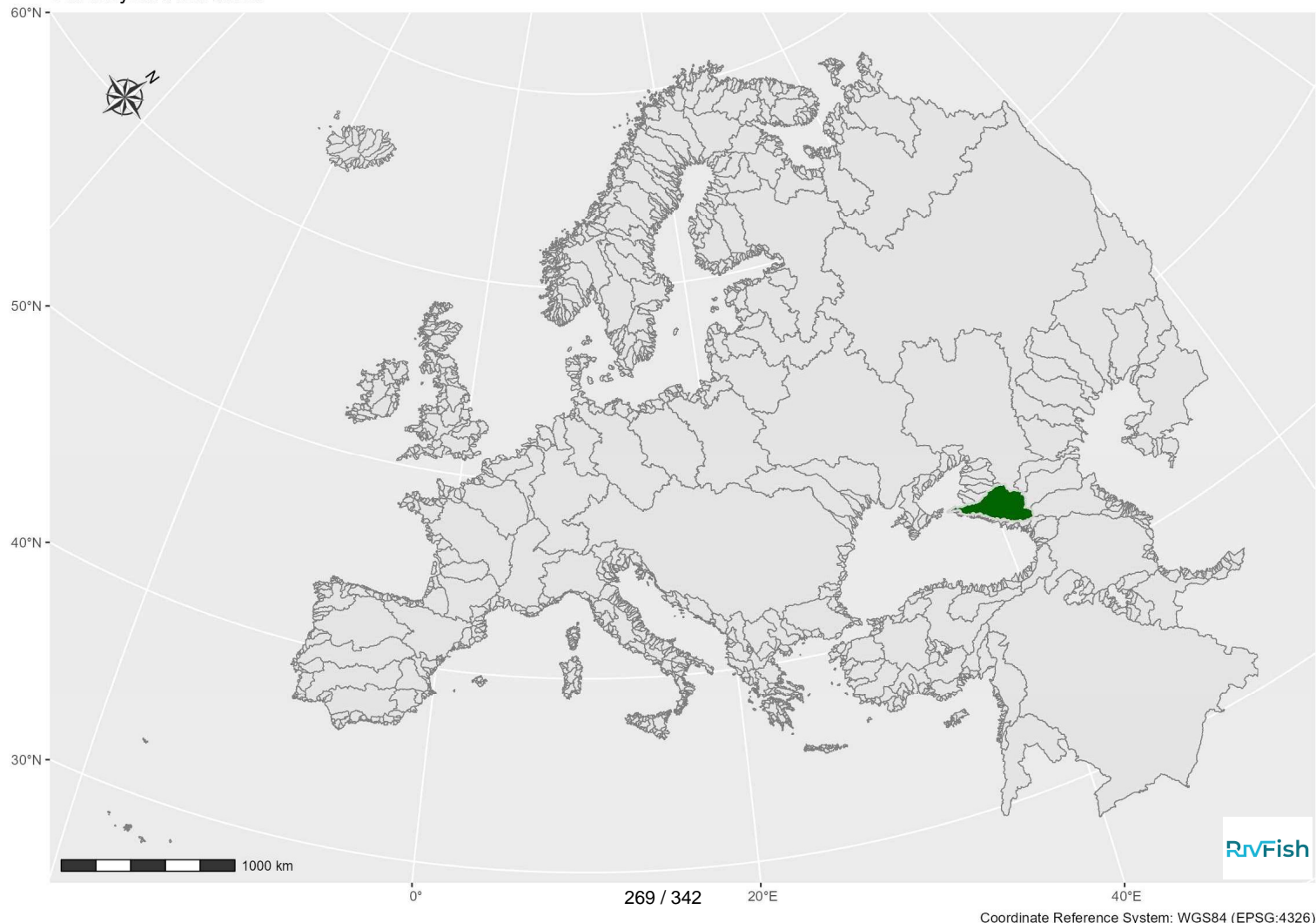
Sabanejewia caspia



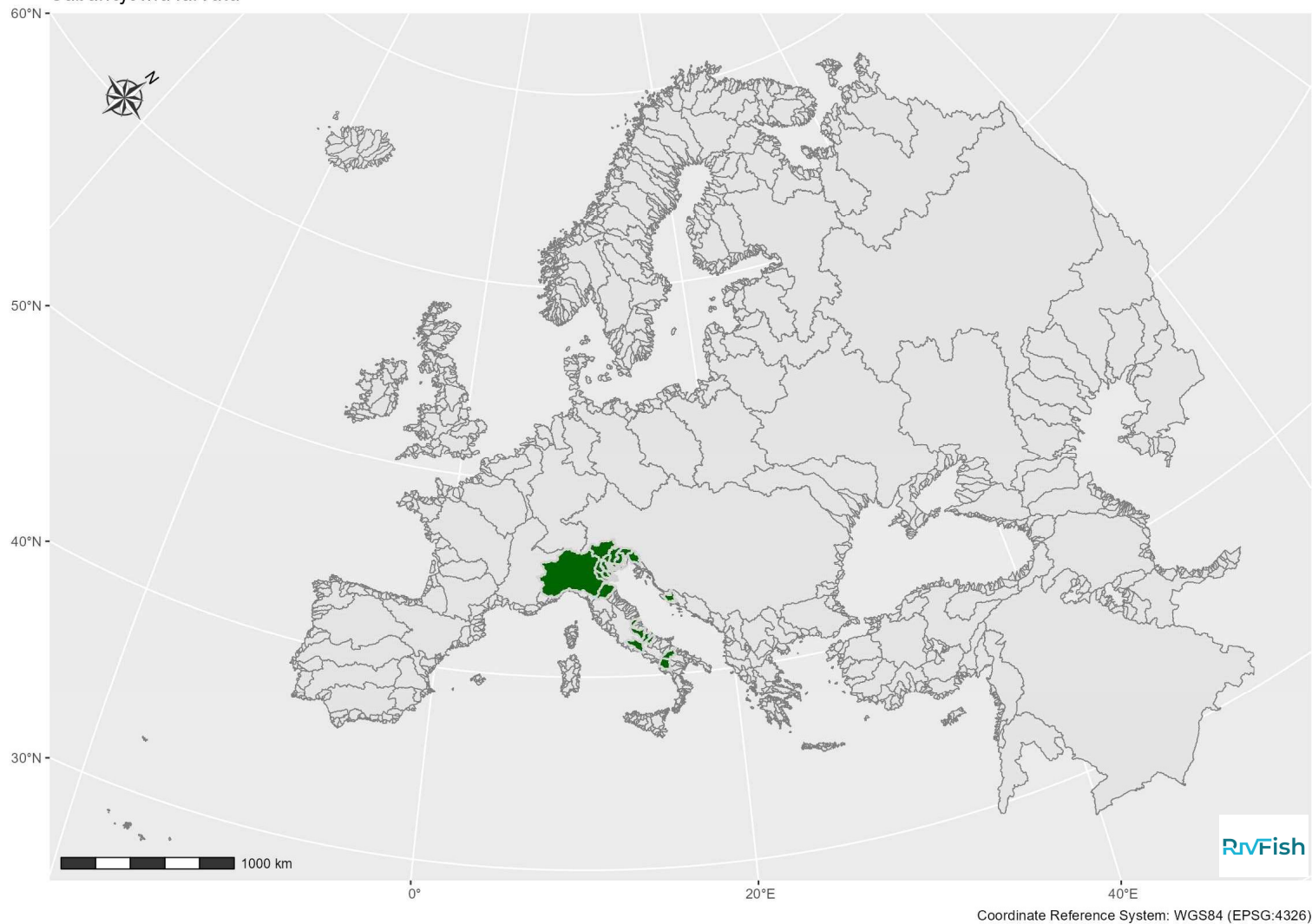
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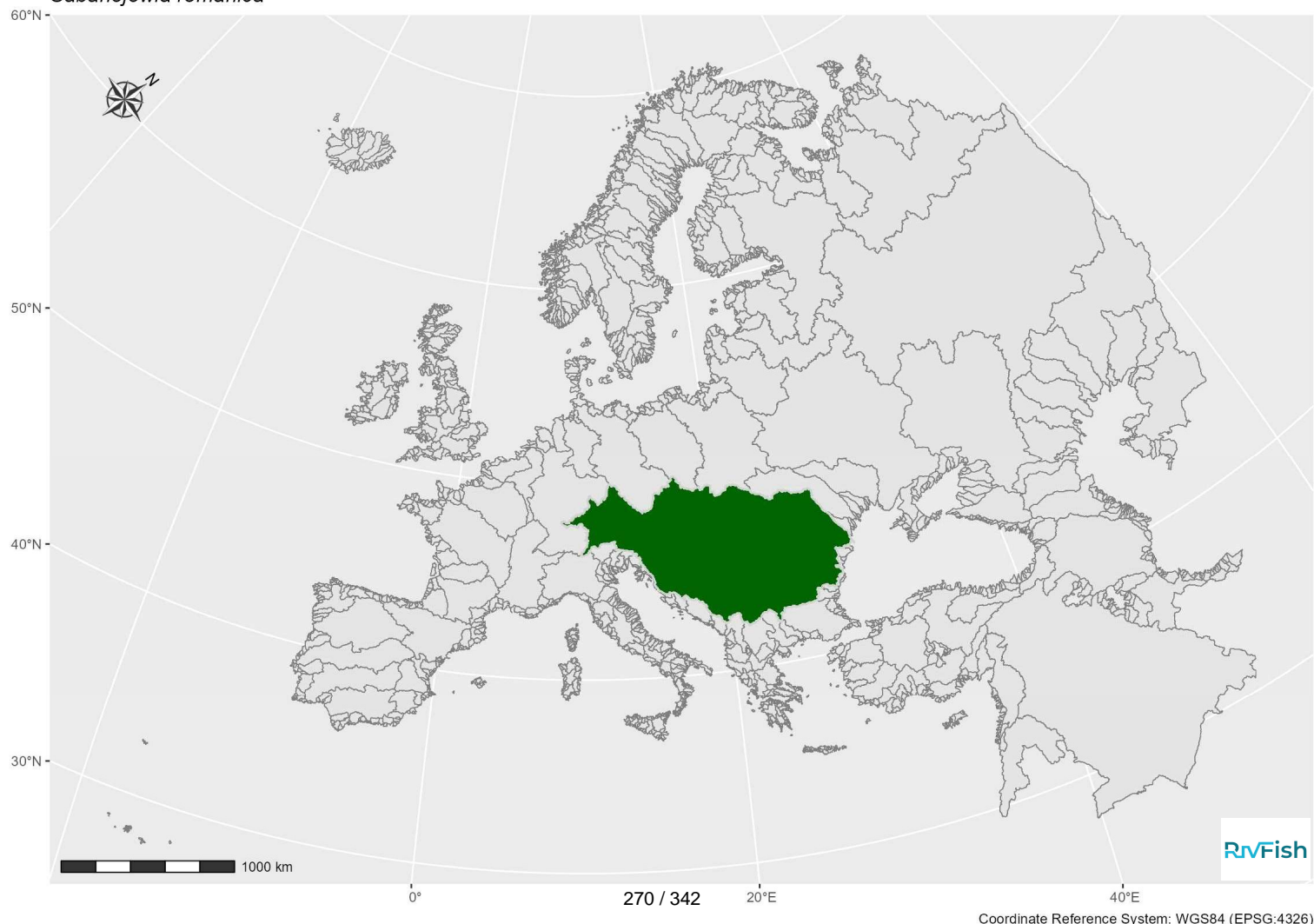
Sabanejewia kubanica



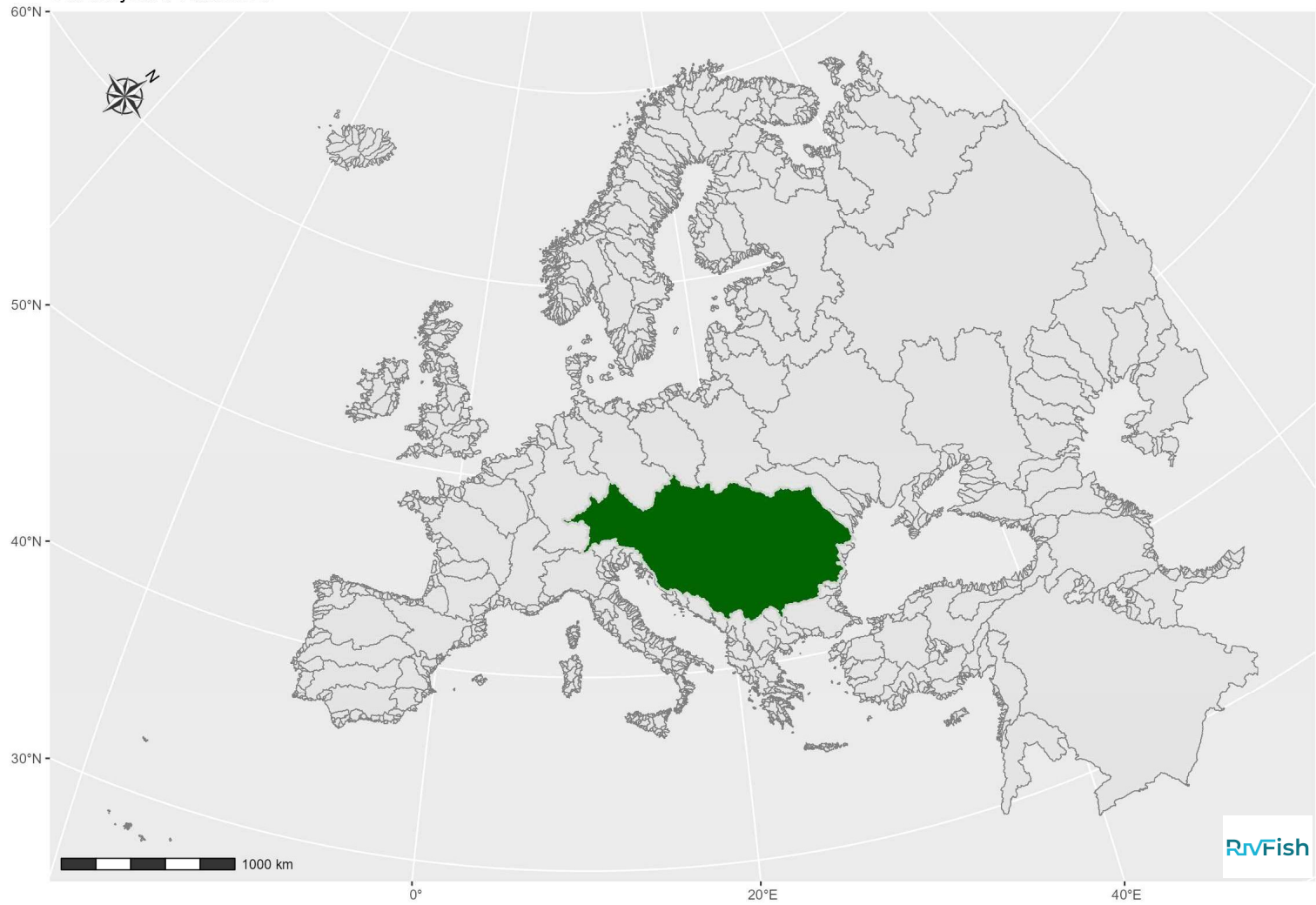
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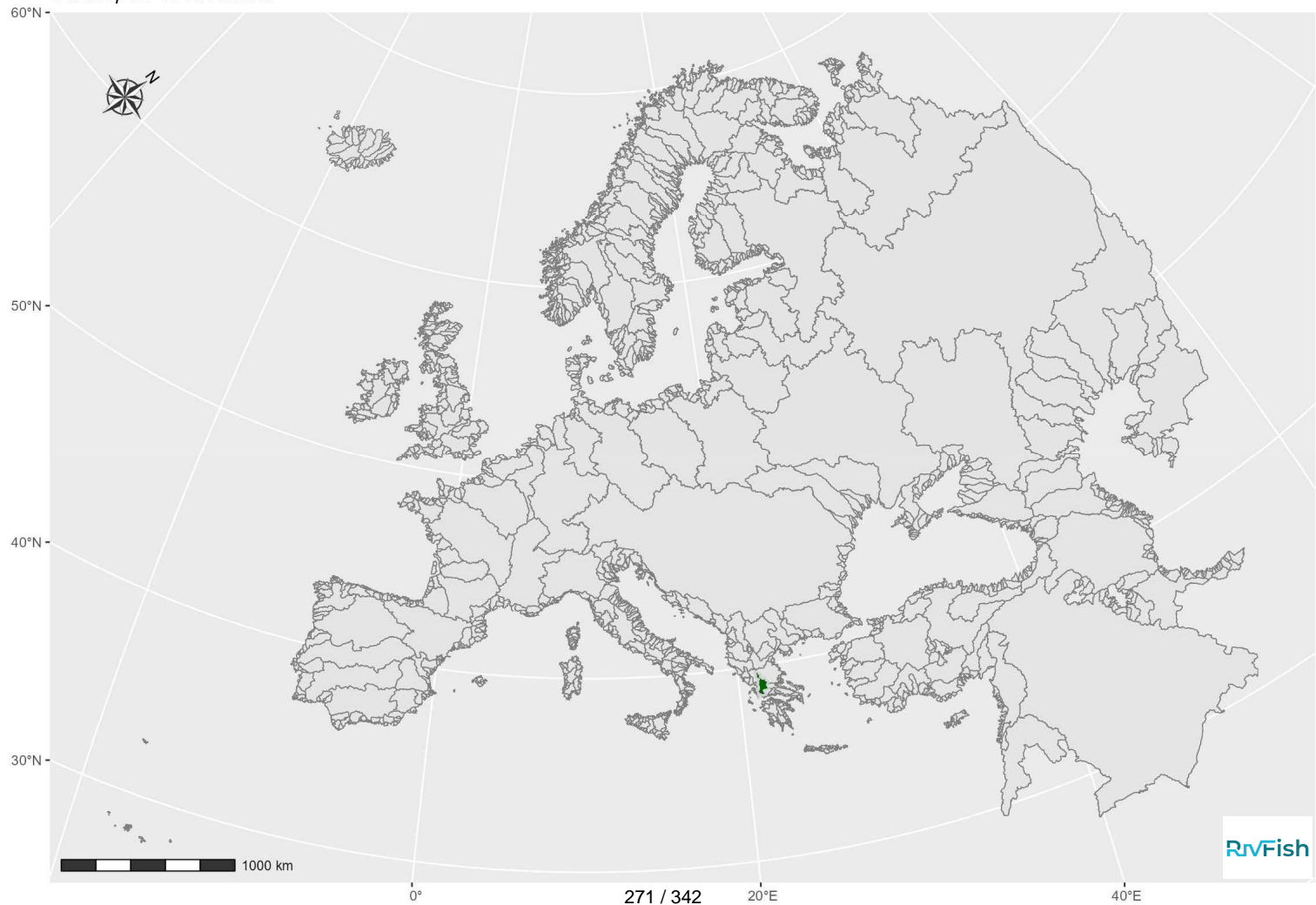
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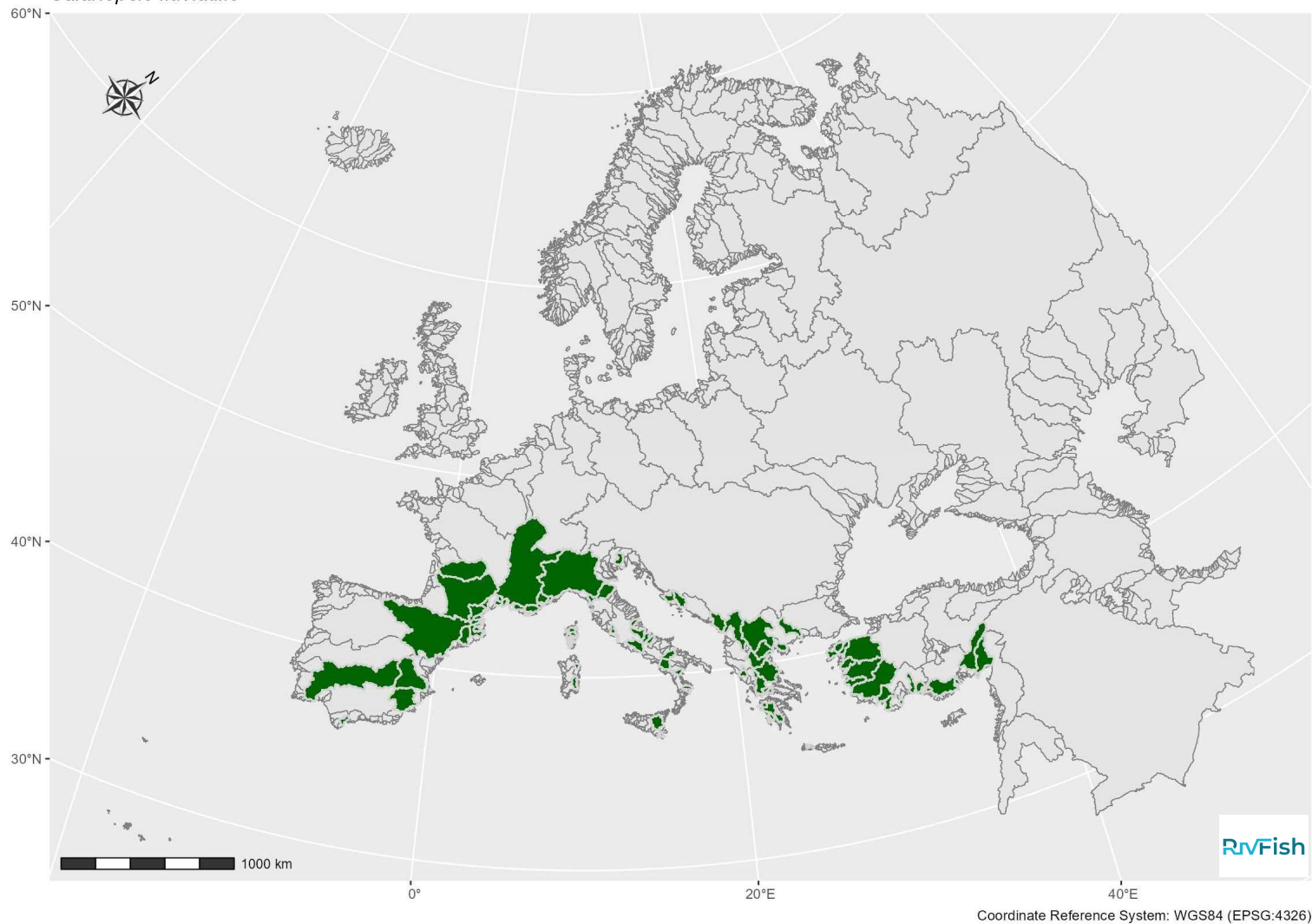
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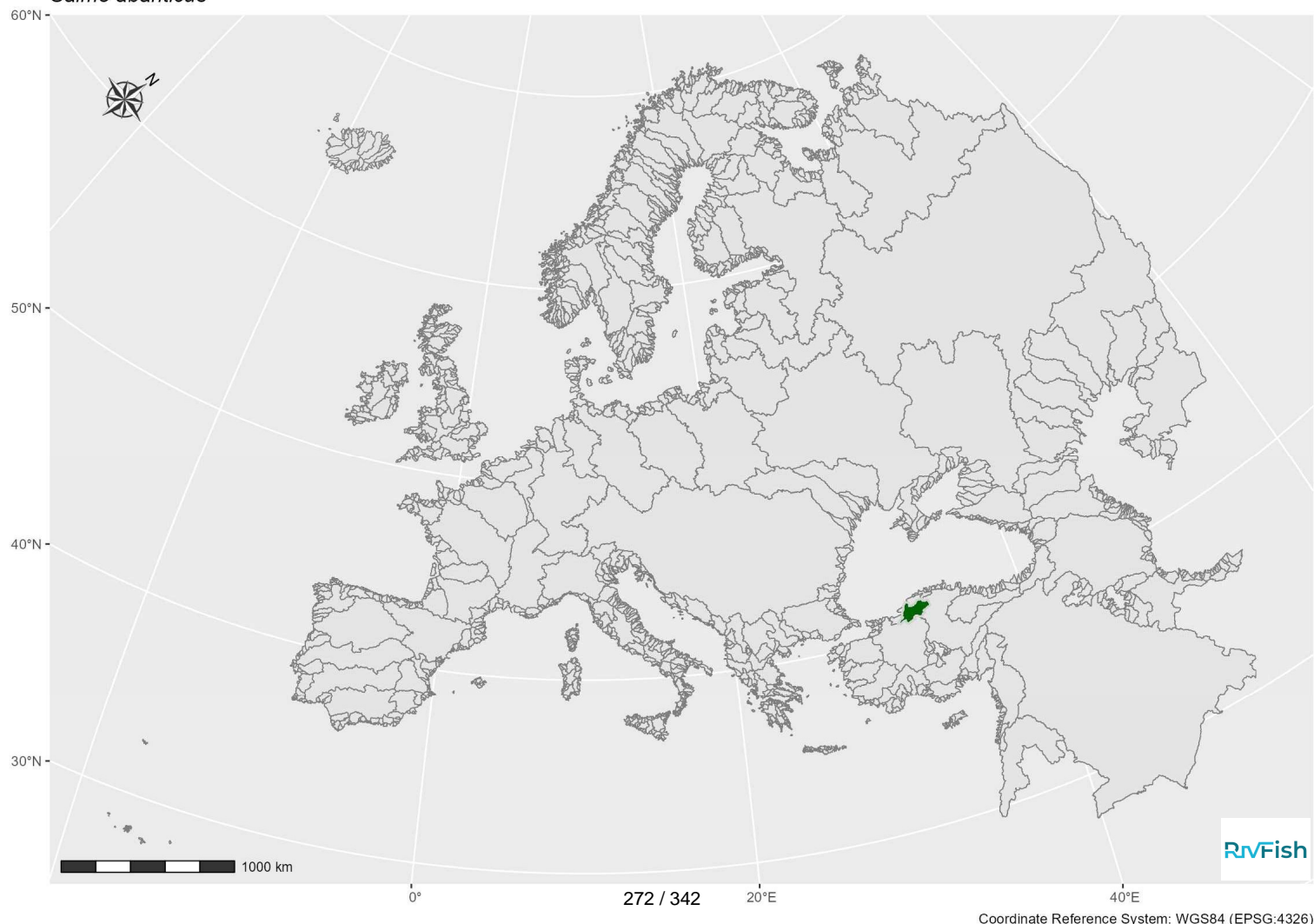
Salariopsis economidisi



Salariopsis fluviatilis



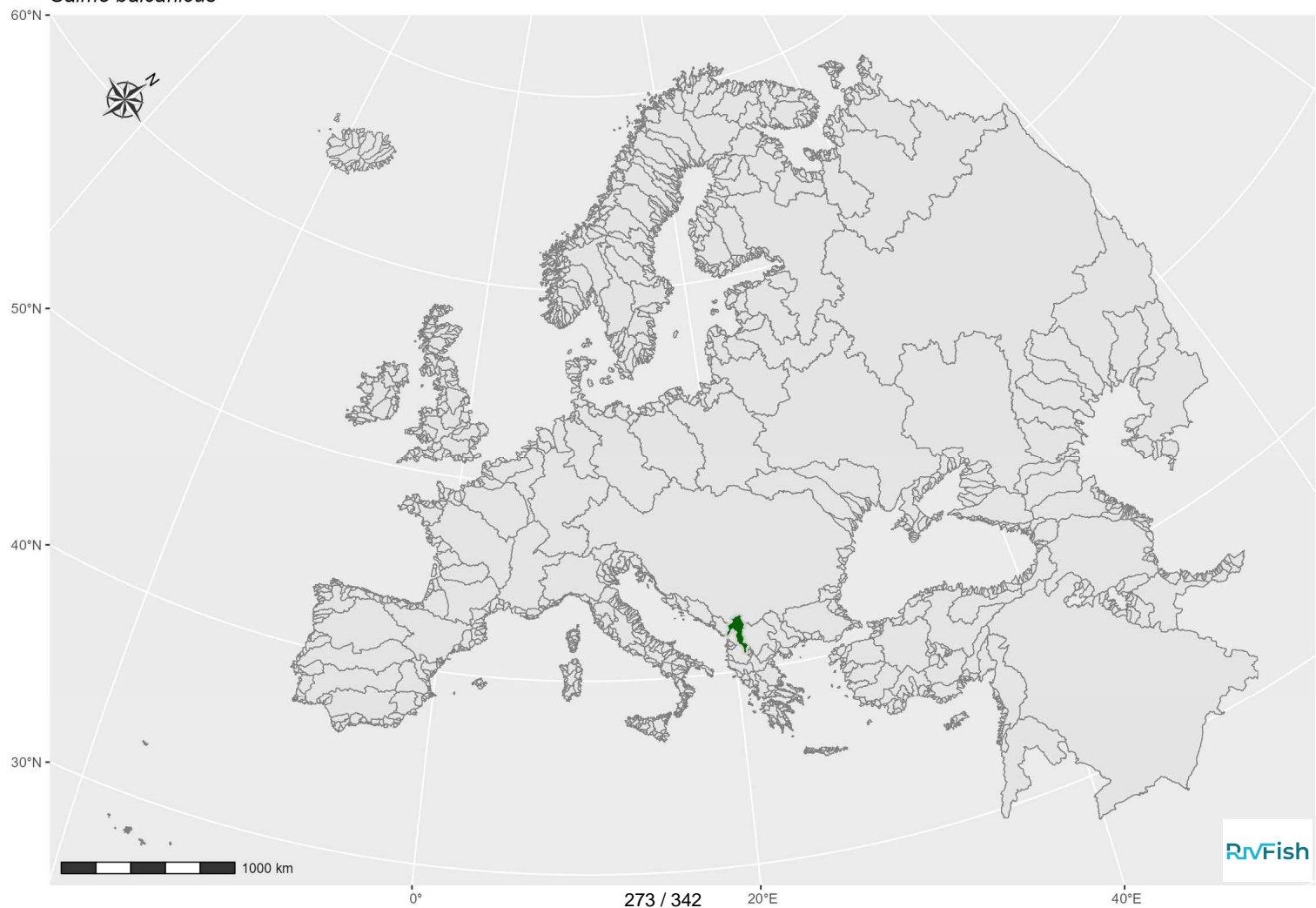
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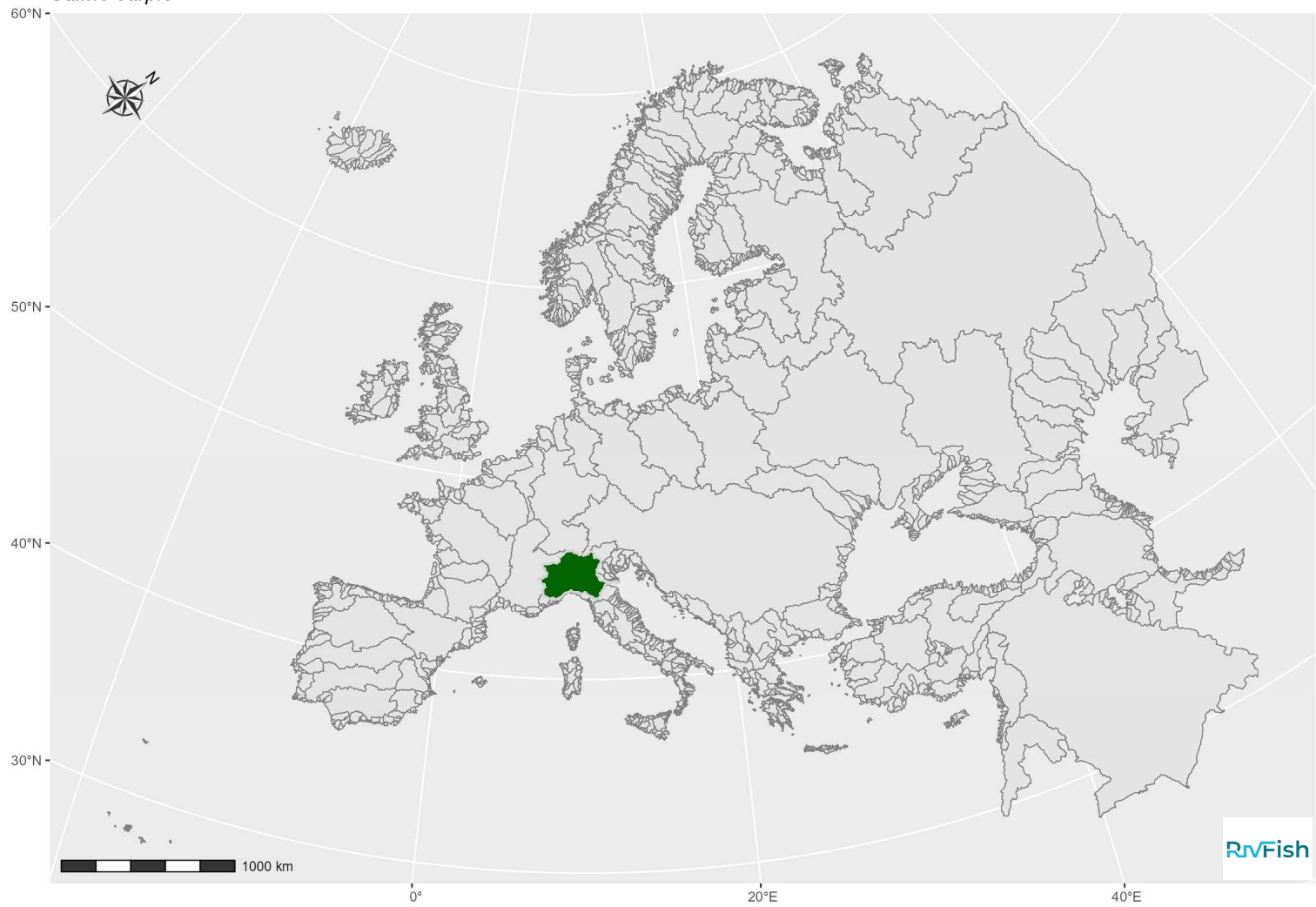
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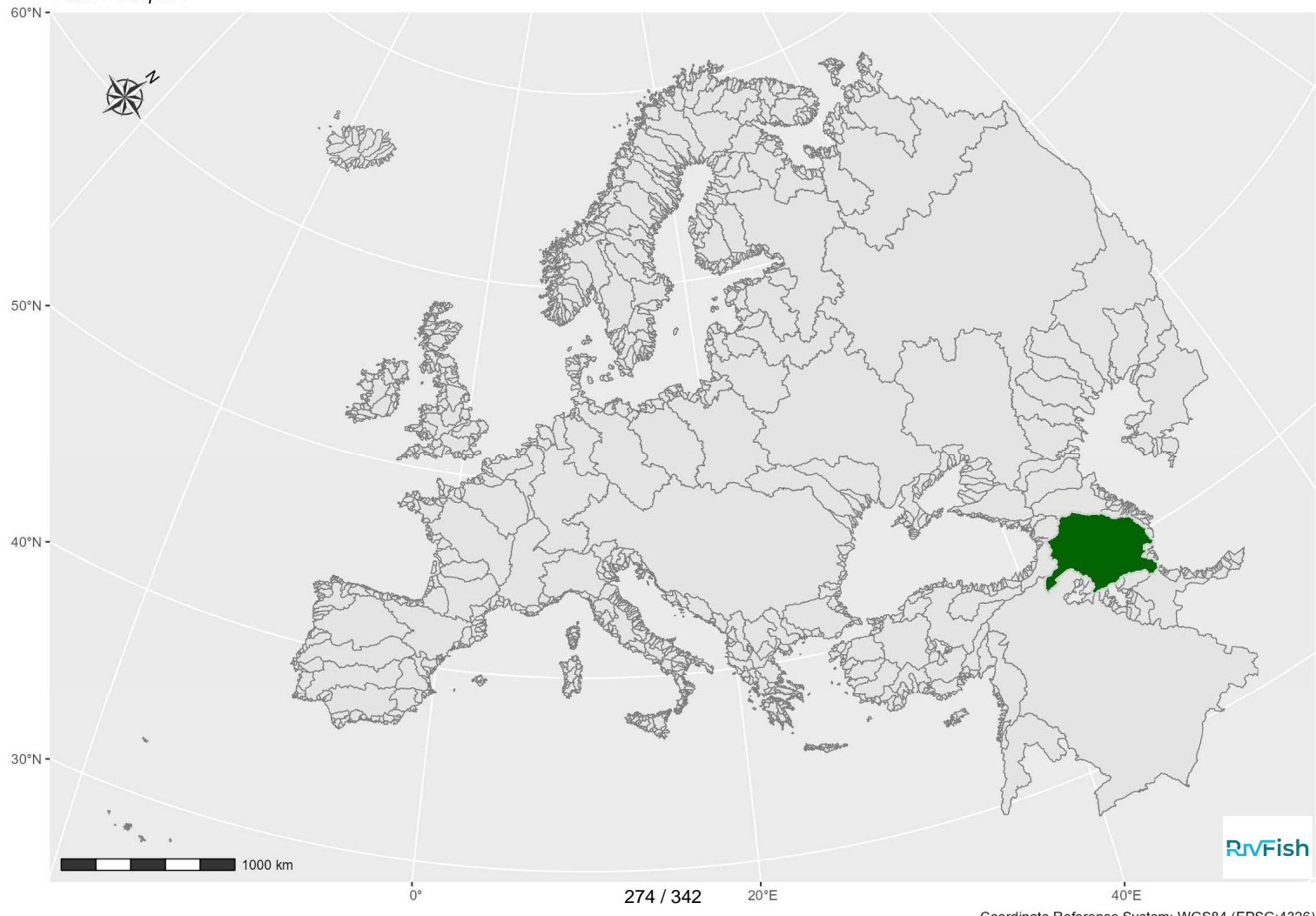
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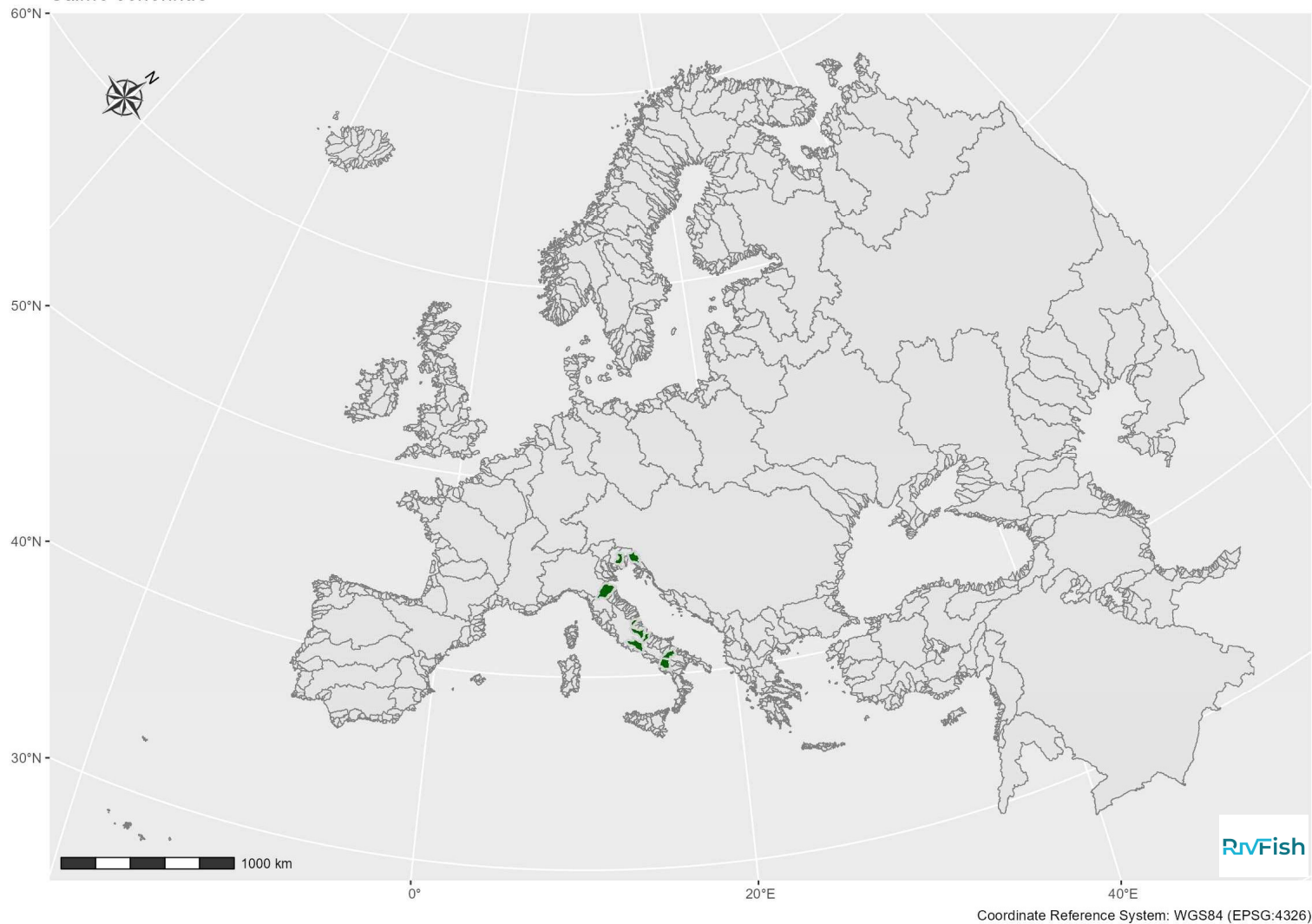
Salmo carpio



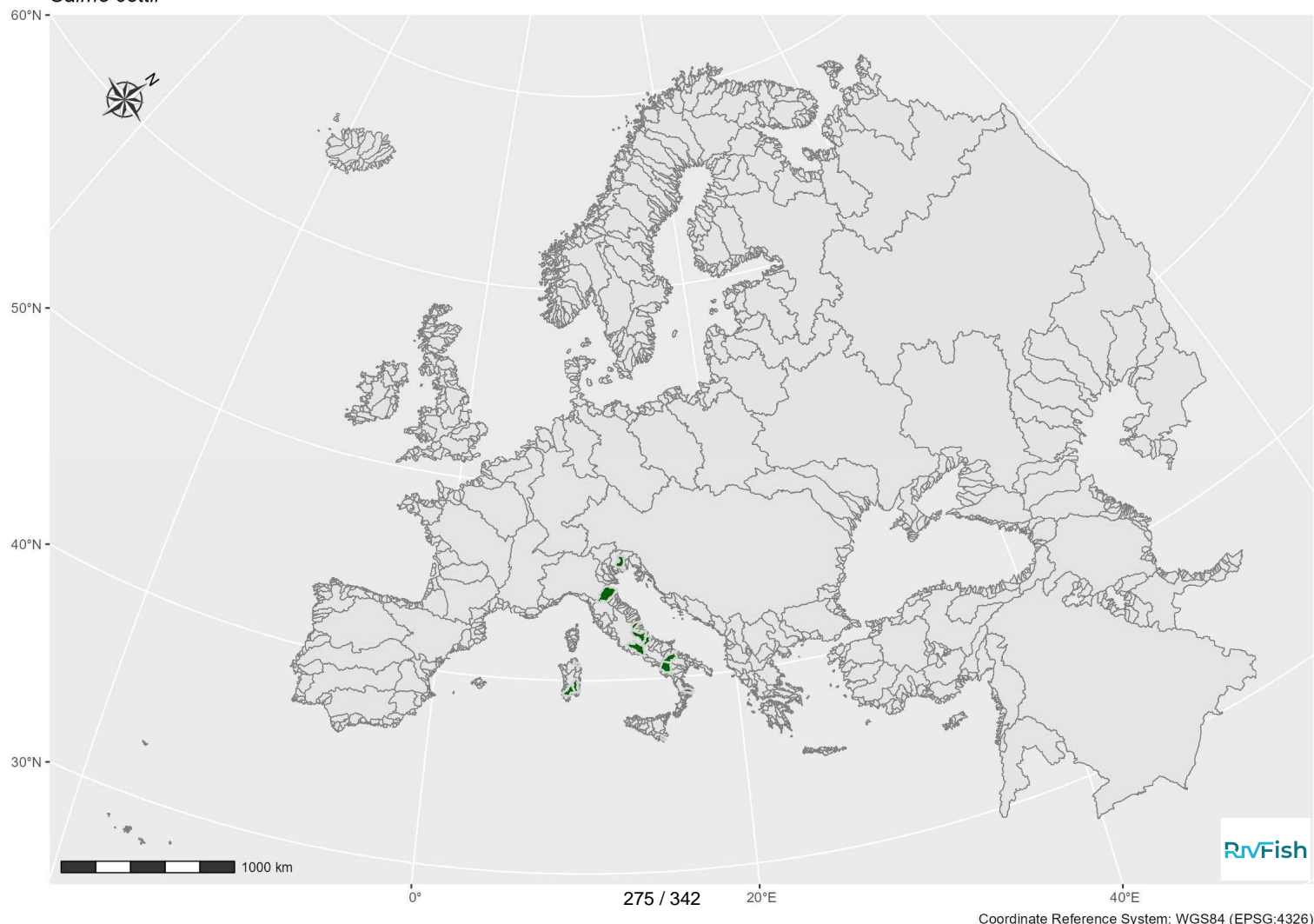
Salmo caspius



Salmo cenerinus



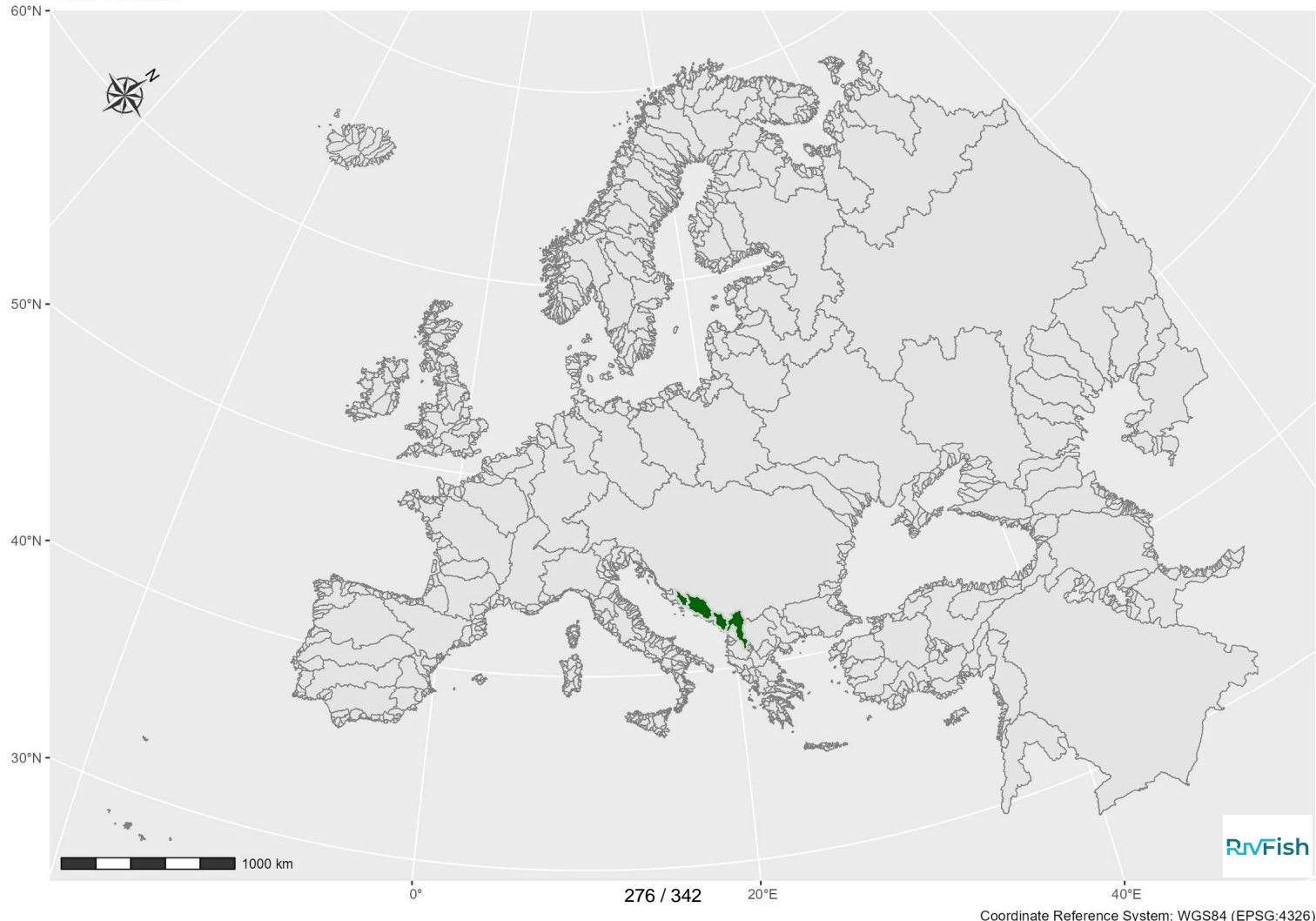
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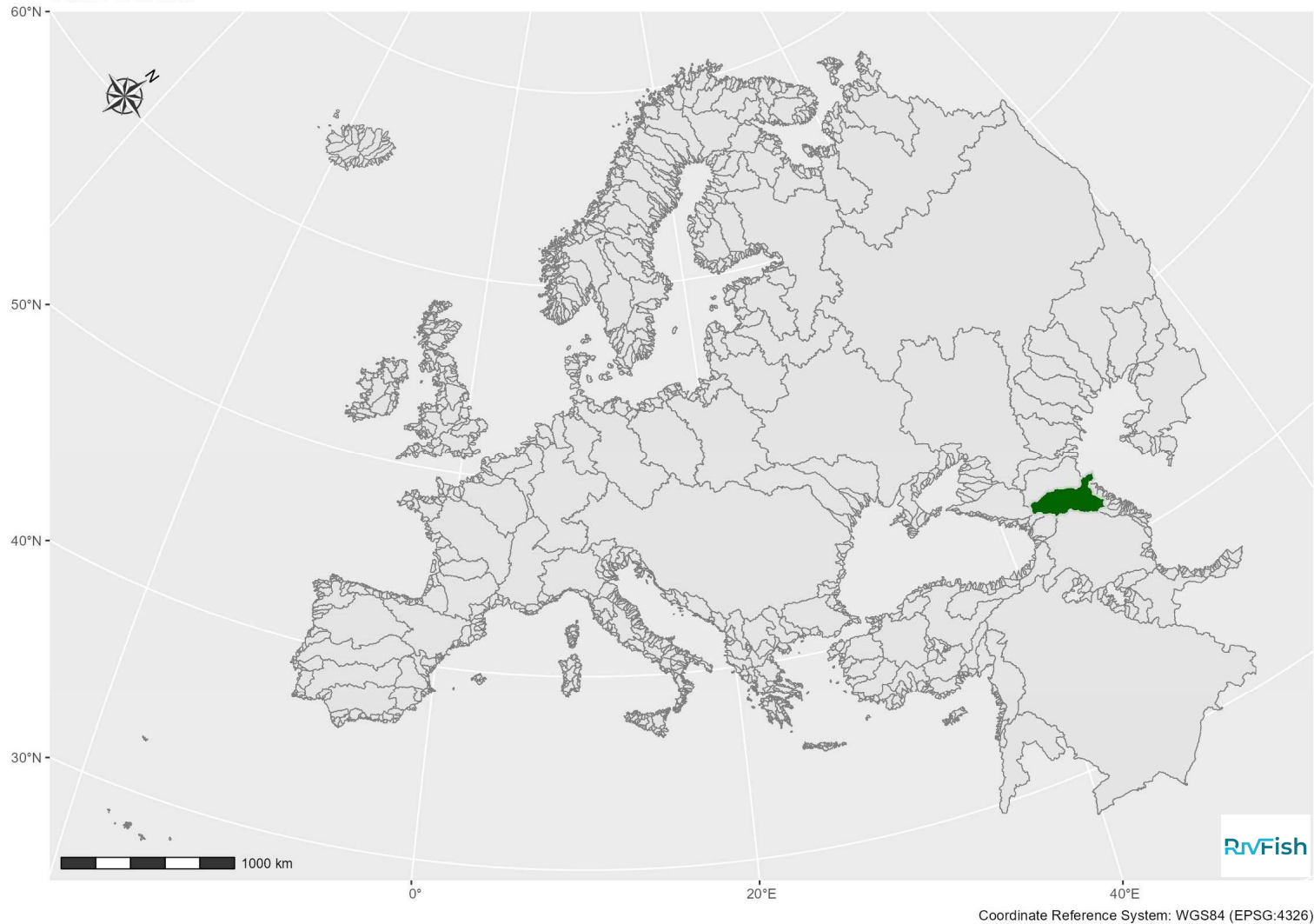
Salmo chilo



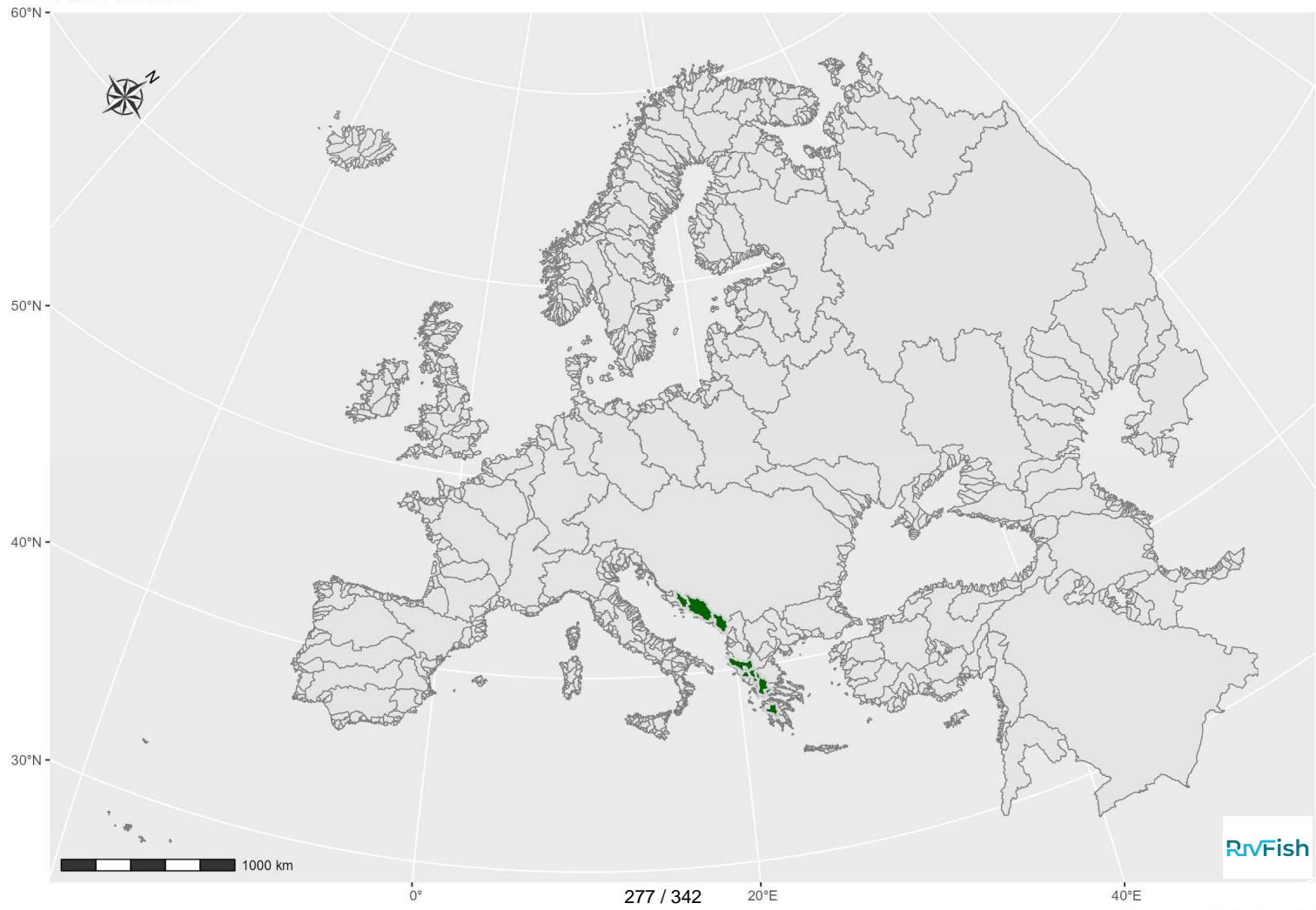
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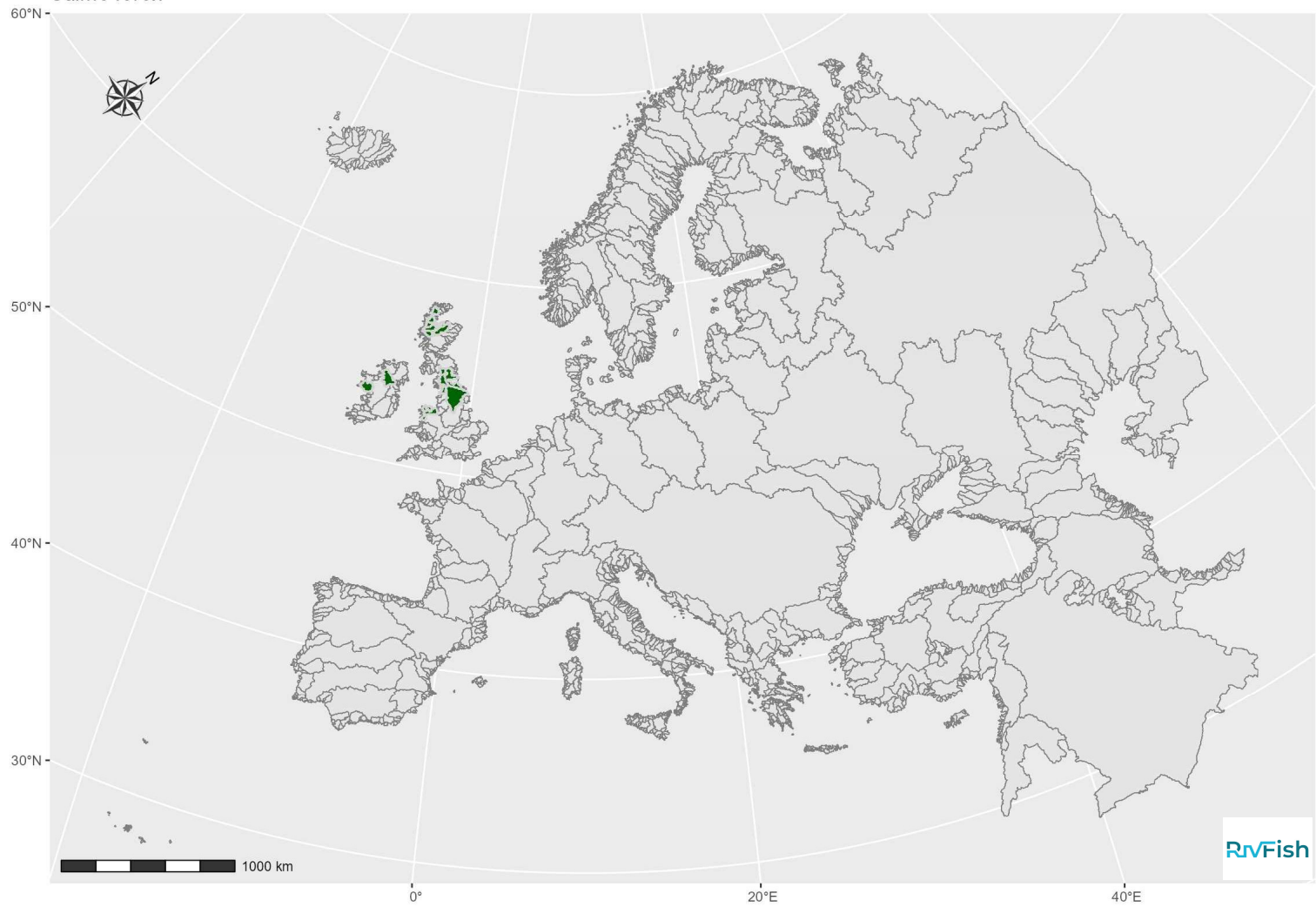
Salmo ezenami



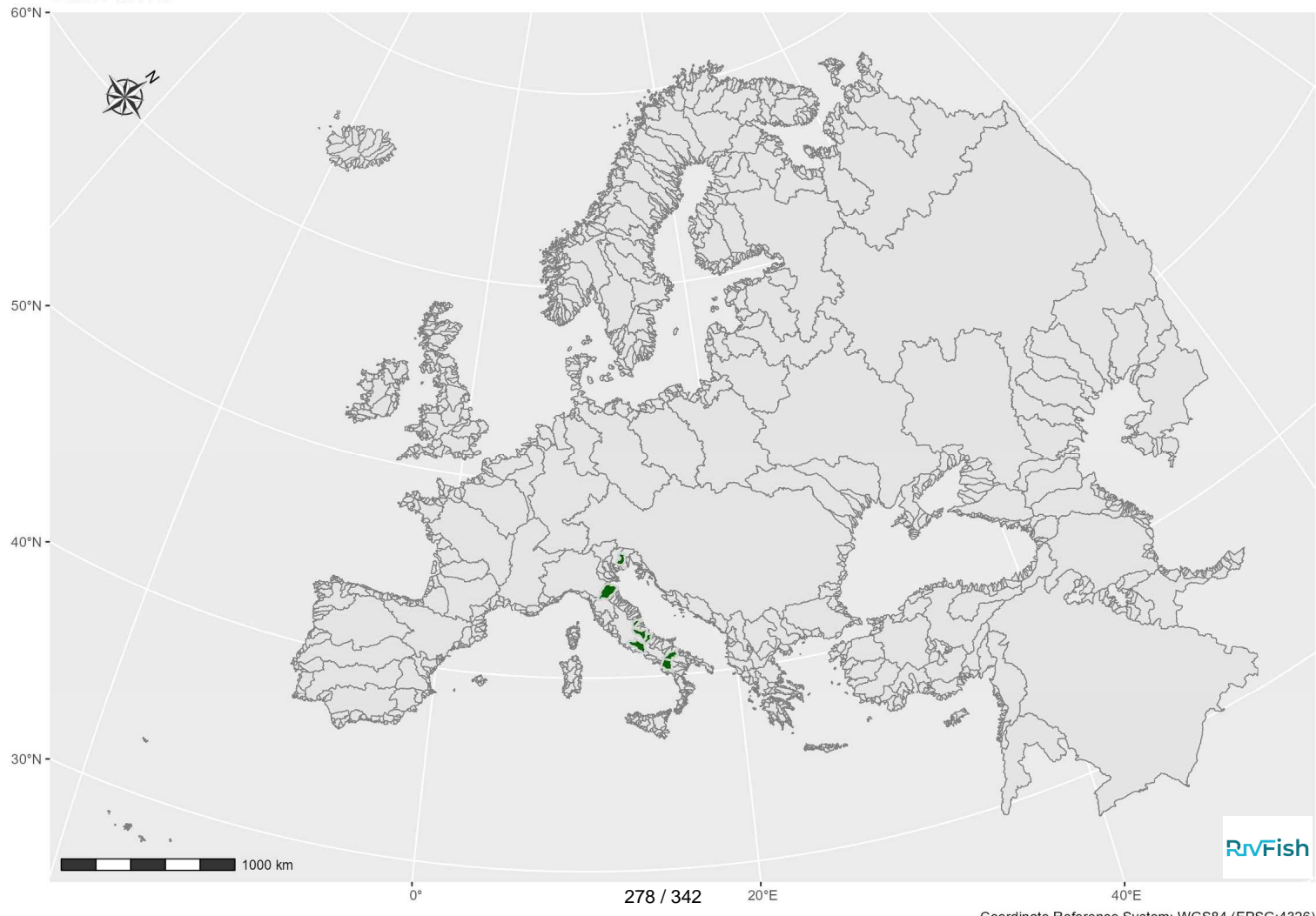
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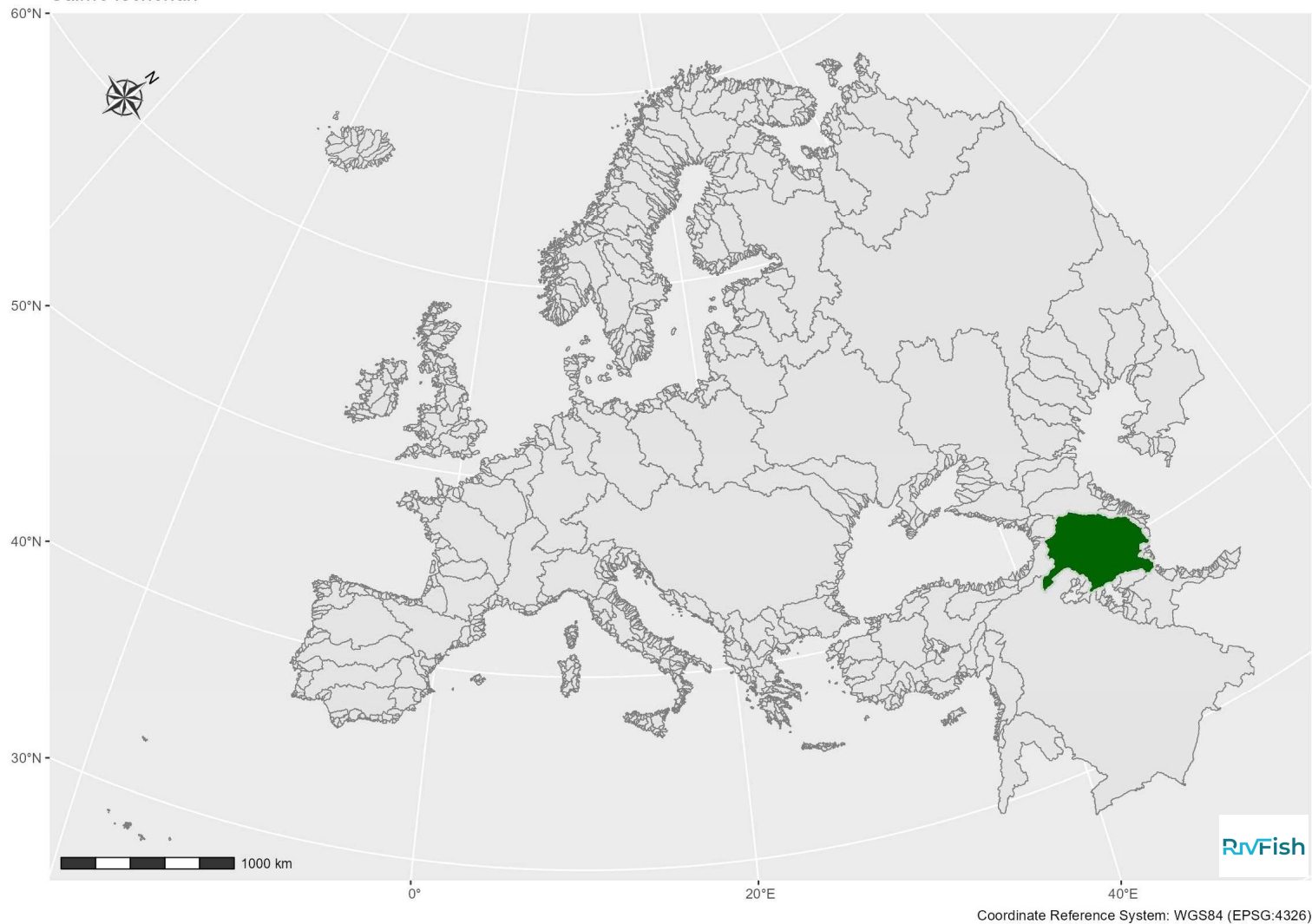
Salmo ferox



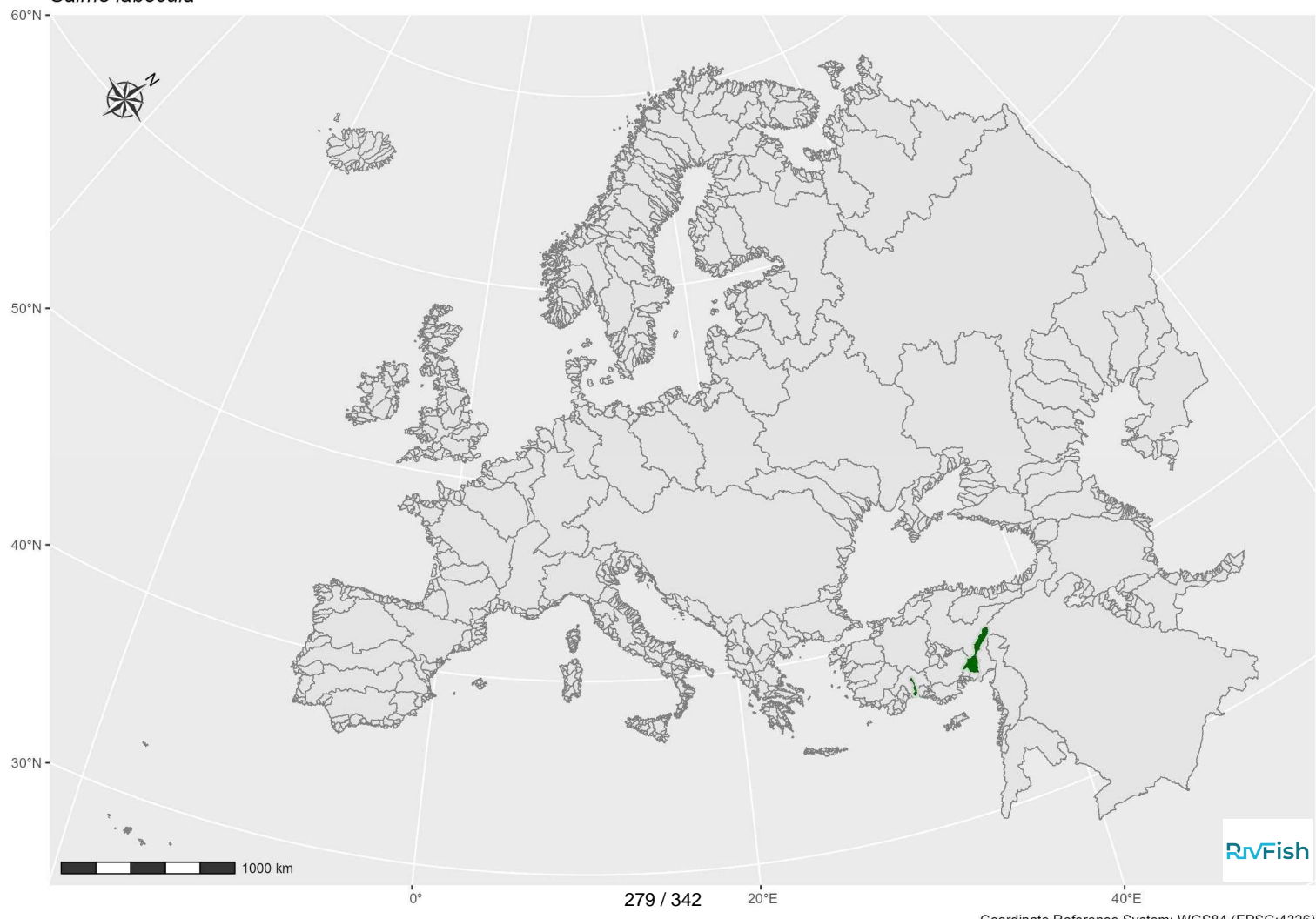
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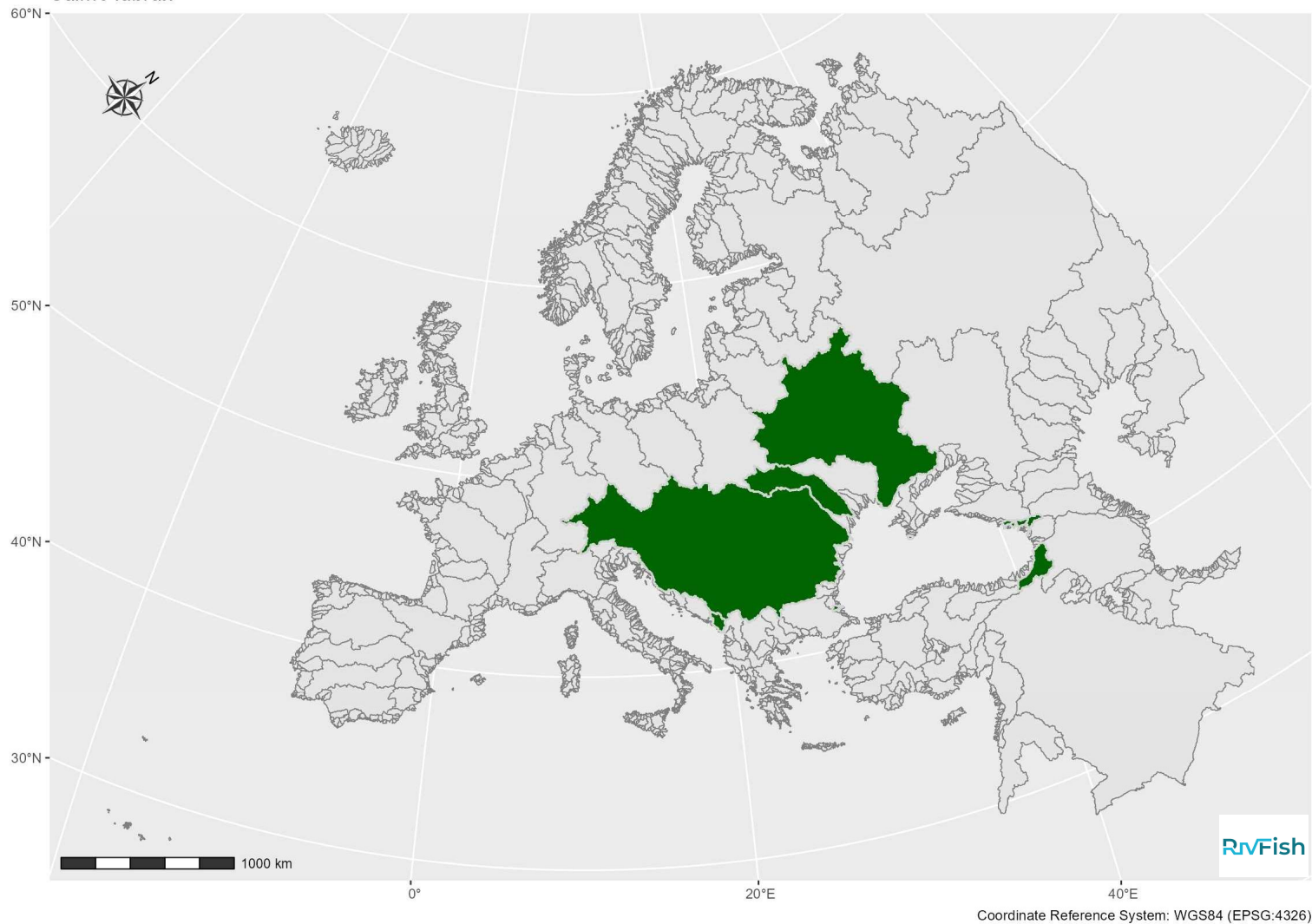
Salmo ischchan



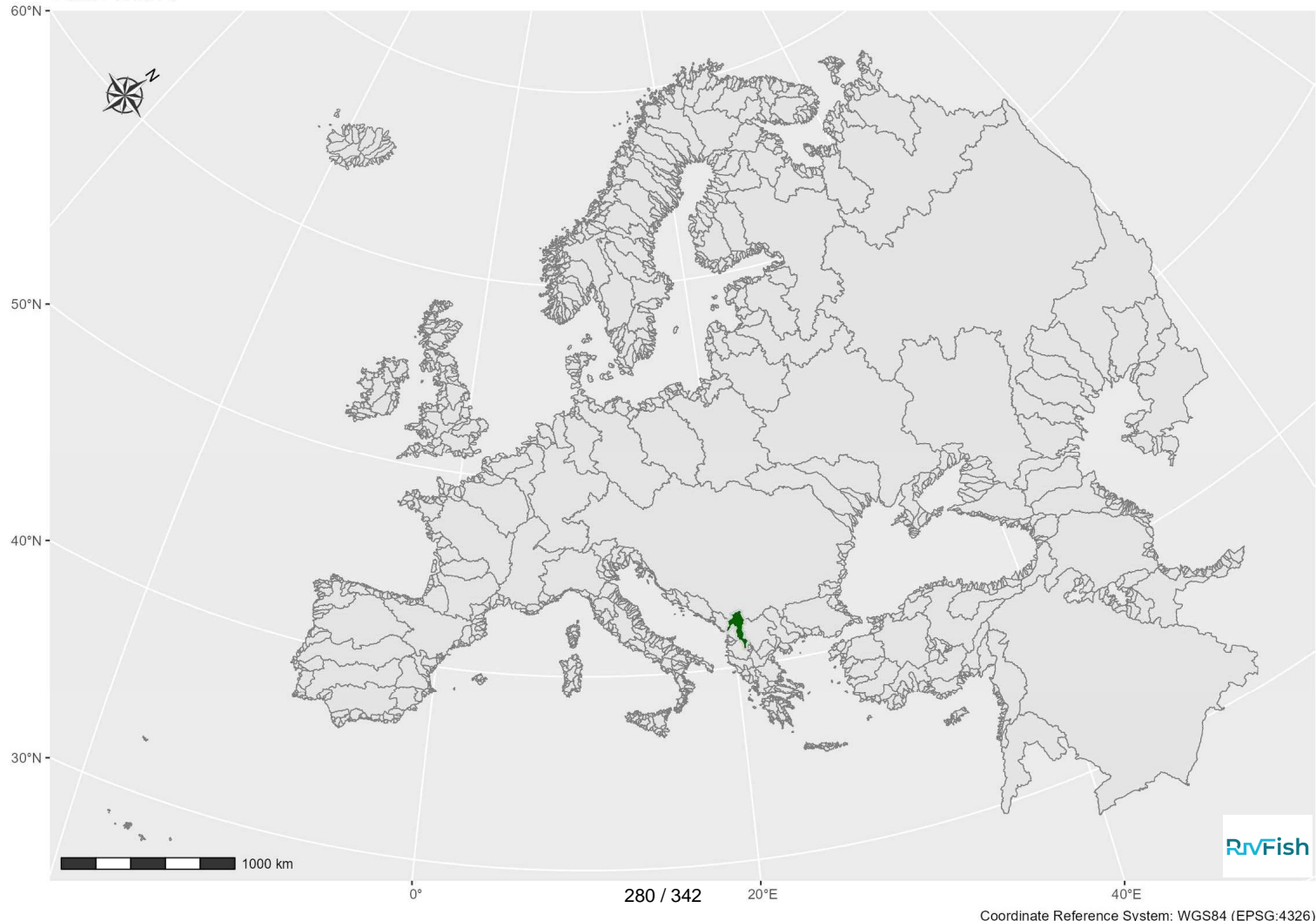
Salmo labecula



Salmo labrax



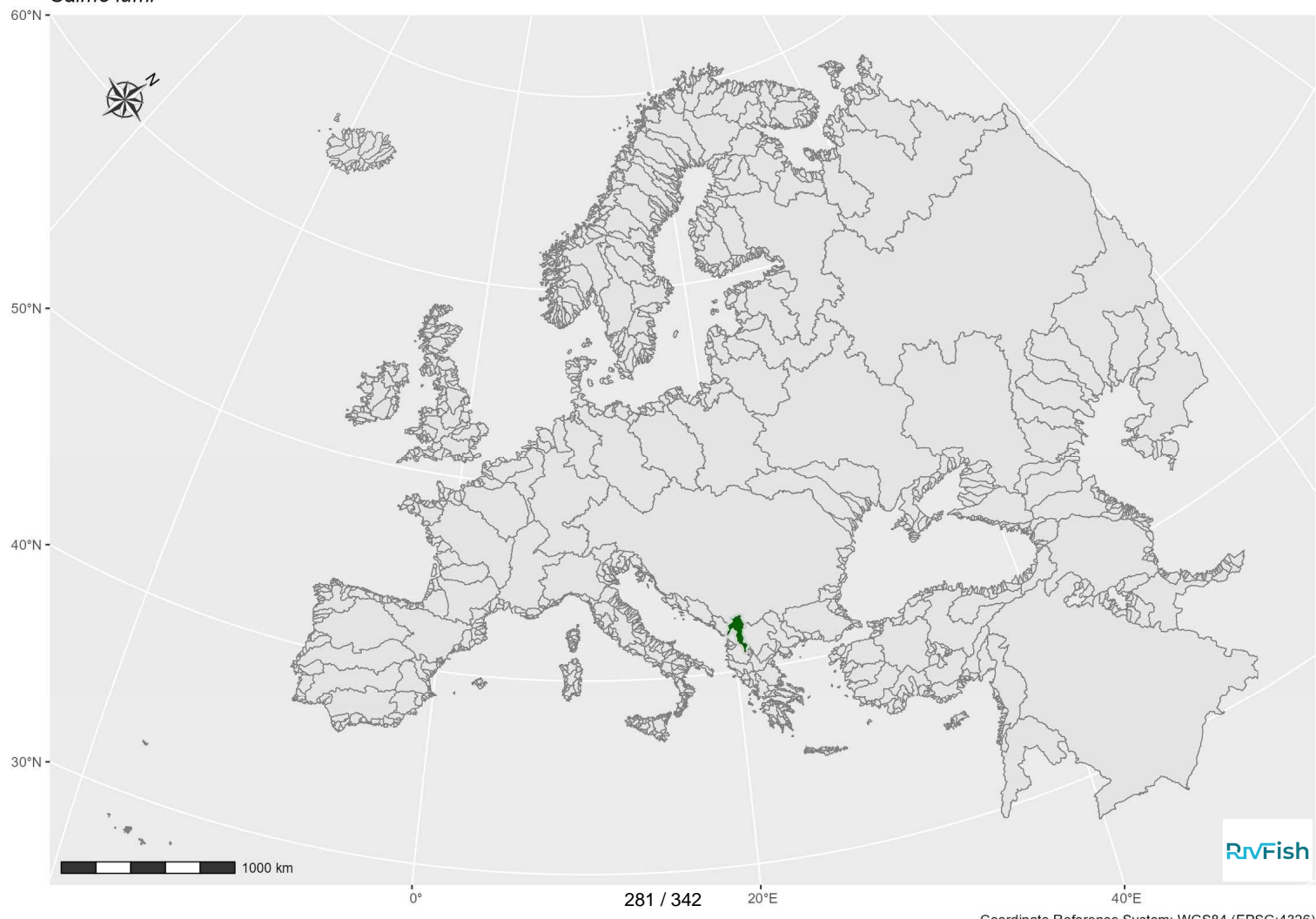
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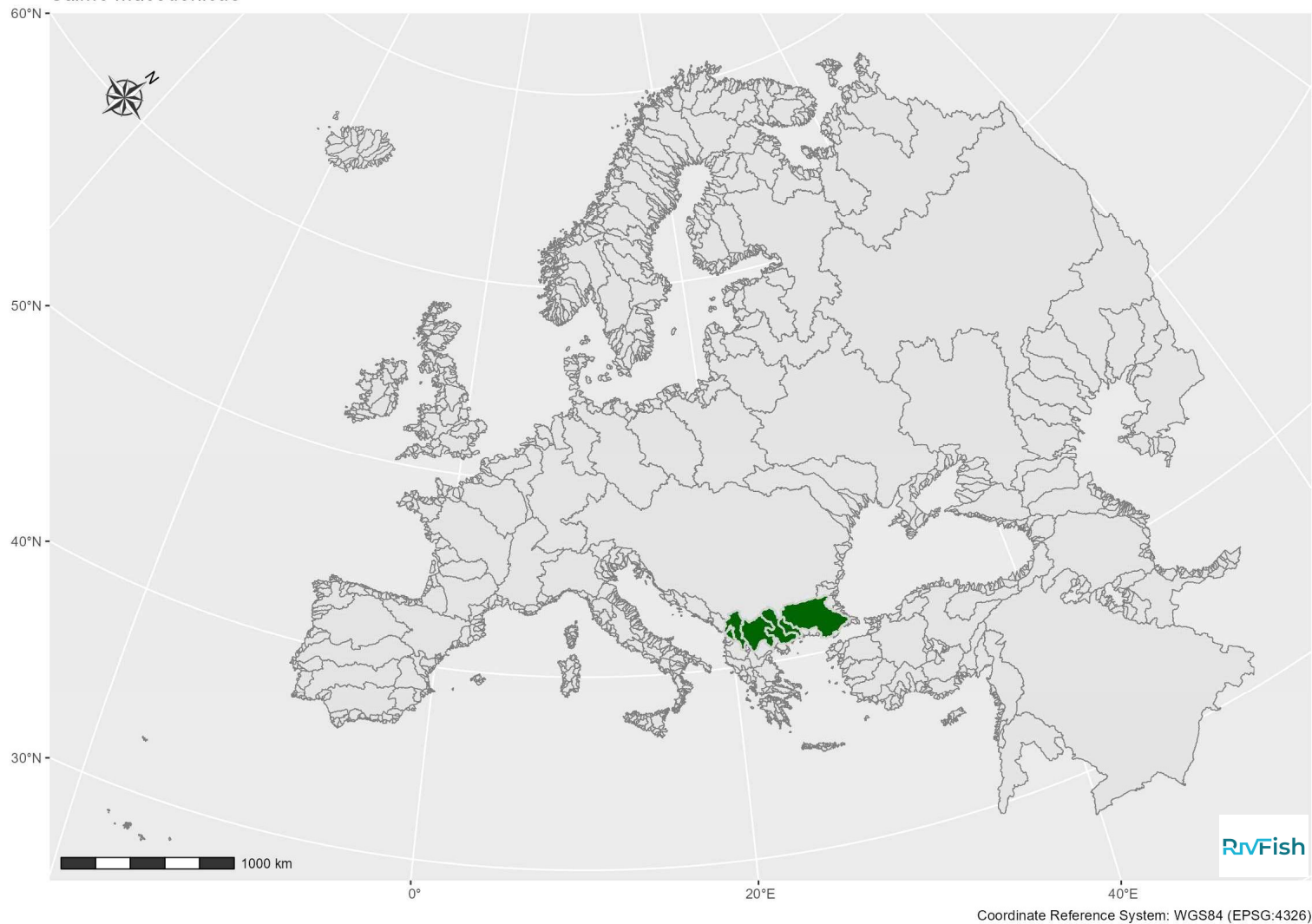
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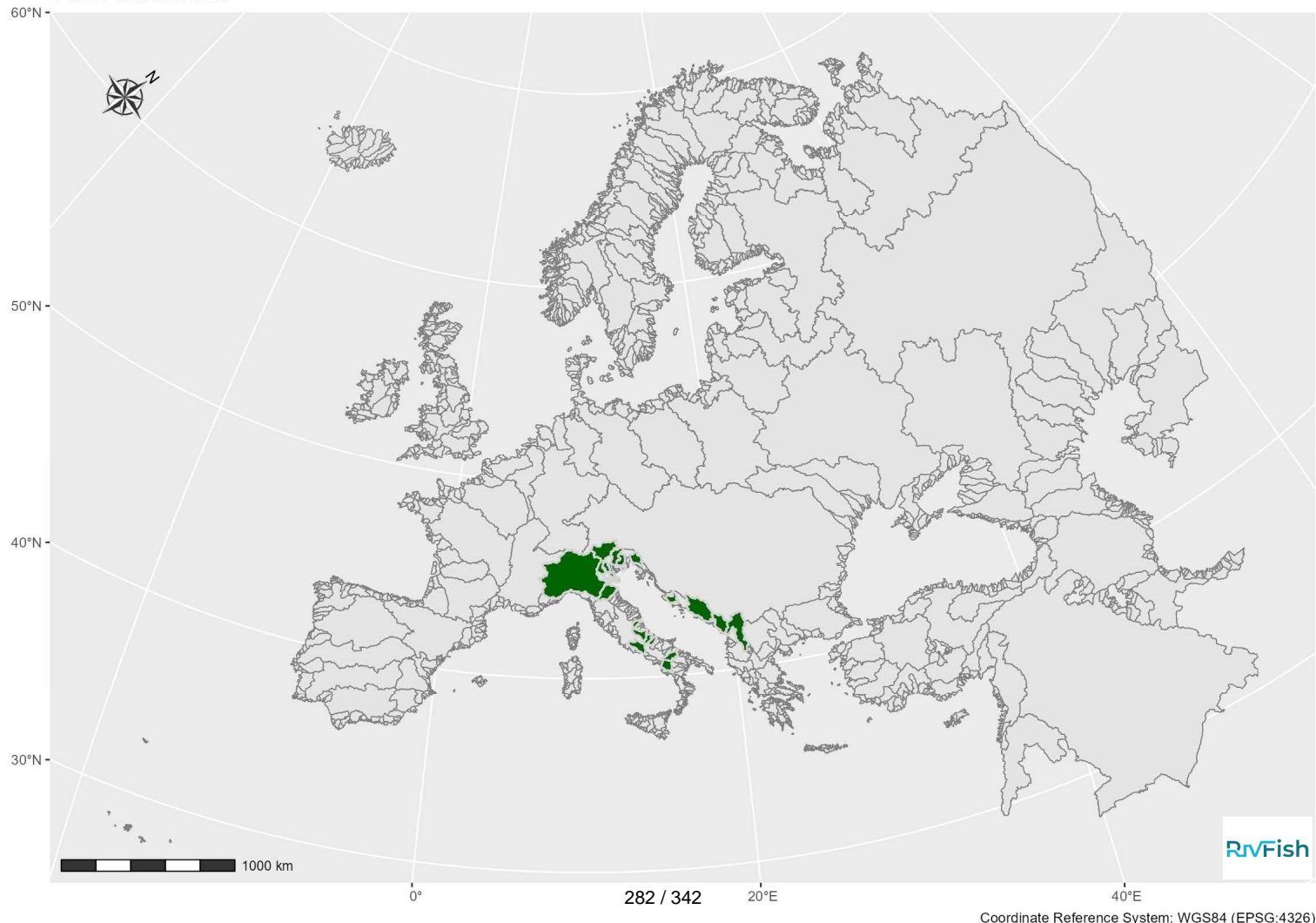
Salmo lumi



Salmo macedonicus



Salmo marmoratus



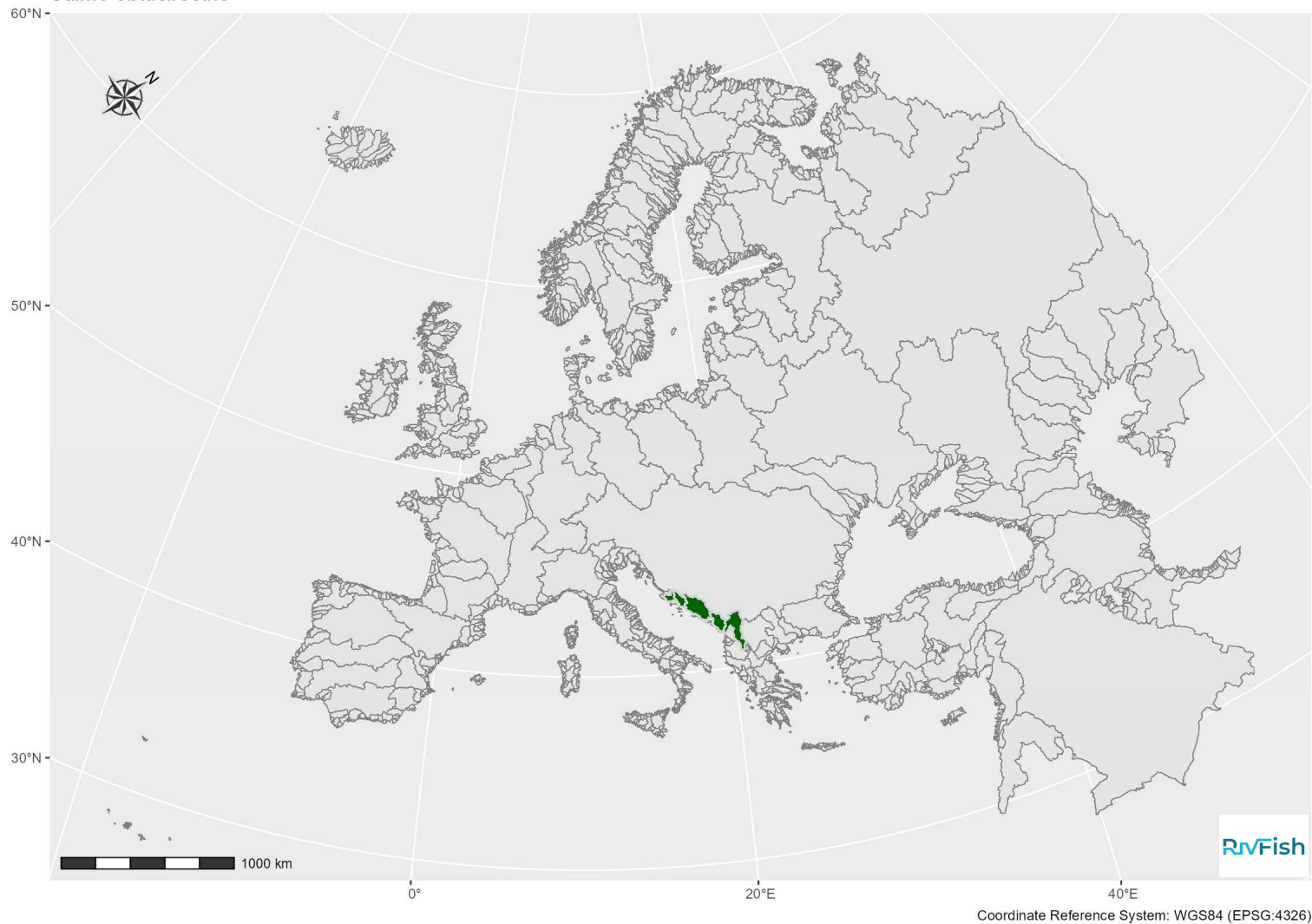
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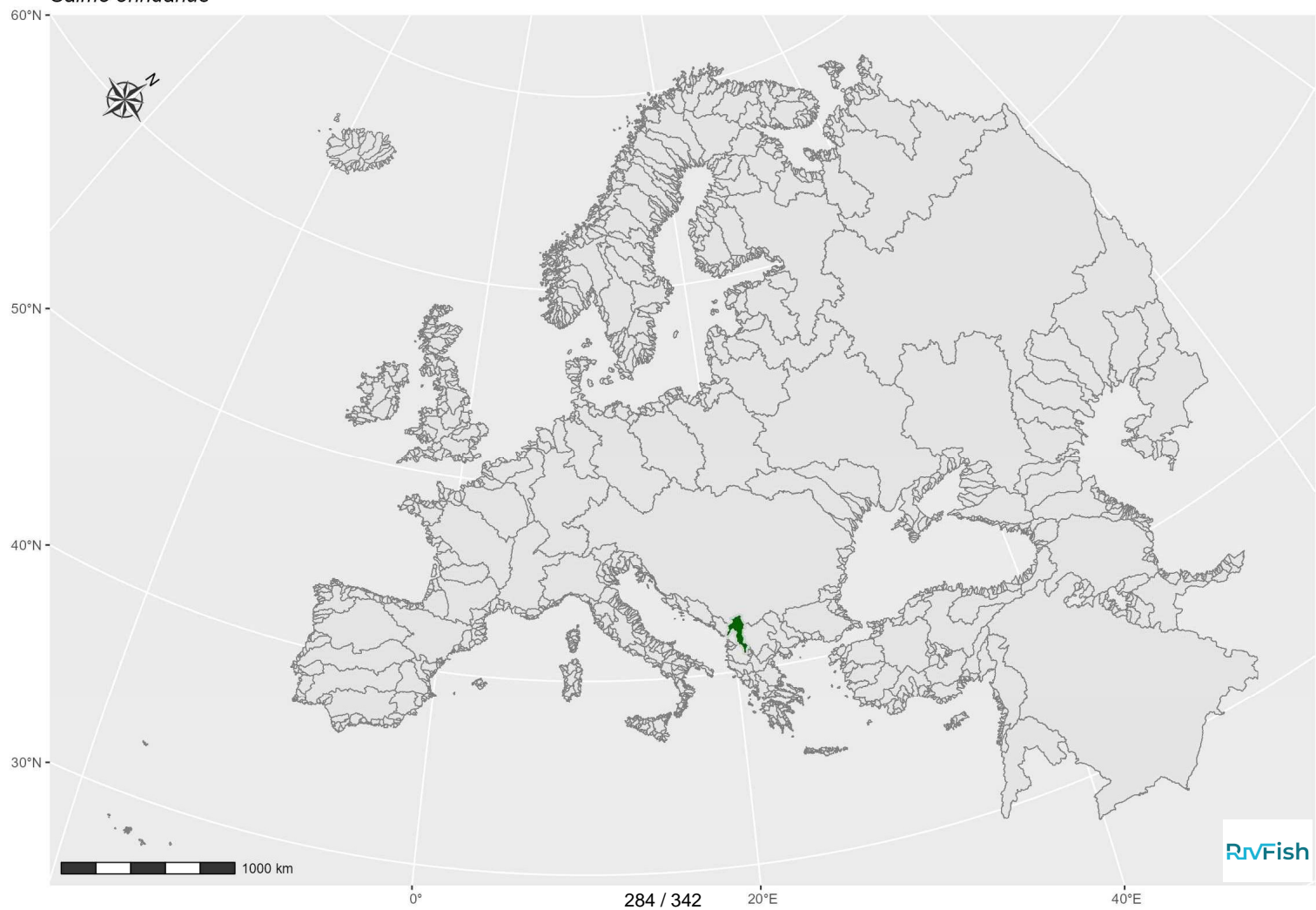
Salmo nigripinnis



Salmo obtusirostris



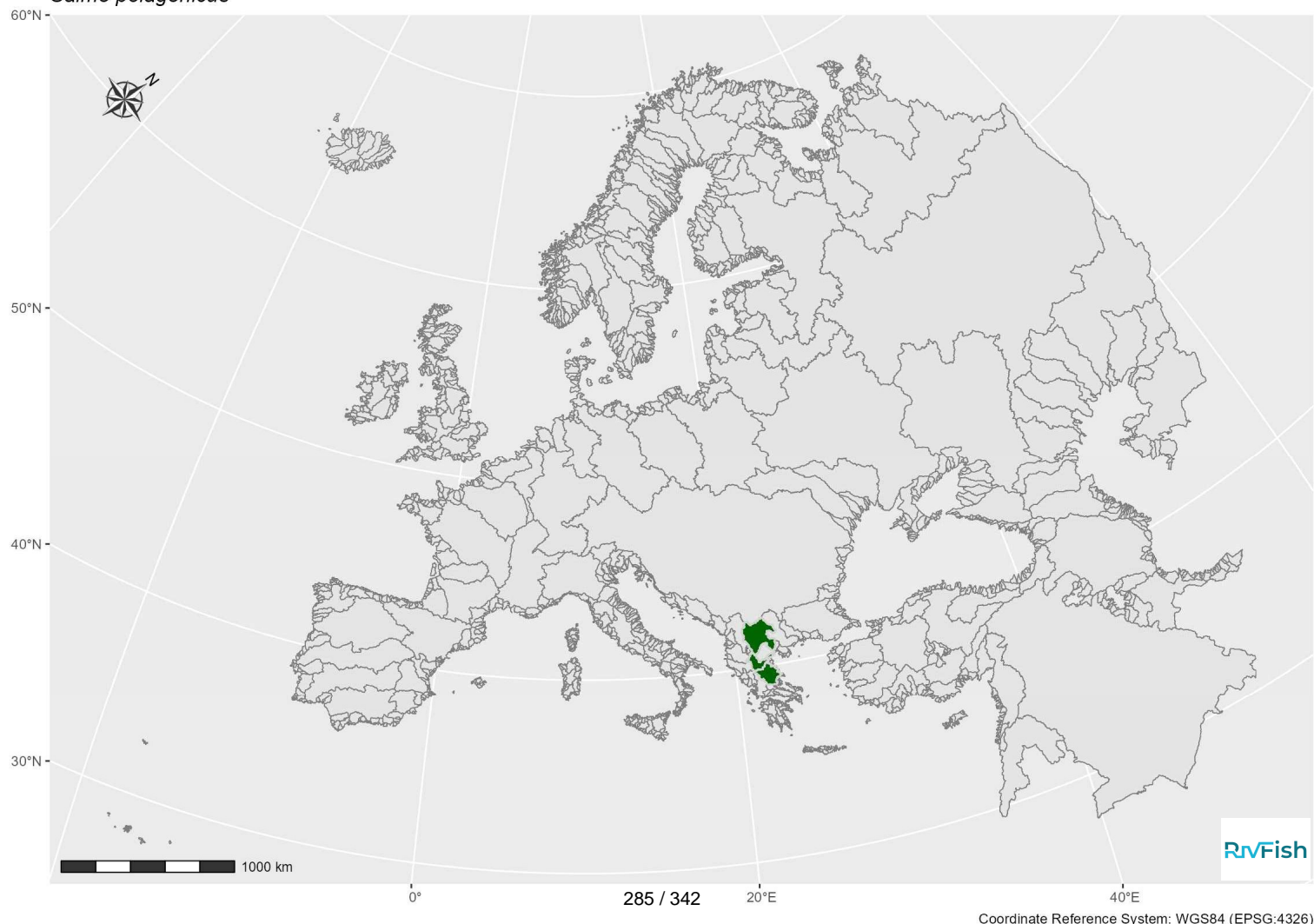
Salmo ohridanus



Salmo opimus



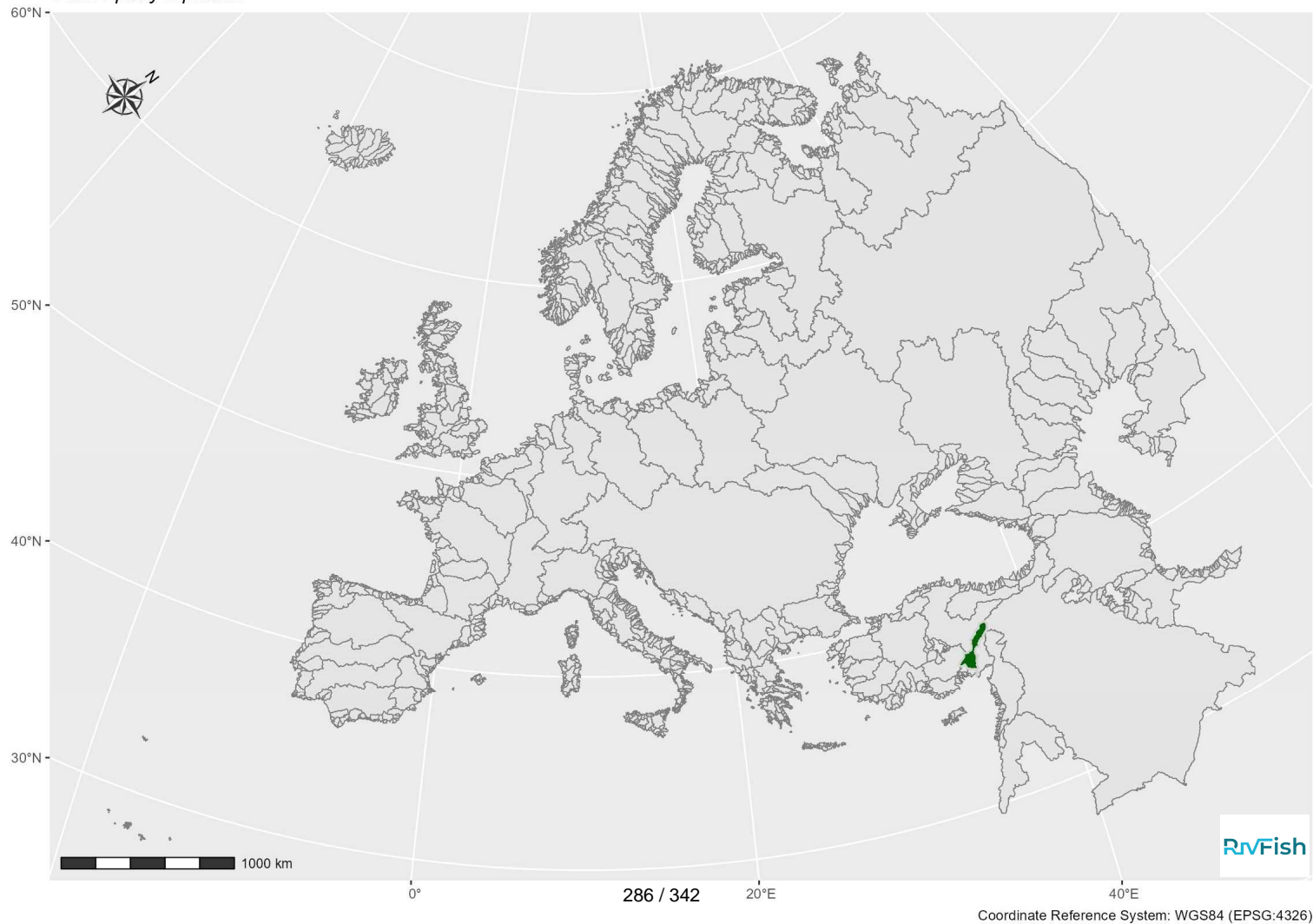
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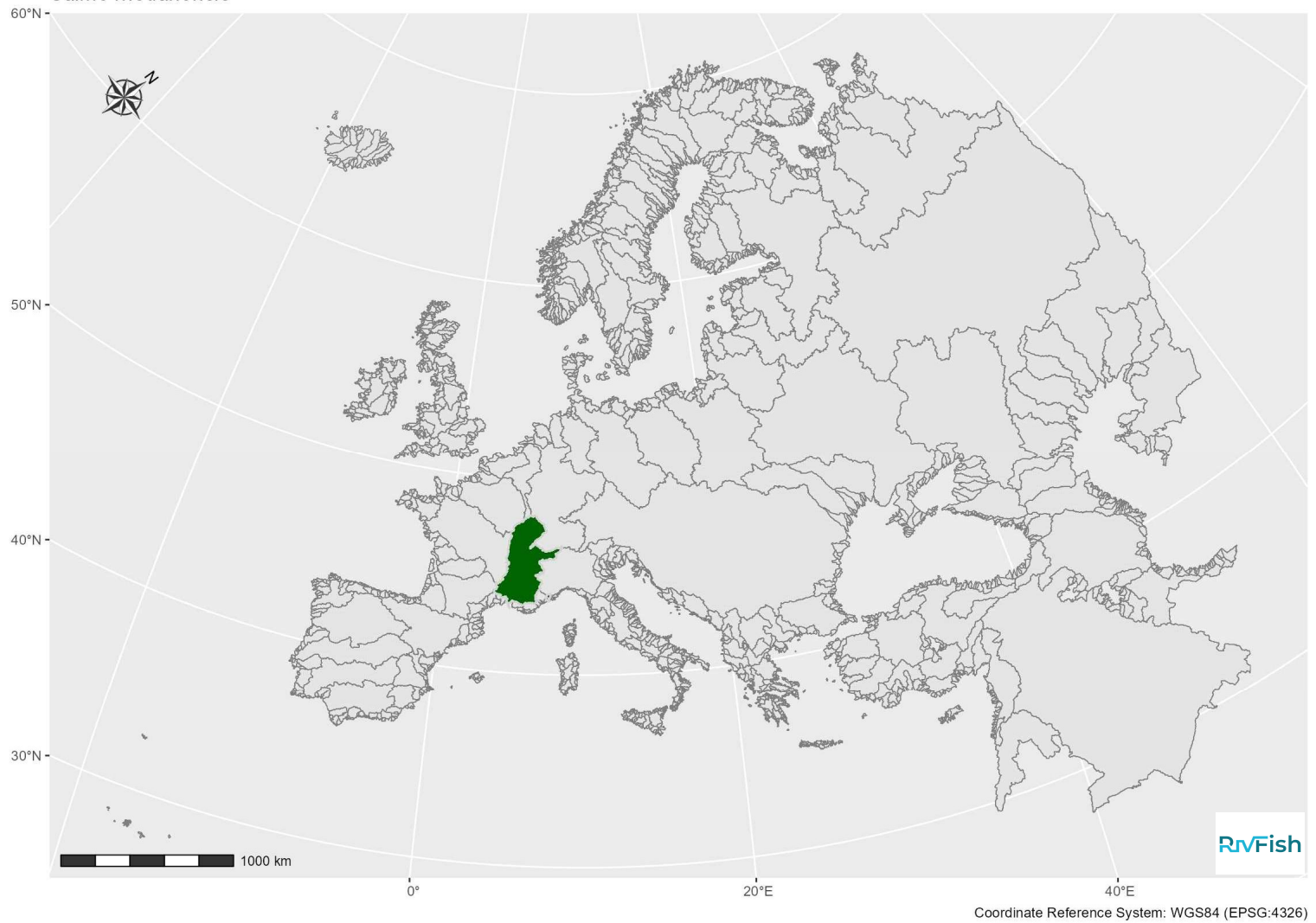
Salmo peristericus



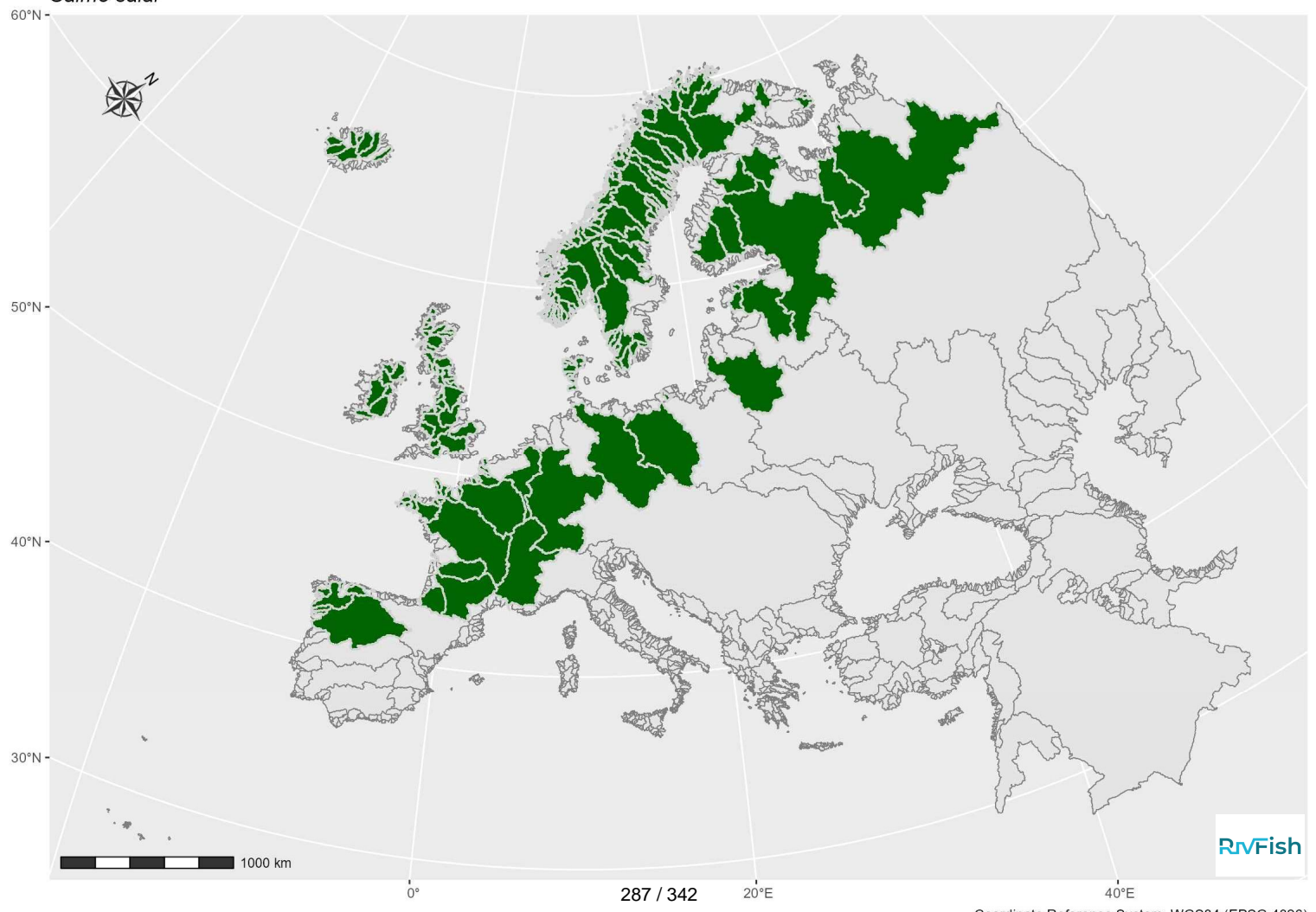
Salmo platycephalus



Salmo rhodanensis



Salmo salar



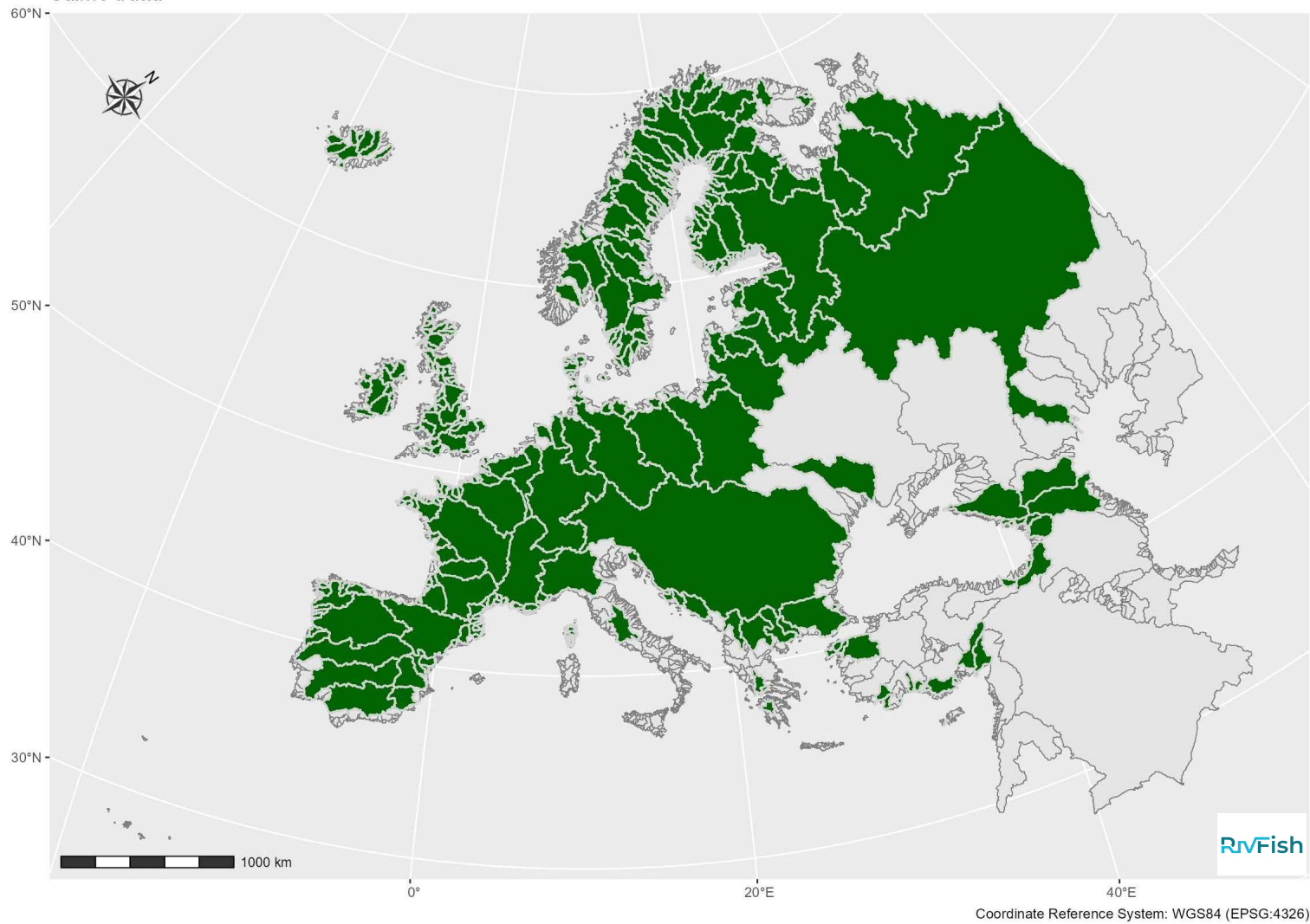
Salmo stomachicus



Salmo talaris



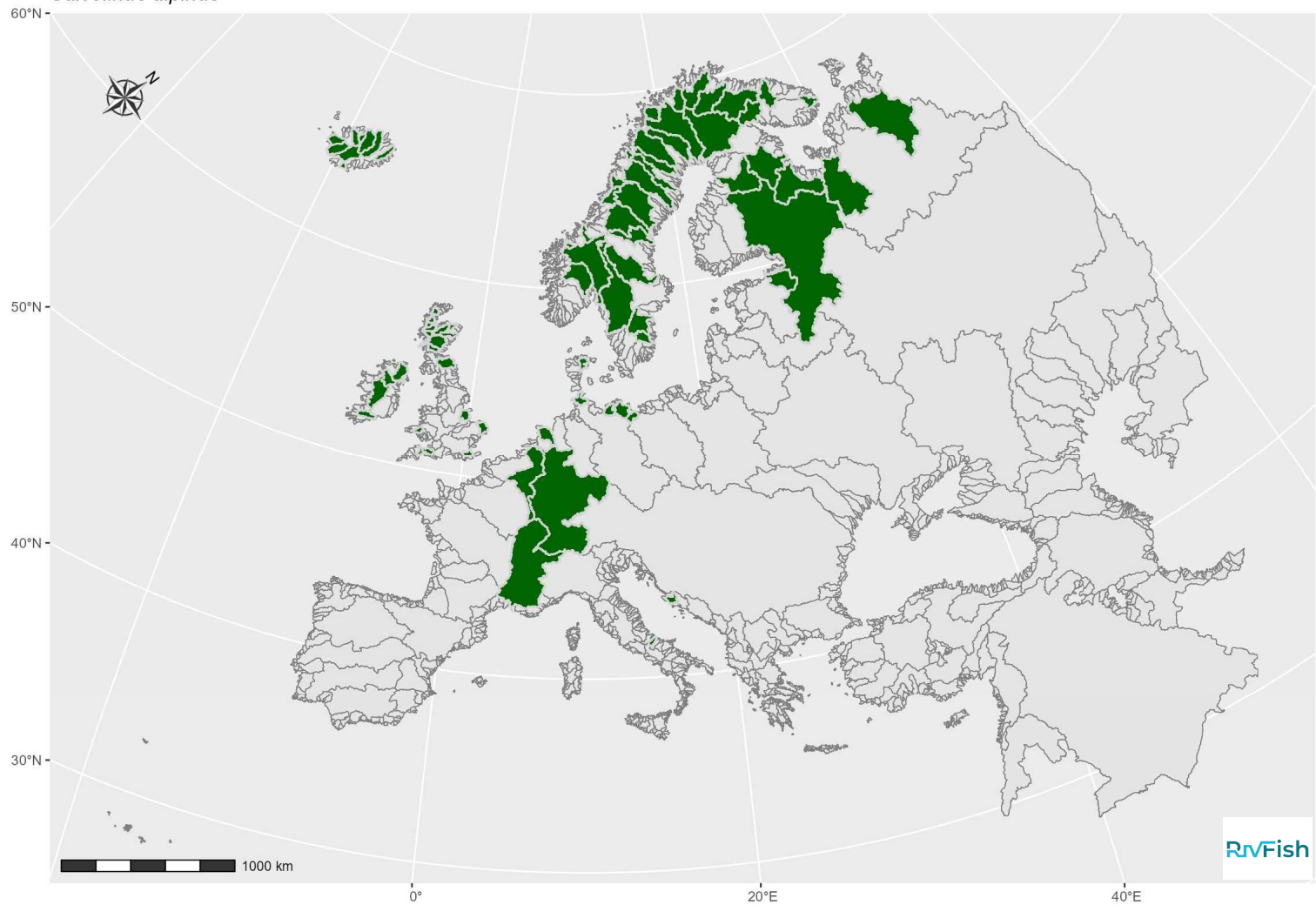
Salmo trutta



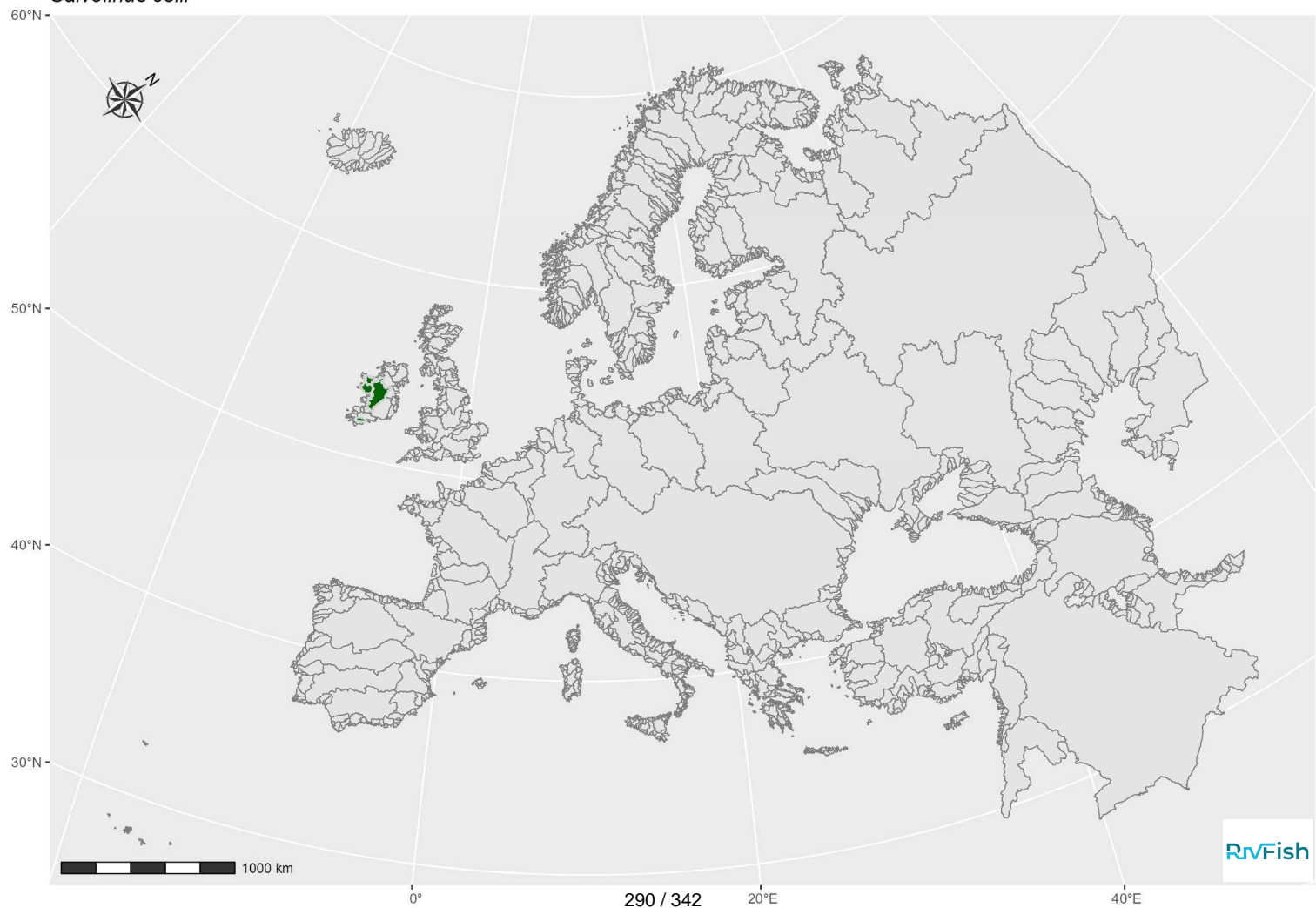
Salmo visovacensis



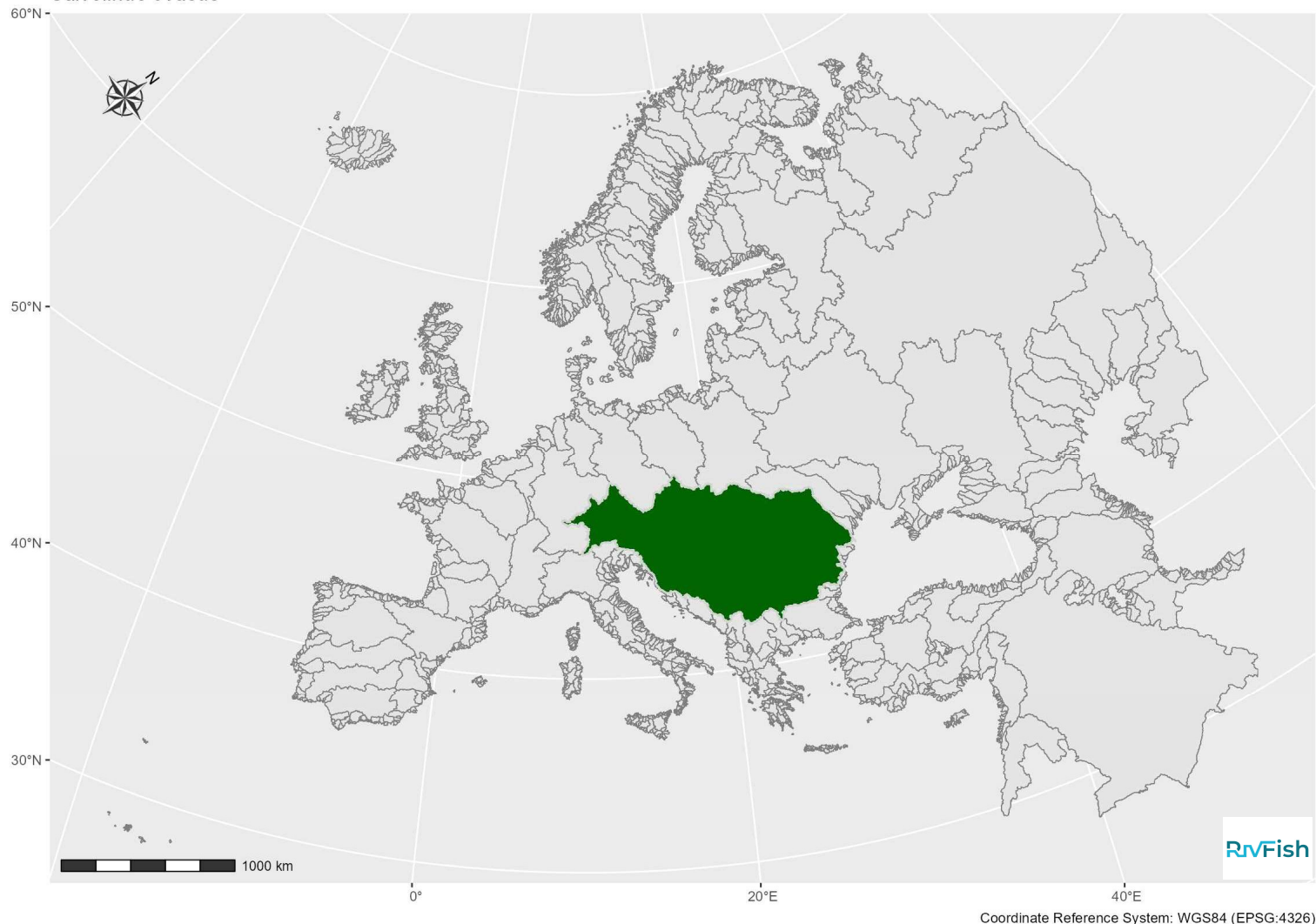
Salvelinus alpinus



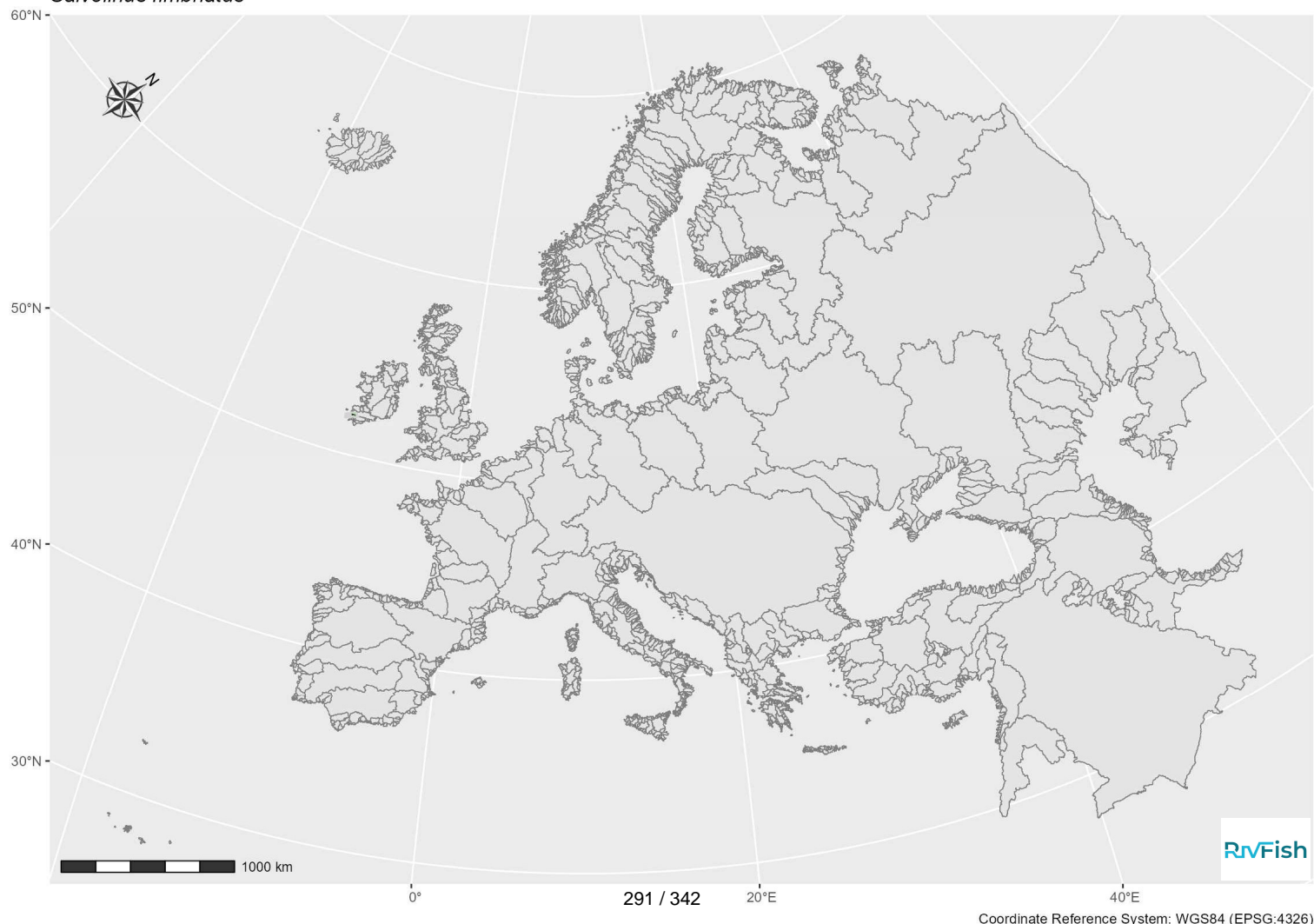
Salvelinus colii



Salvelinus evasus



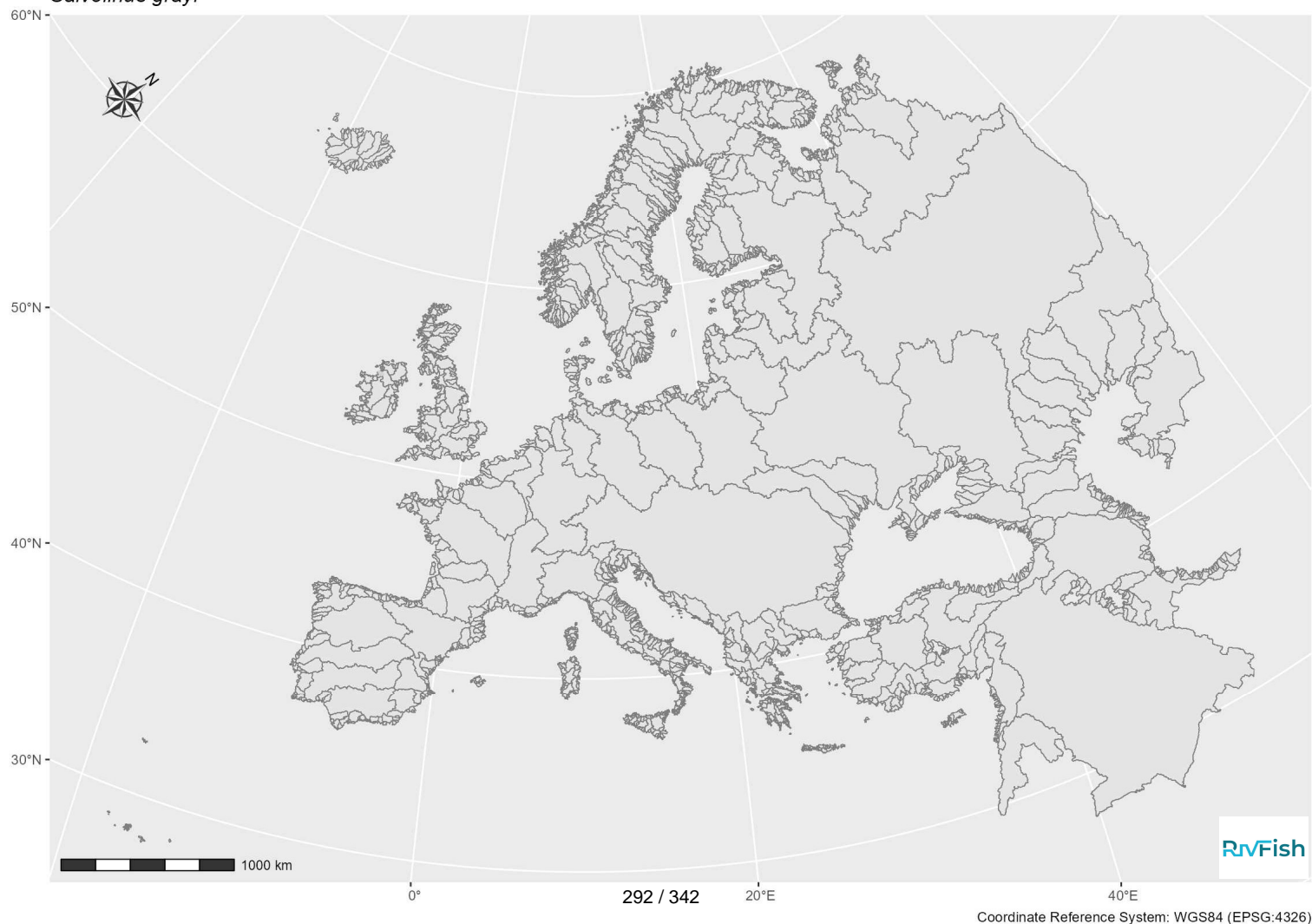
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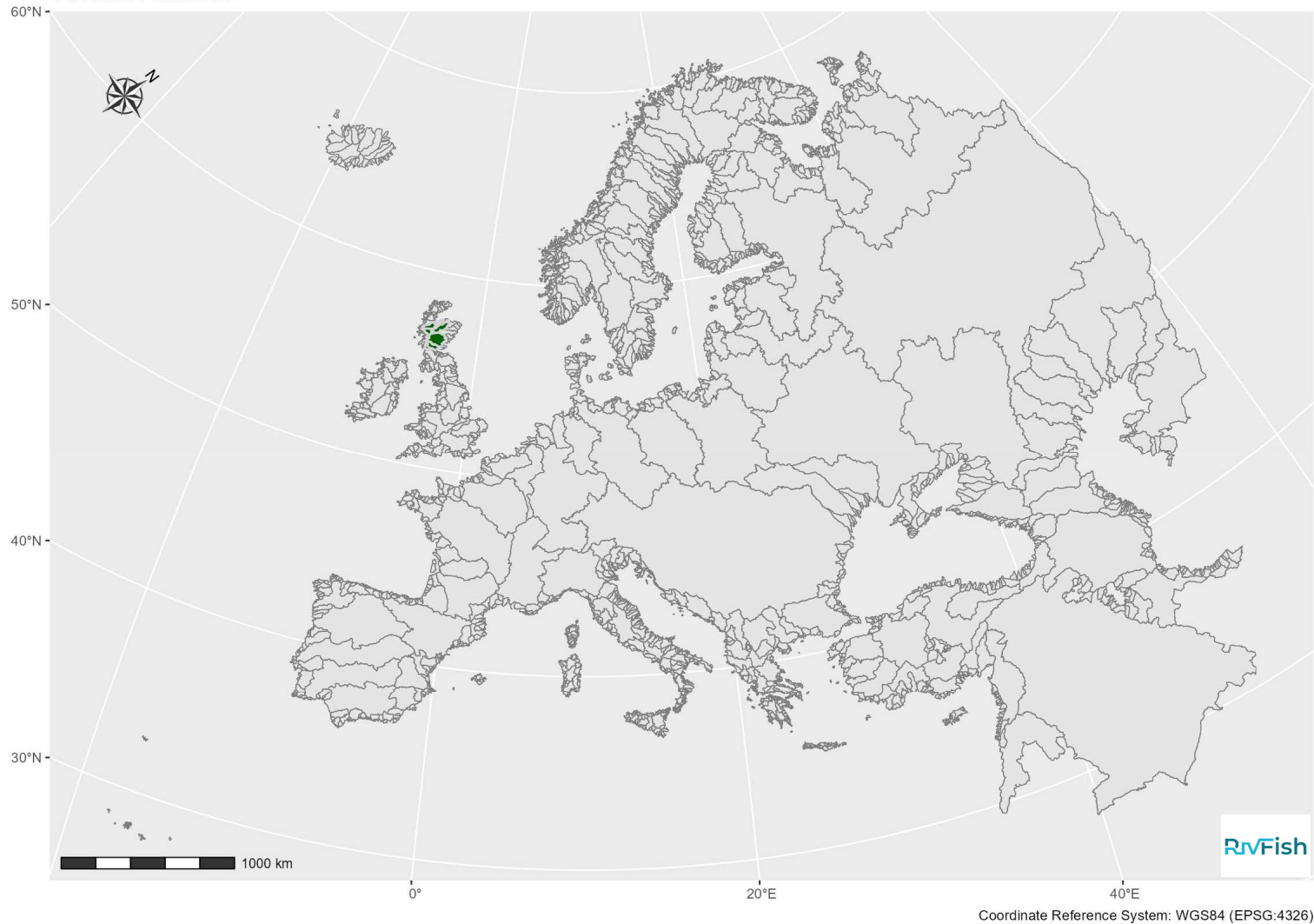
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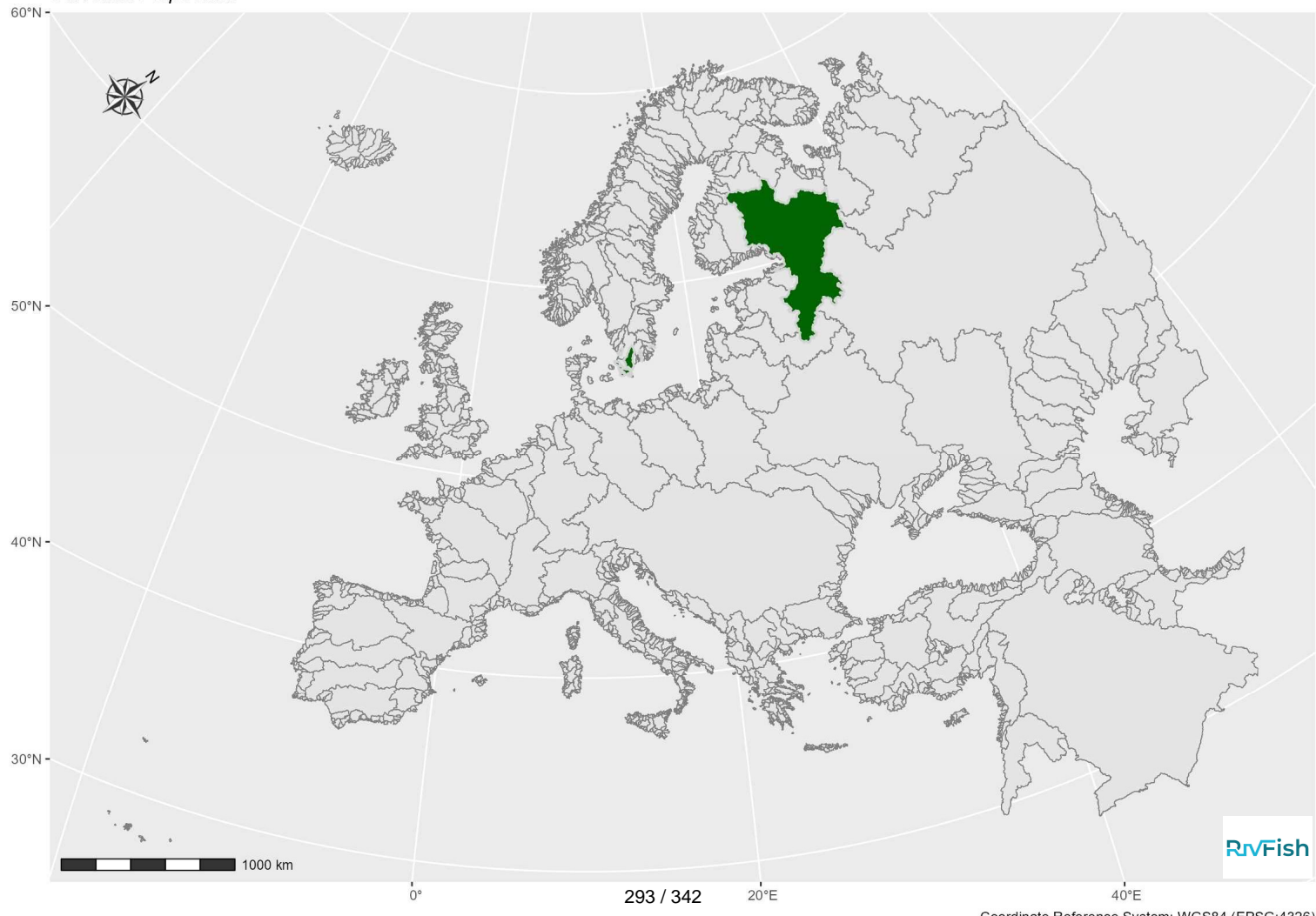
Salvelinus grayi



Salvelinus killinensis



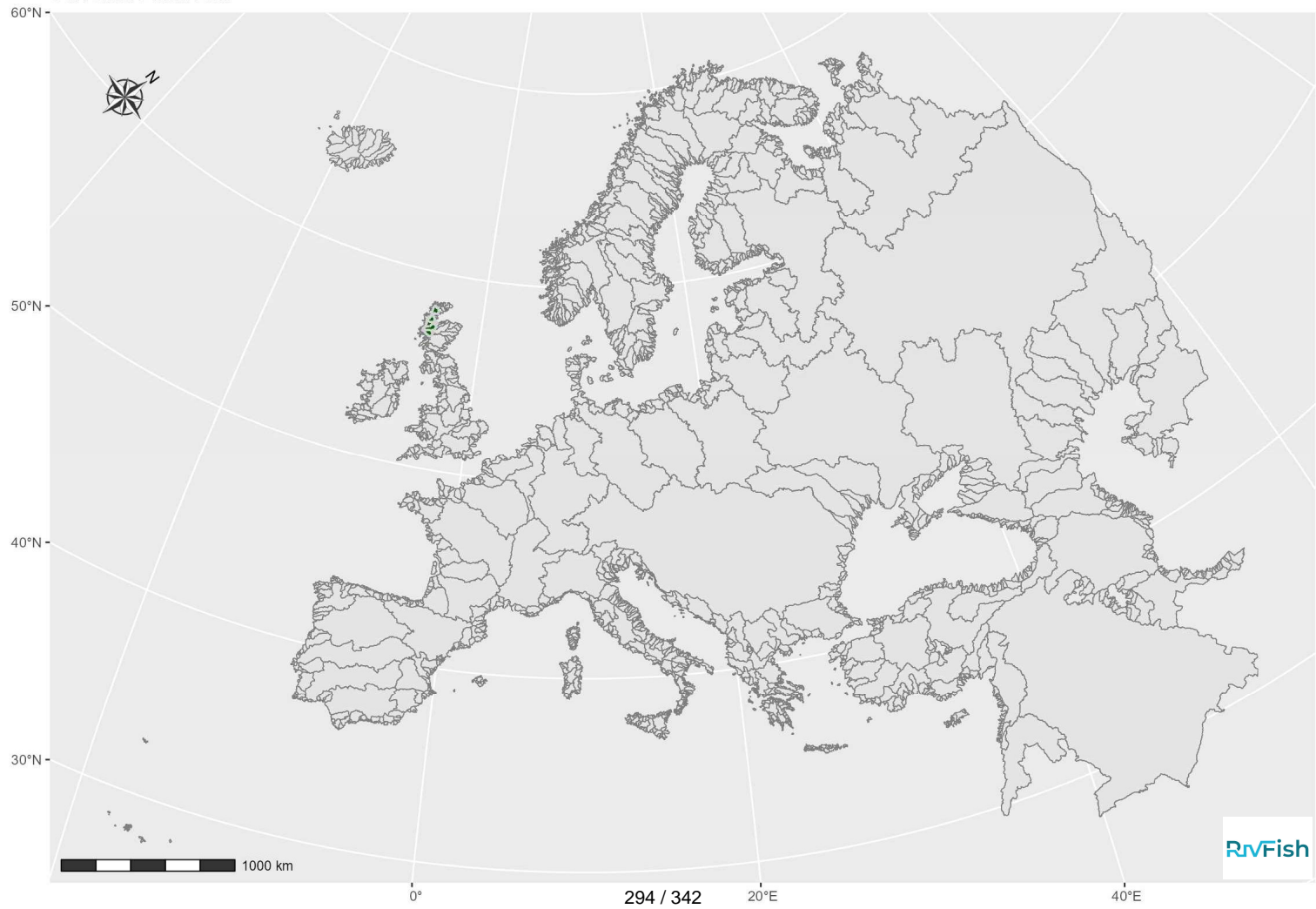
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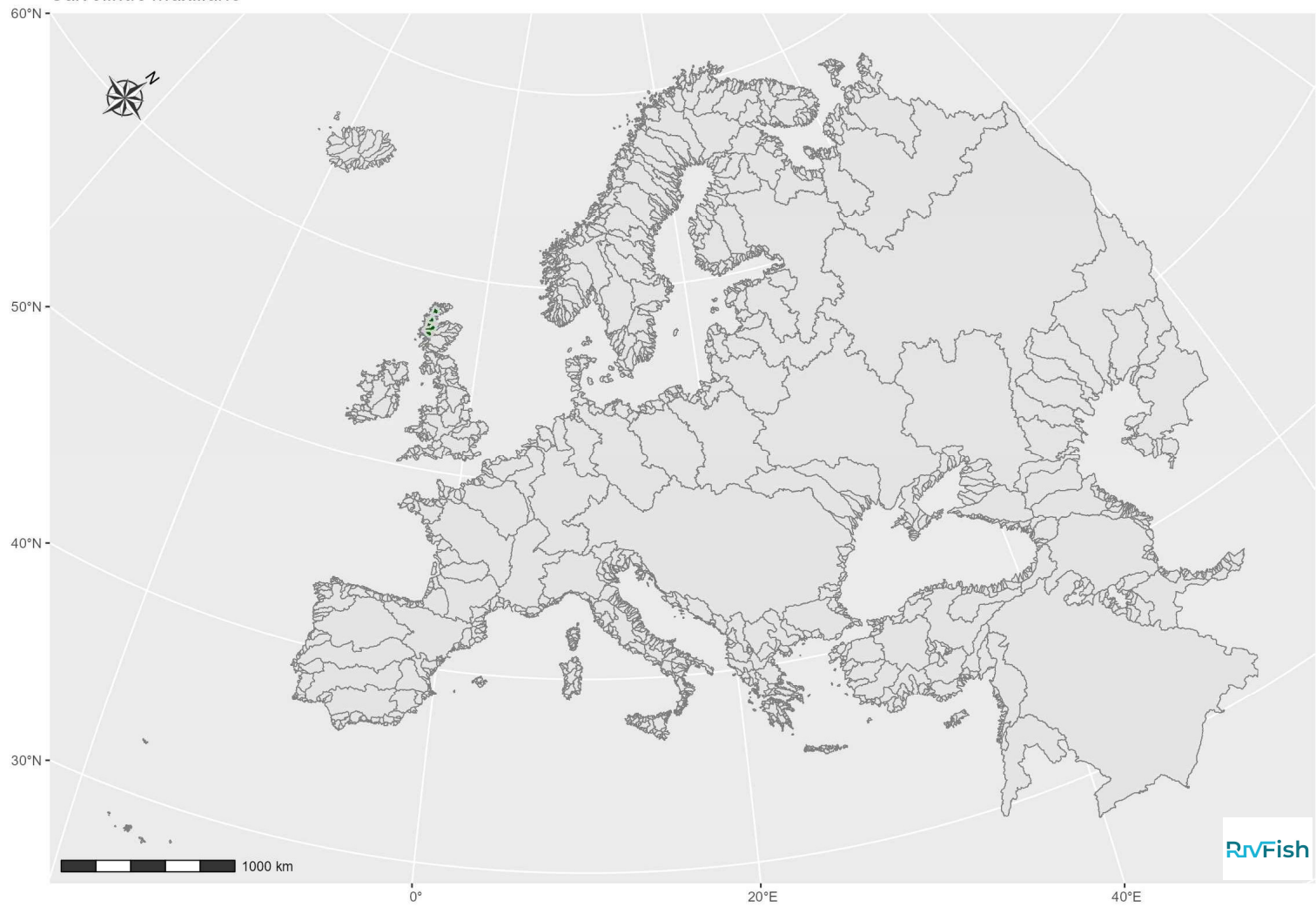
Salvelinus lonsdalii



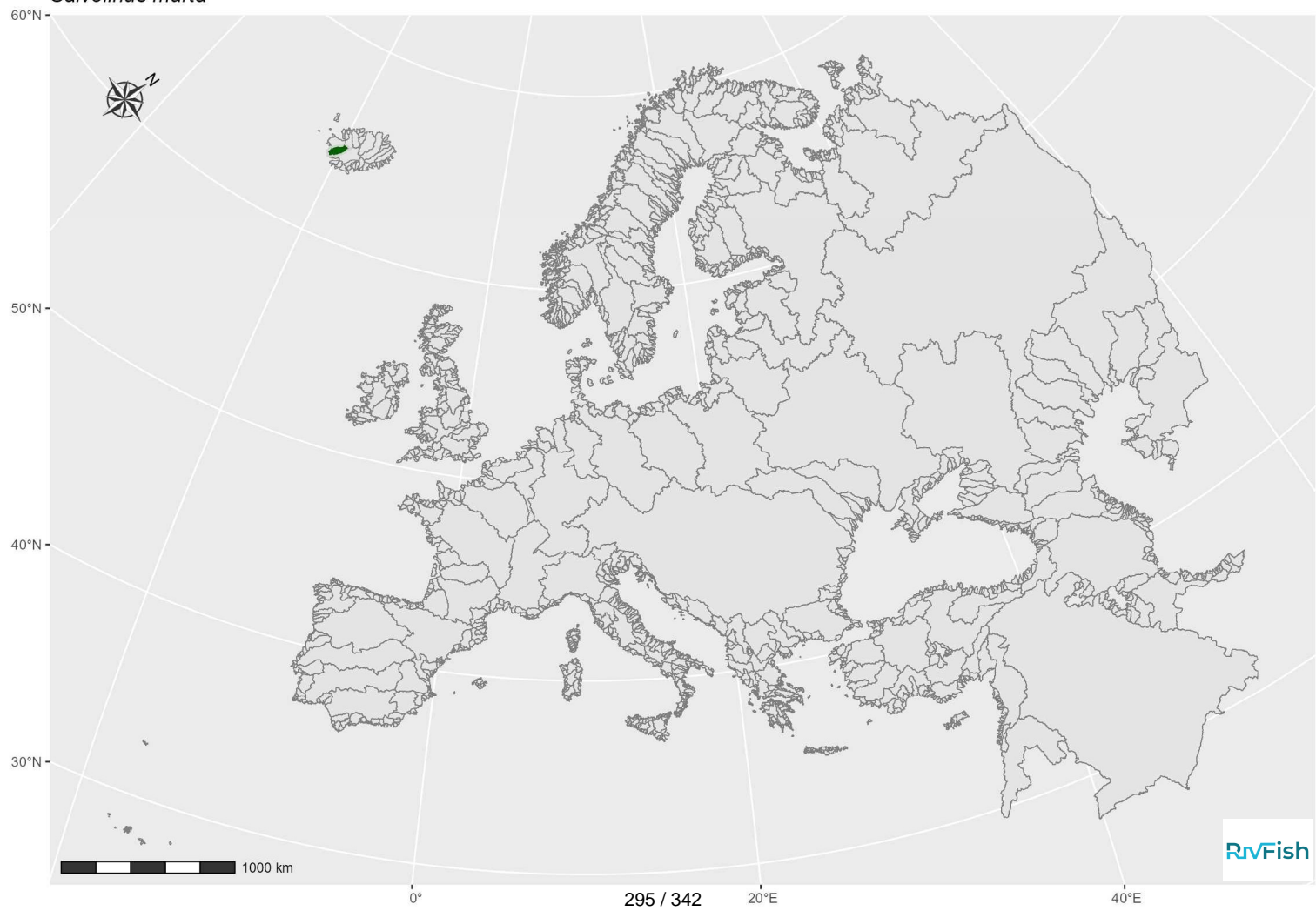
Salvelinus mallochii



Salvelinus maxillaris



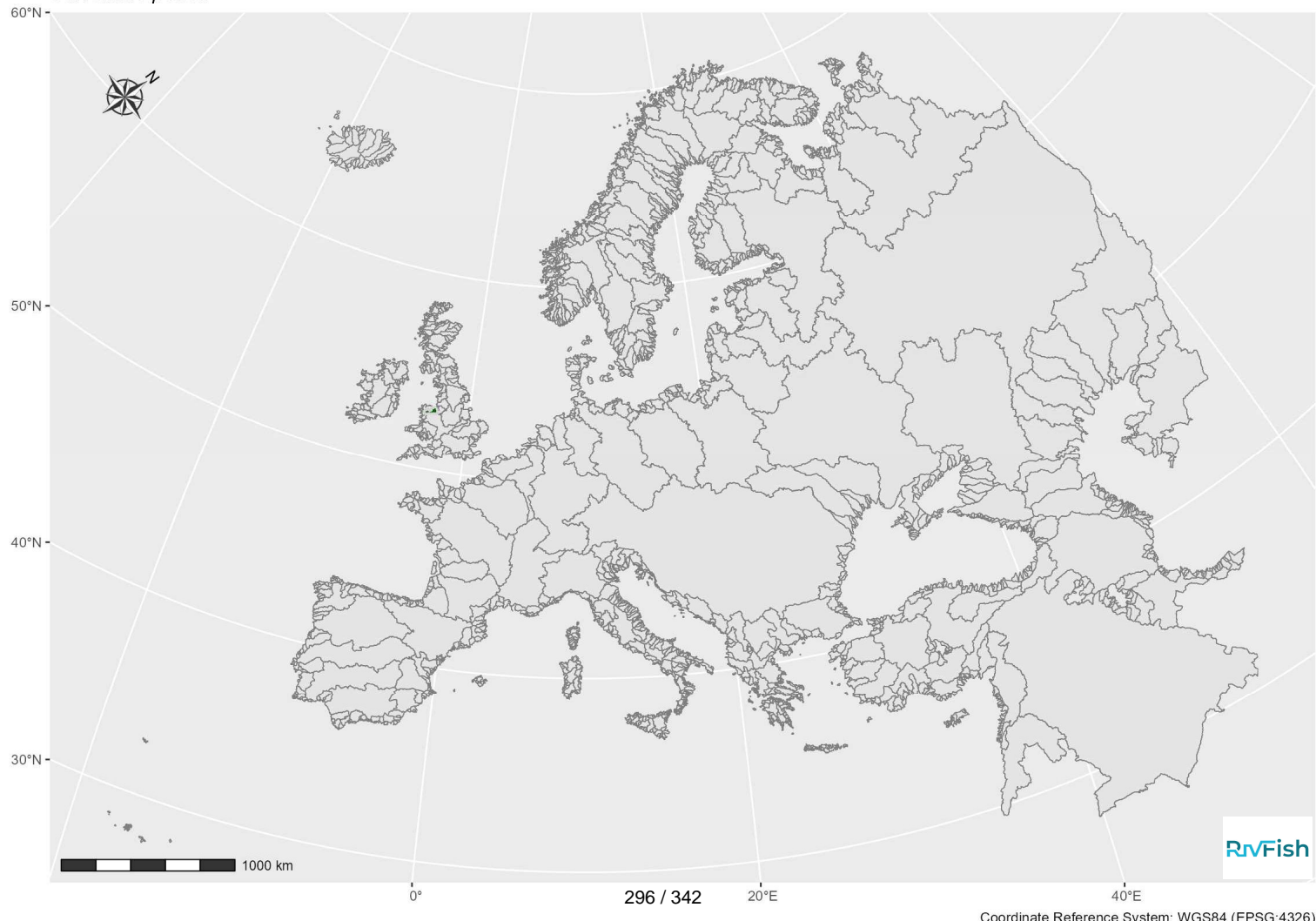
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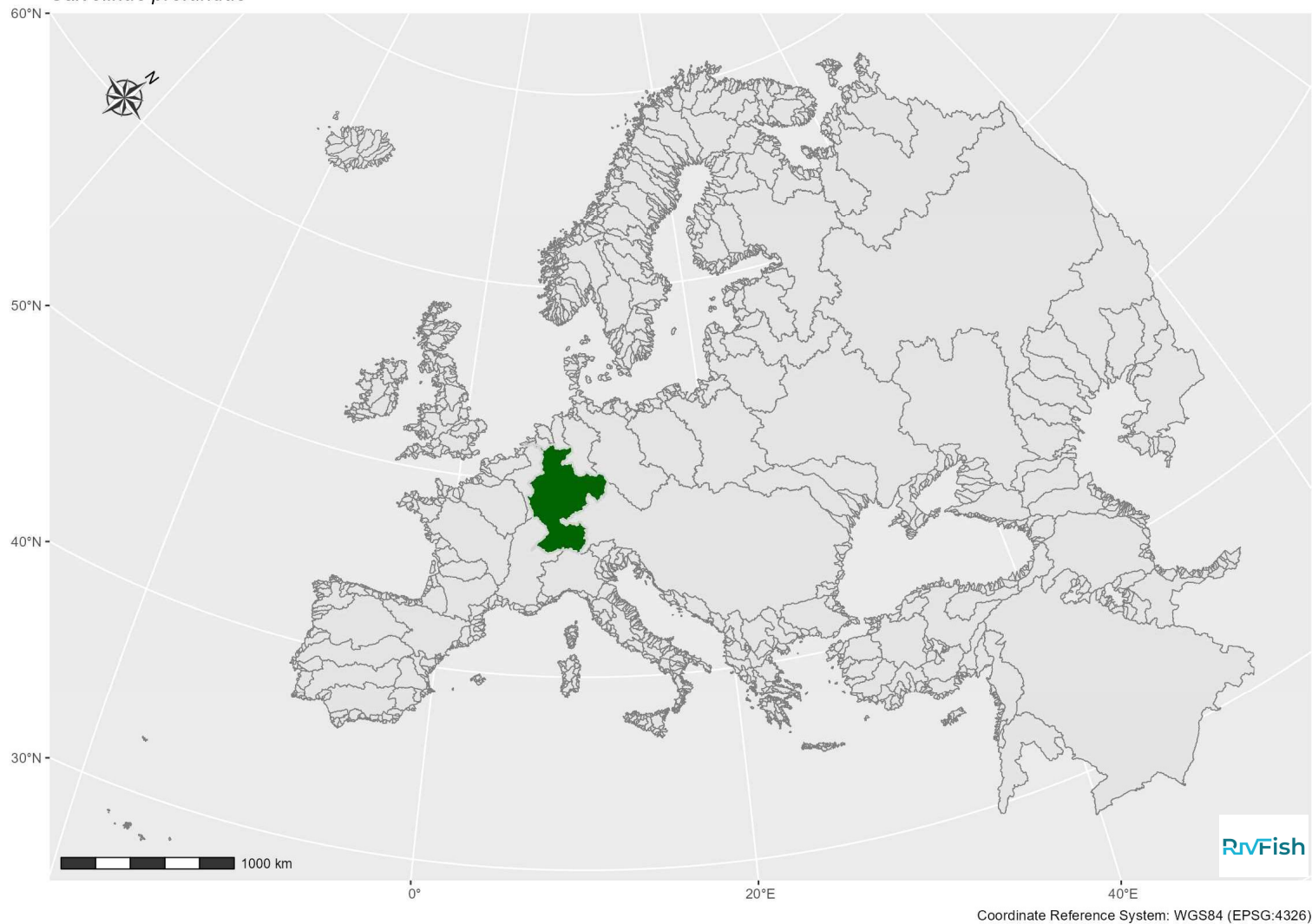
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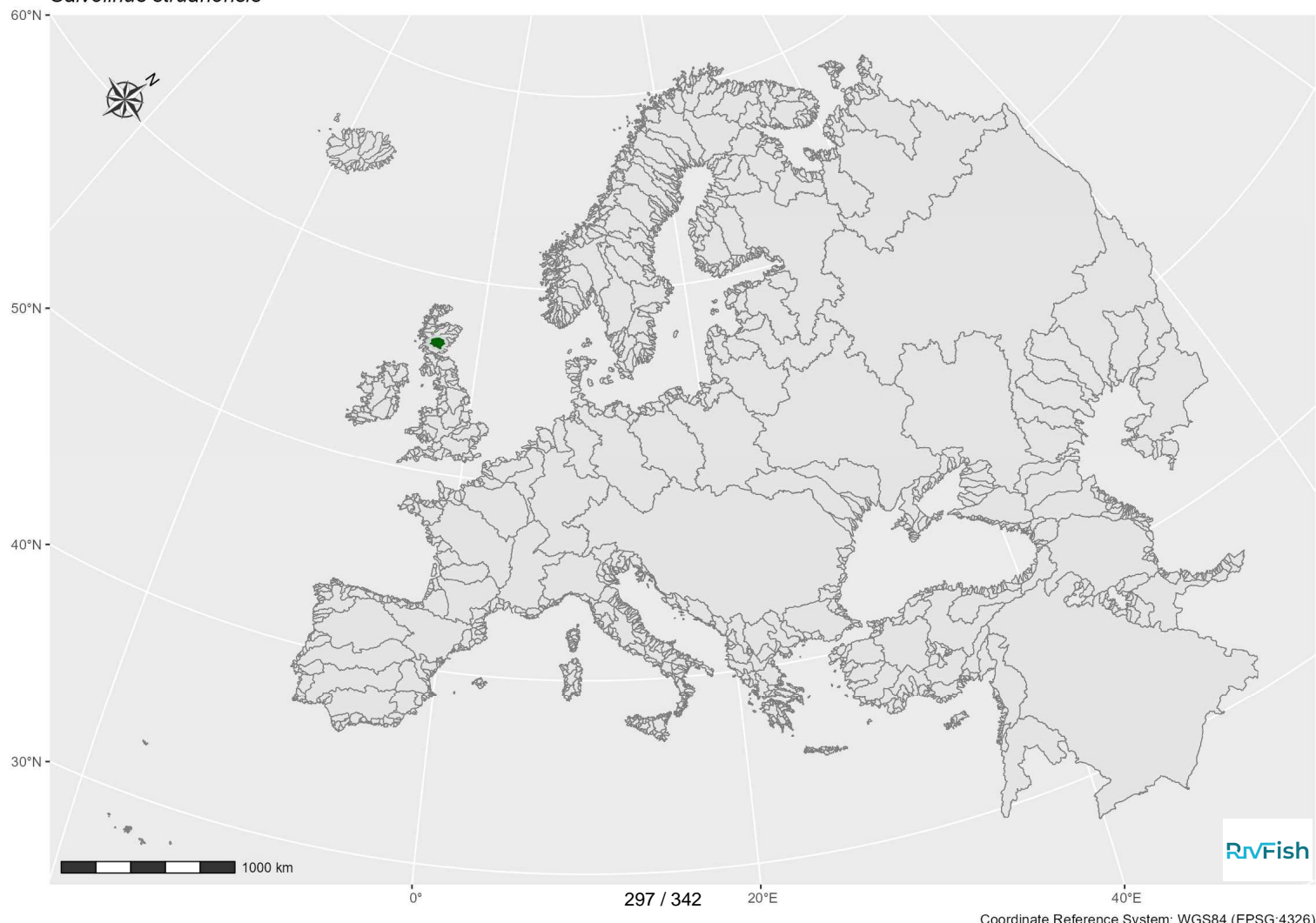
Salvelinus perisii



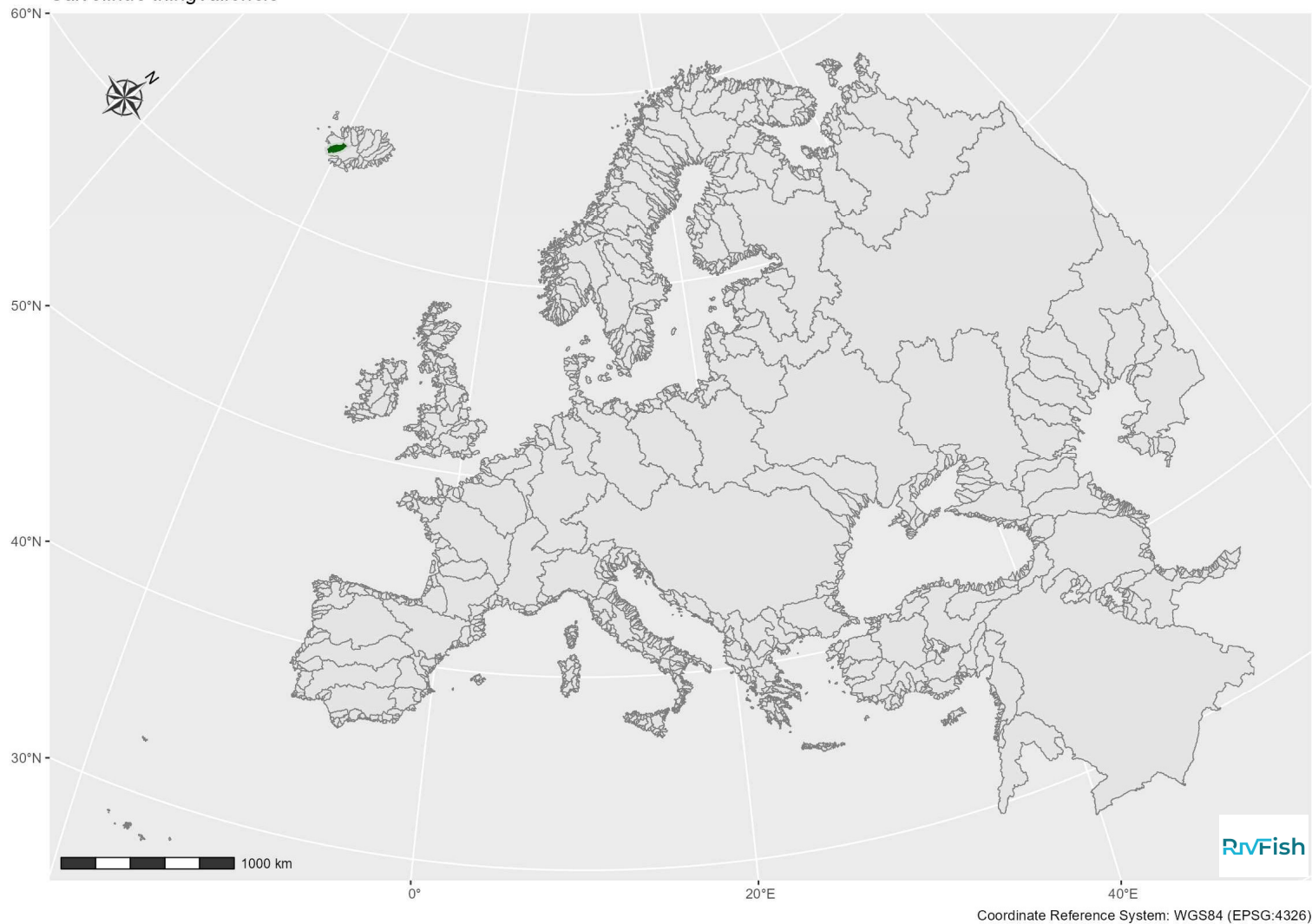
Salvelinus profundus



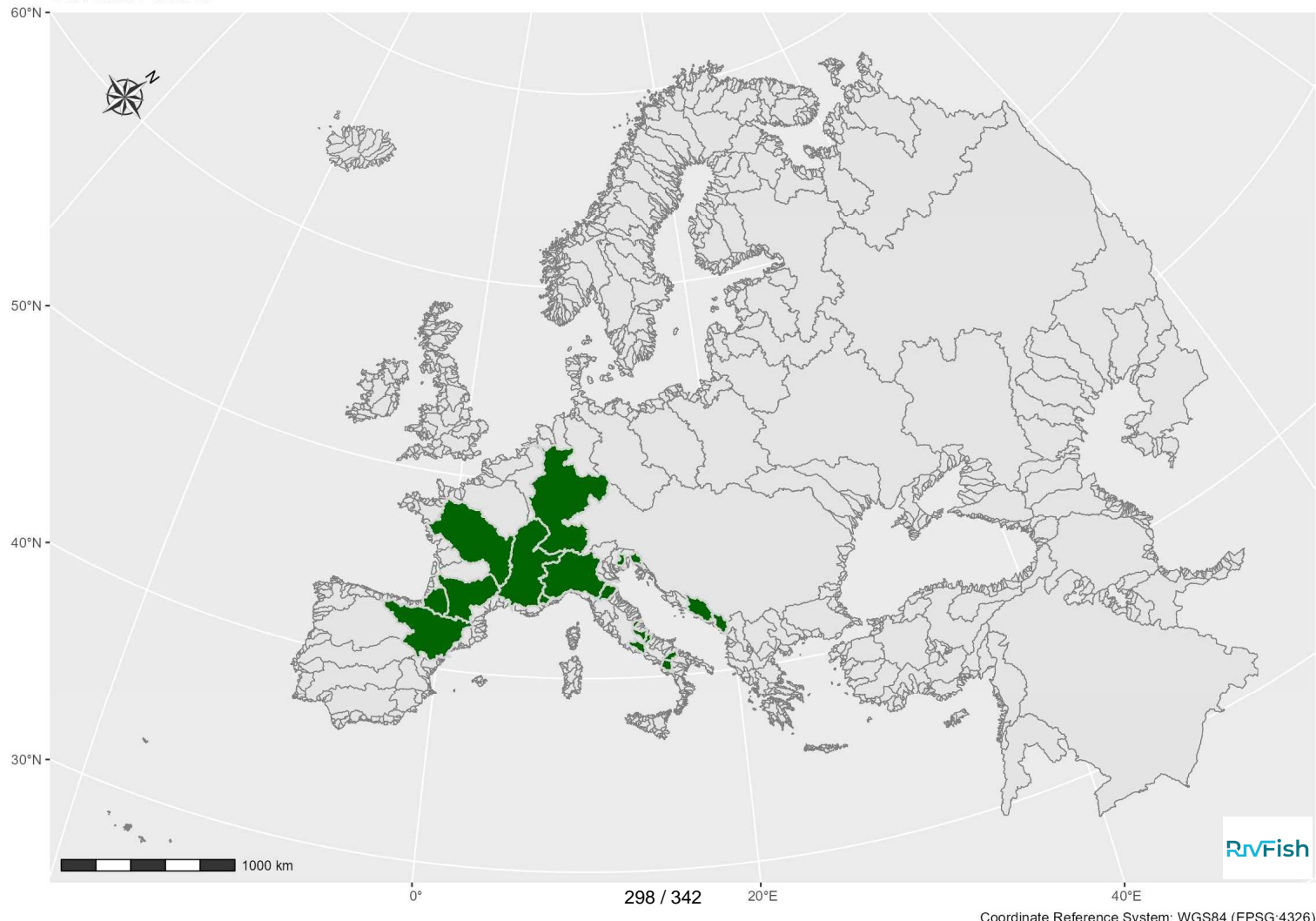
Salvelinus struanensis



Salvelinus thingvallensis



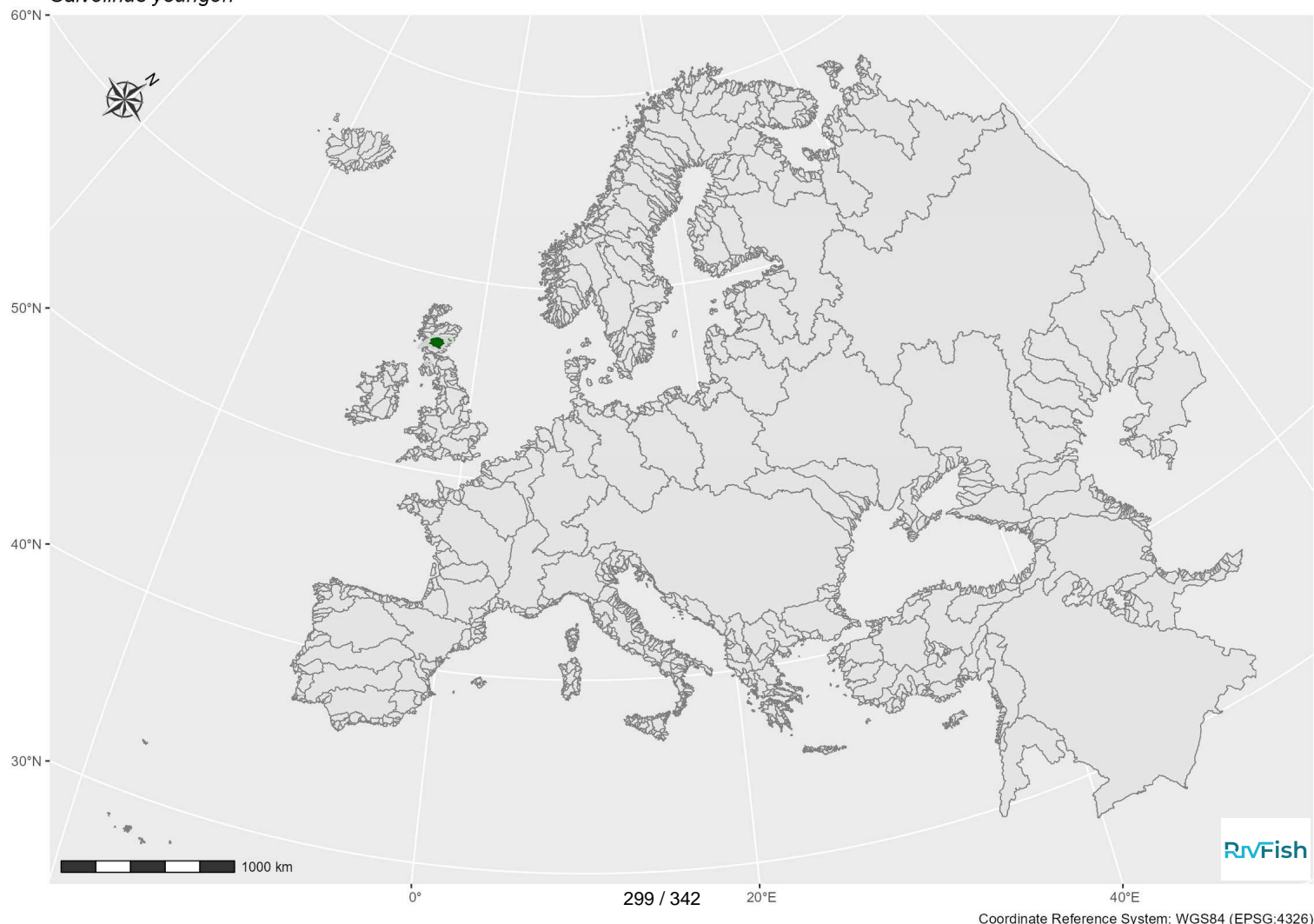
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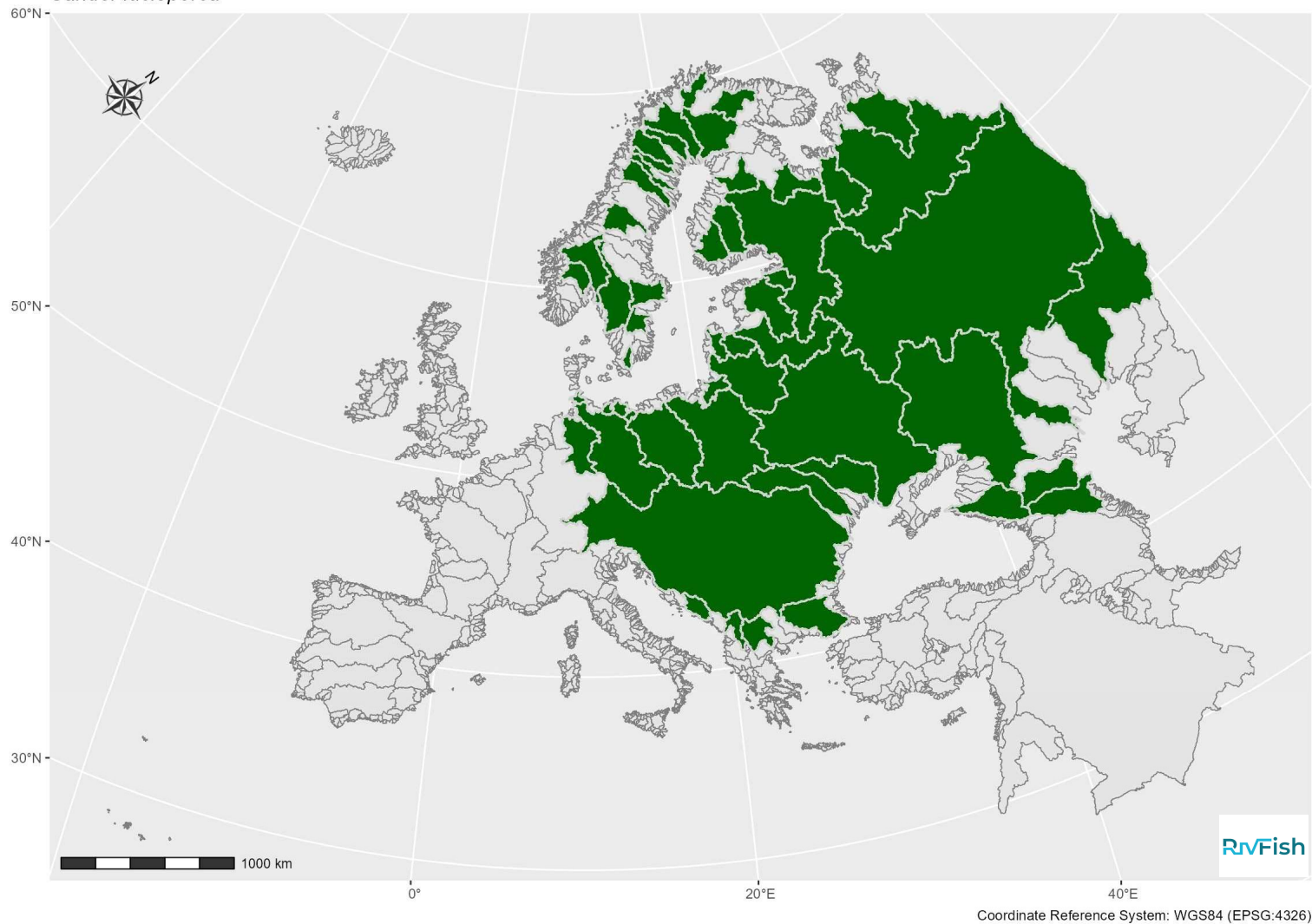
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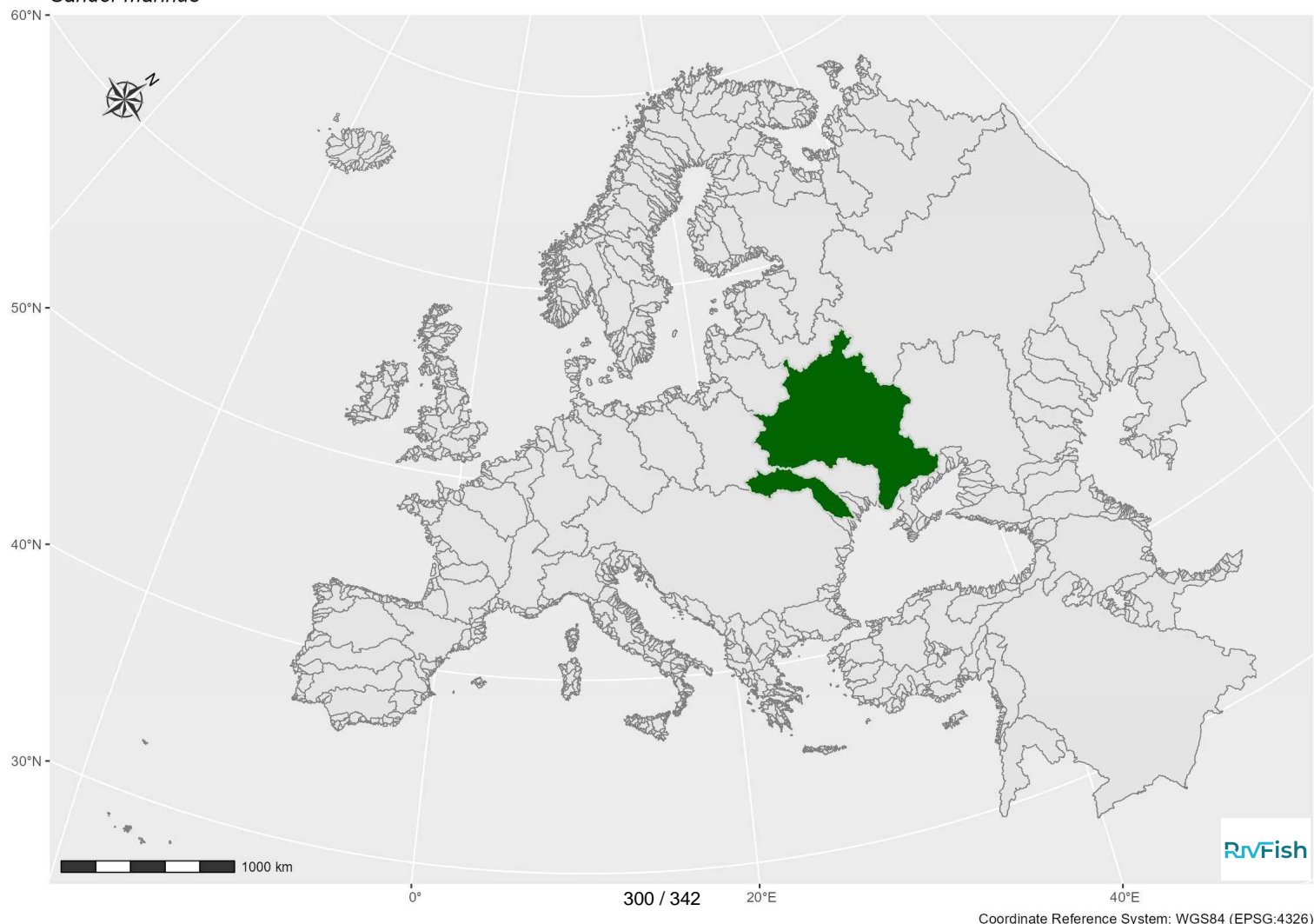
Salvelinus youngeri



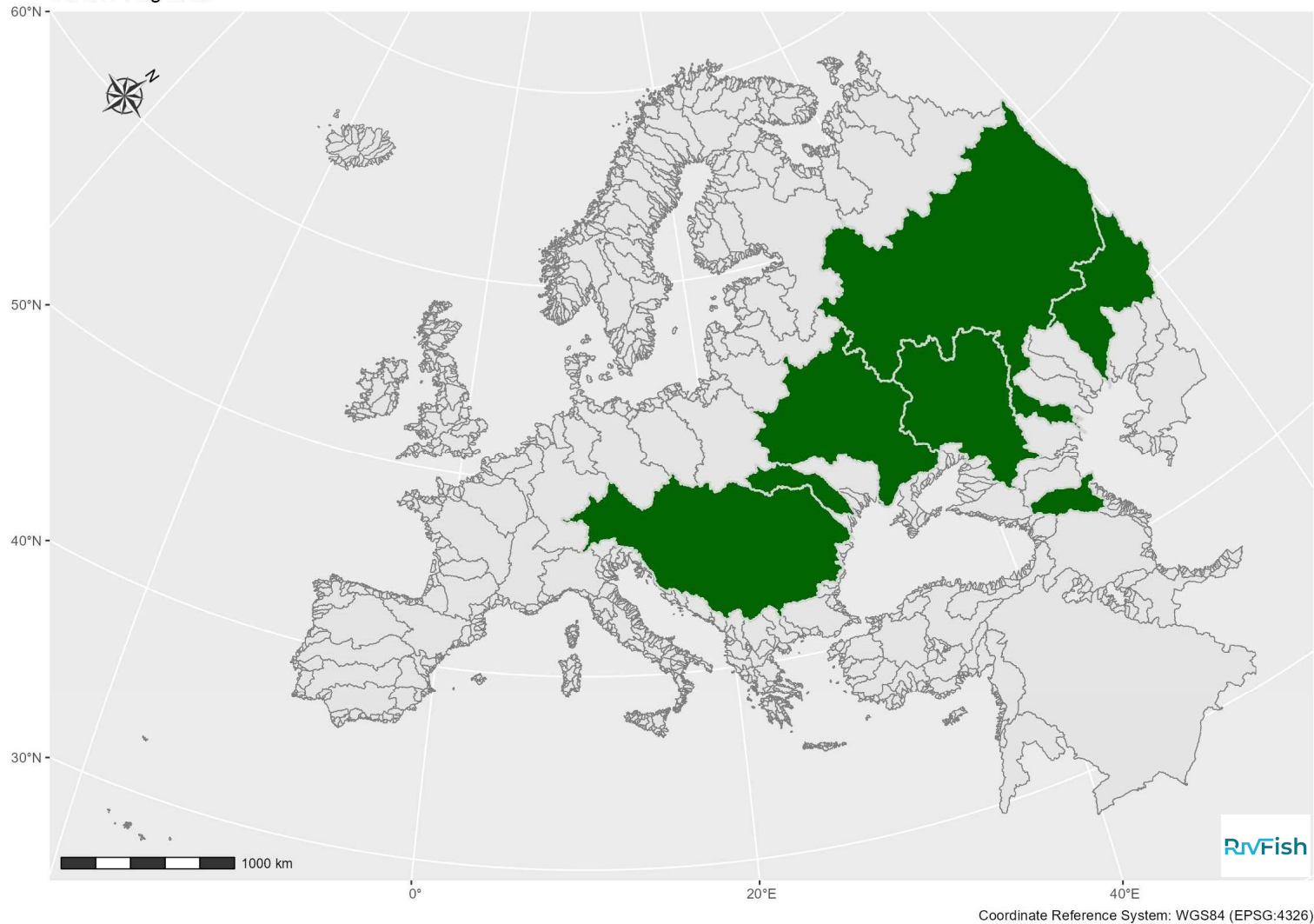
Sander lucioperca



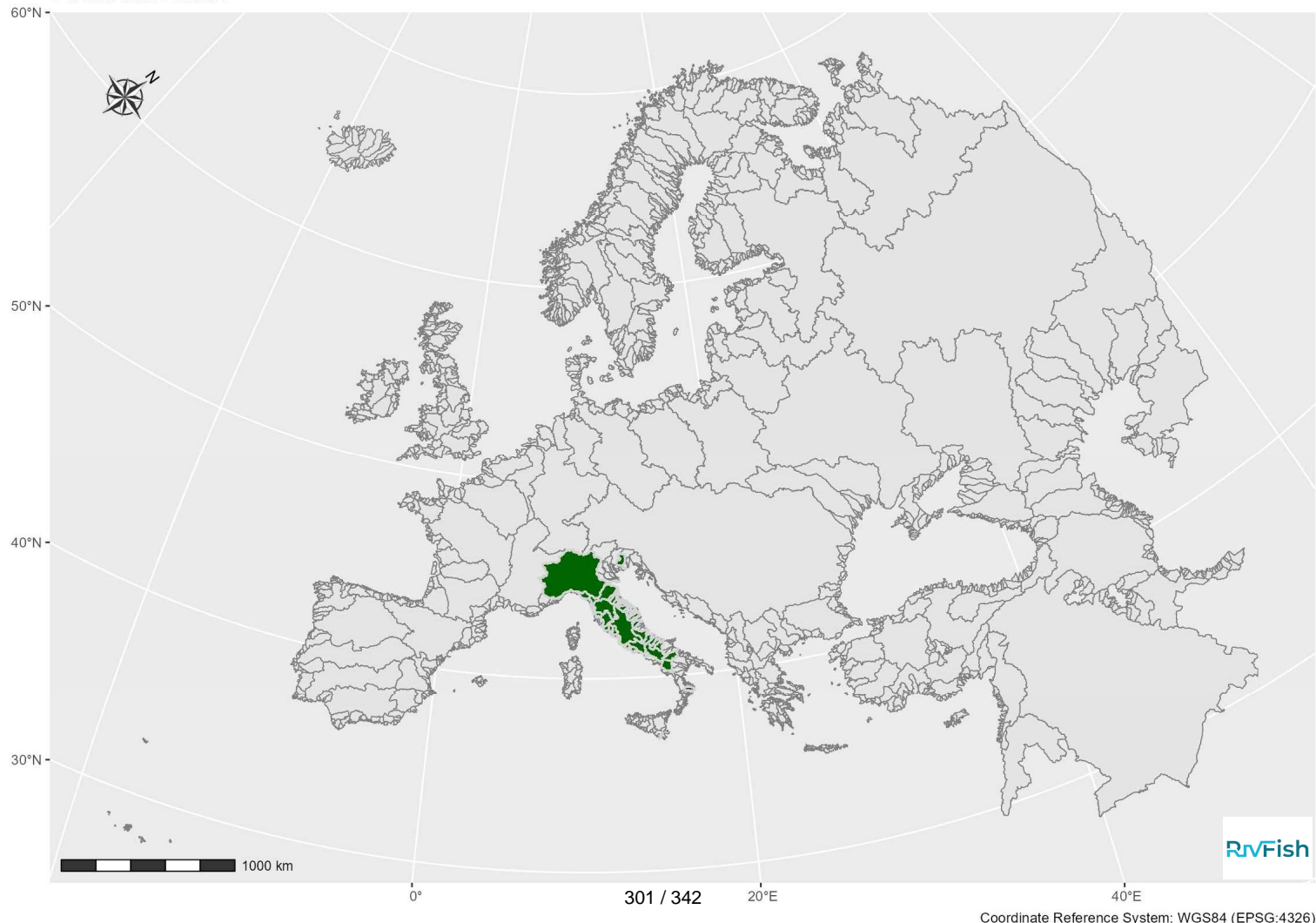
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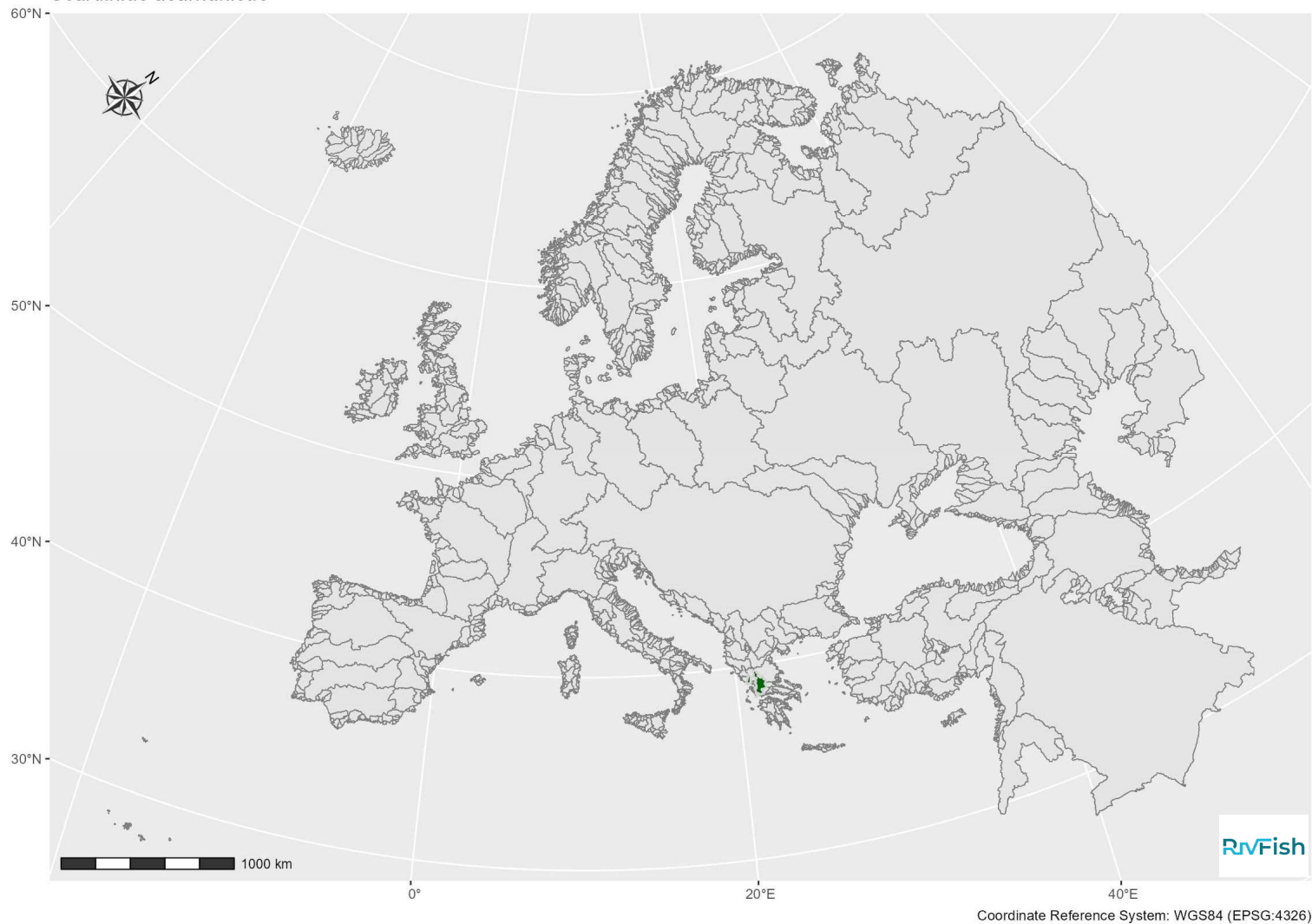
Sander volgensis



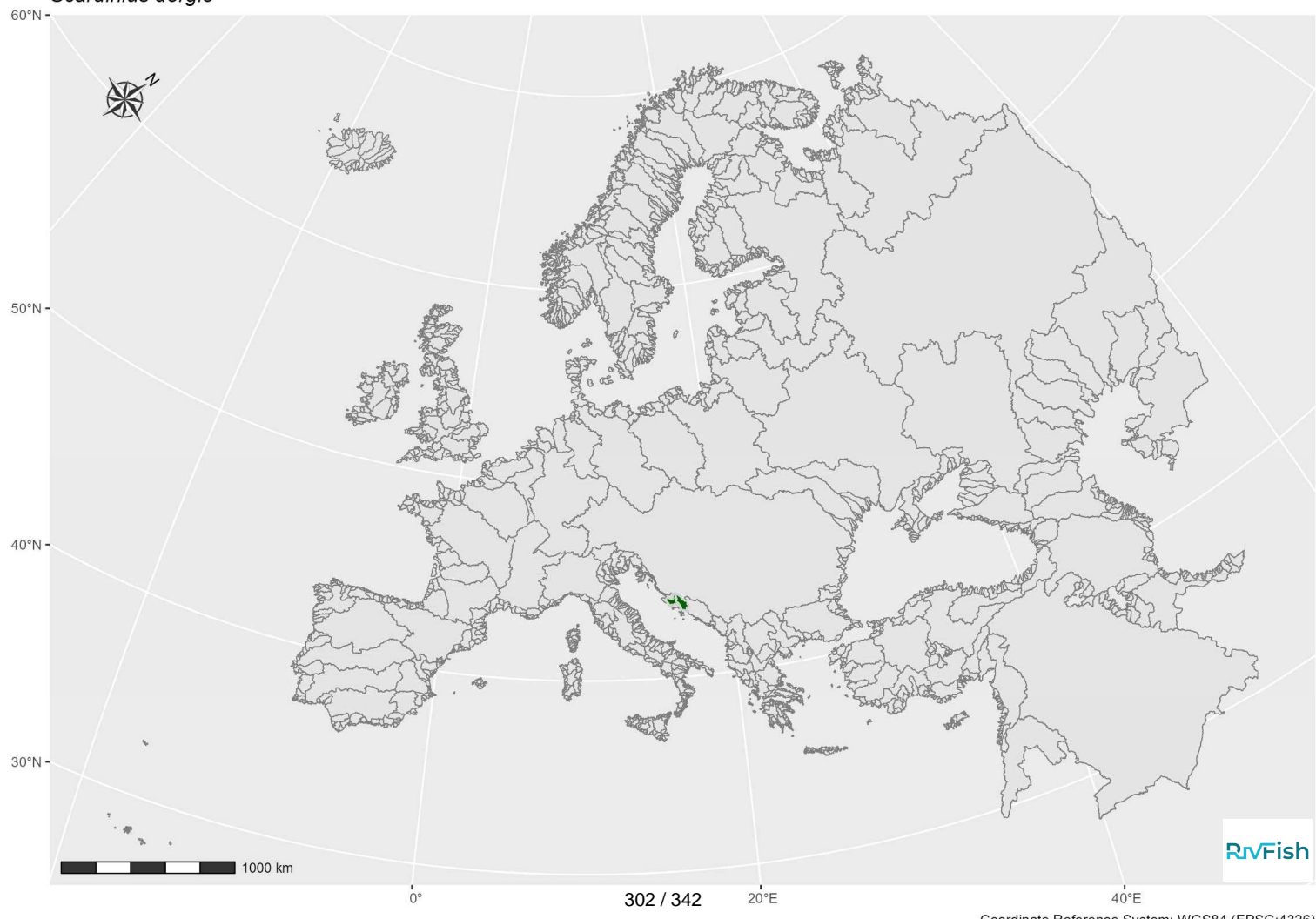
Samarutilus rubilio



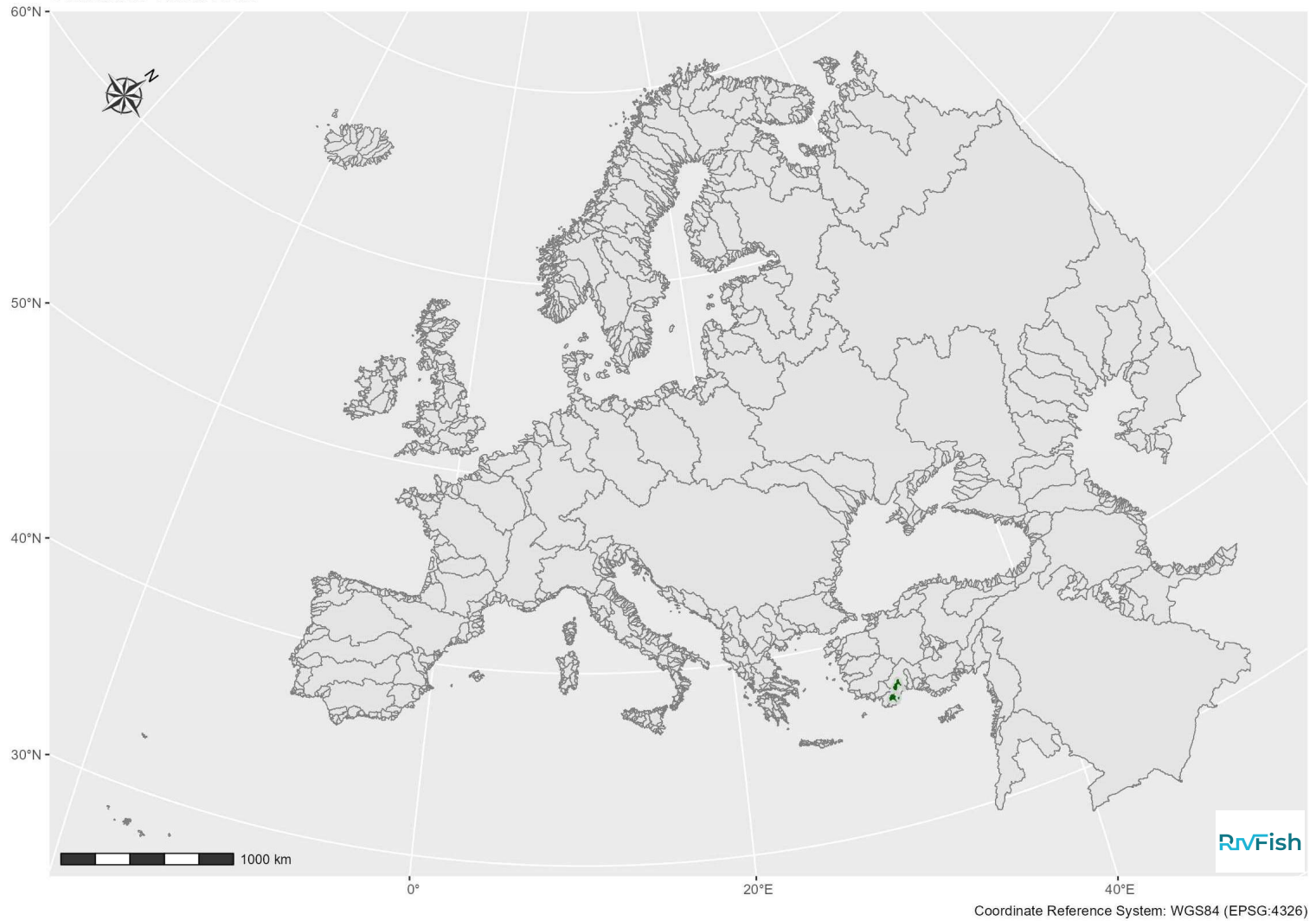
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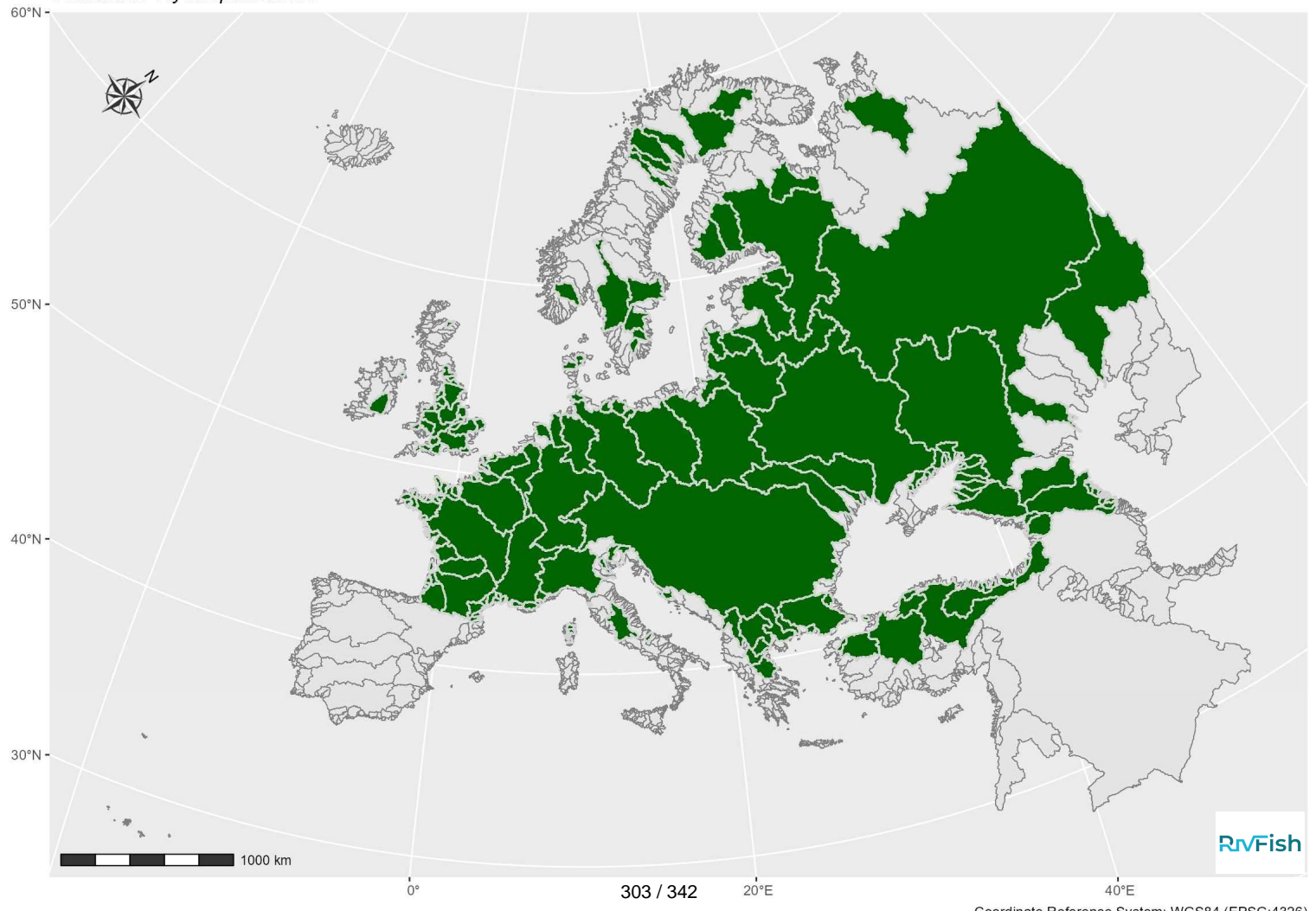
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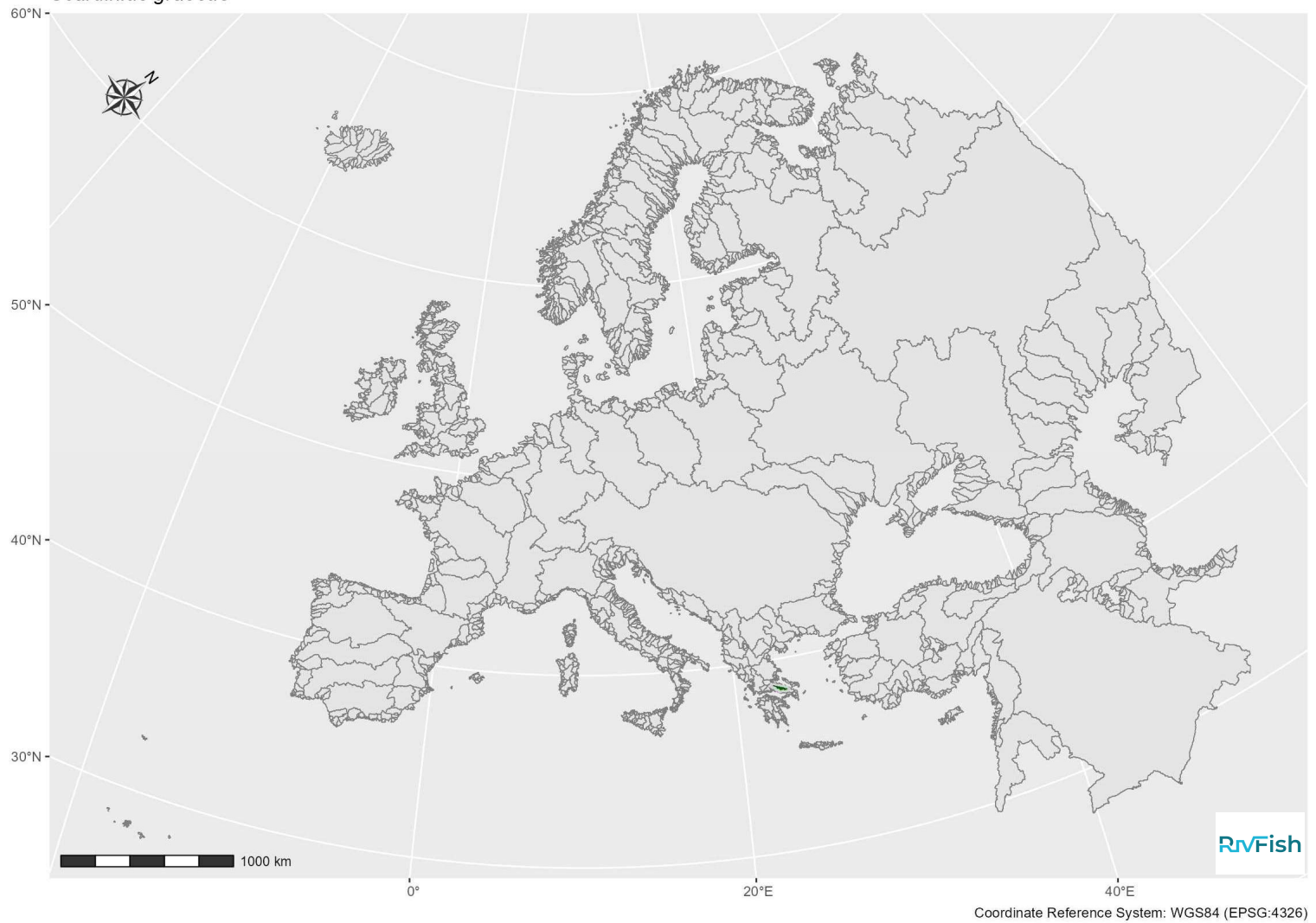
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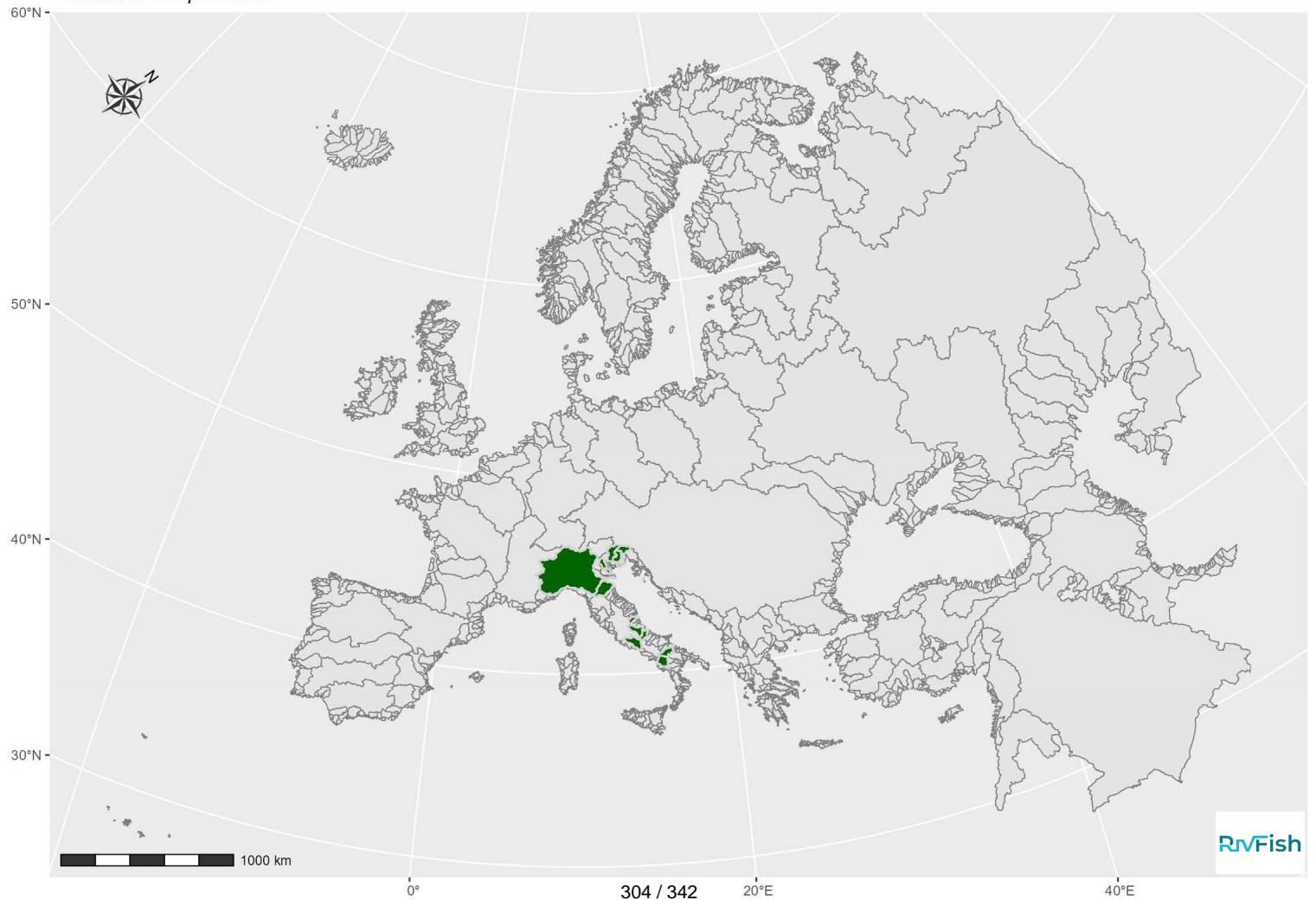
Scardinius erythrophthalmus



Scardinius graecus



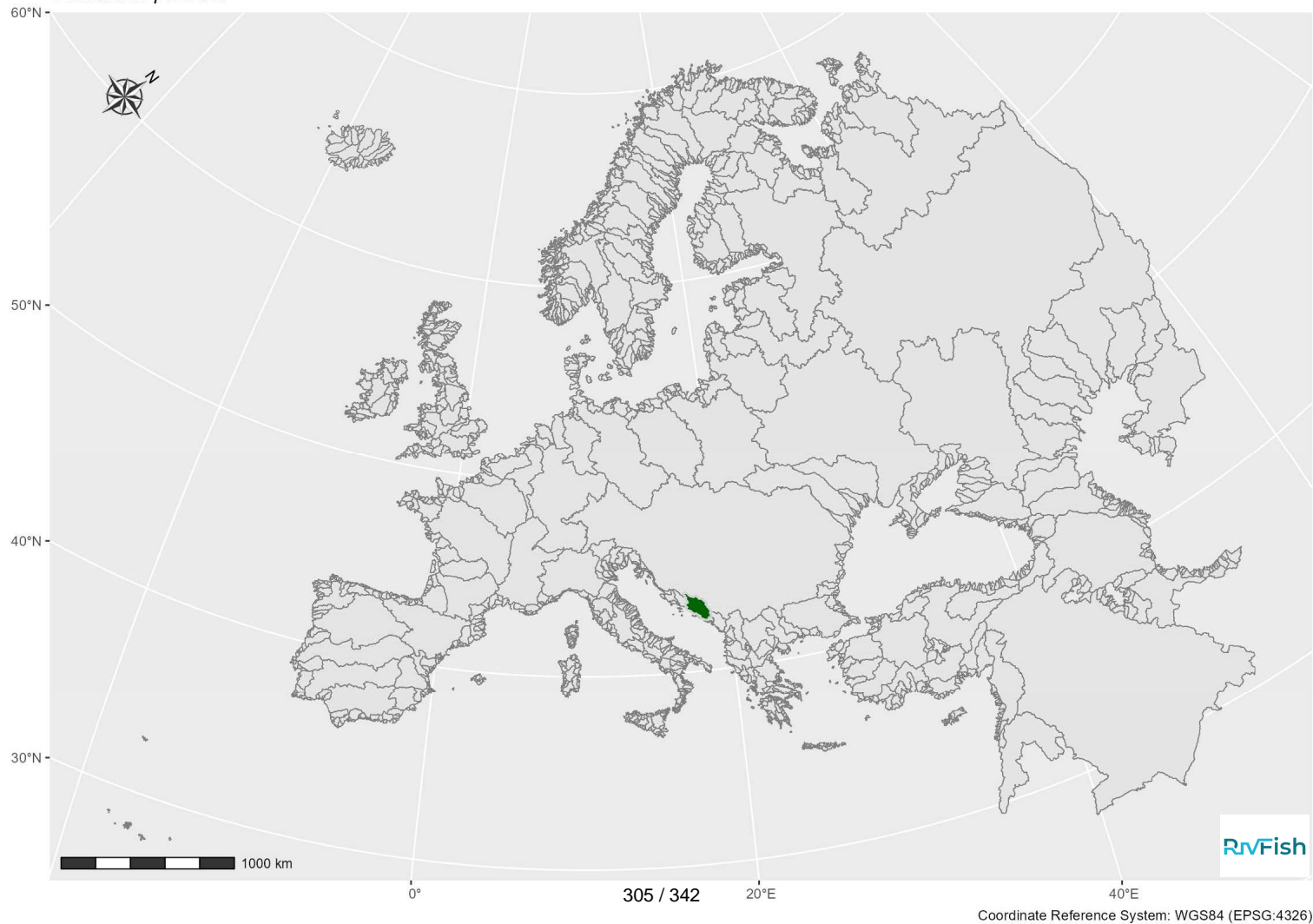
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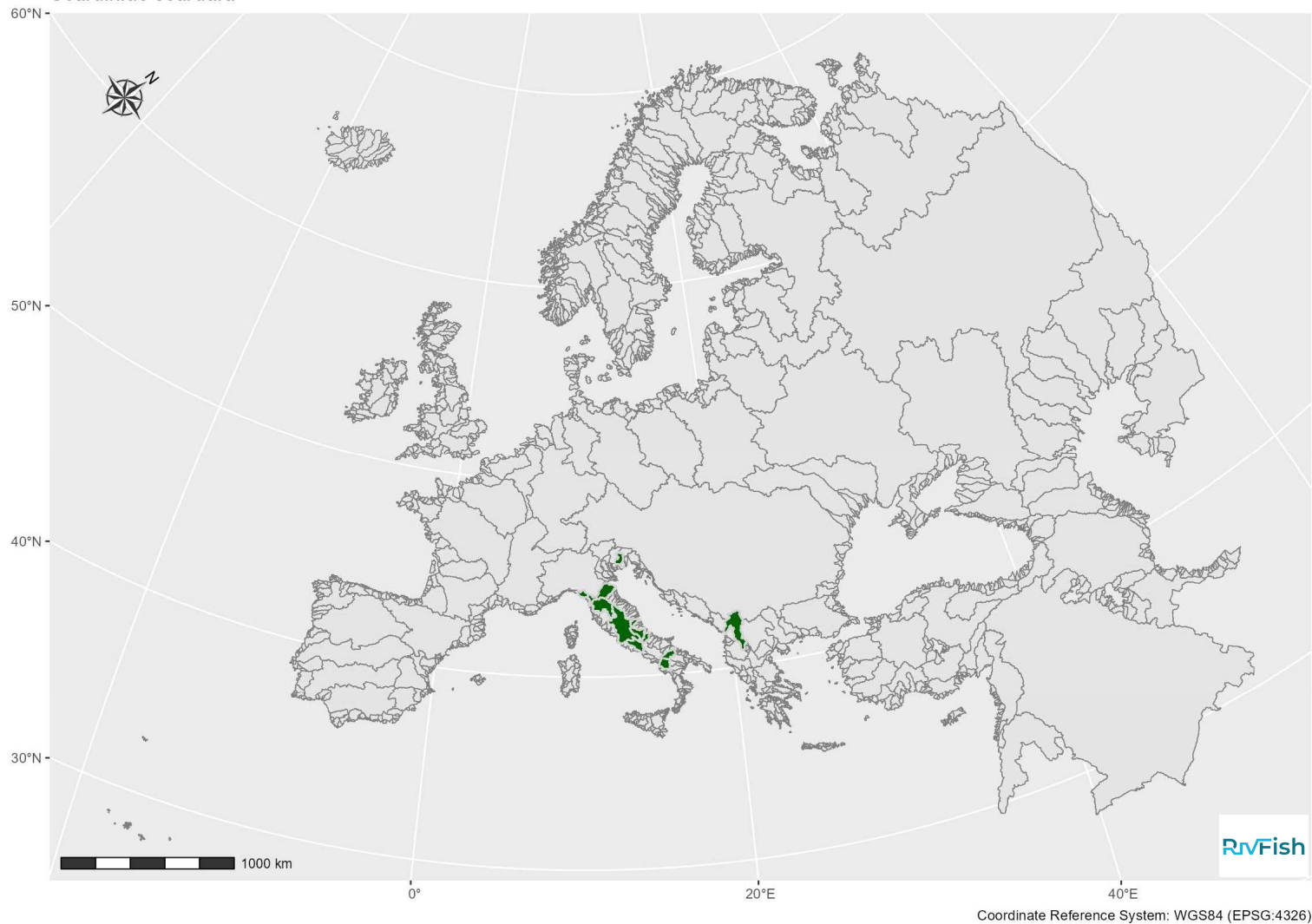
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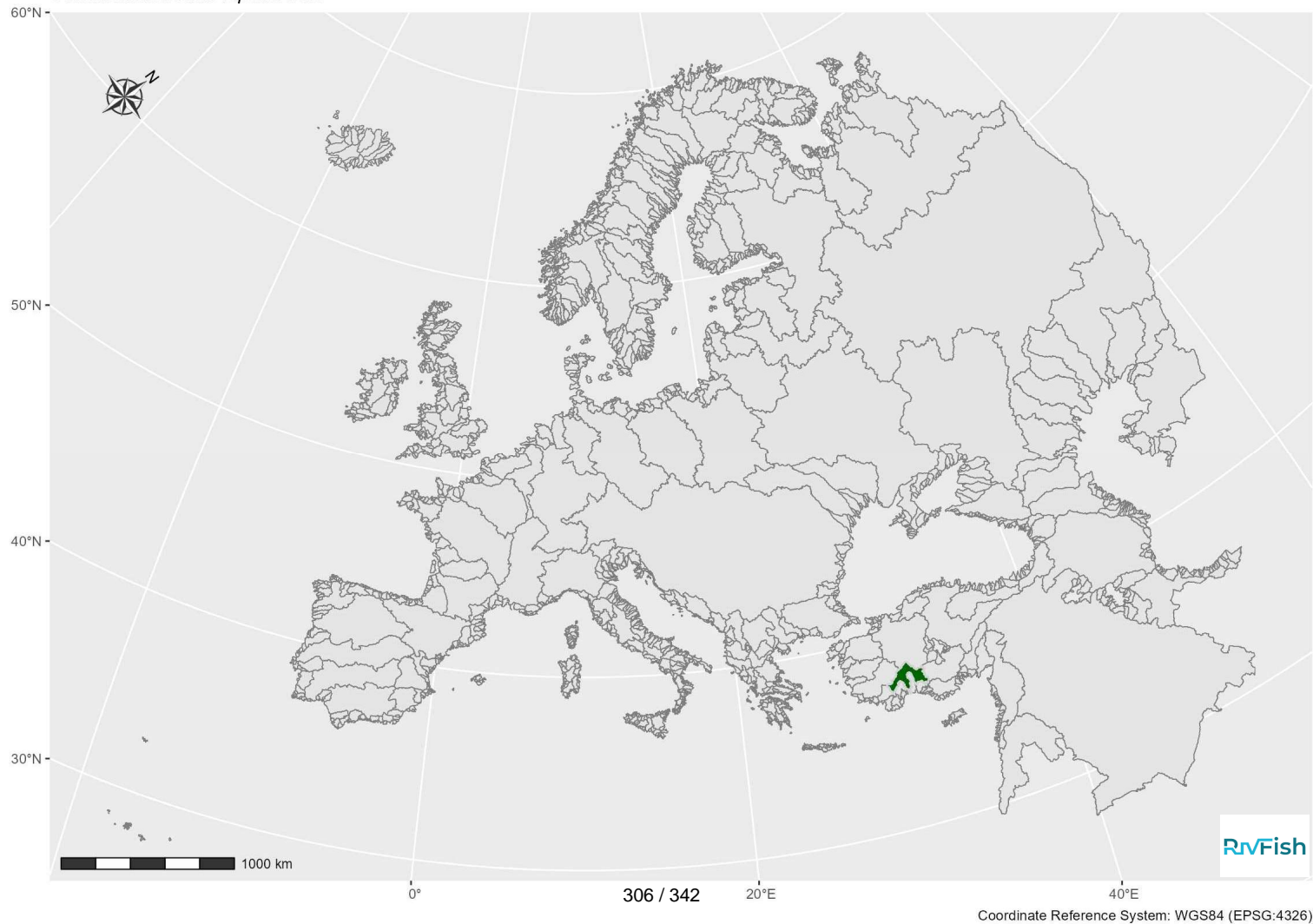
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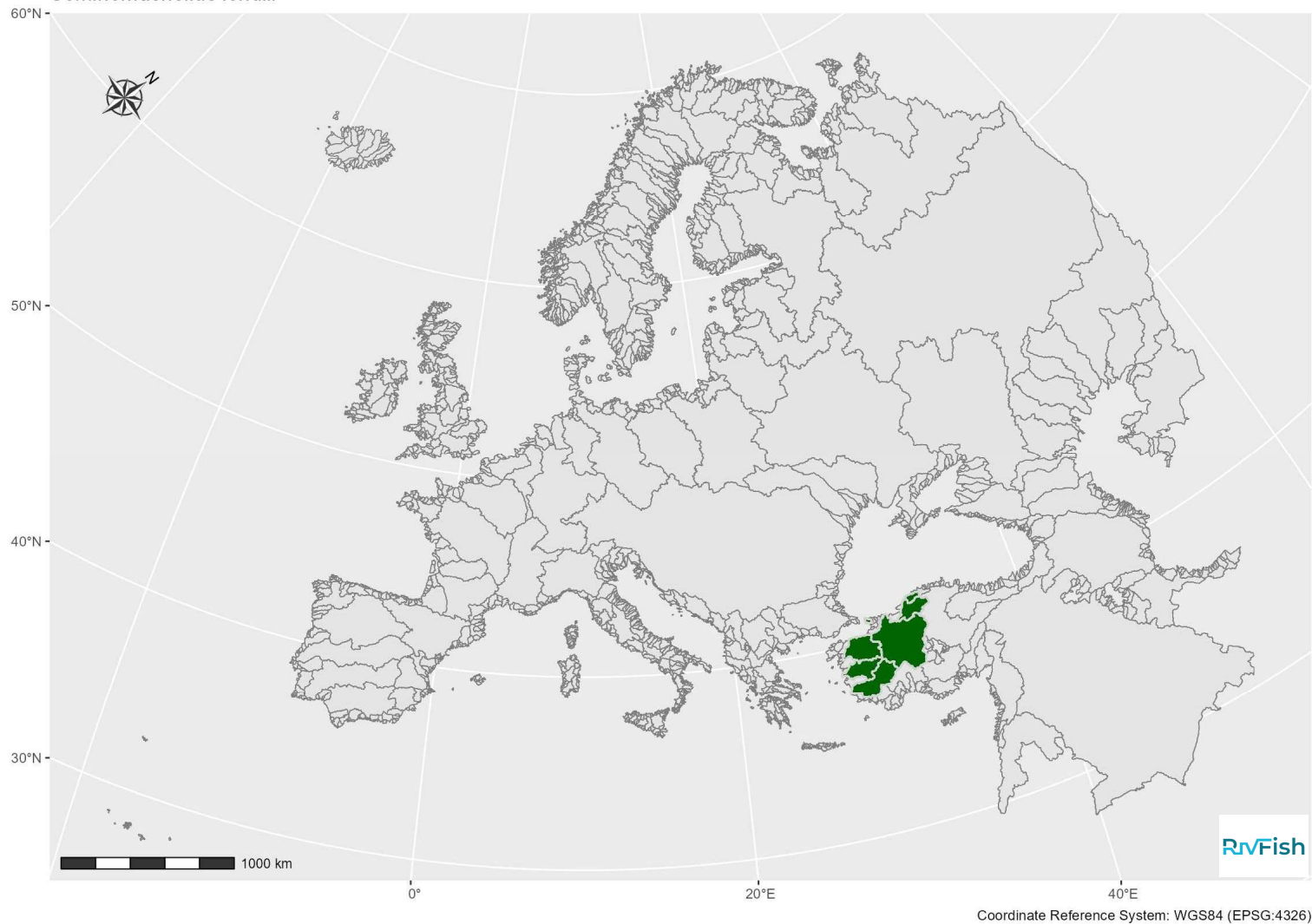
Scardinius scardafa



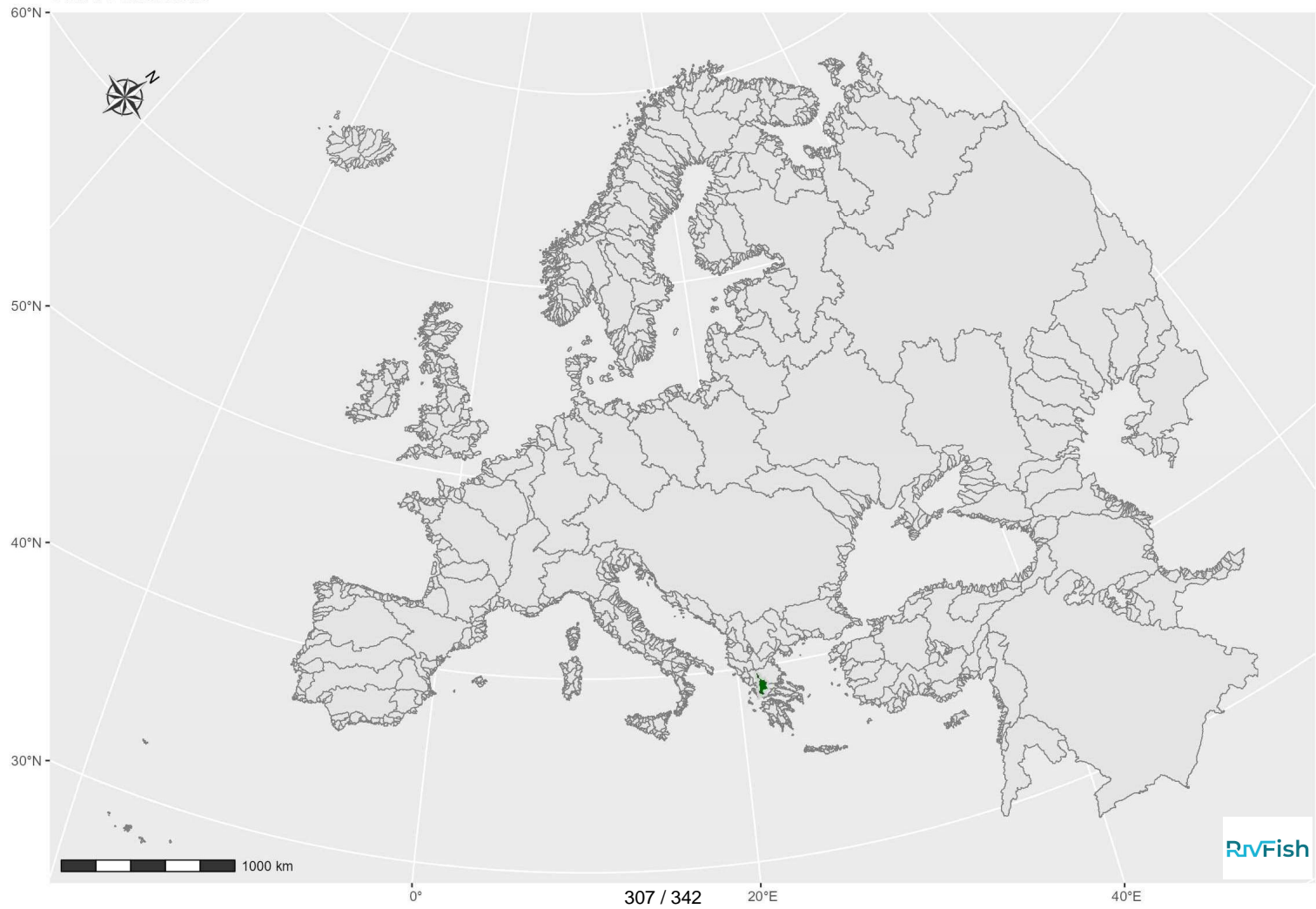
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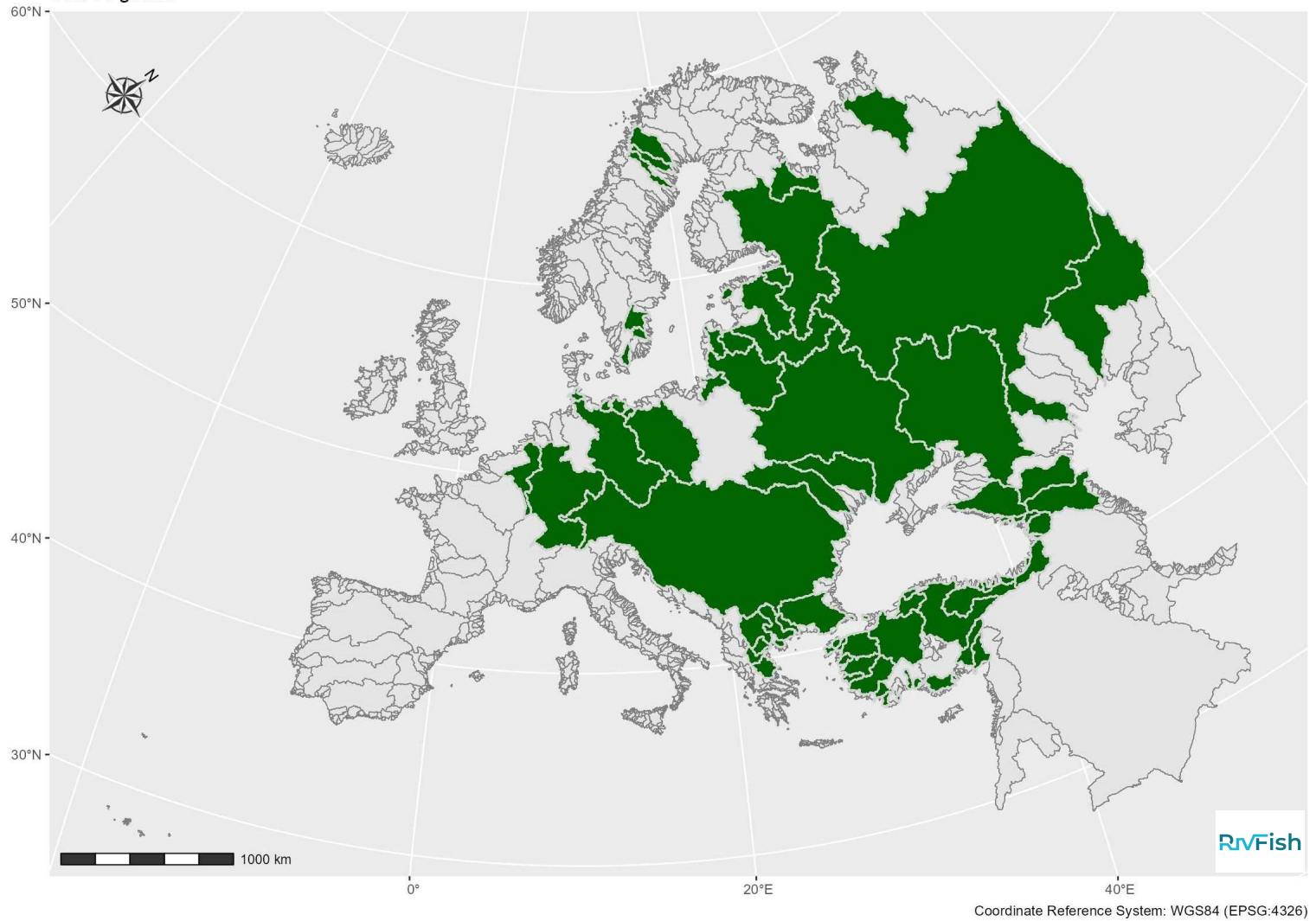
Seminemacheilus lendlii



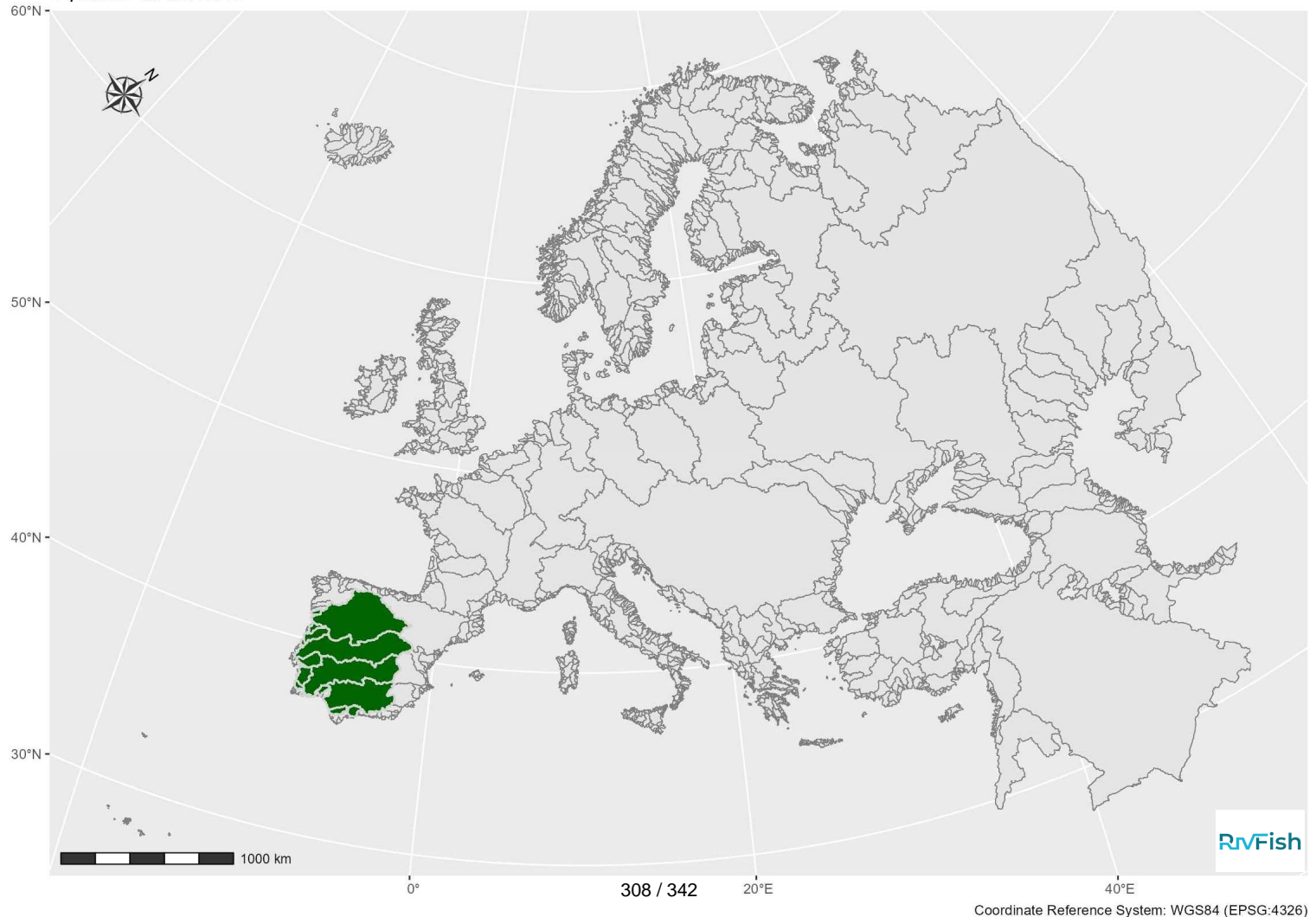
Silurus aristotelis



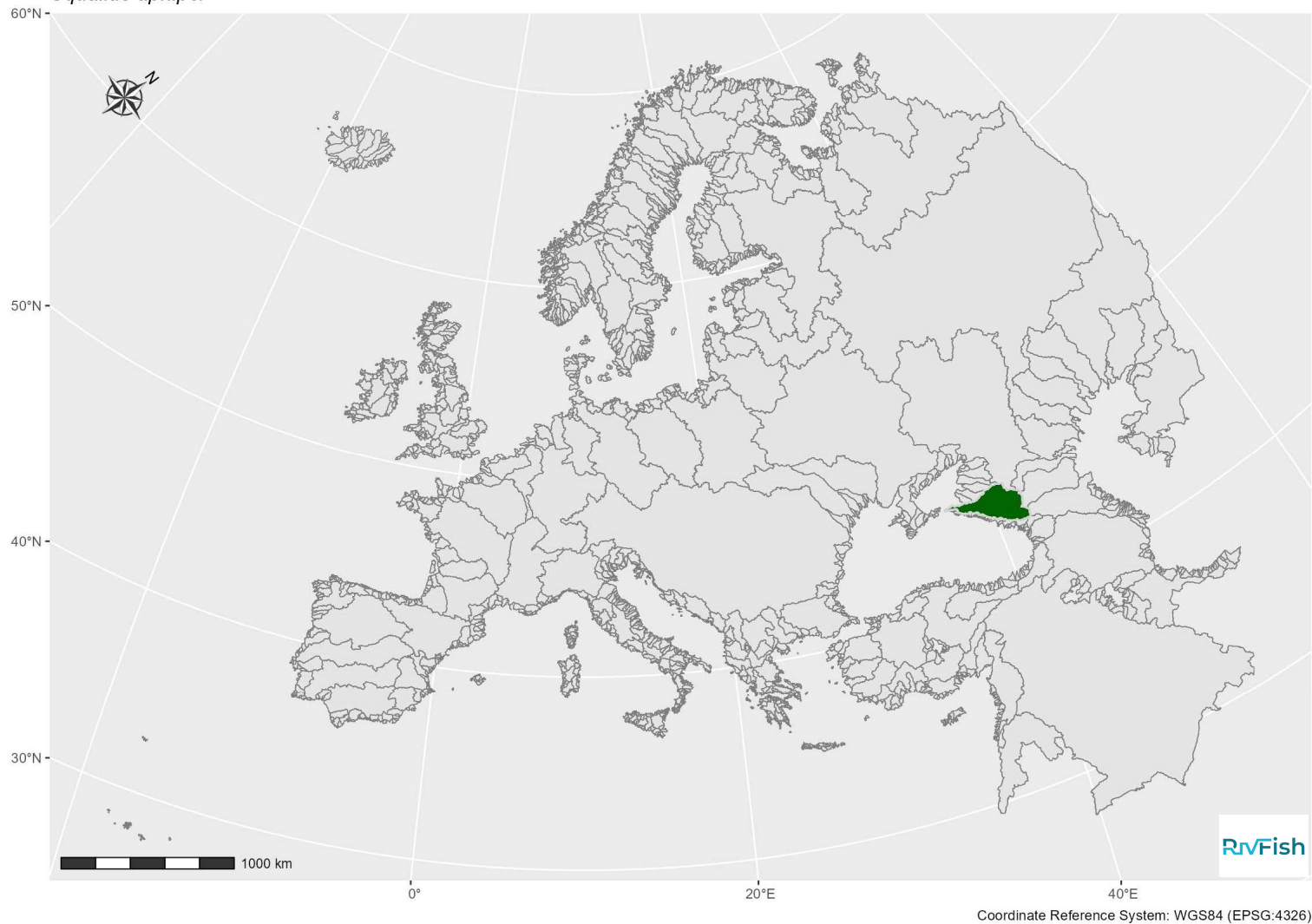
Silurus glanis



Squalius alburnoides



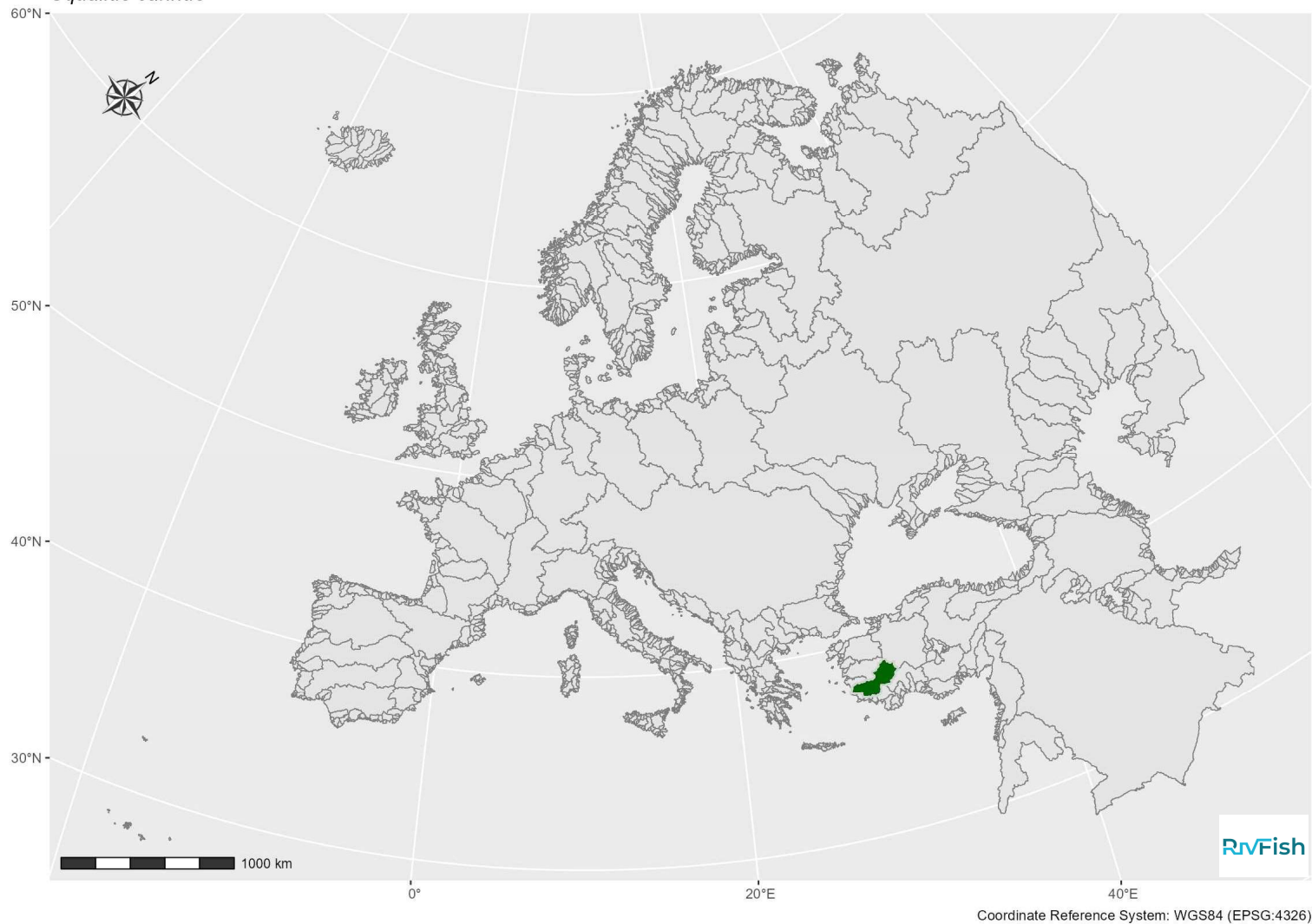
Squalius ahipsi



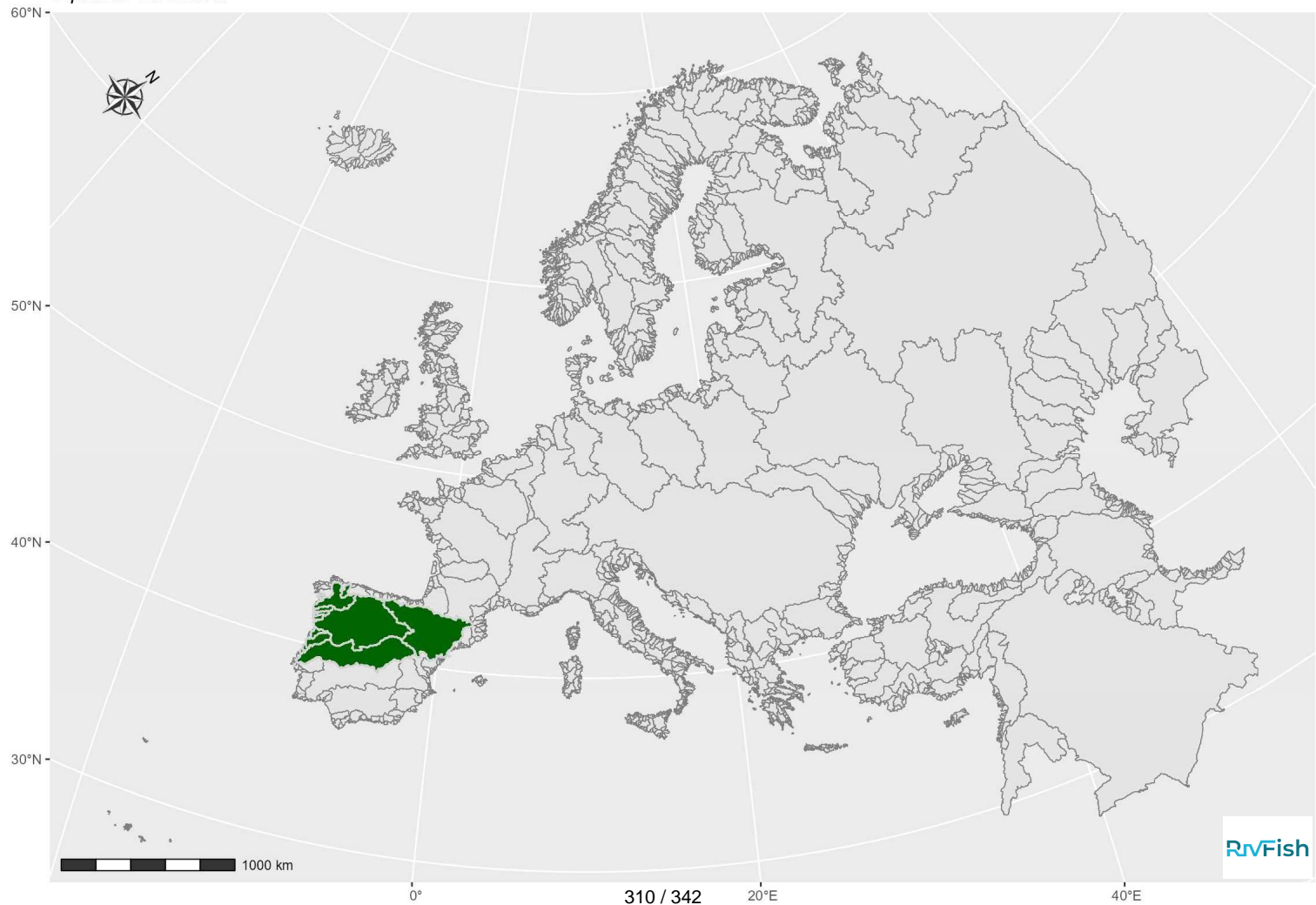
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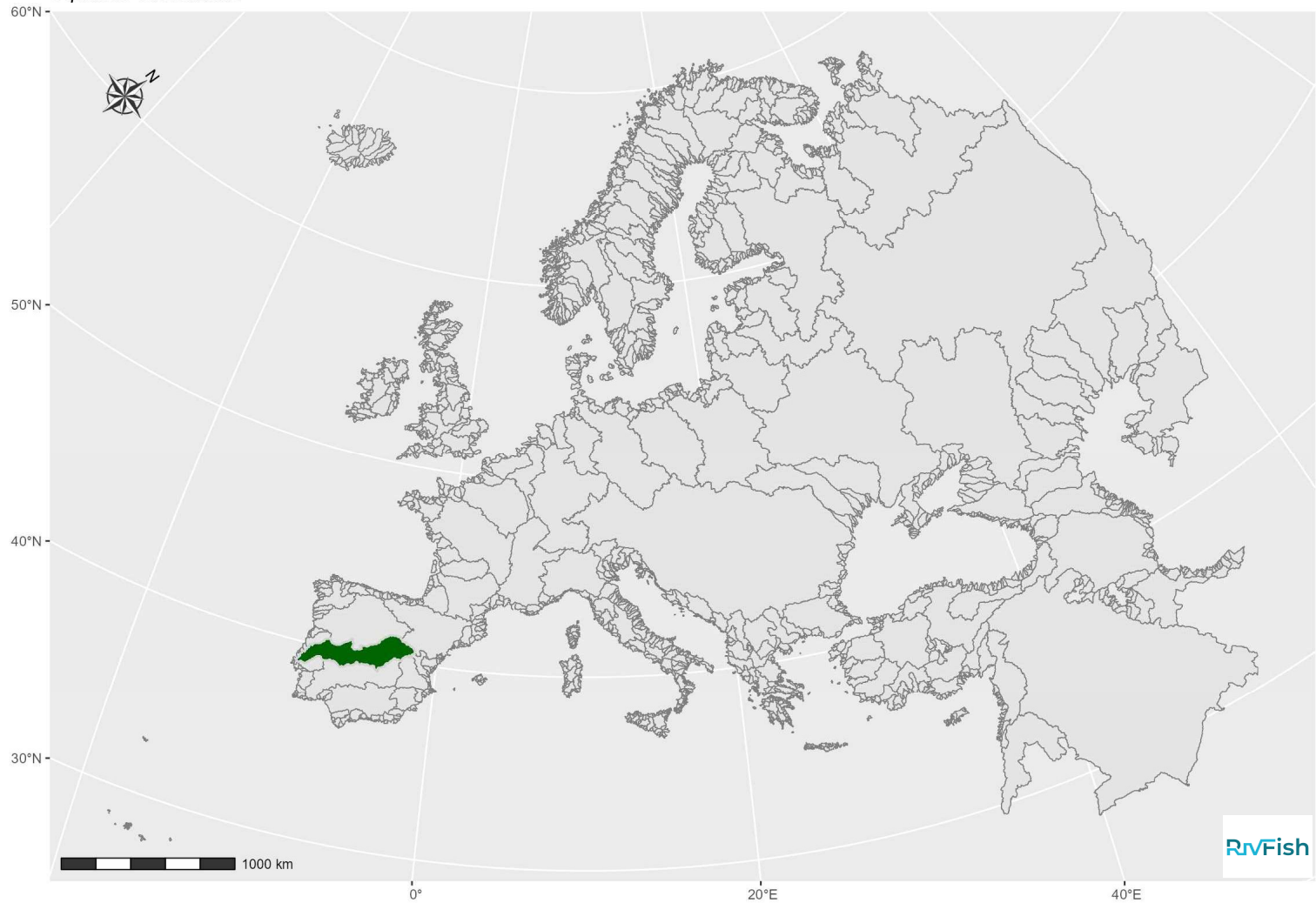
Squalius carinus



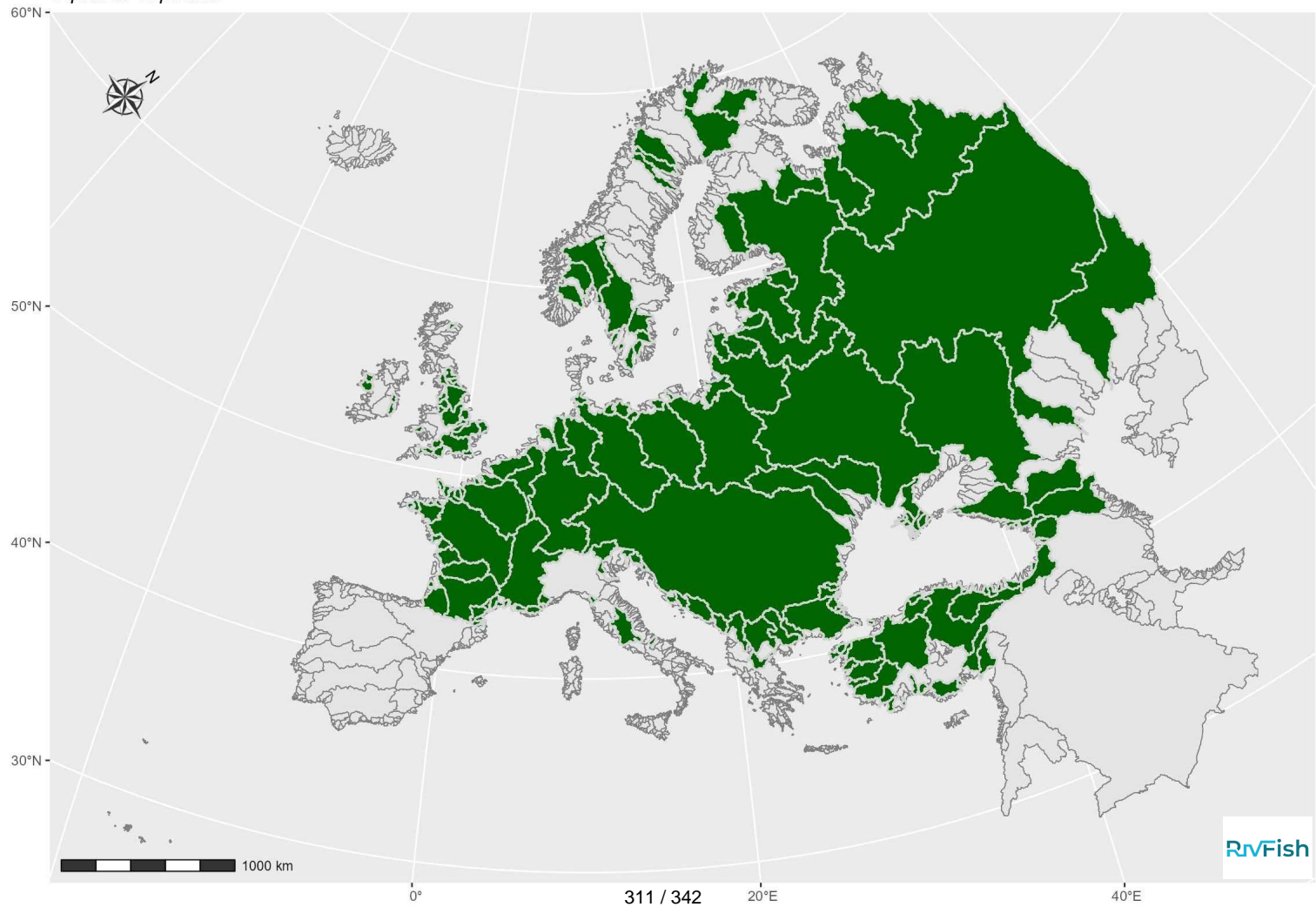
Squalius carolitertii



Squalius castellanus



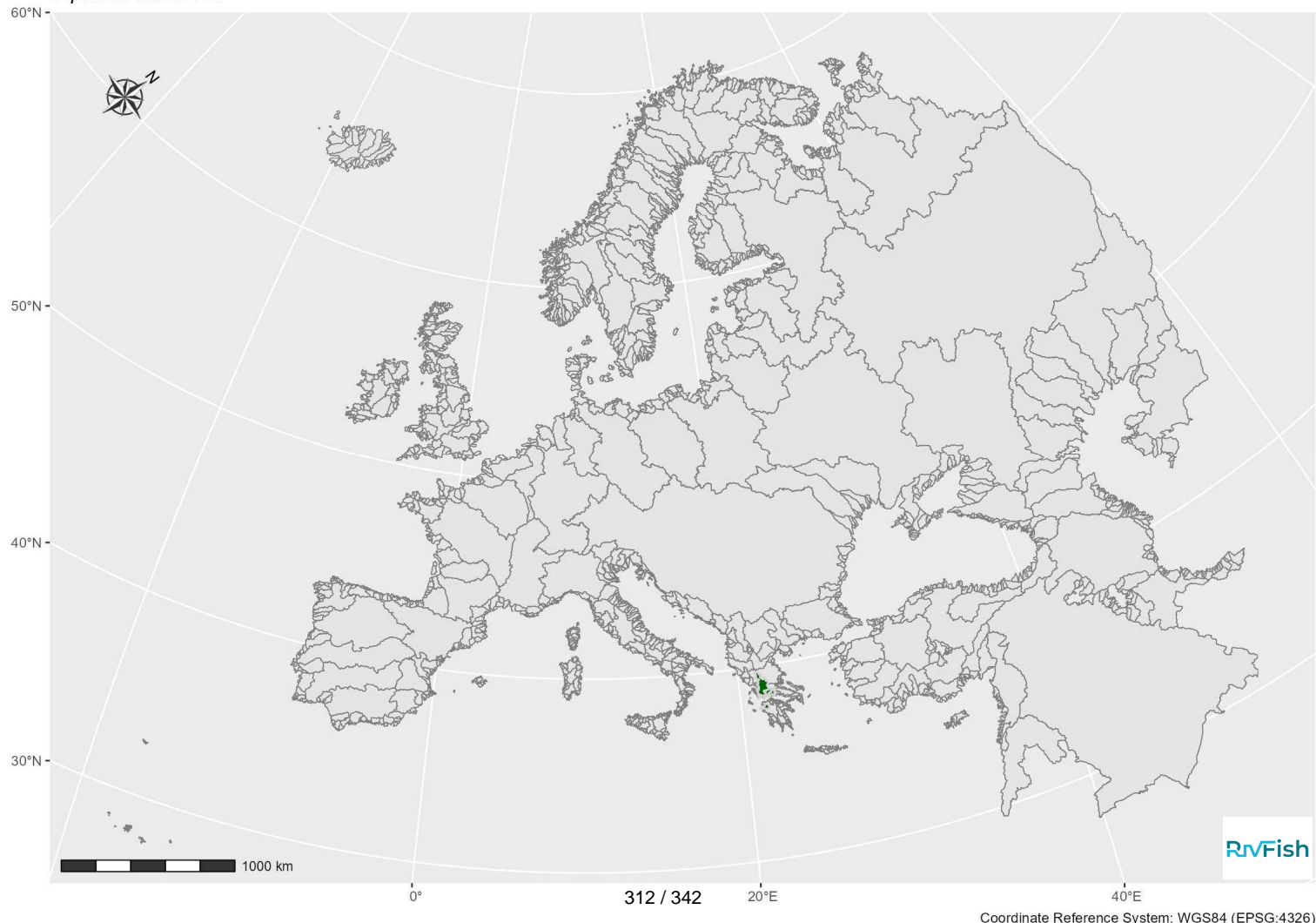
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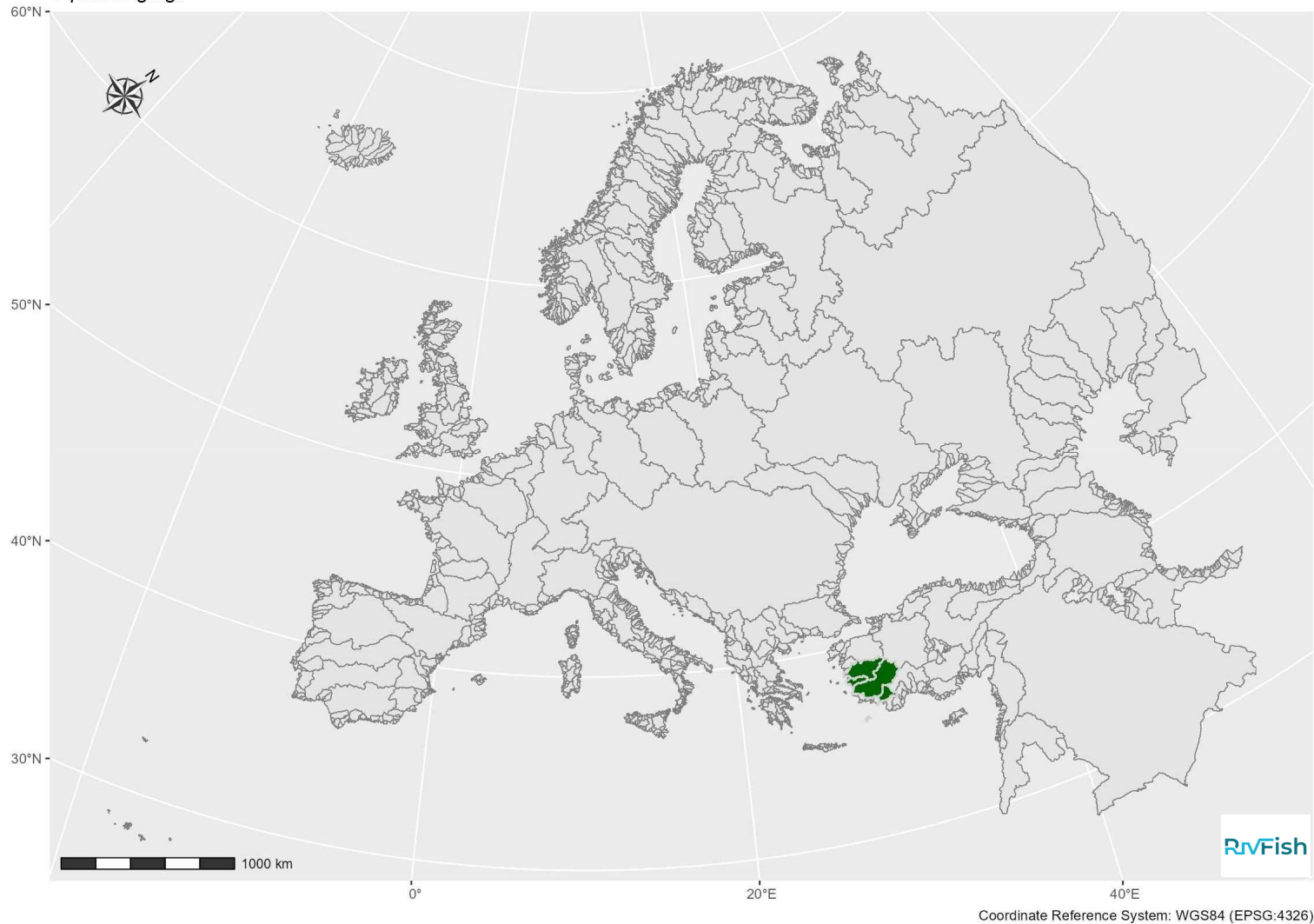
Squalius cii



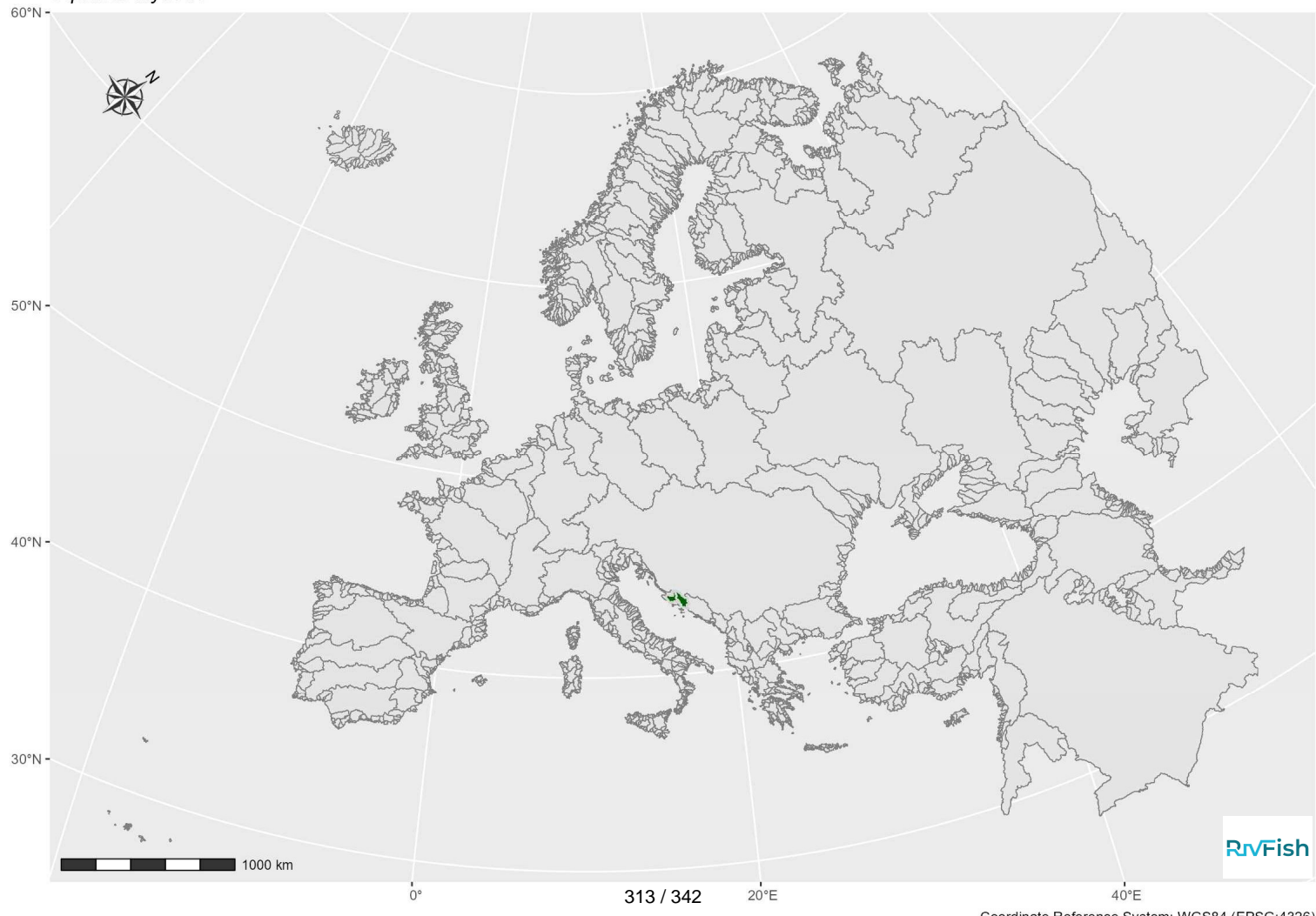
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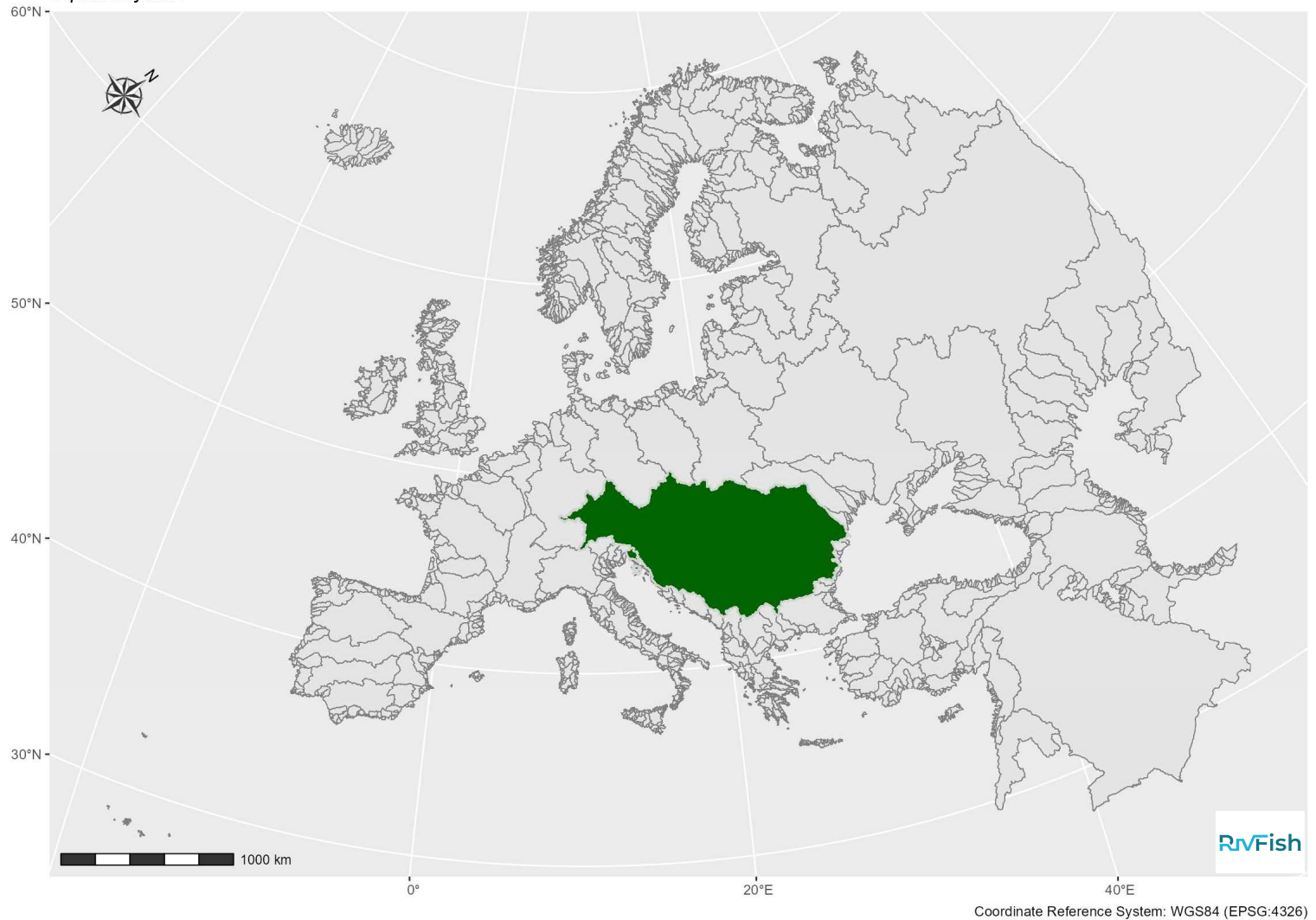
Squalius ghigi



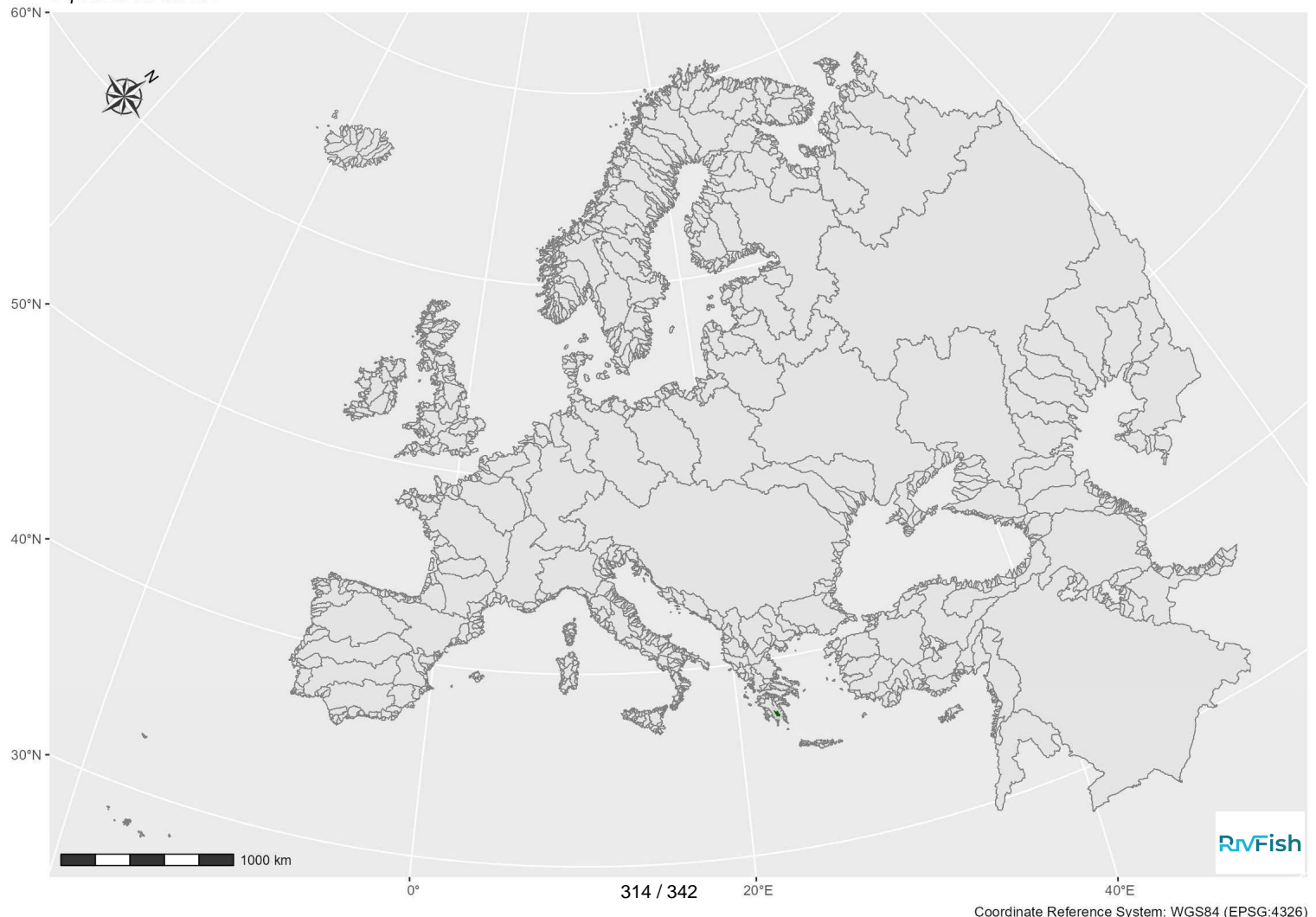
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Squalius janae



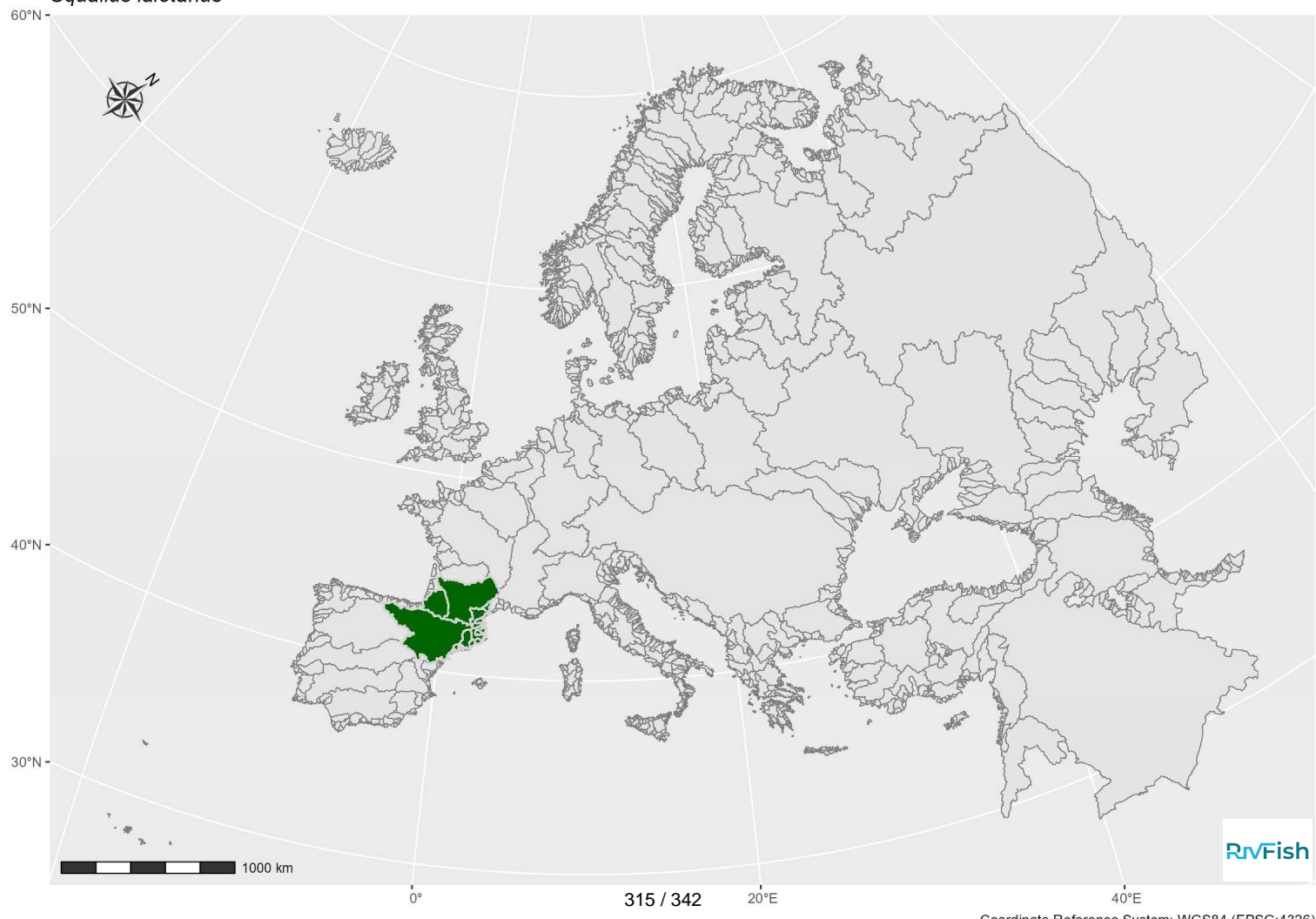
Squalius keadicus



Squalius kosswigi



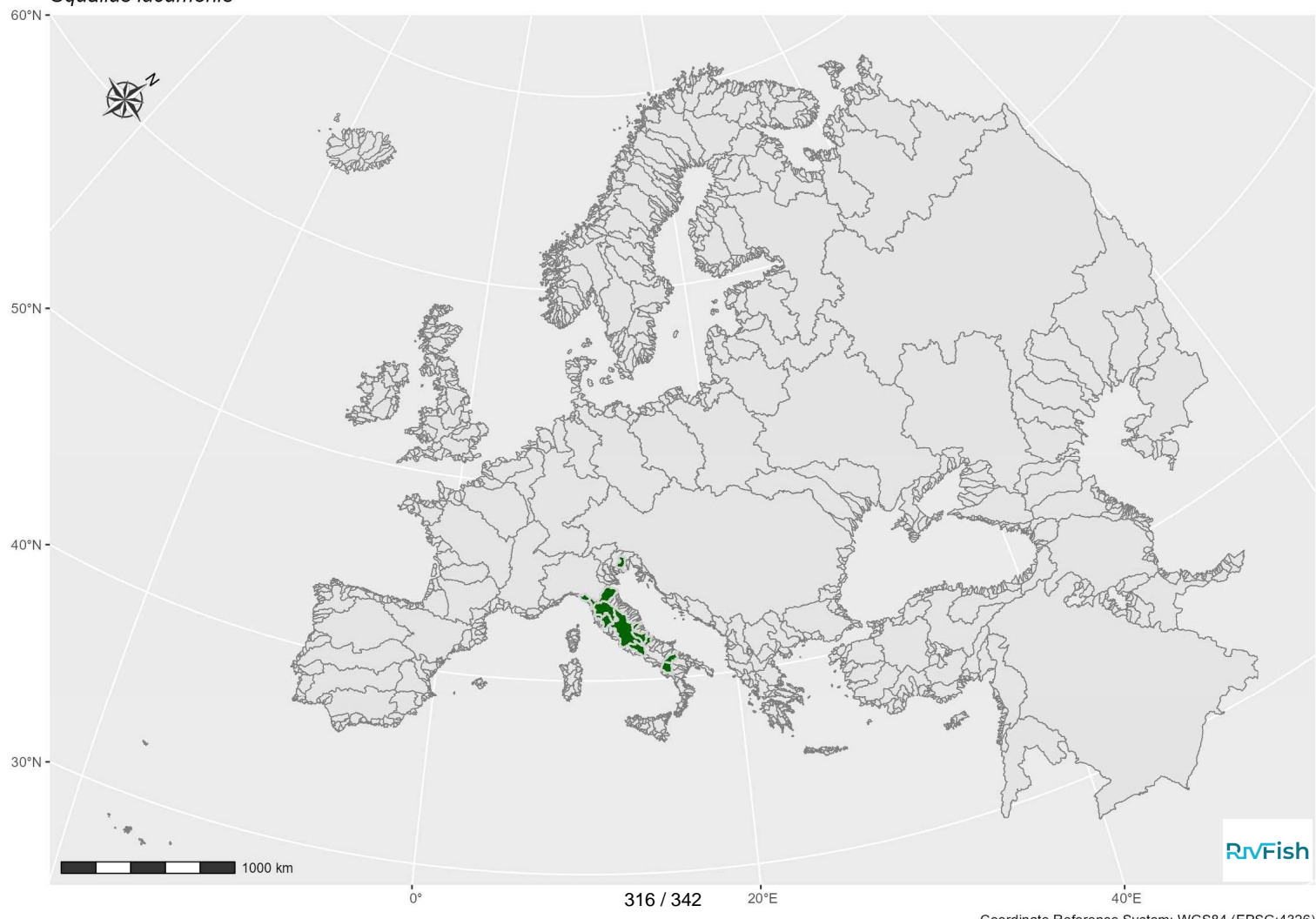
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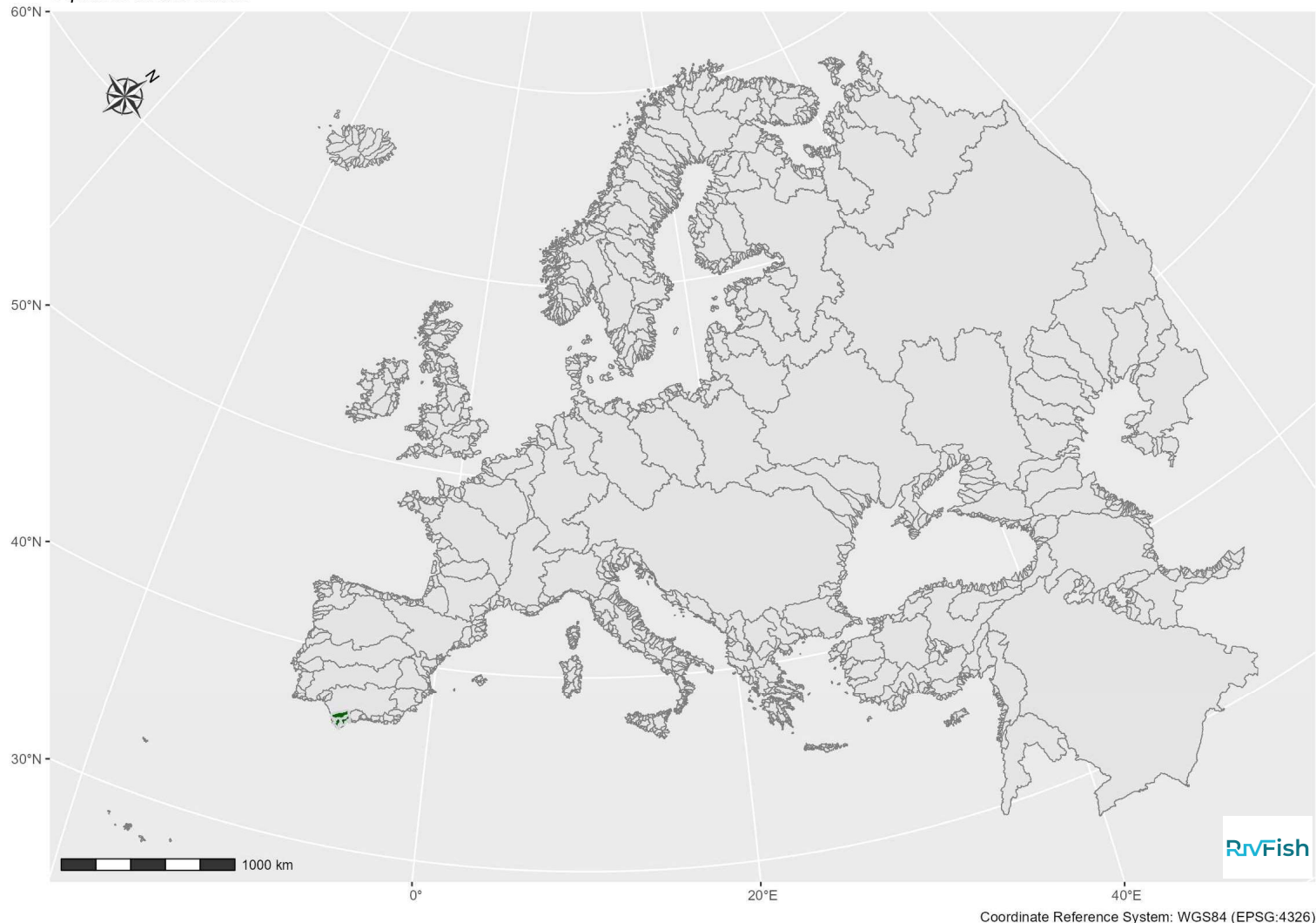
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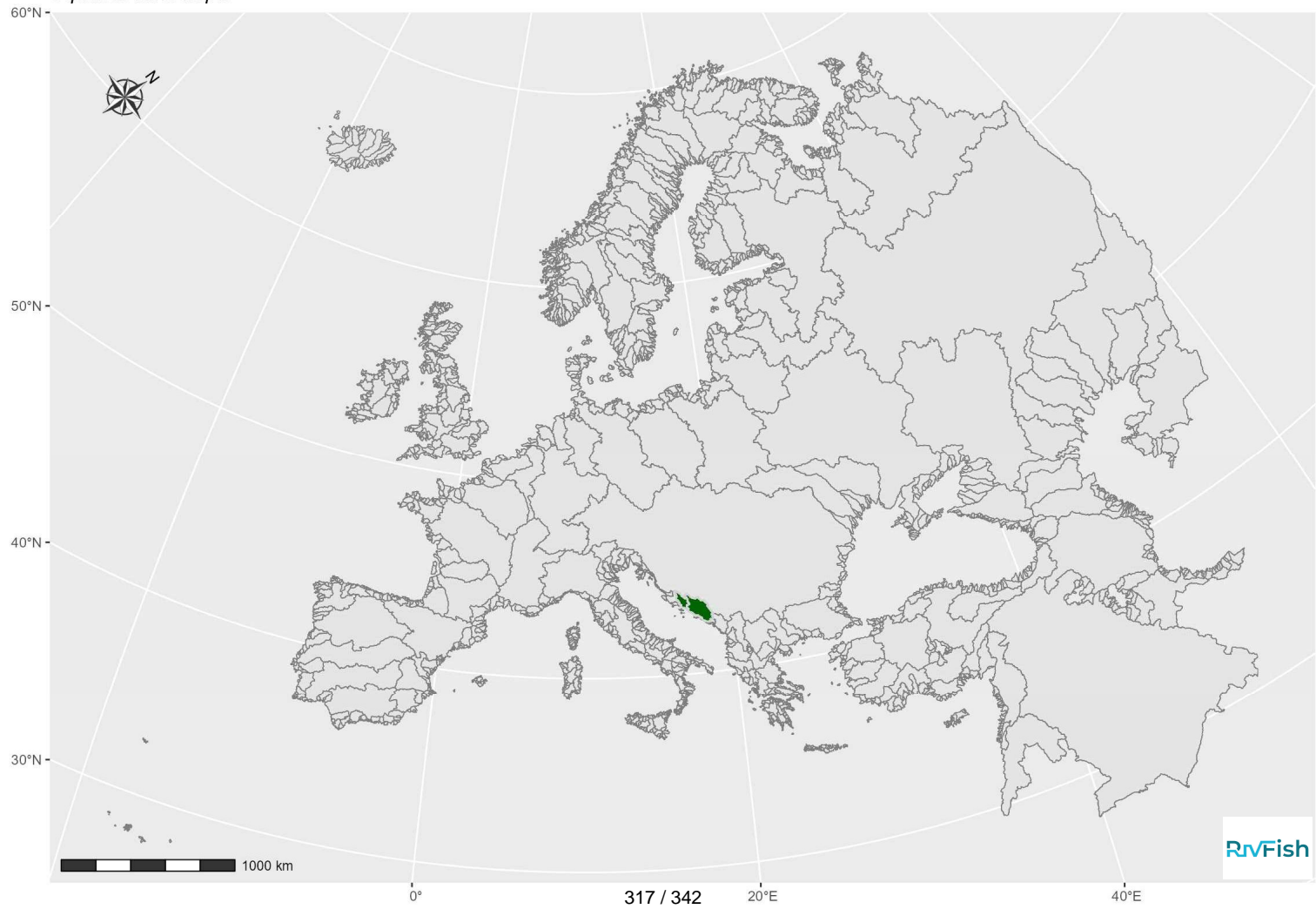
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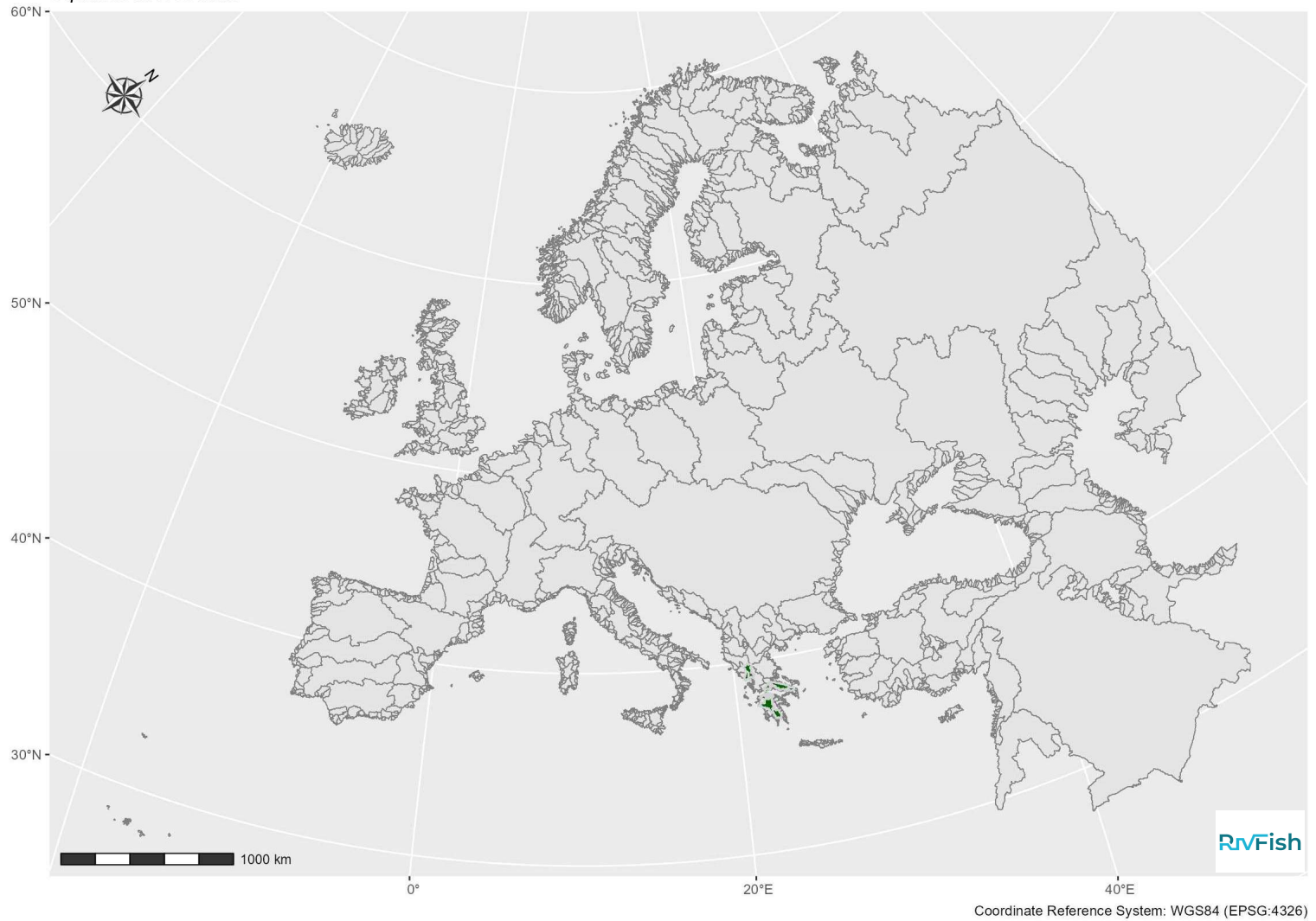
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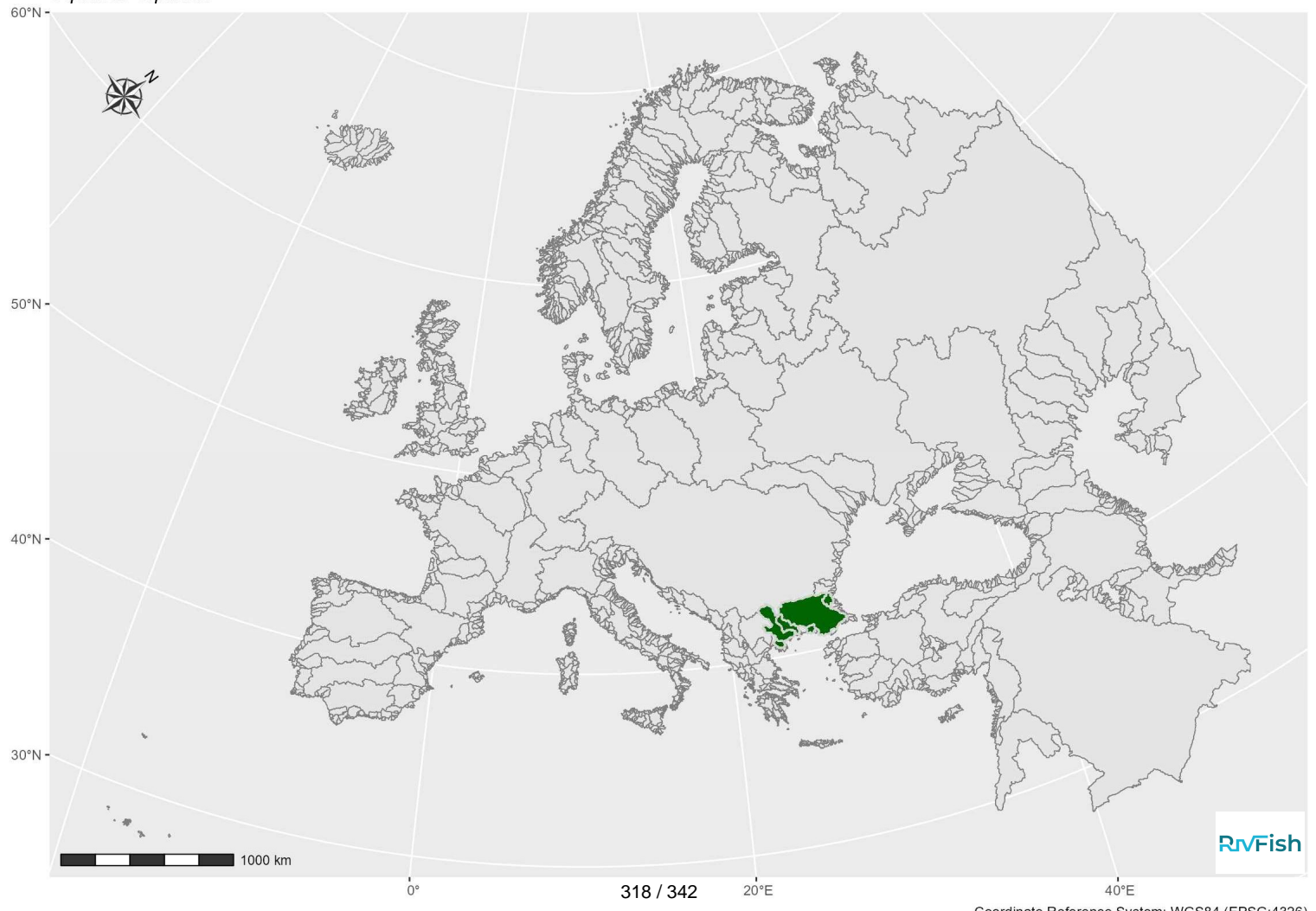
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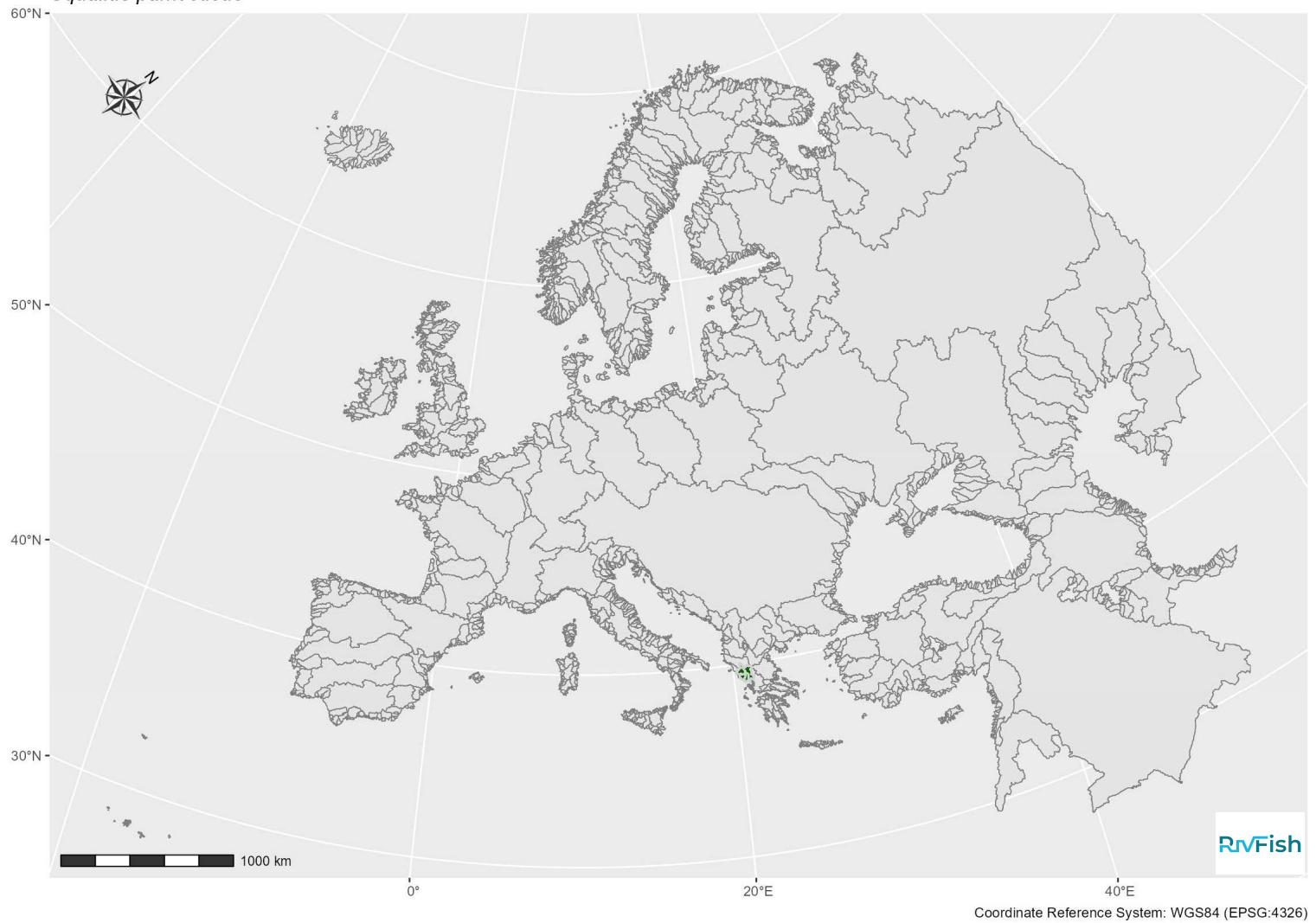
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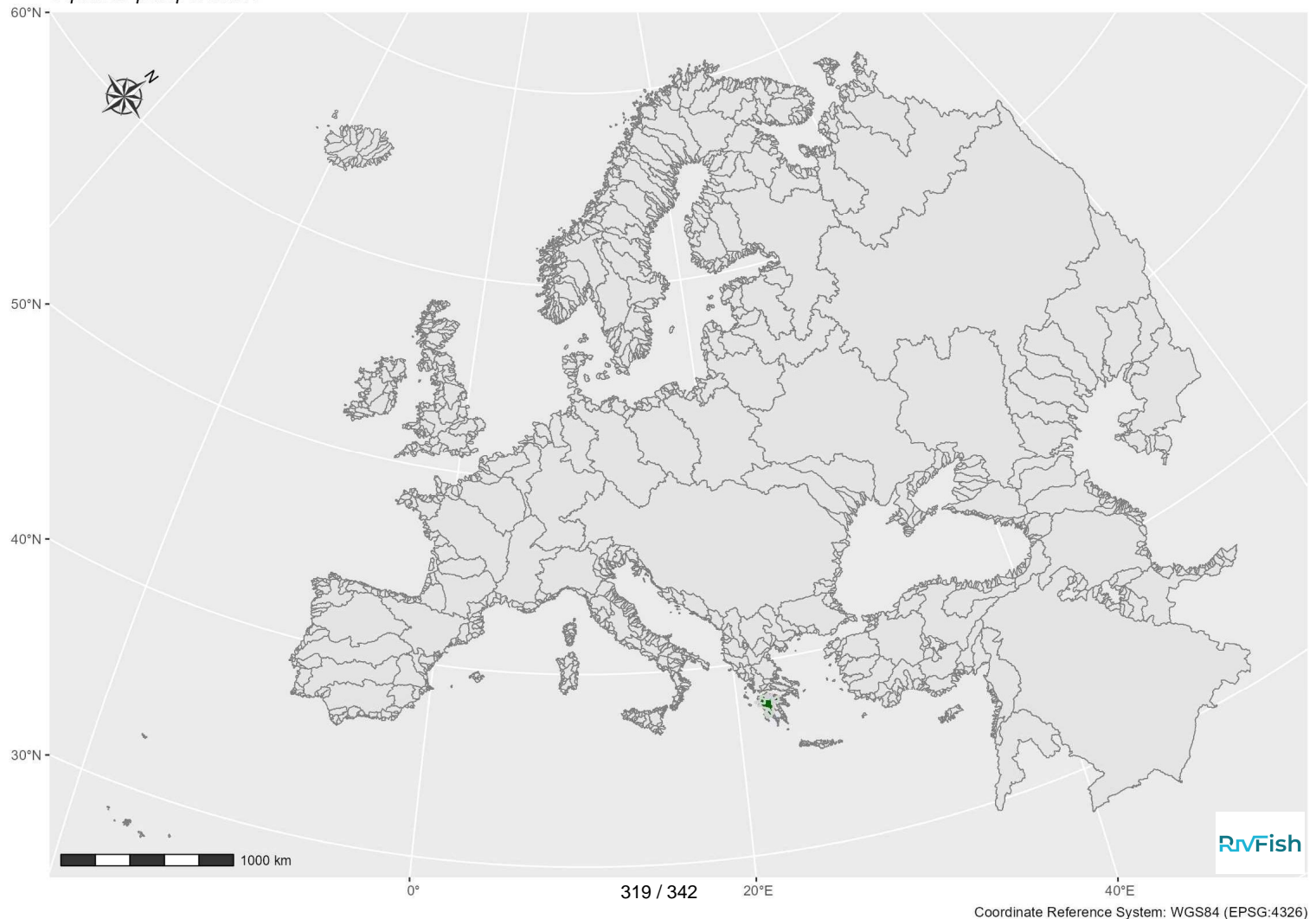
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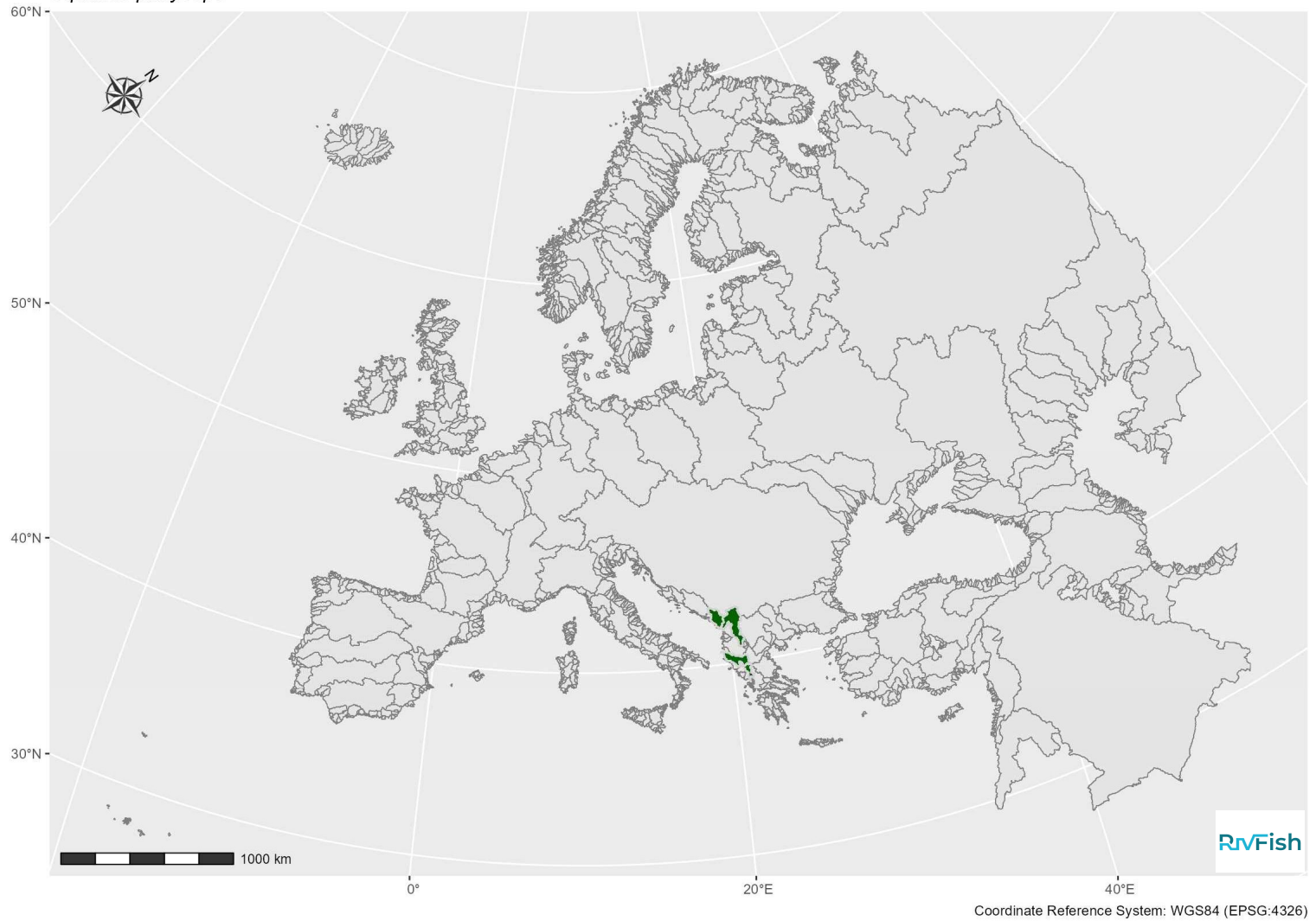
Squalius pamvoticus



Squalius peloponensis



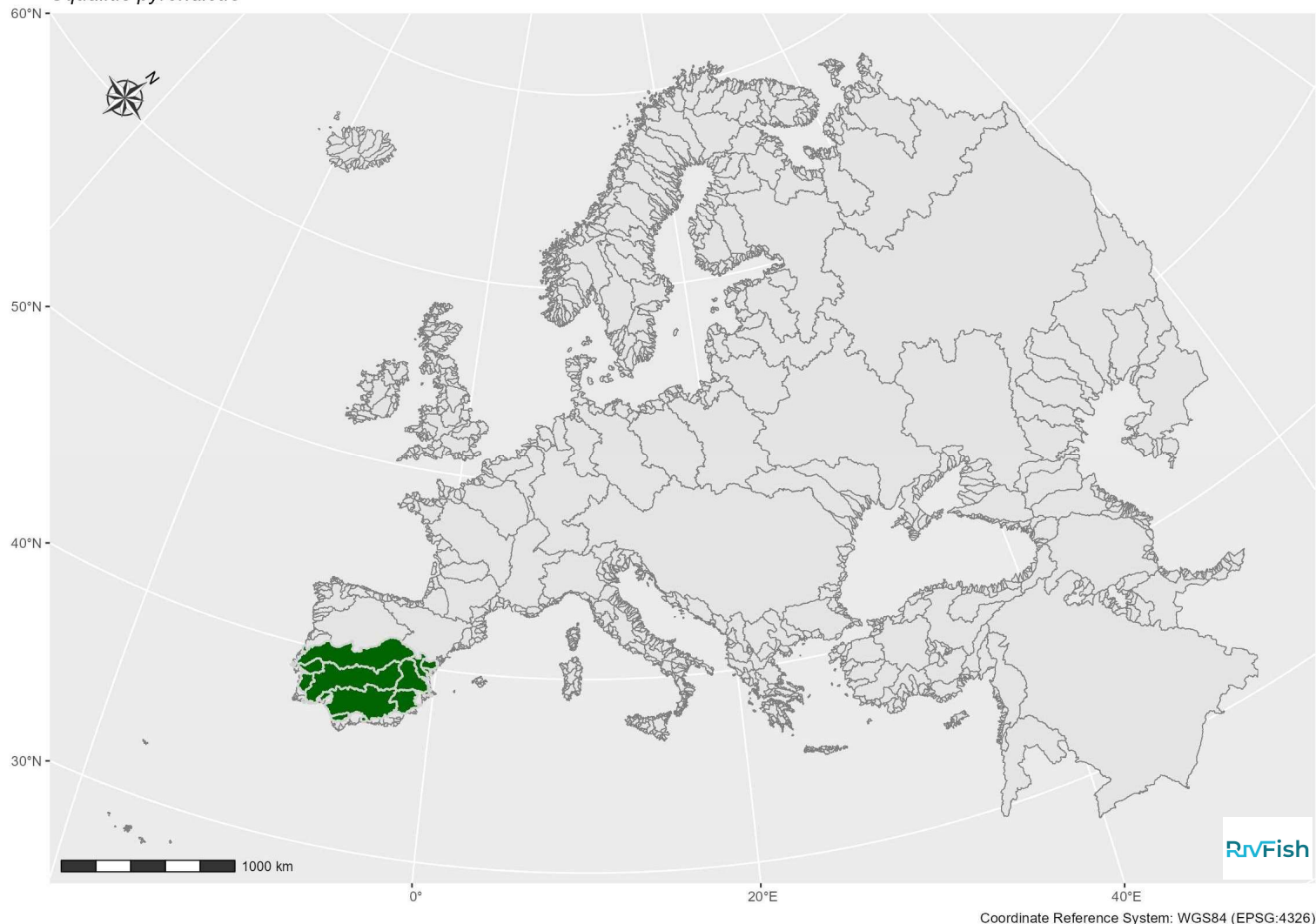
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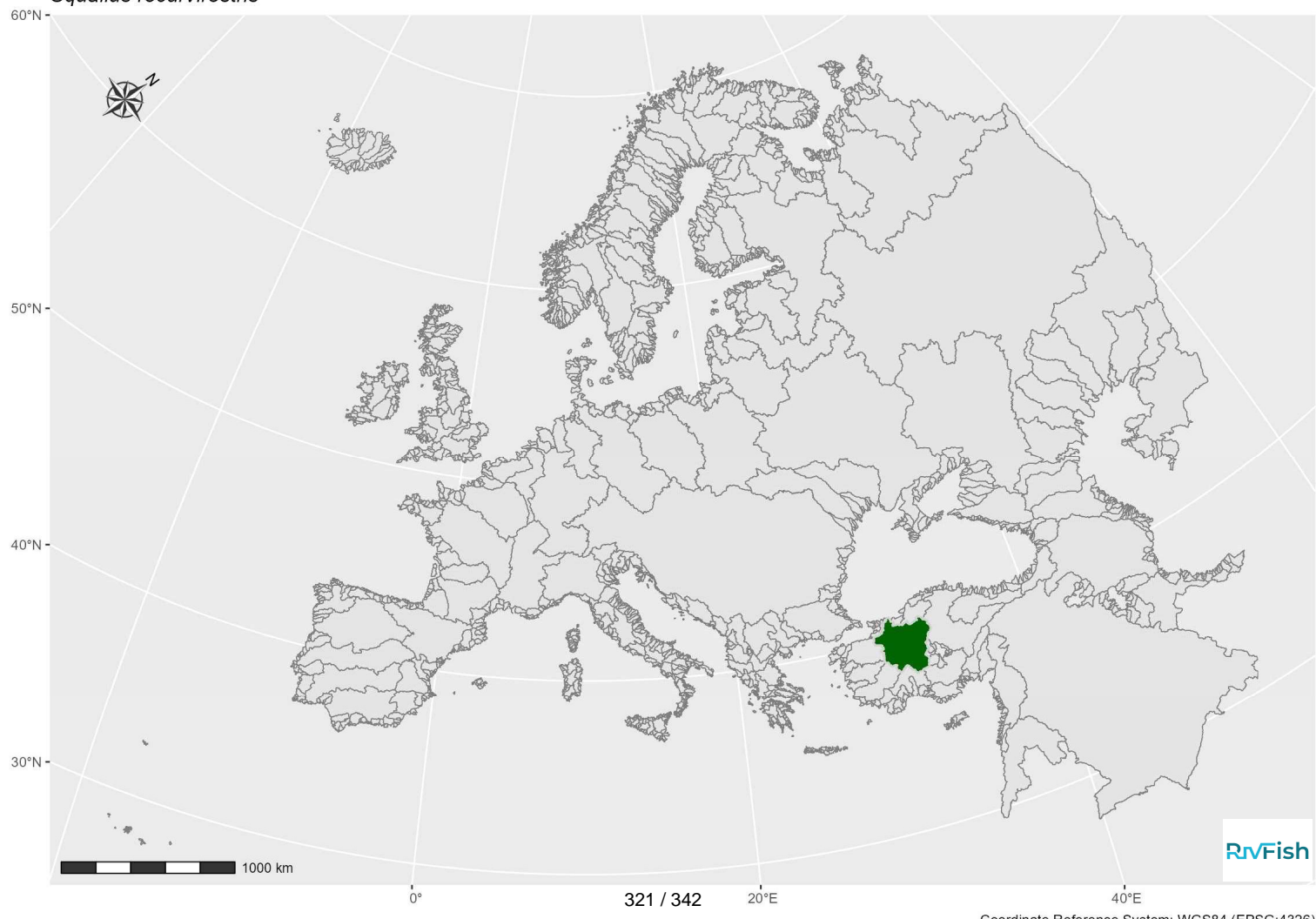
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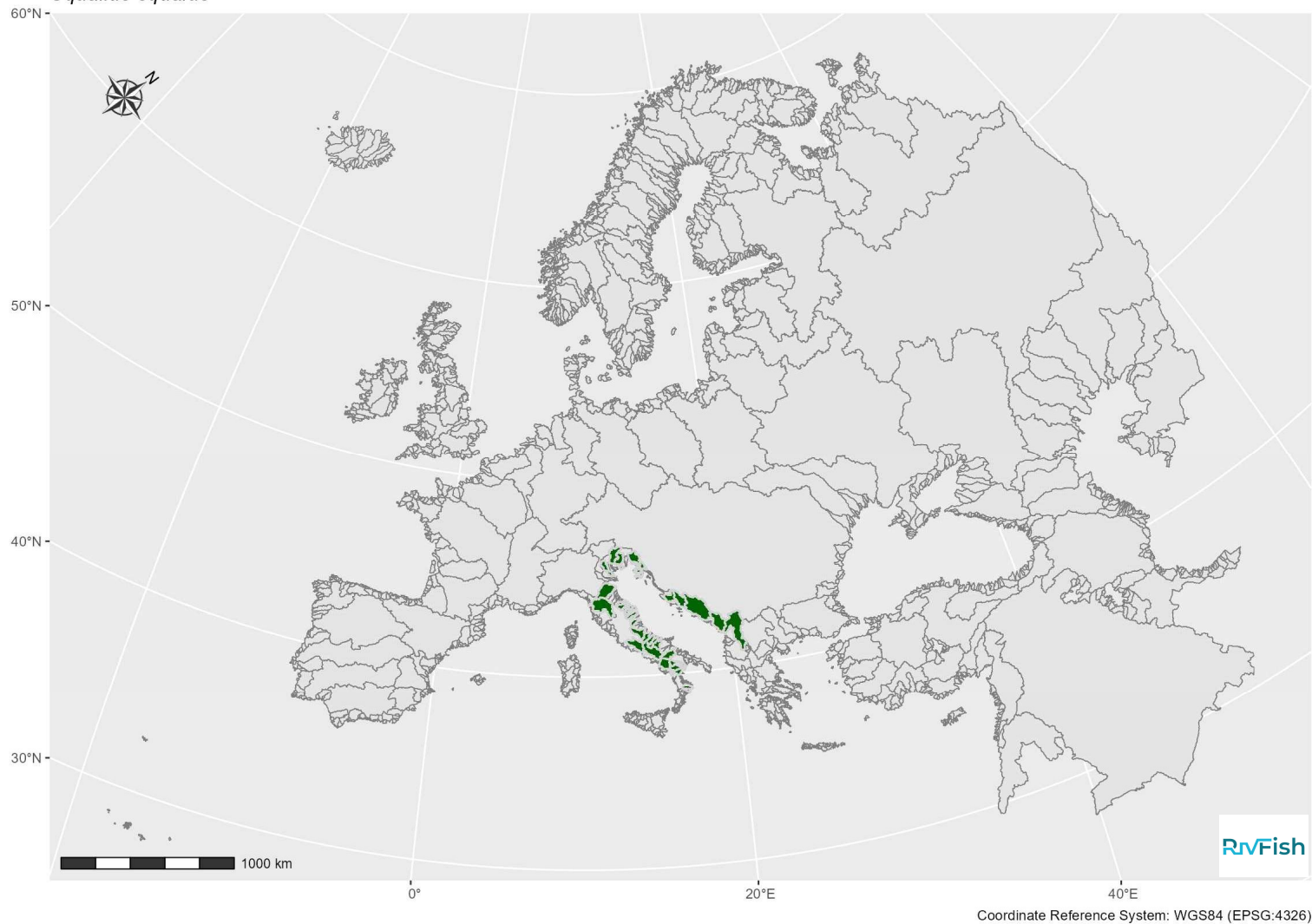
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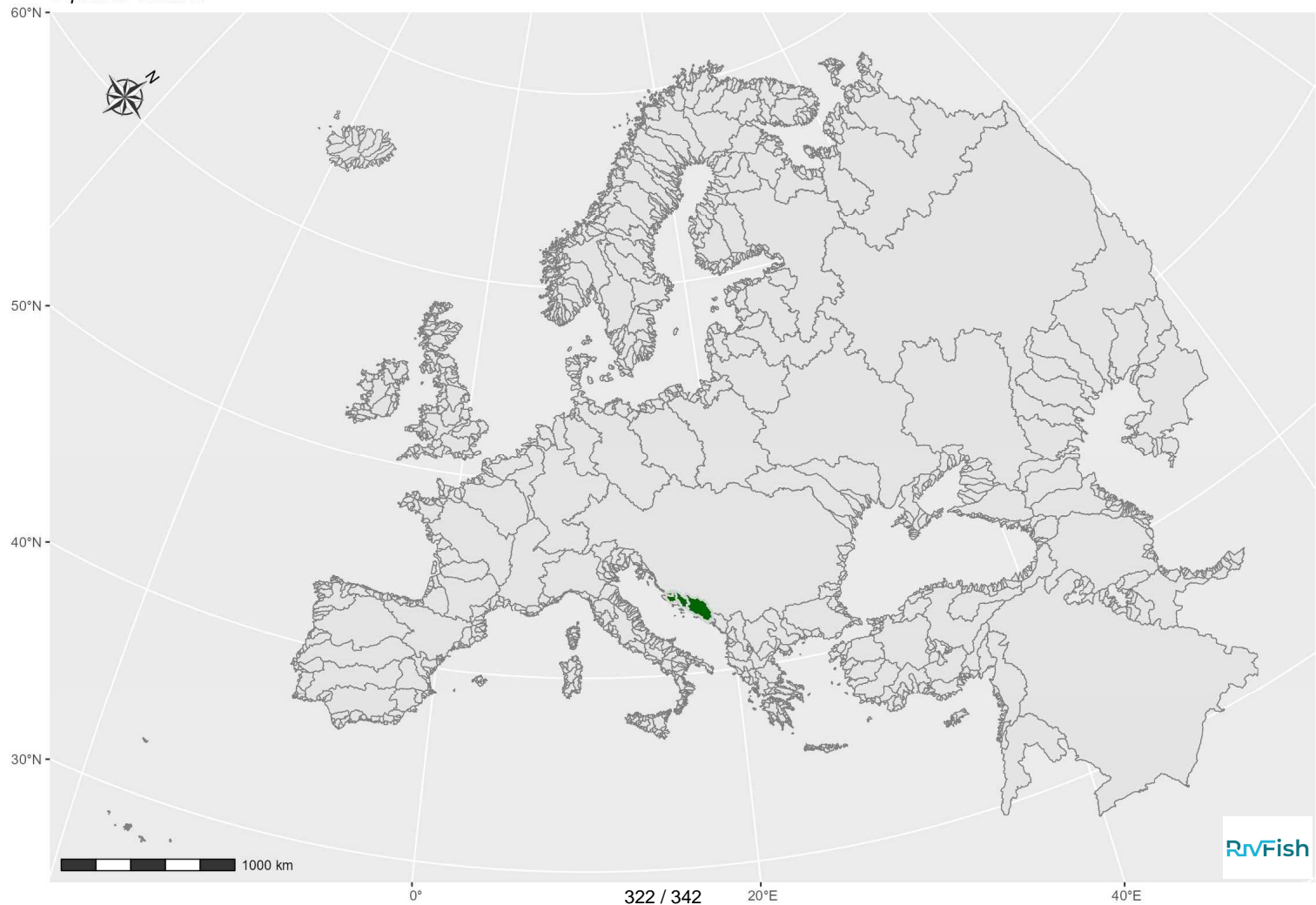
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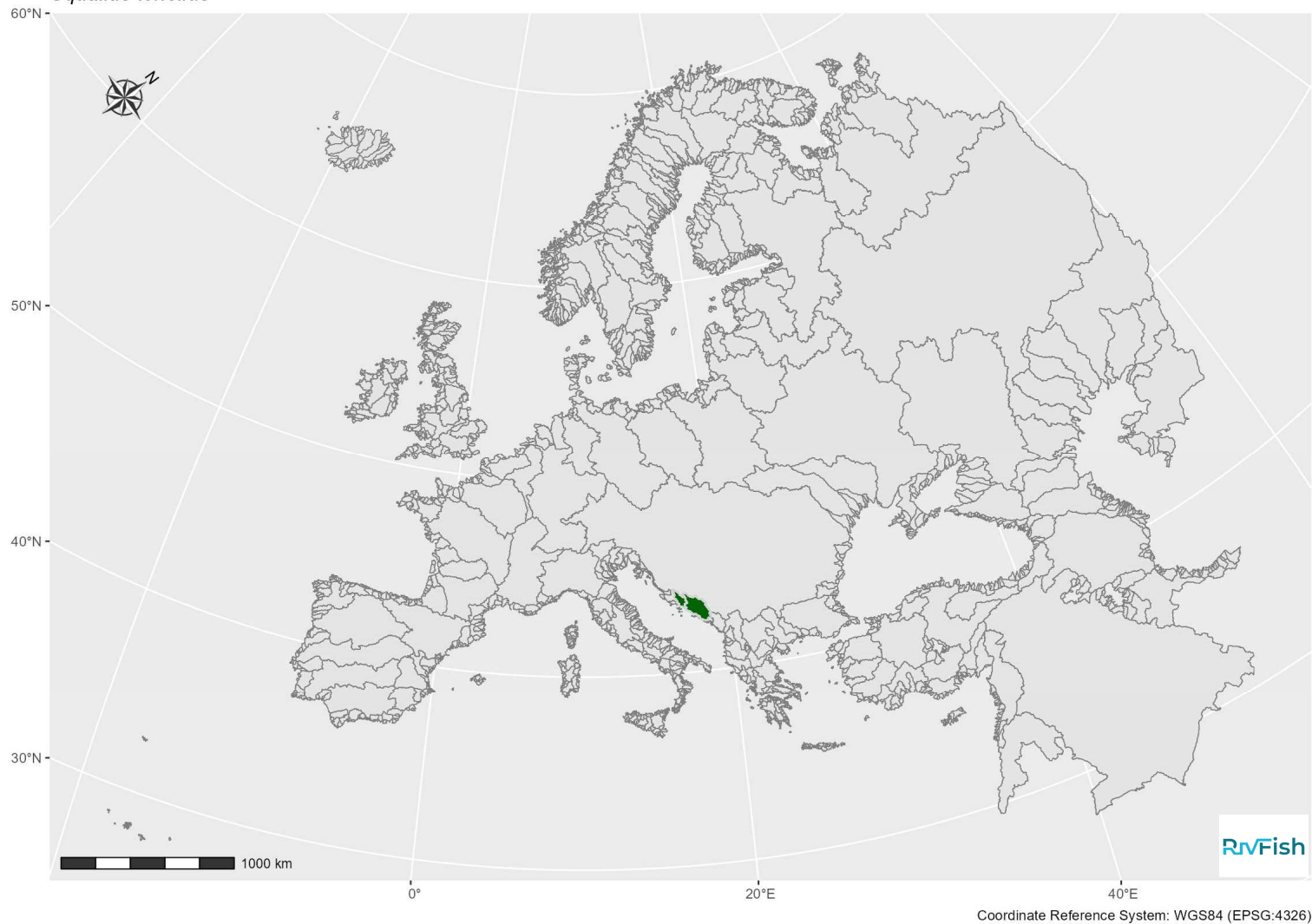
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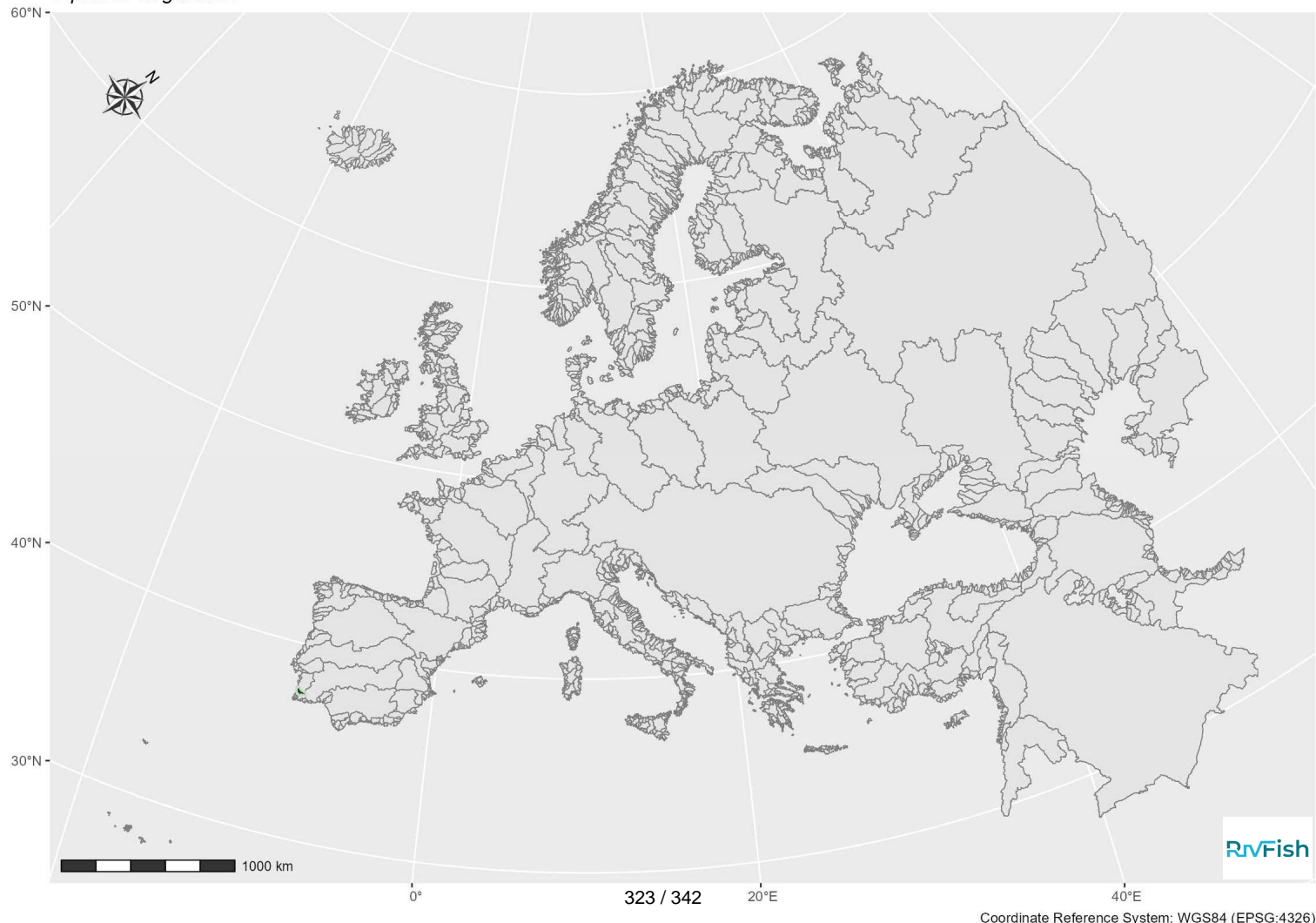
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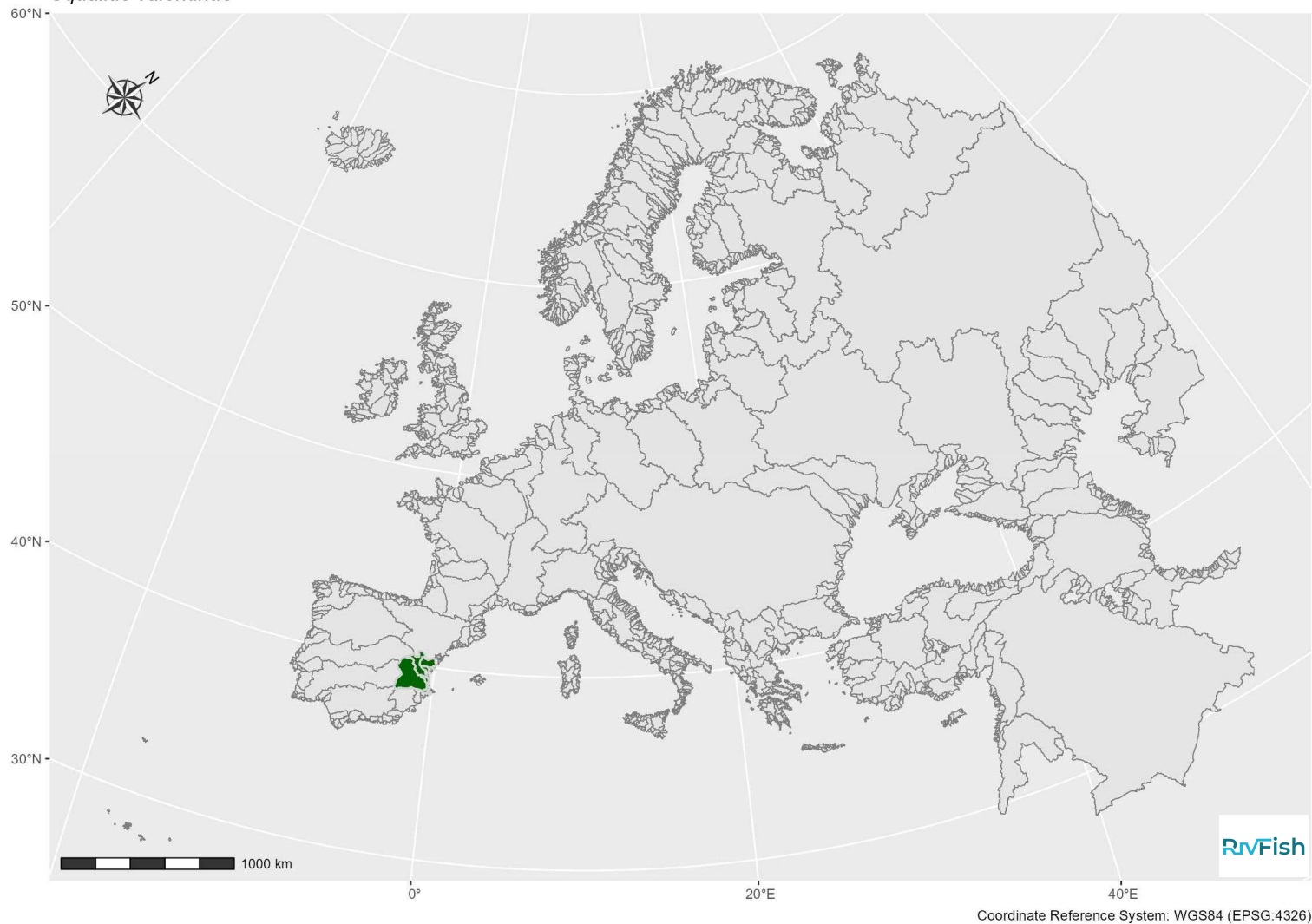
Squalius tenellus



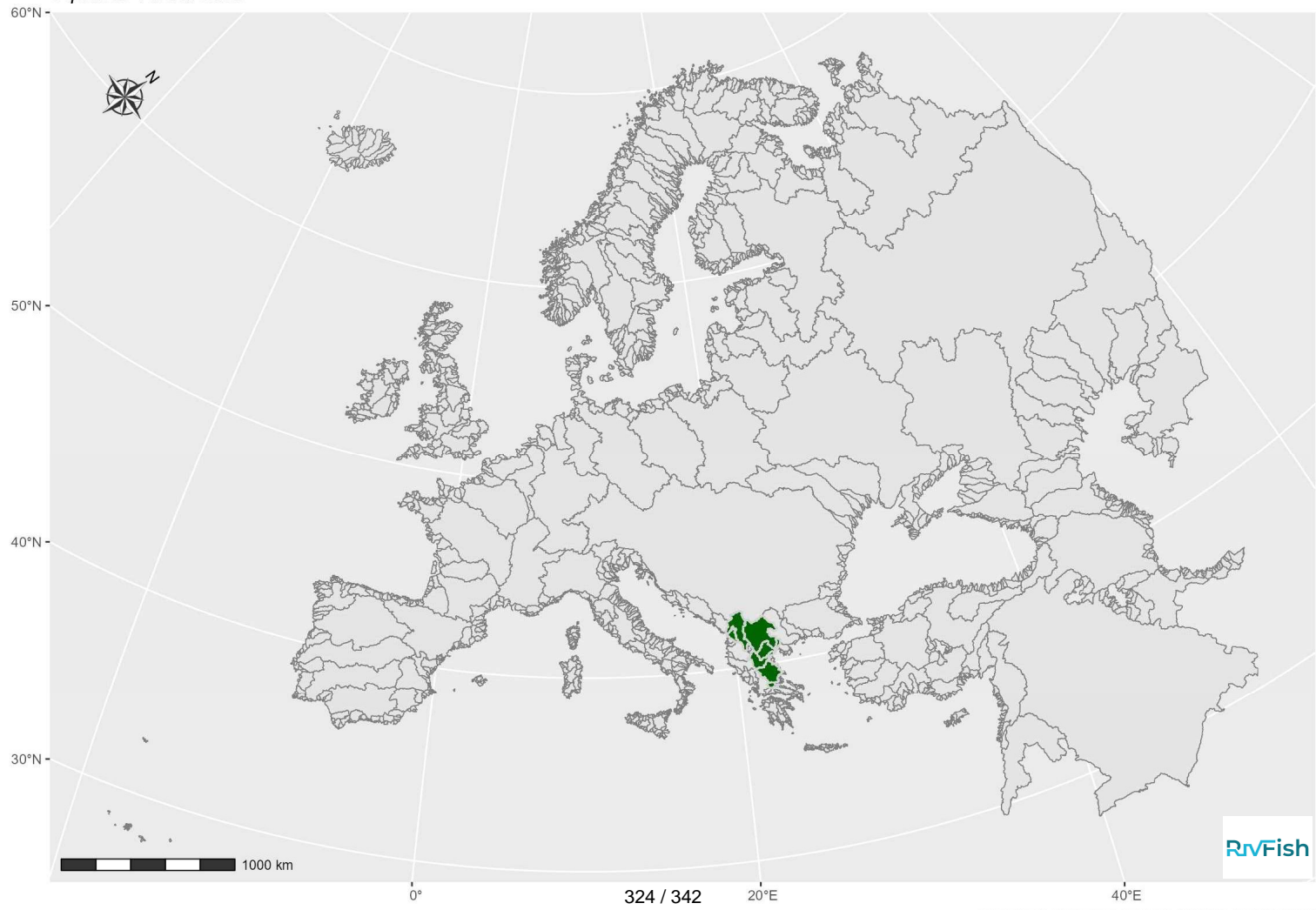
Squalius torgalensis



Squalius valentinus



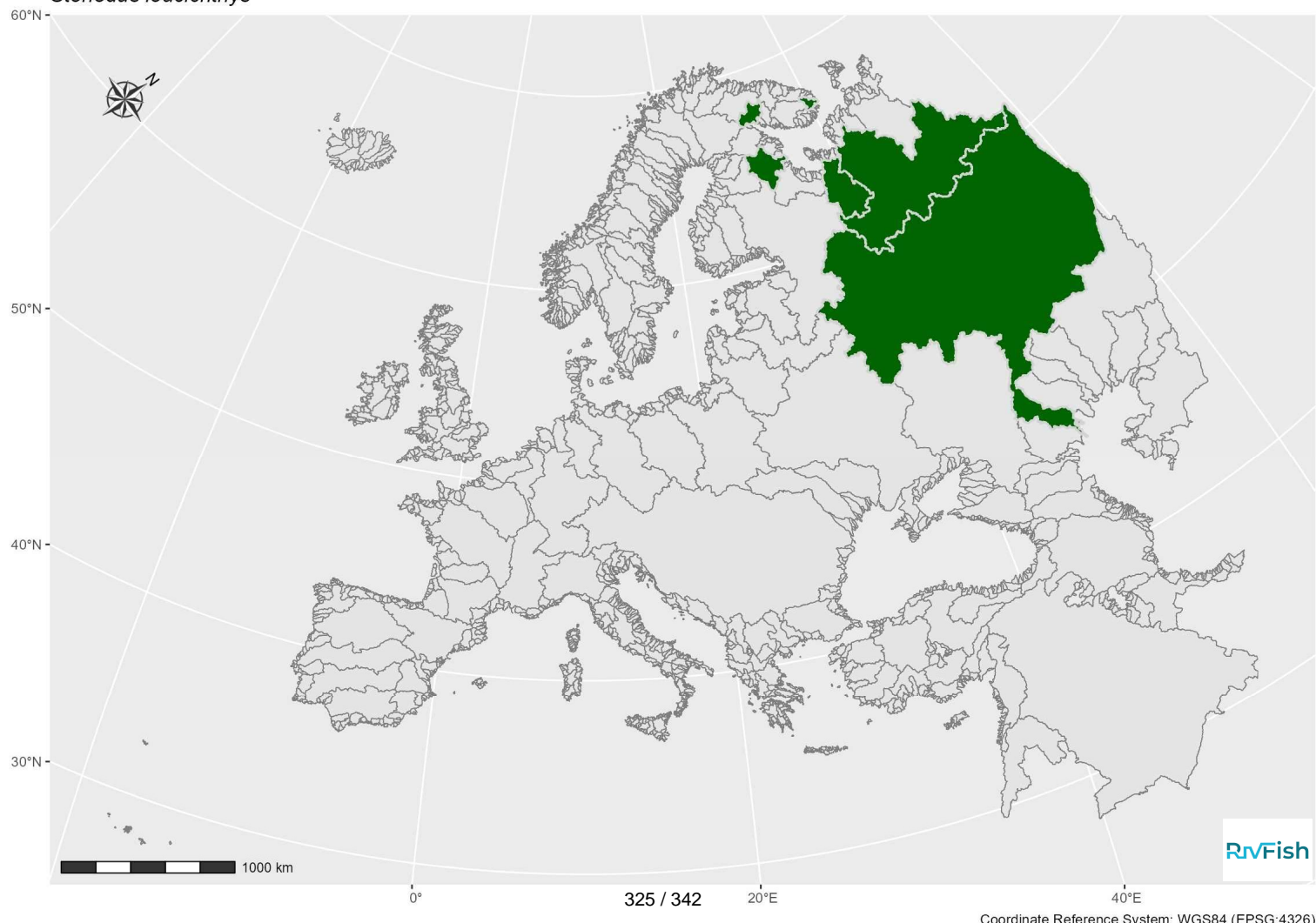
Squalius vardarensis



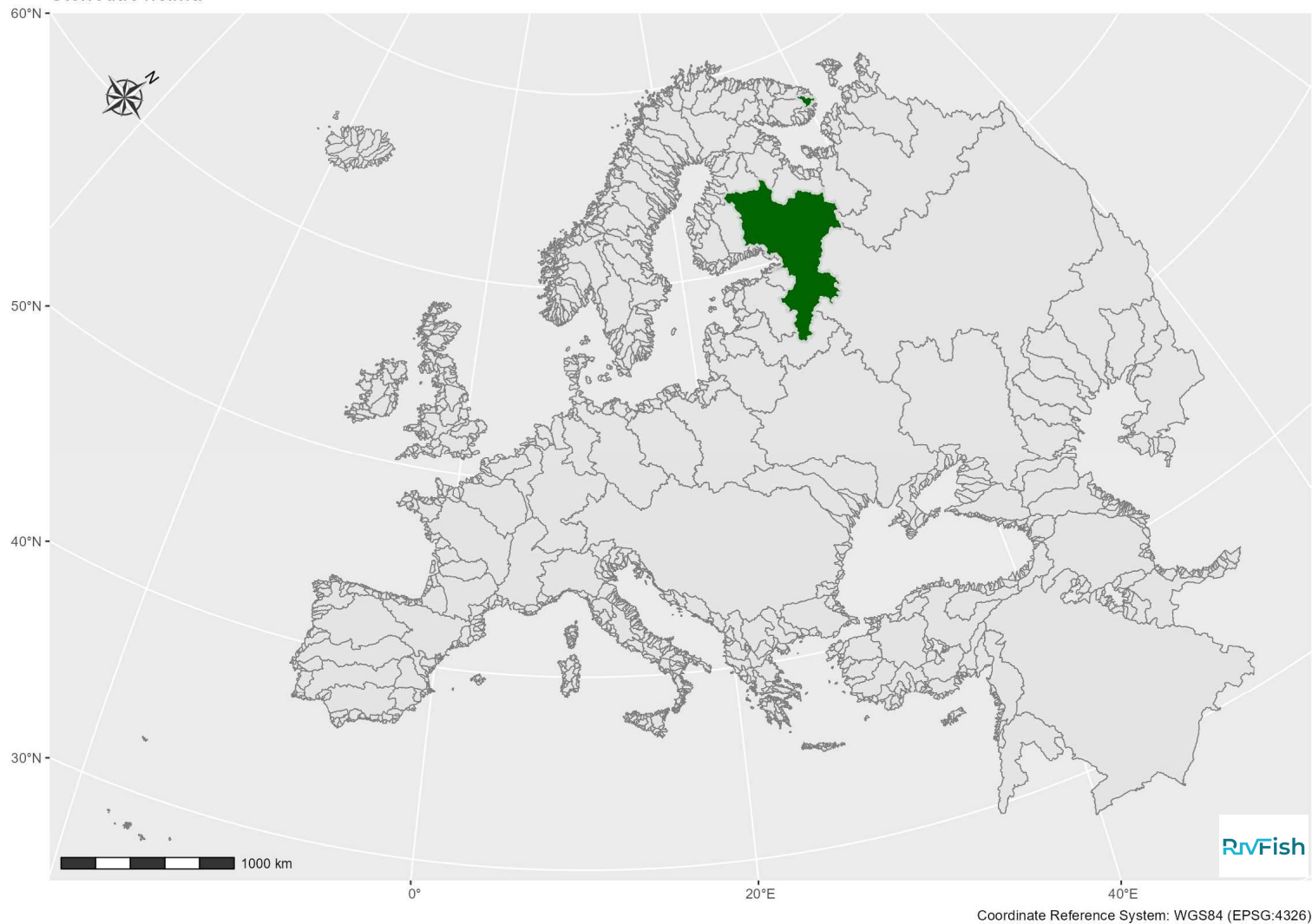
Squalius zmanjæ



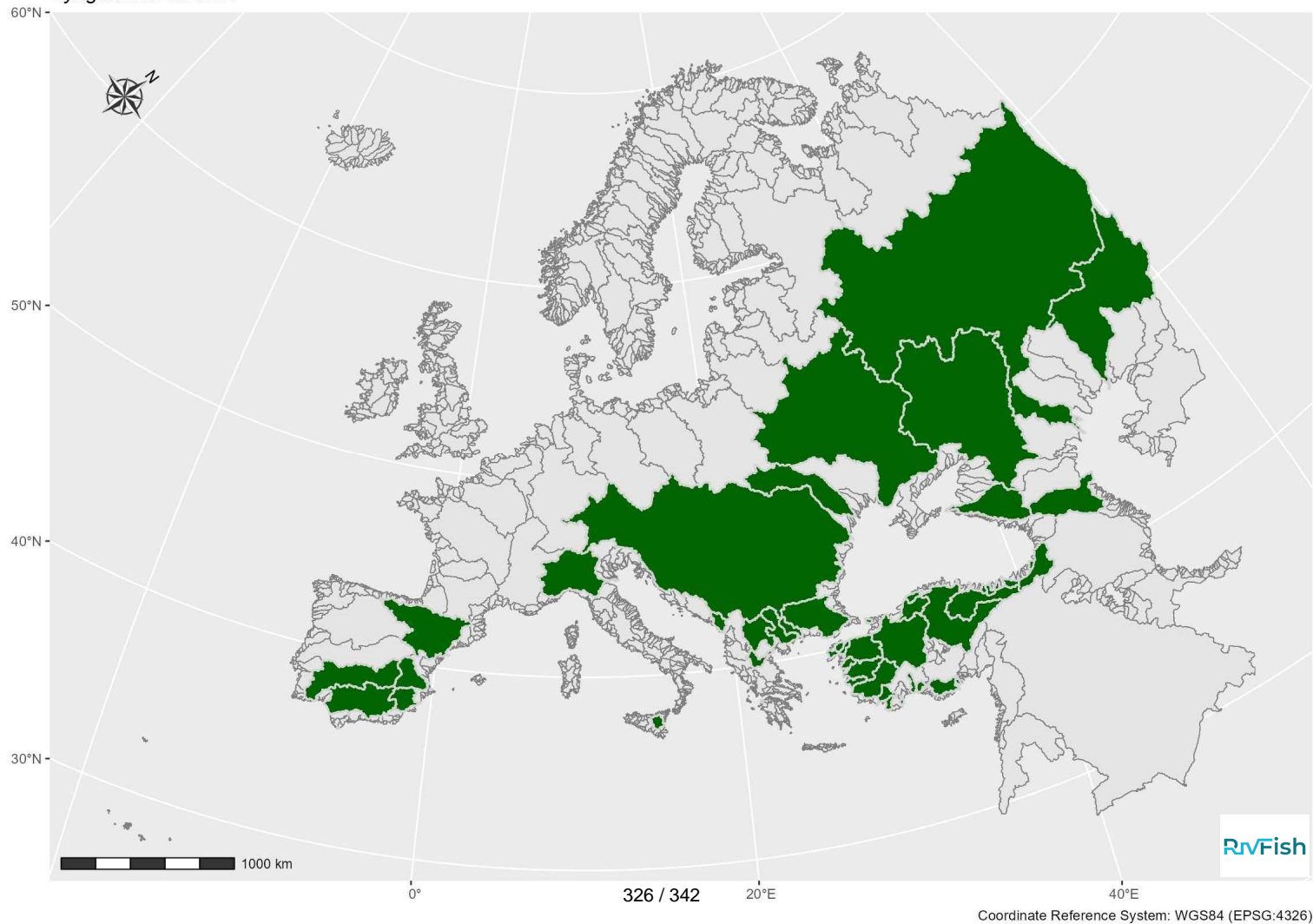
Stenodus leucichthys



Stenodus nelma



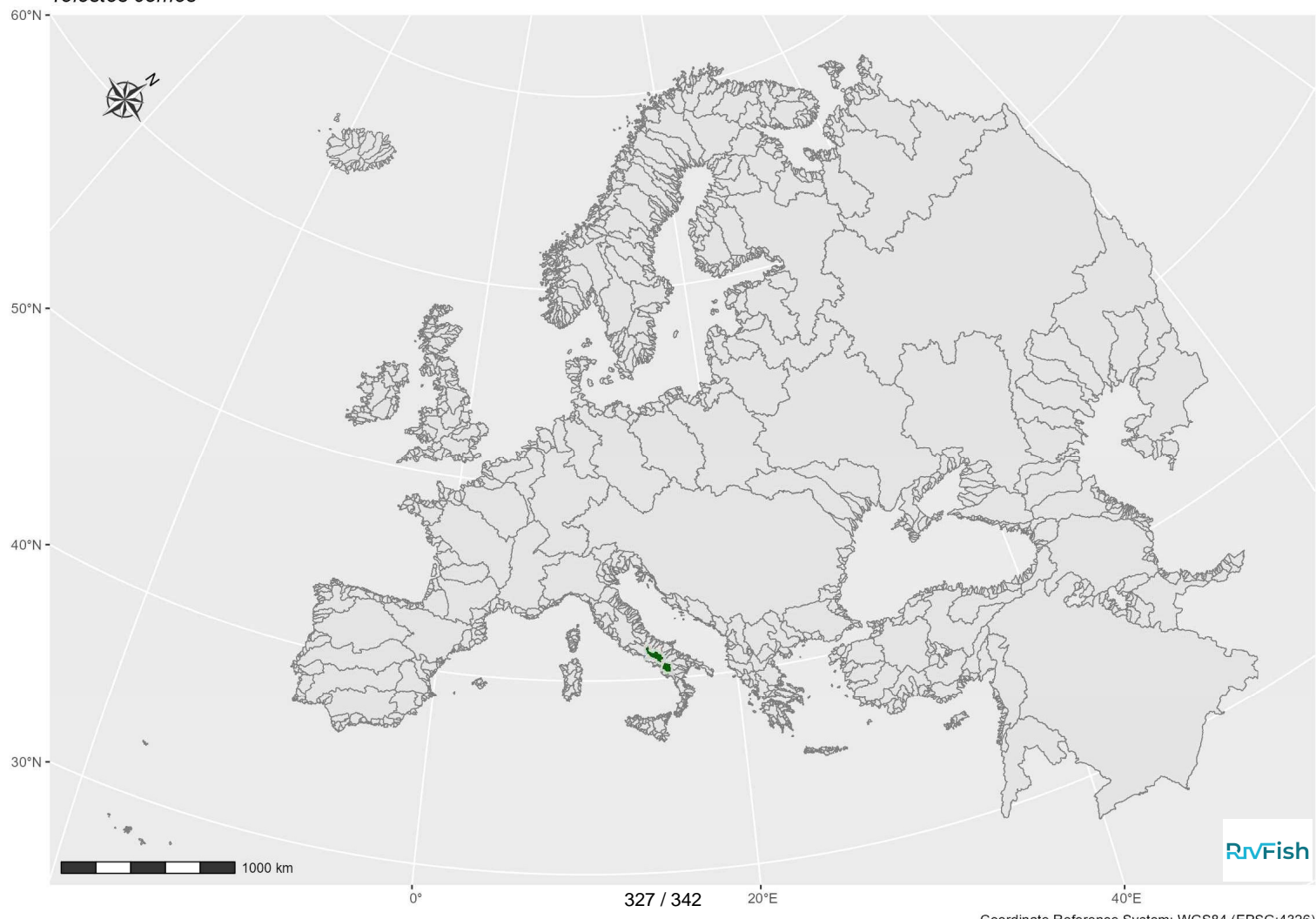
Syngnathus abaster



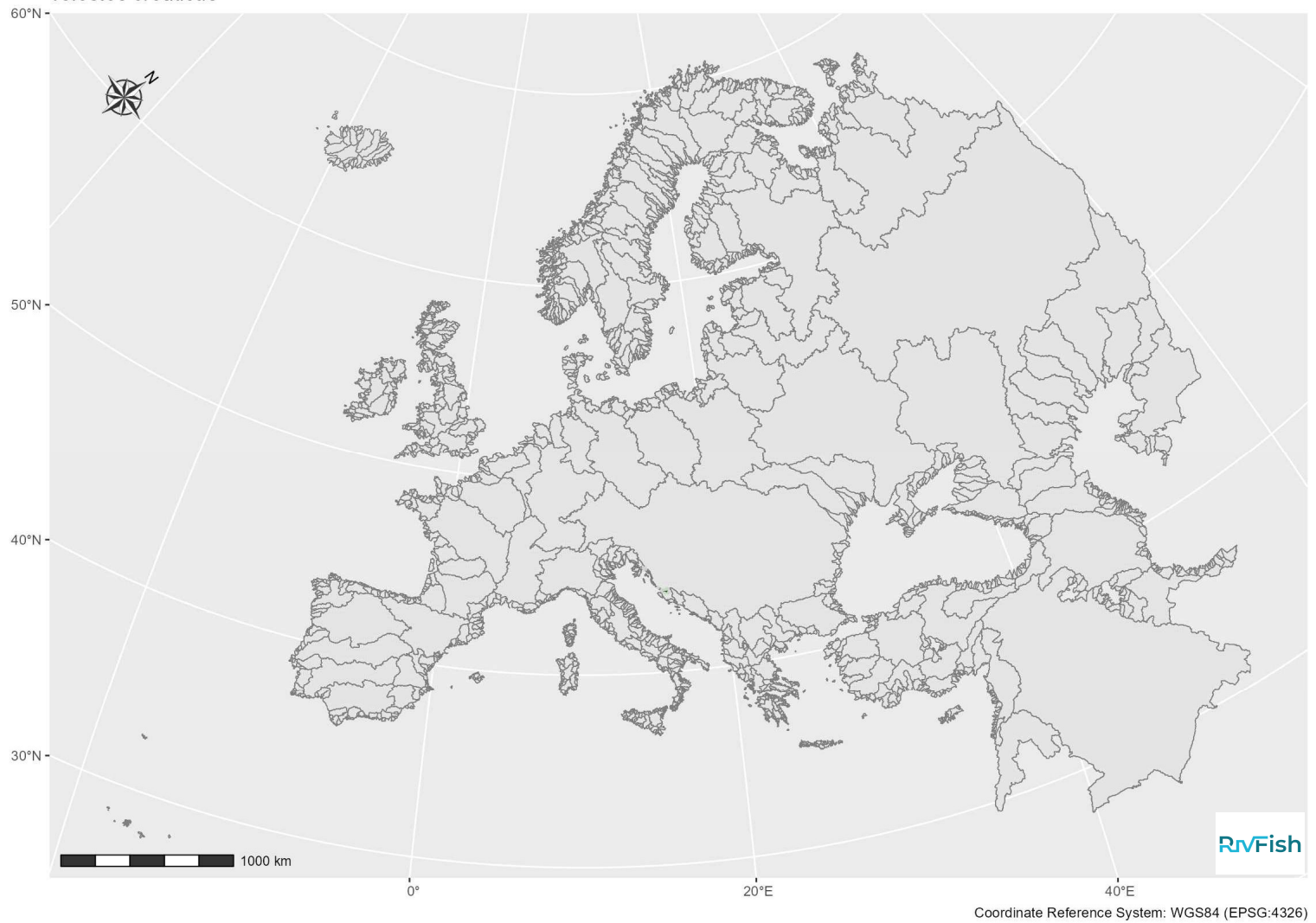
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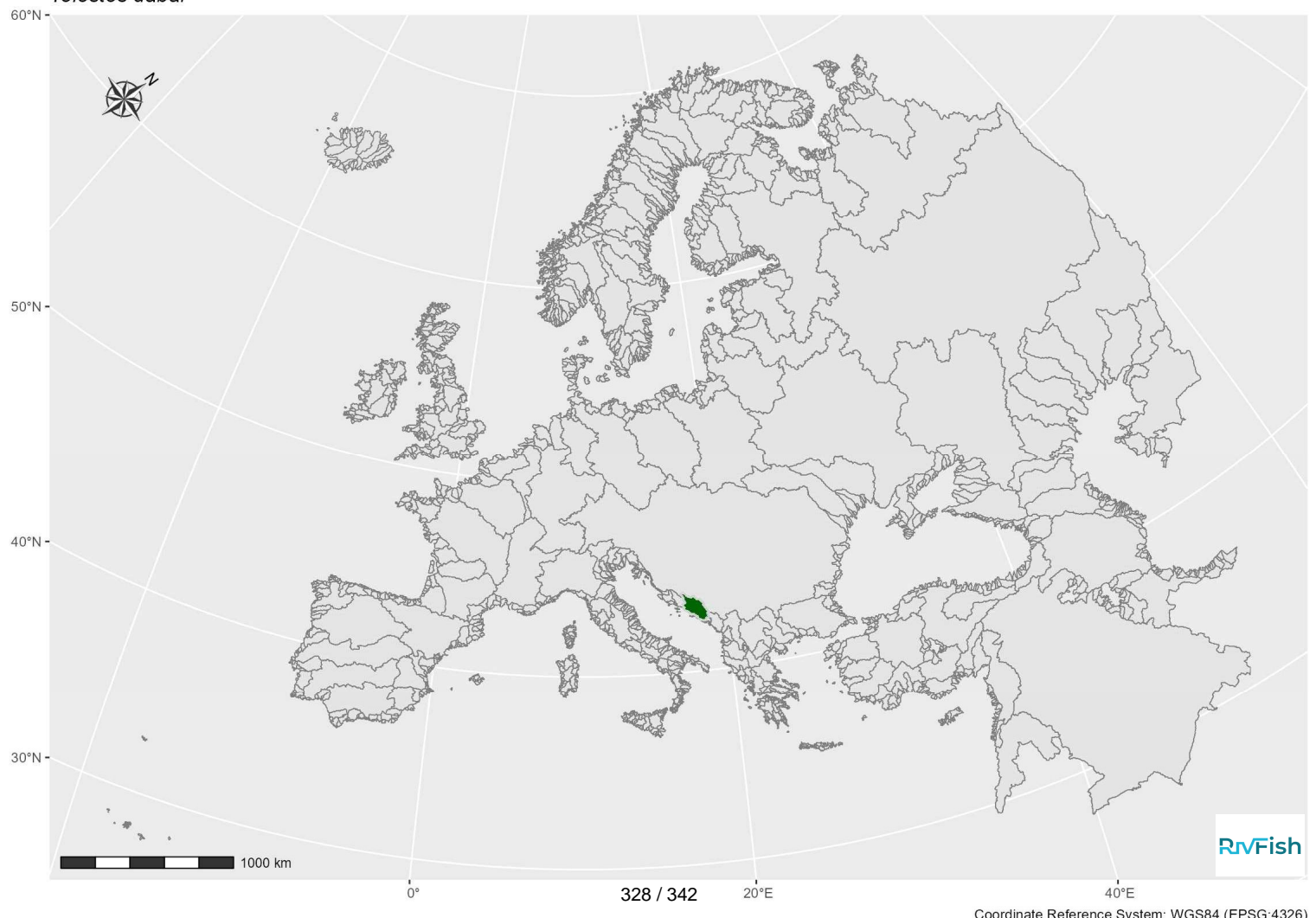
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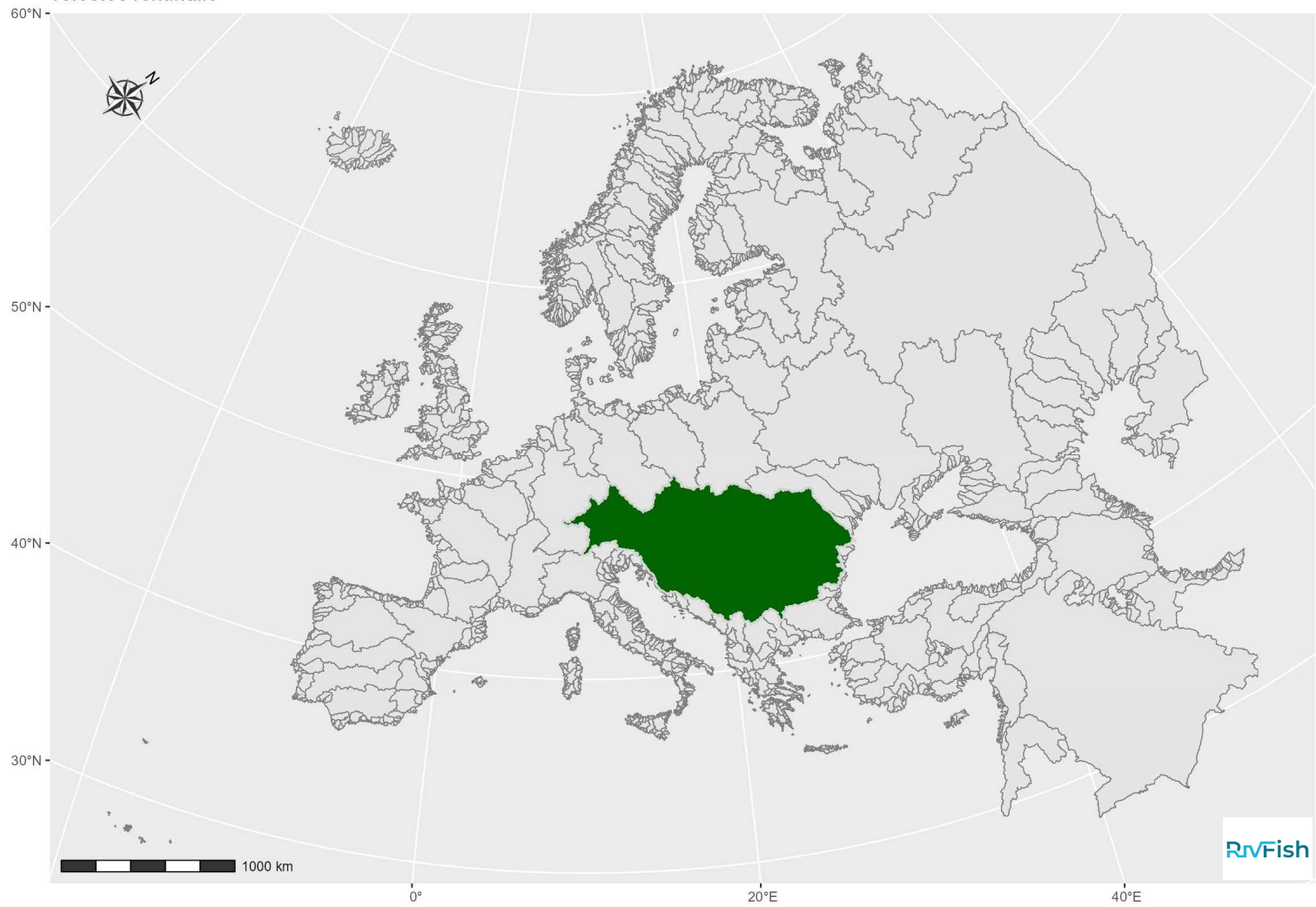
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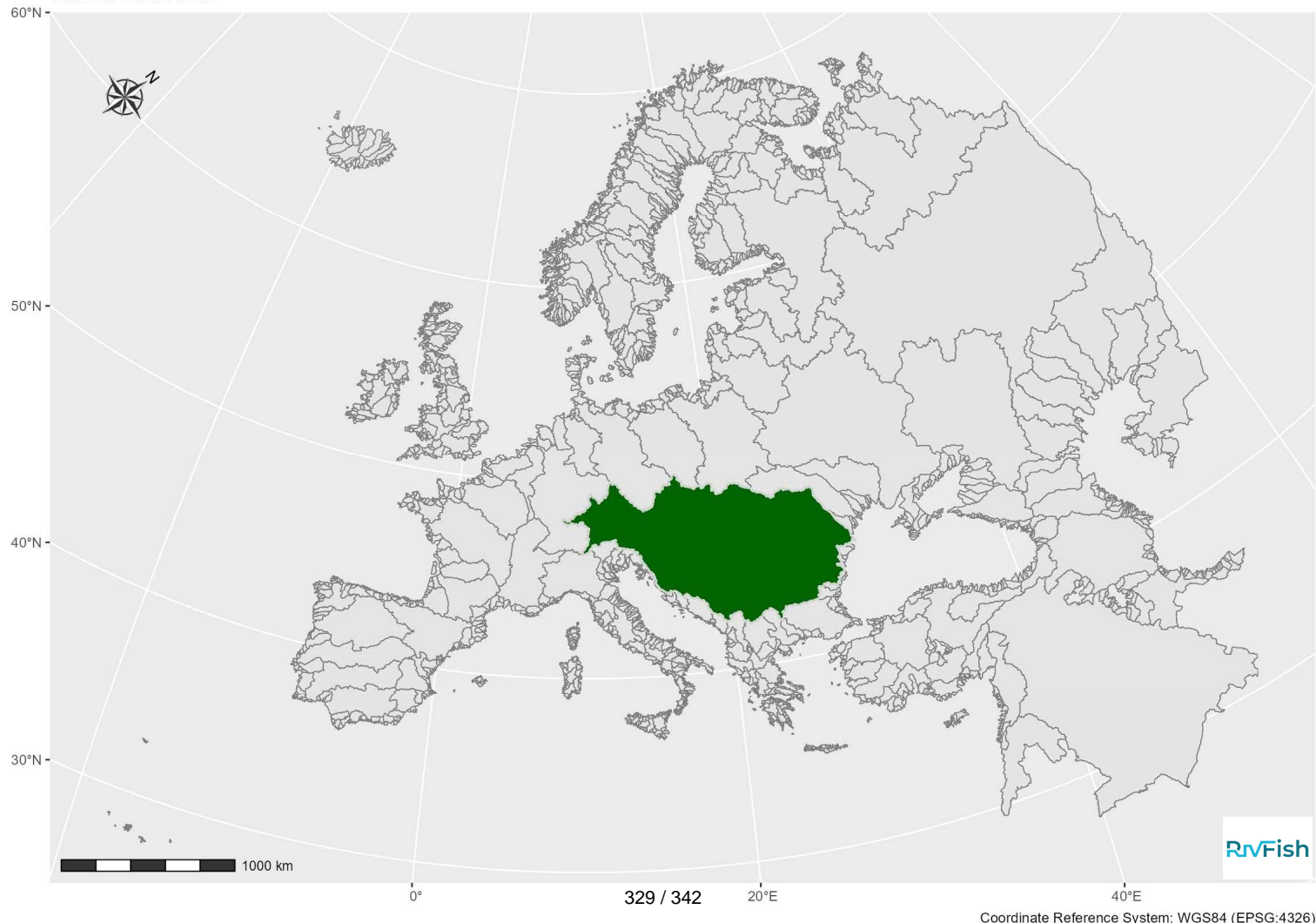
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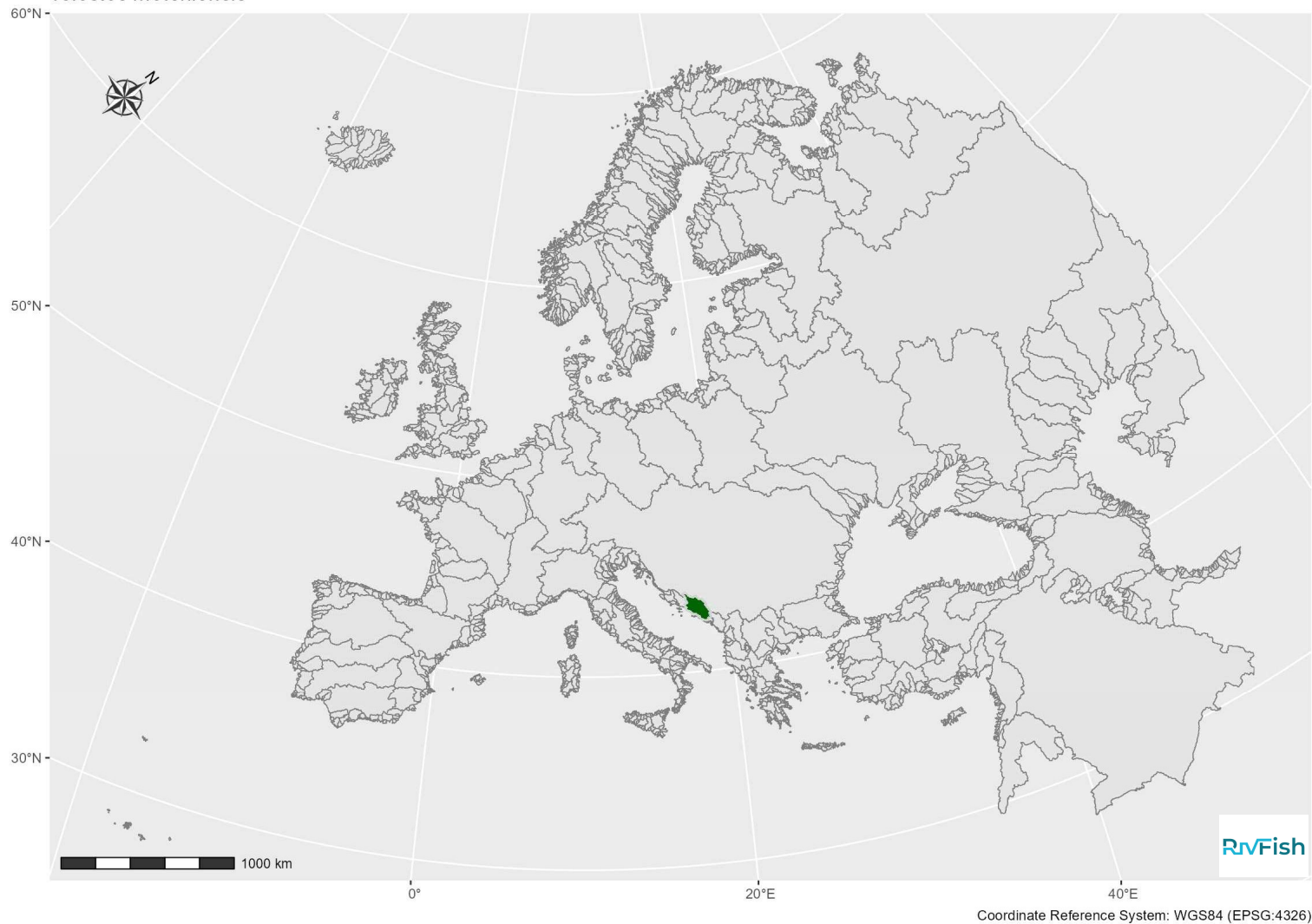
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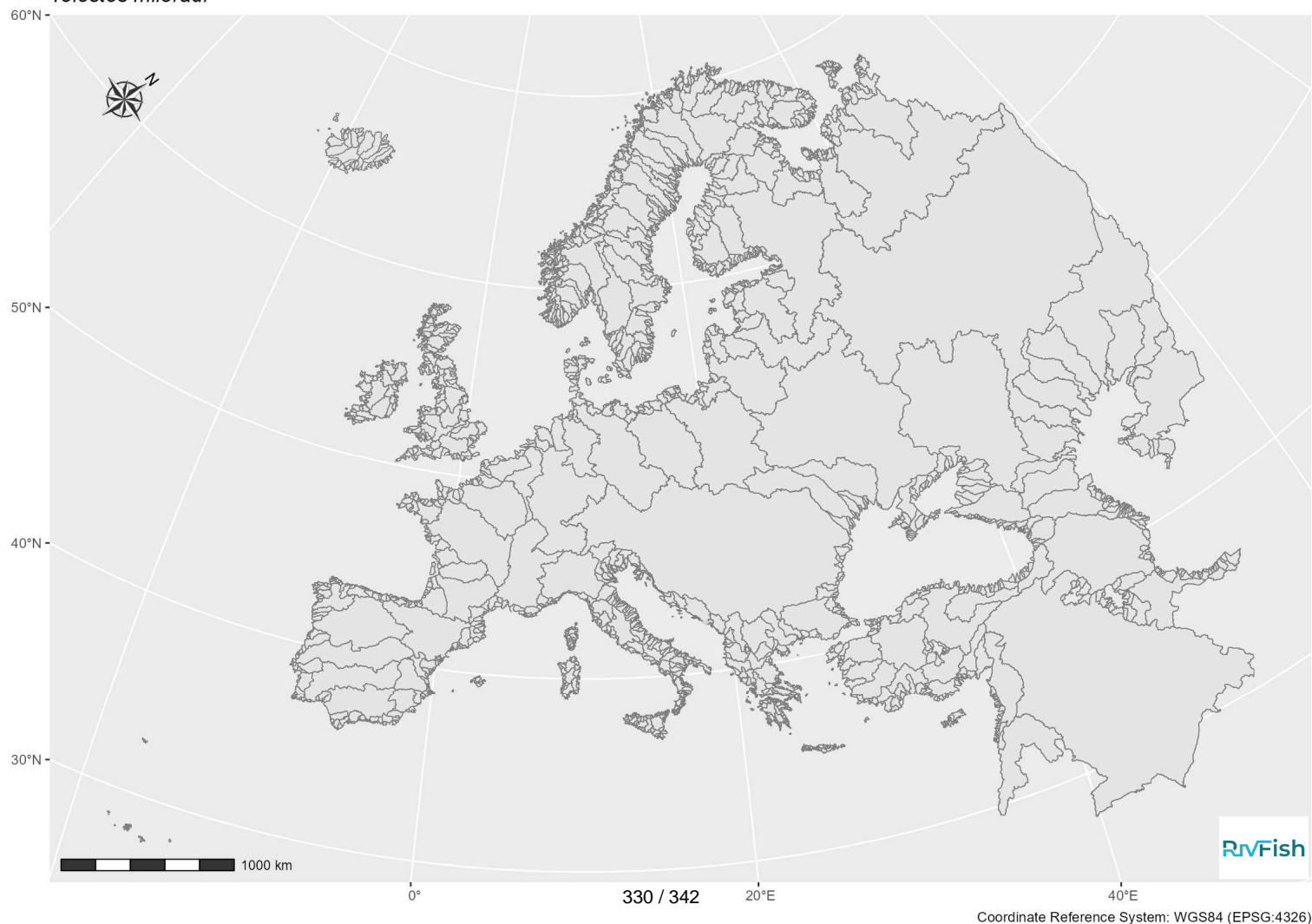
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Telestes metohiensis



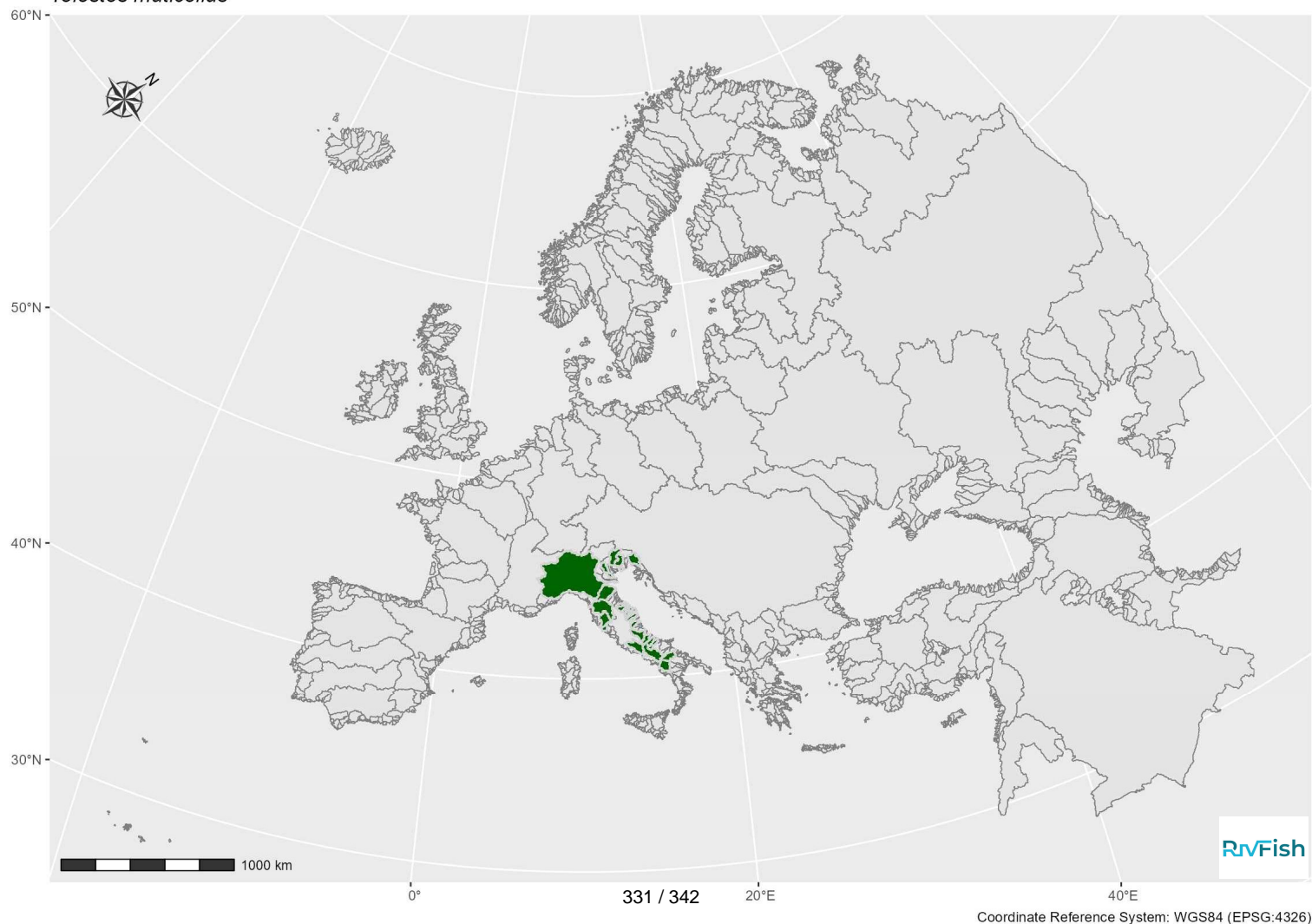
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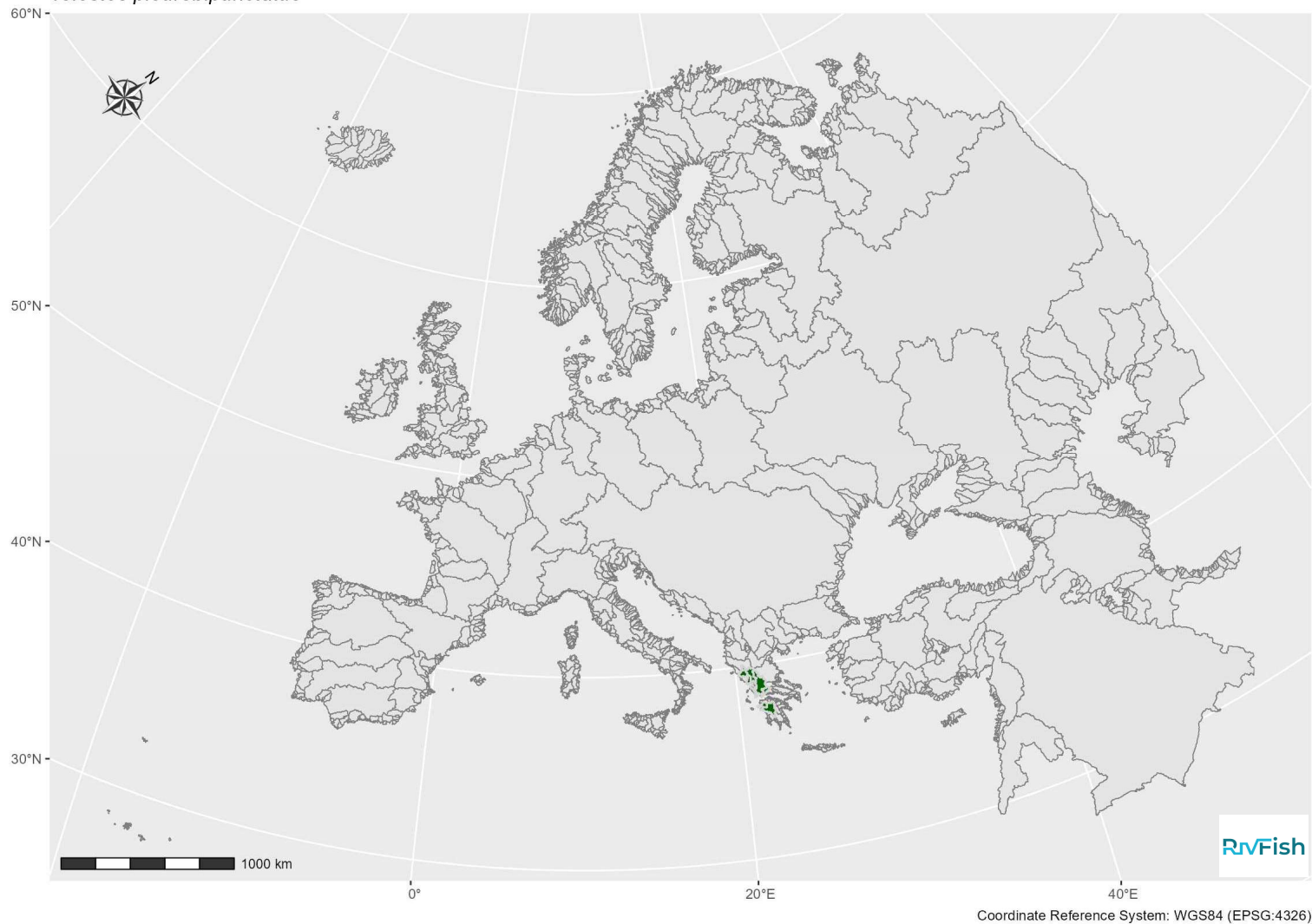
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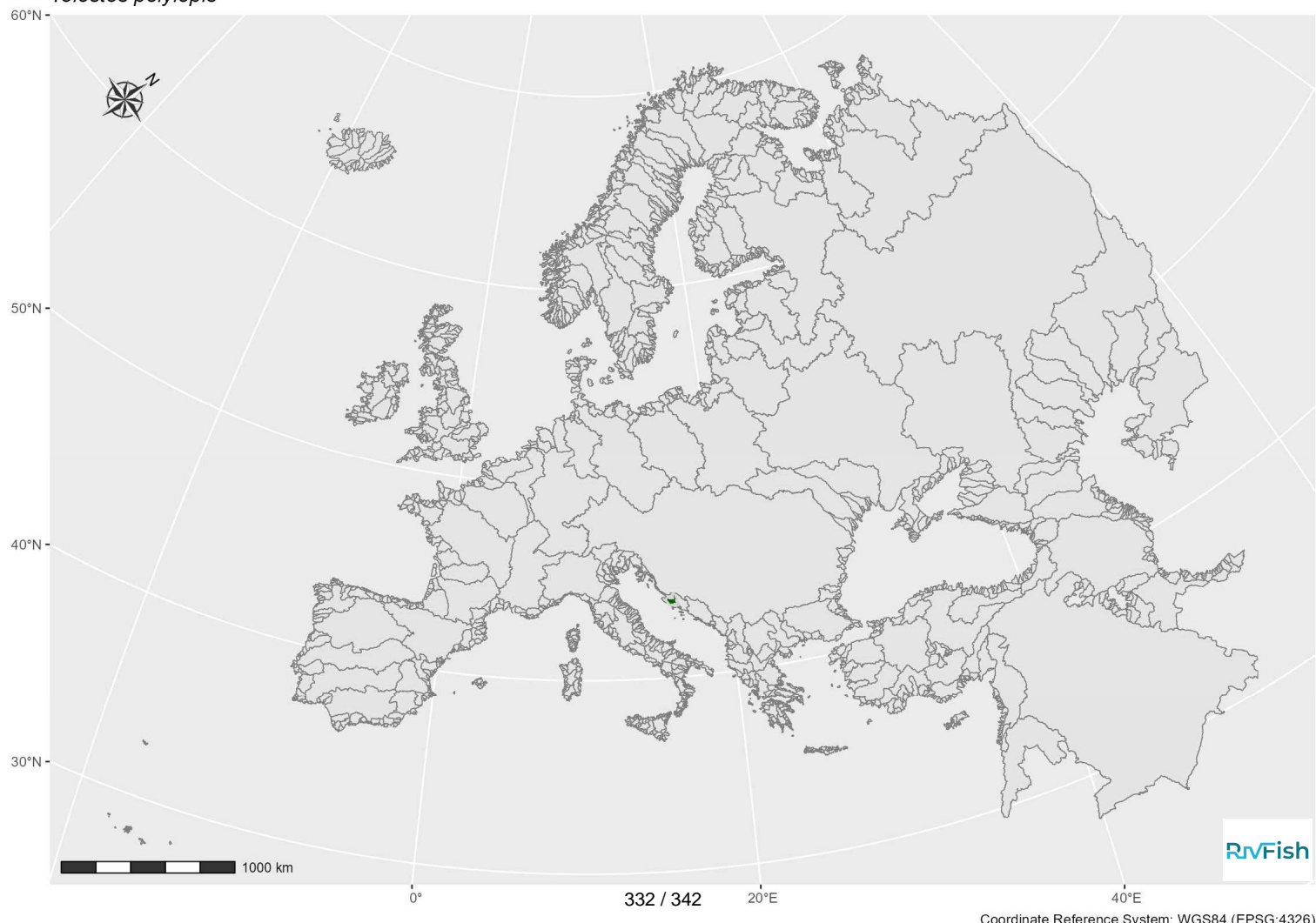
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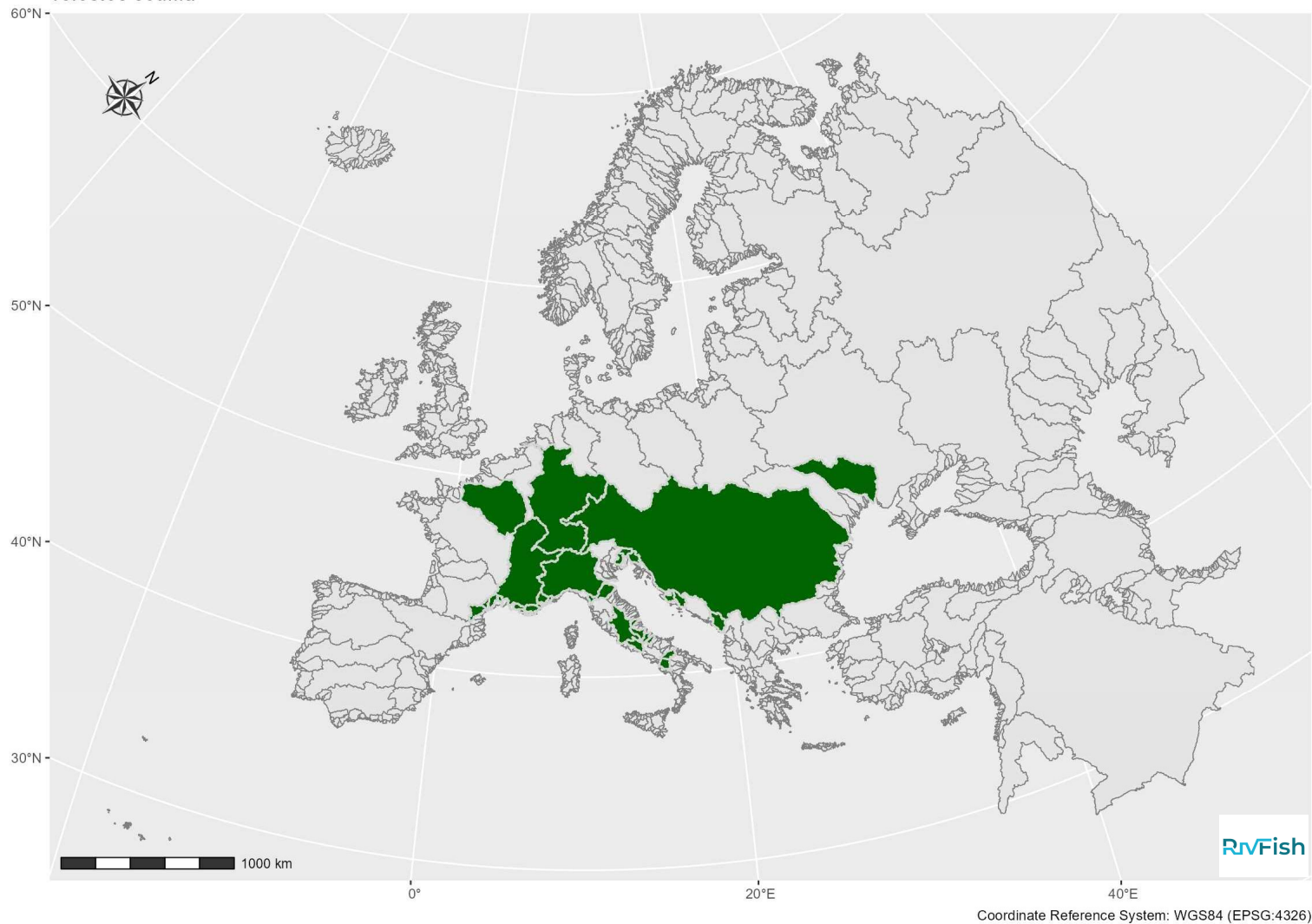
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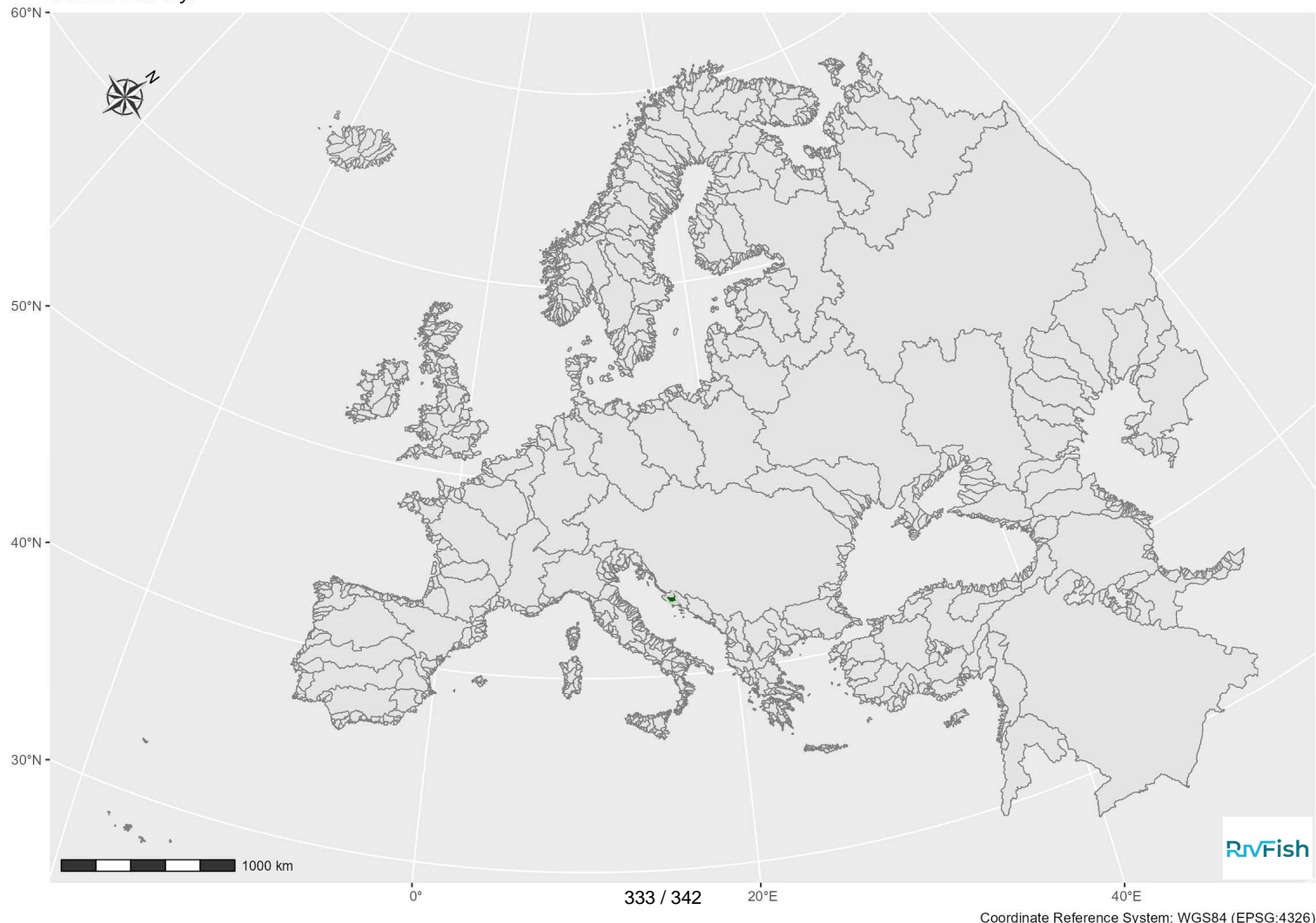
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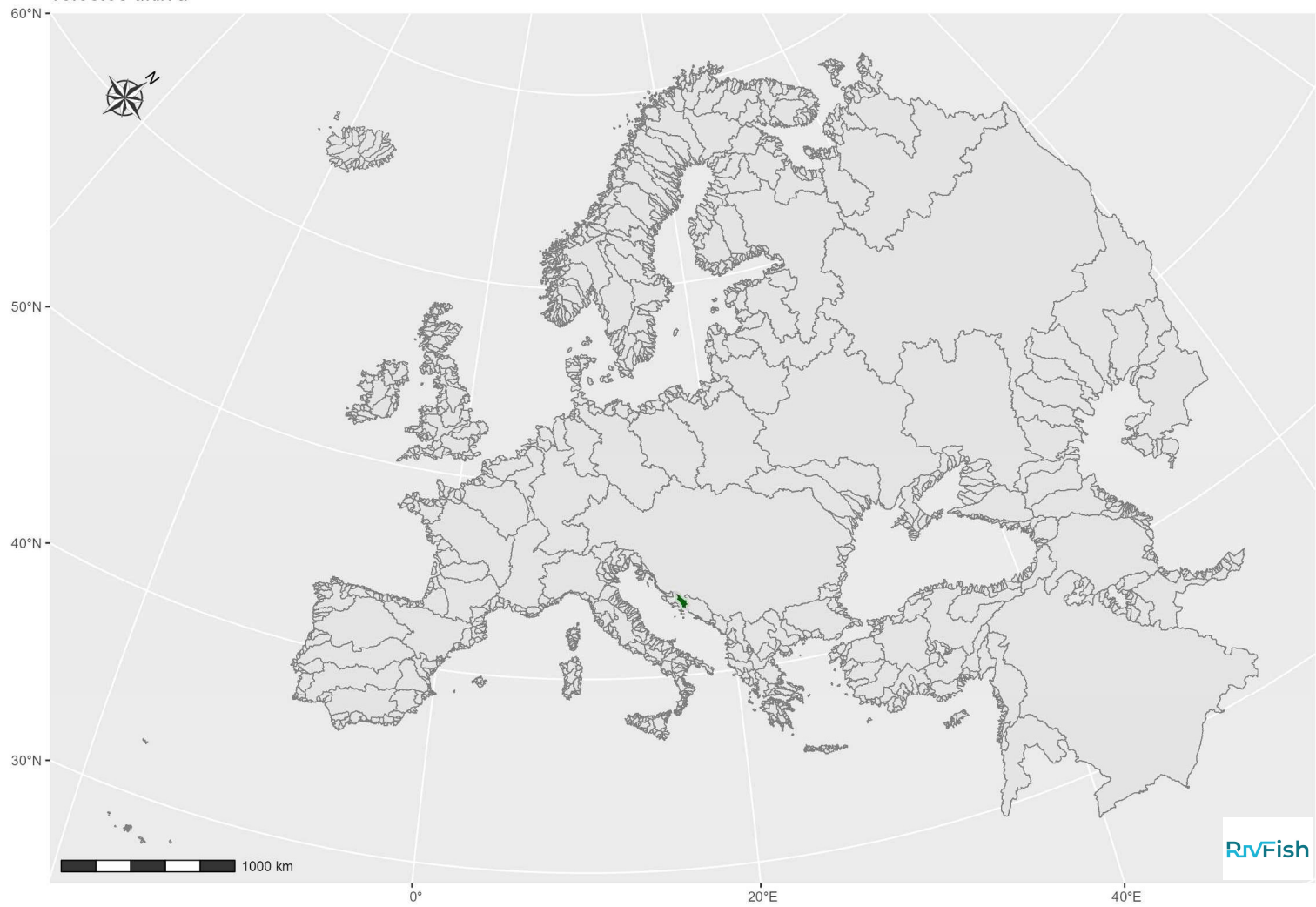
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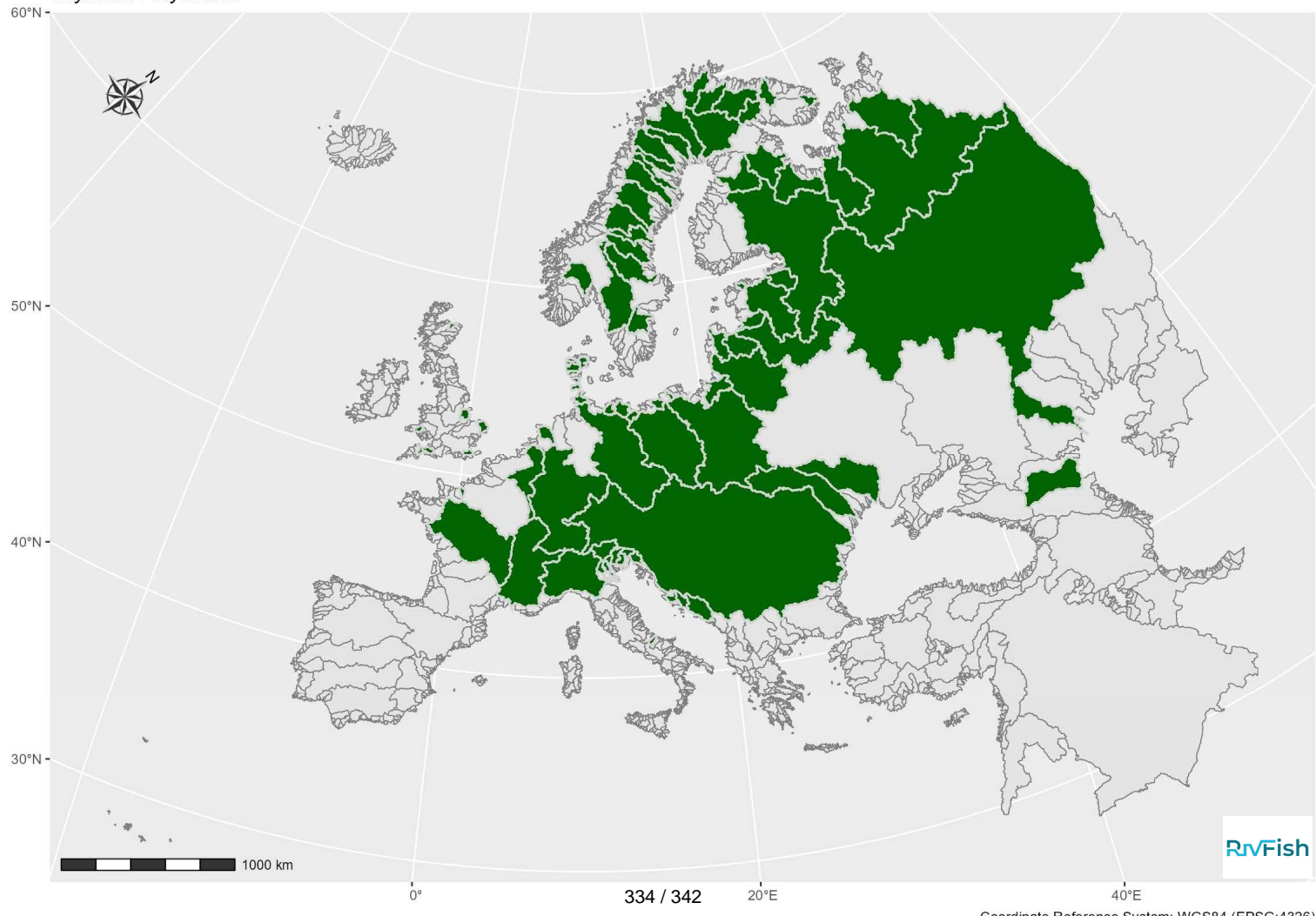
Telestes turskyi



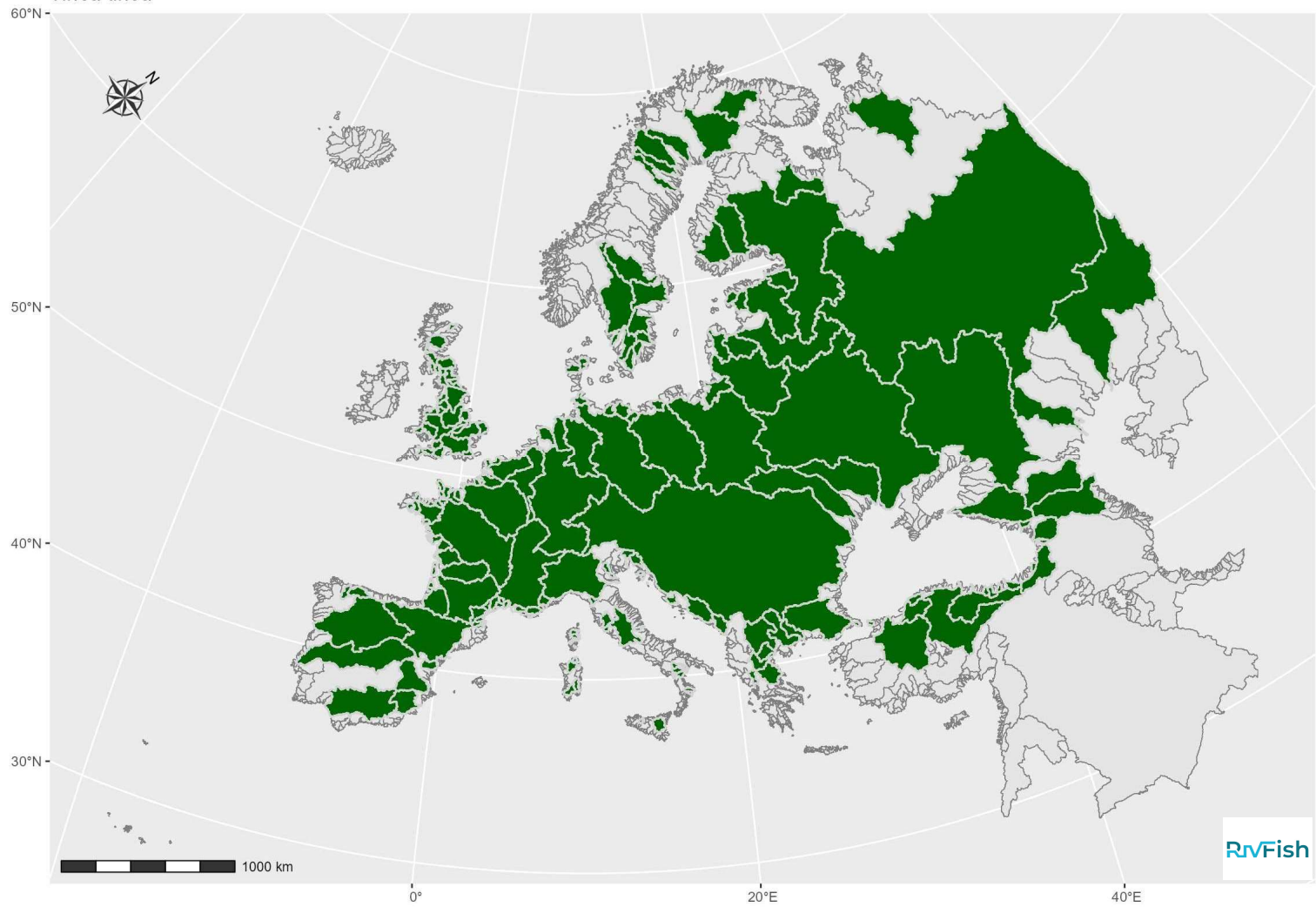
Telestes ukliva



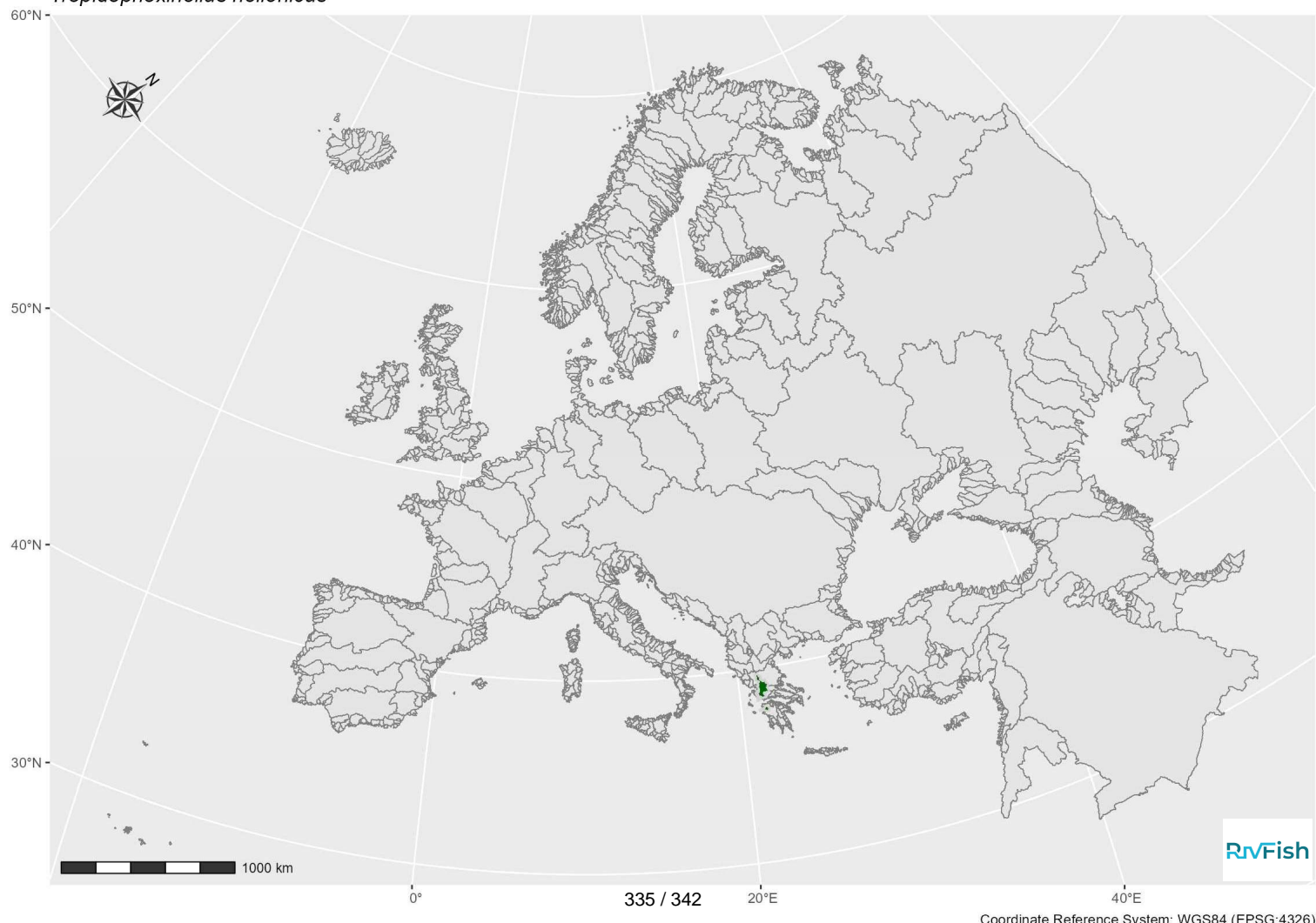
Thymallus thymallus



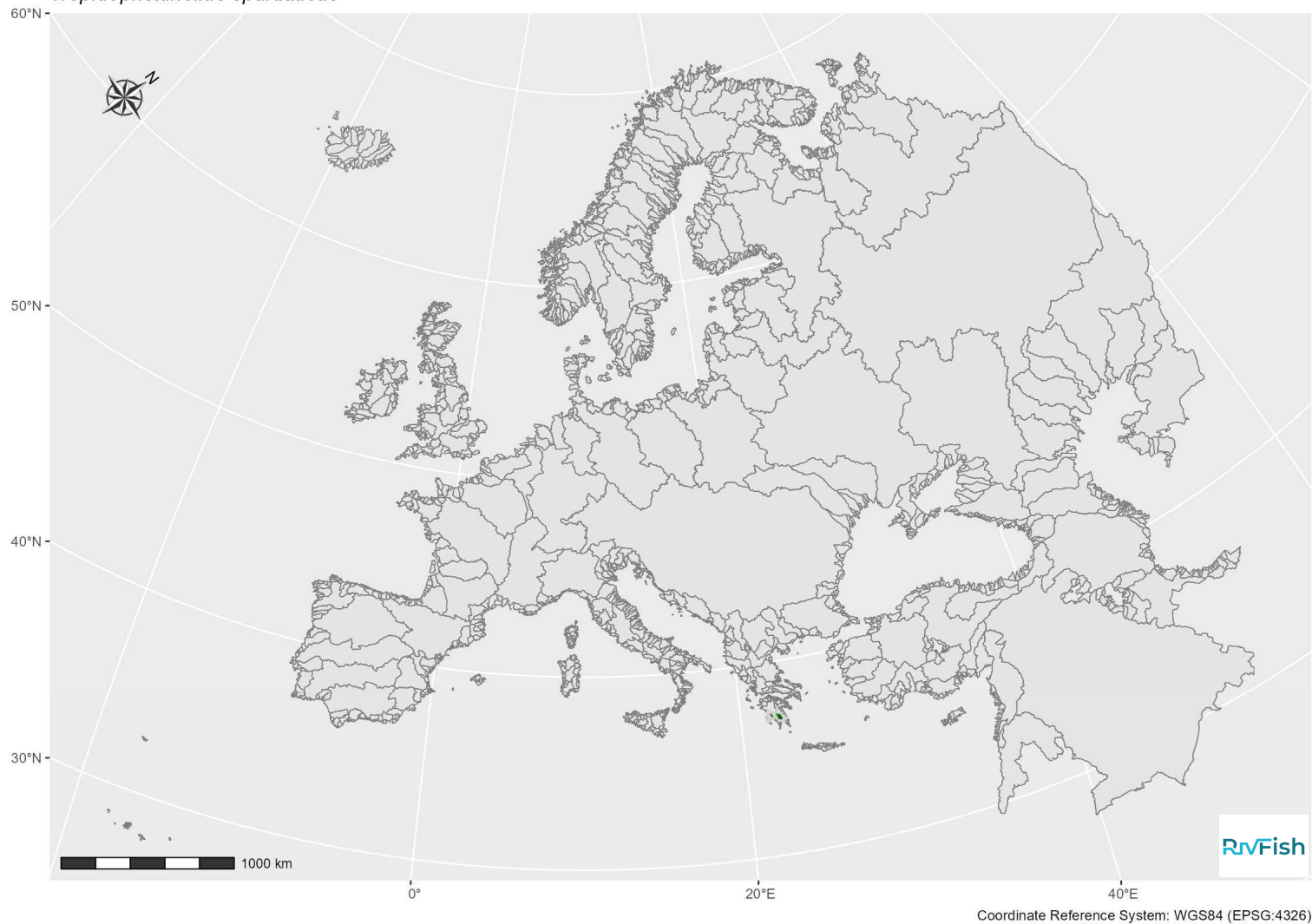
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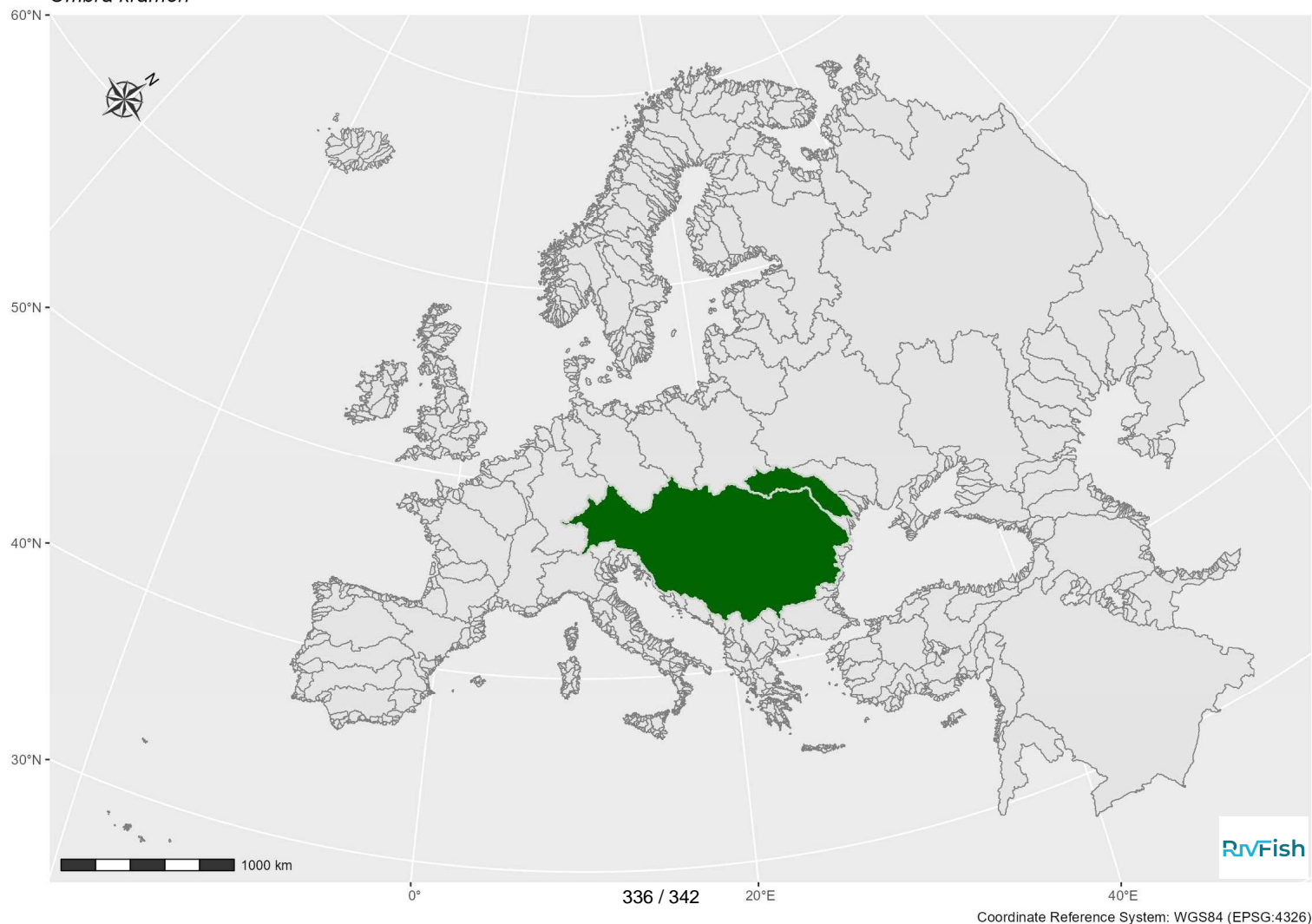
Tropidophoxinellus hellenicus



Tropidophoxinellus spartiaticus



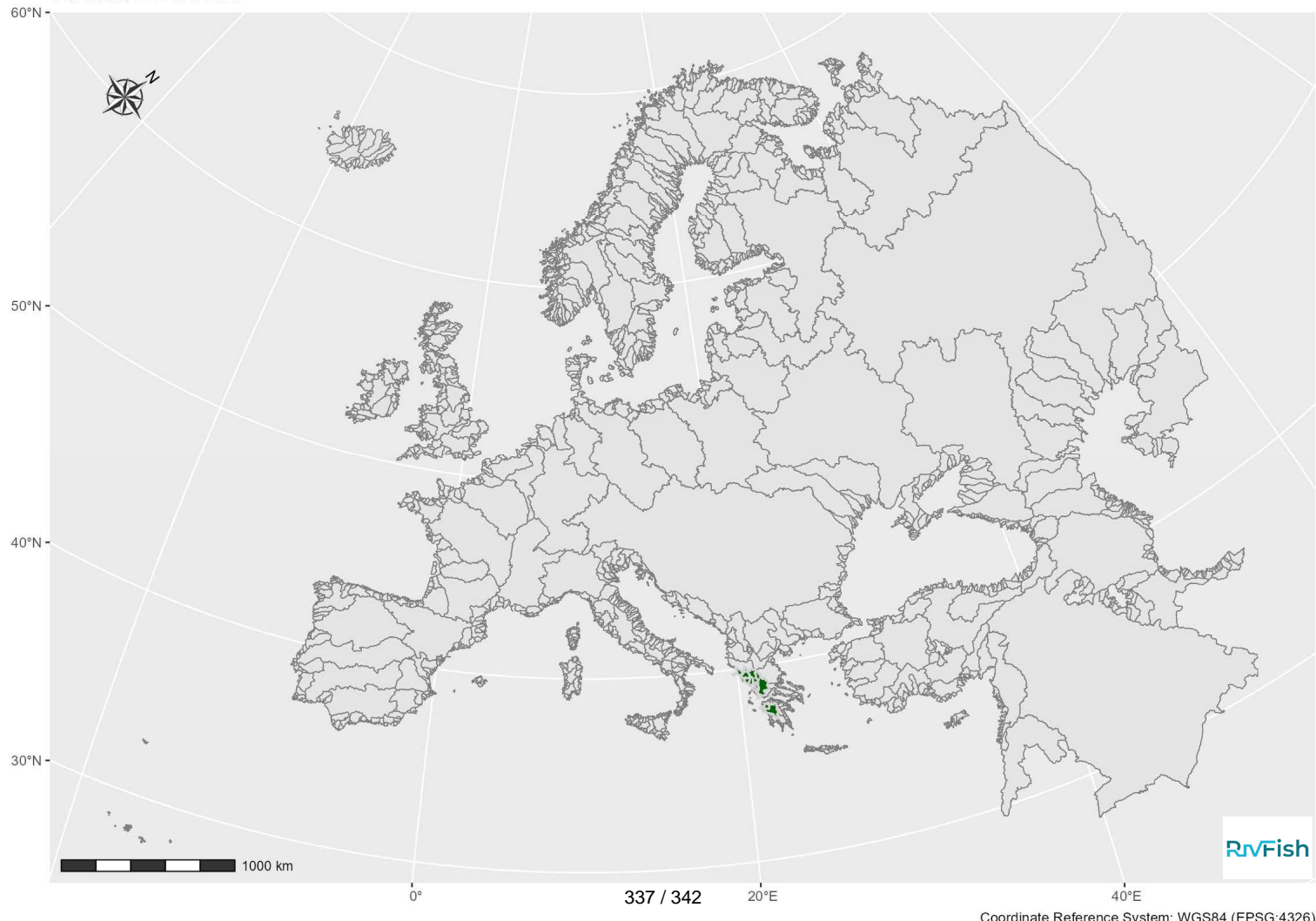
Umbra krameri



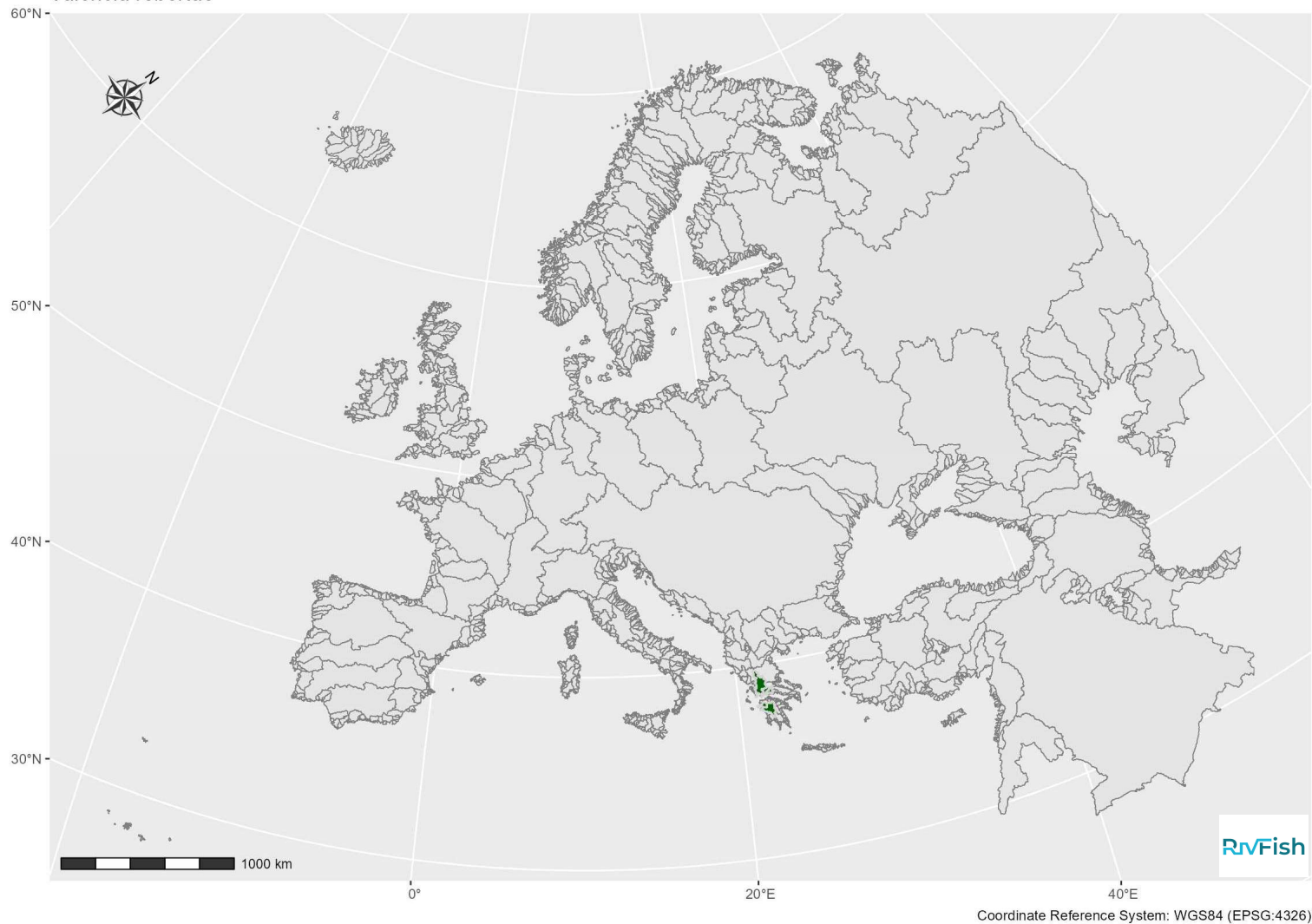
Valencia hispanica



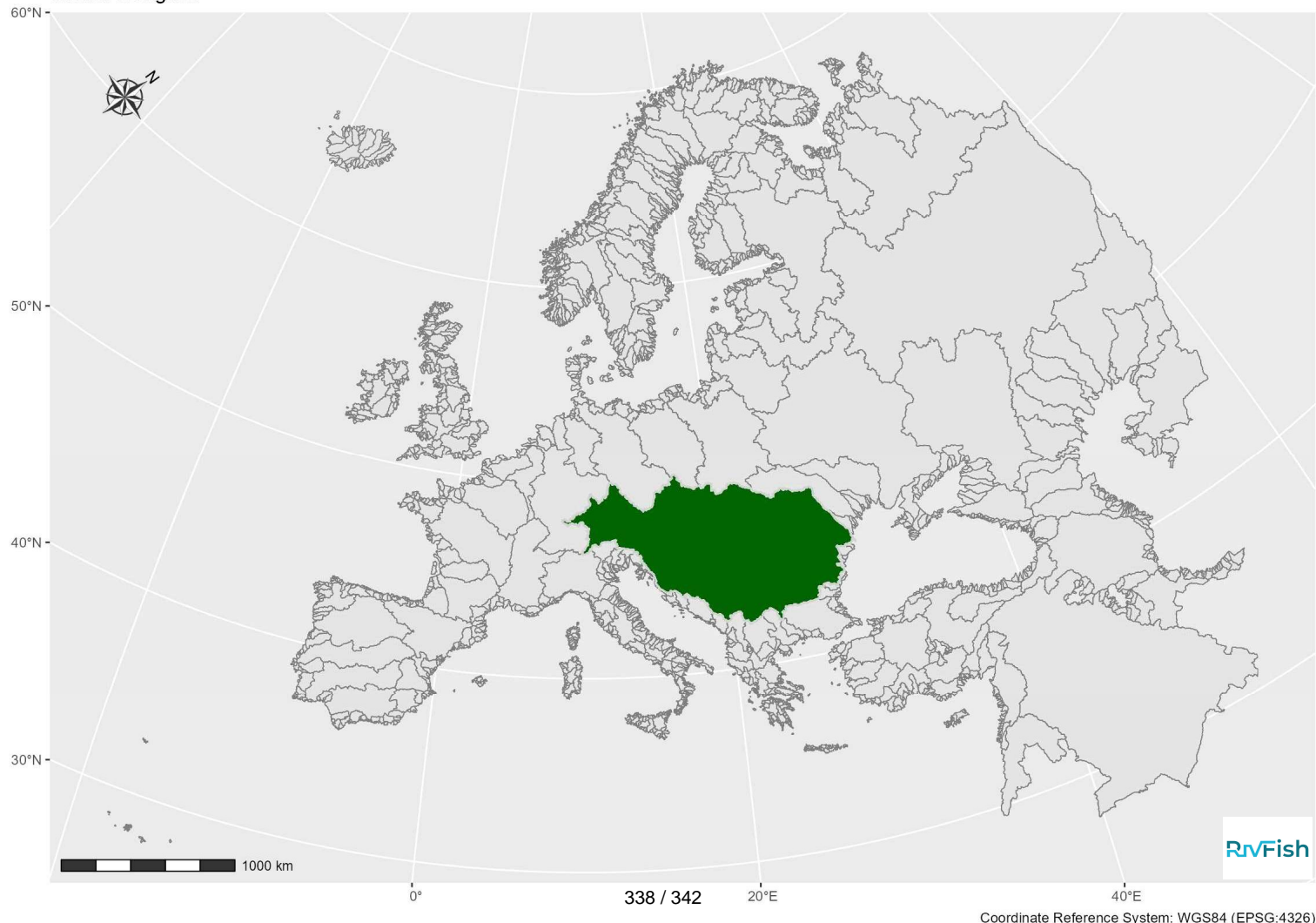
Valencia letourneuxi



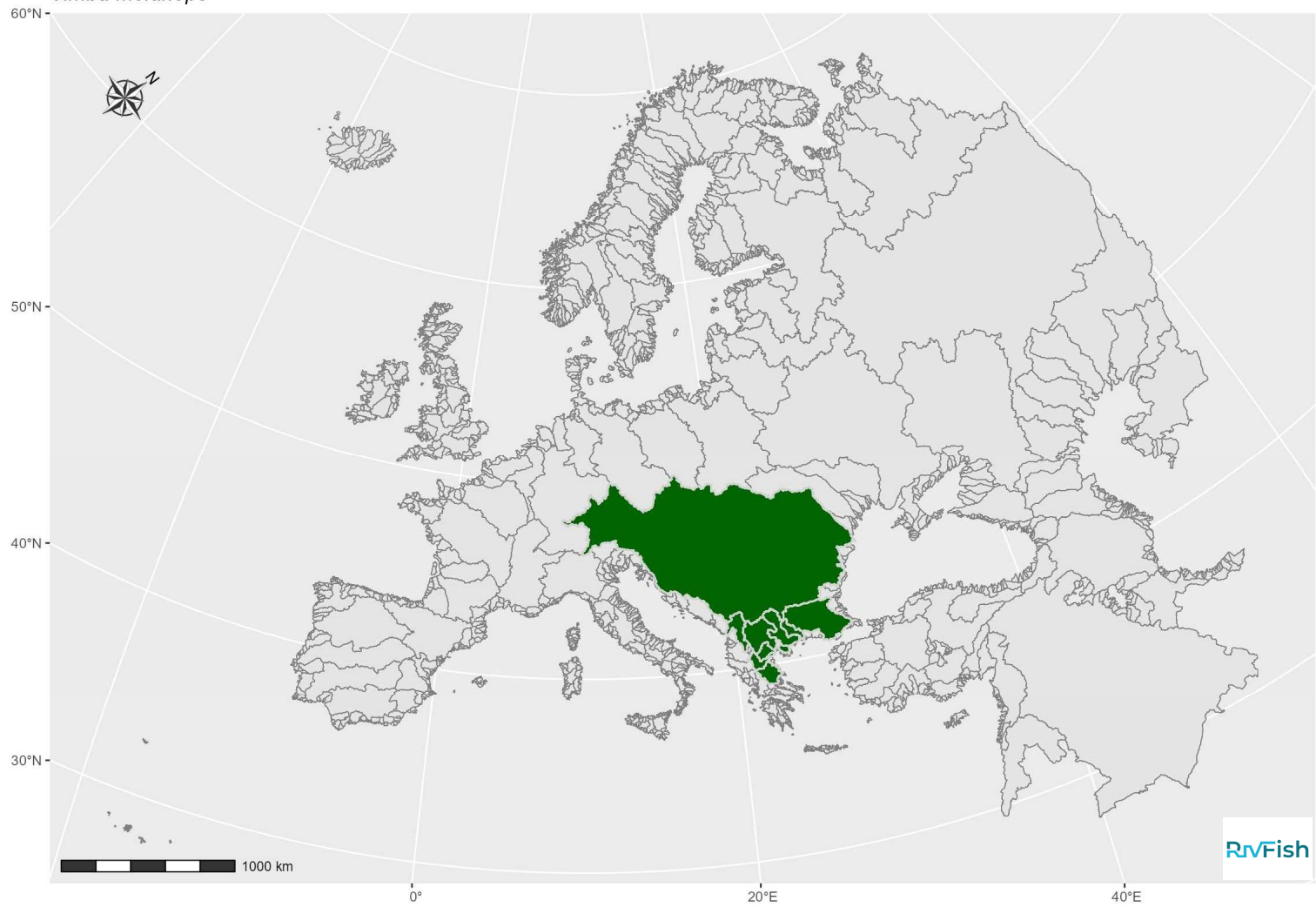
Valencia robertae



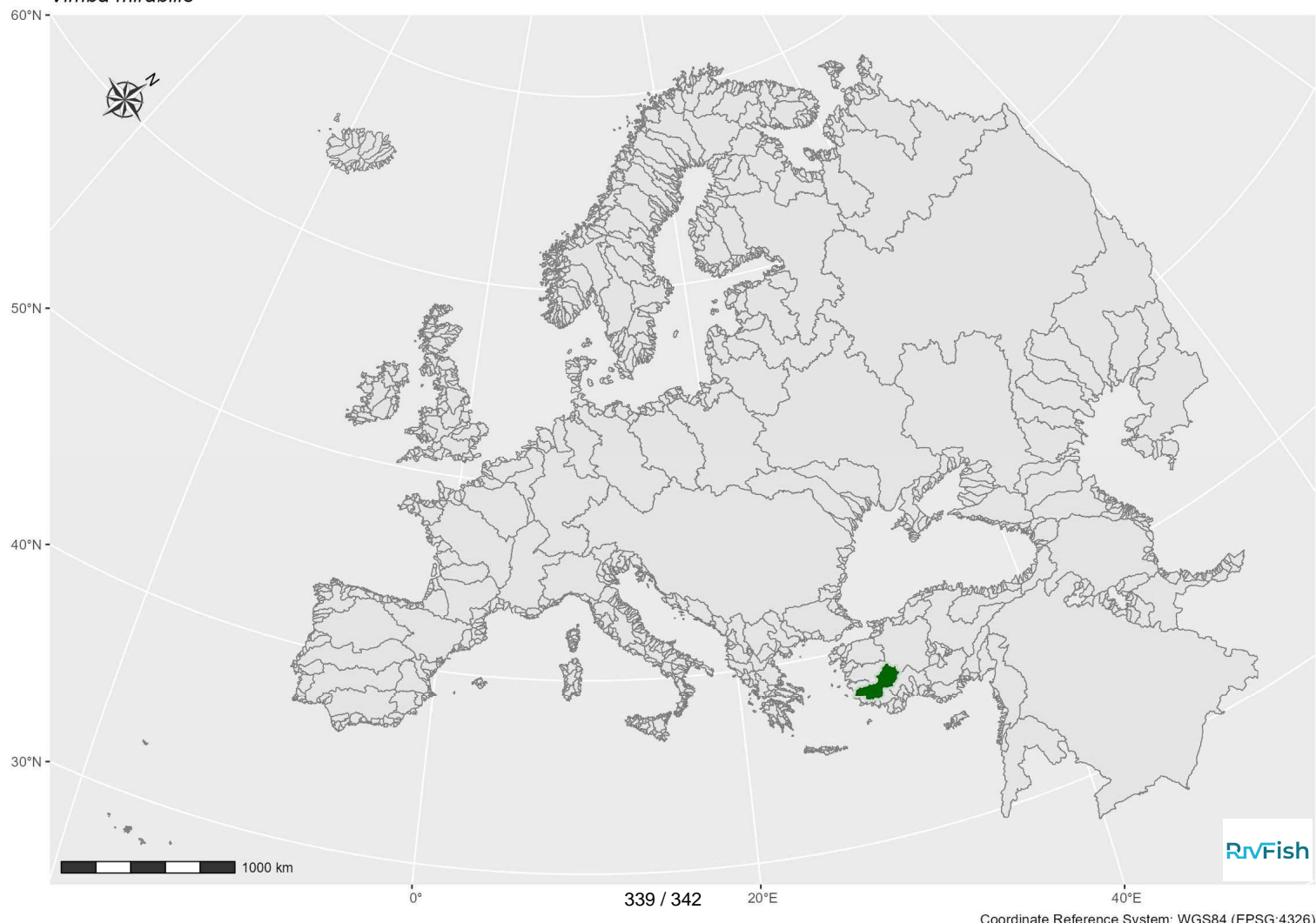
Vimba elongata



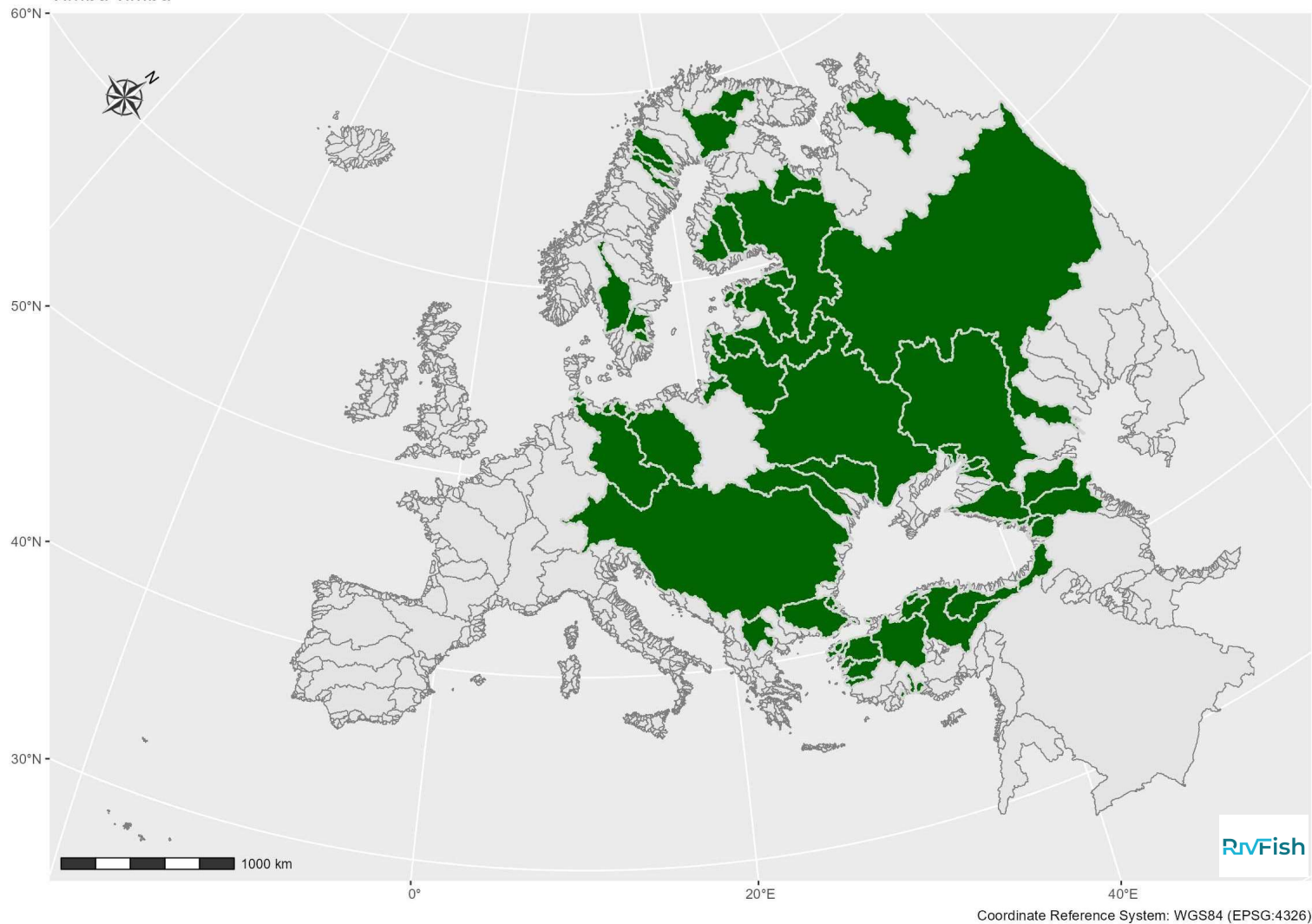
Vimba melanops



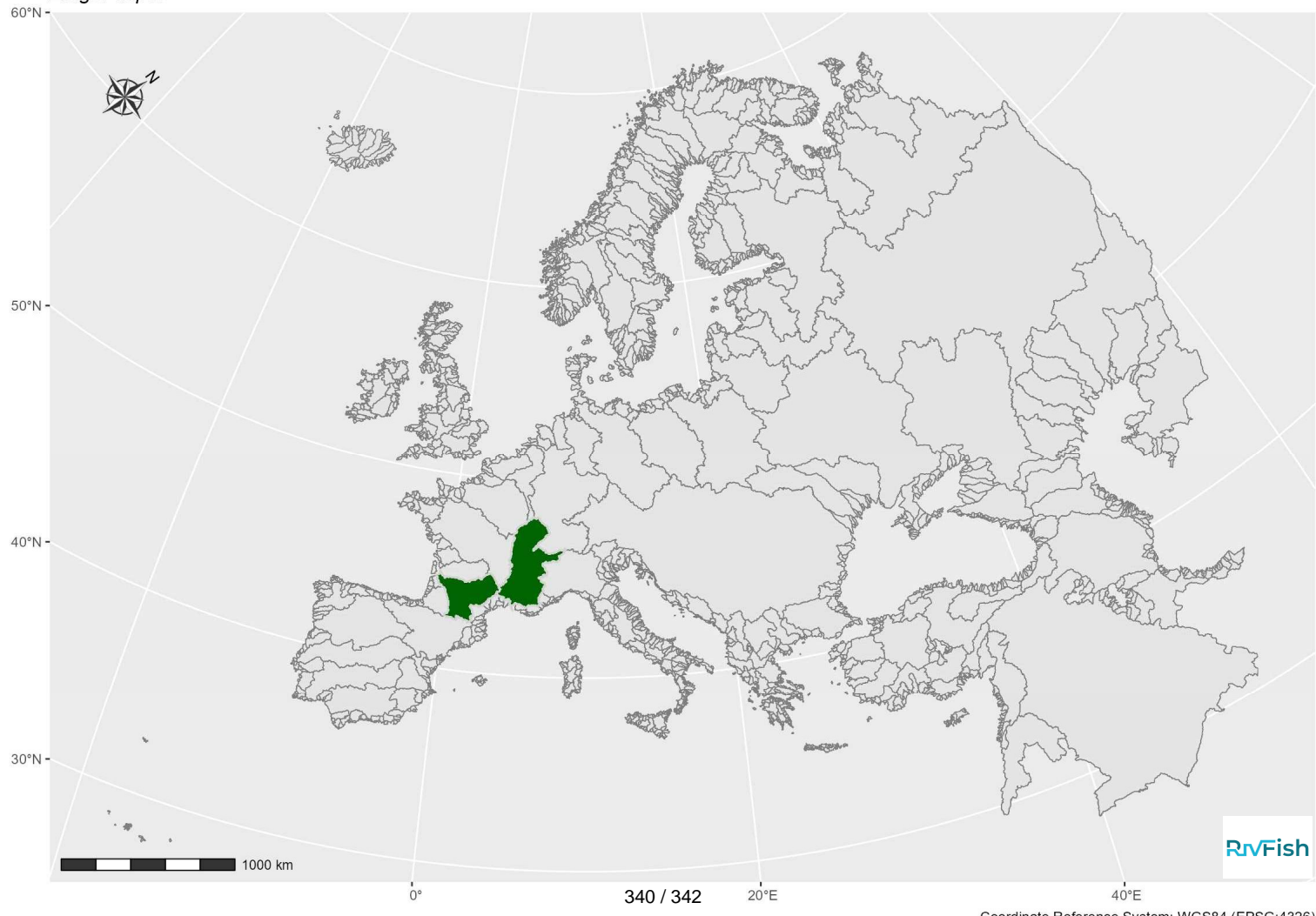
Vimba mirabilis



Vimba vimba



Zingel asper



Zingel balcanicus



Zingel streber

