

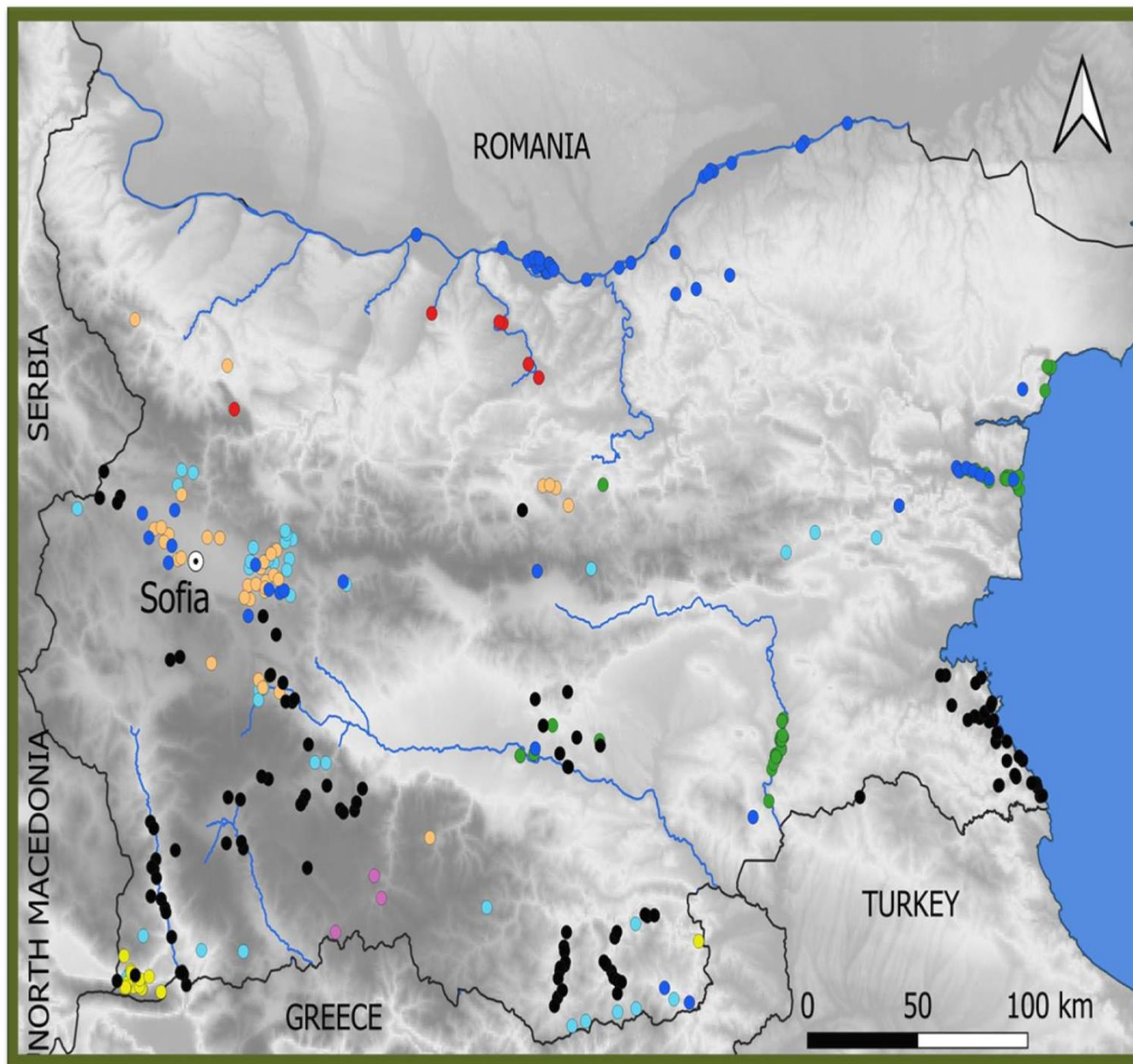
# Syntaxonomical diversity of riparian forest vegetation in Bulgaria – existing knowledge and future perspectives

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# General overview & Data structure

- Riparian forest vegetation is widely distributed on the territory of Bulgaria but its syntaxonomical diversity is still poorly studied
- All published reléves and new data collecting during 2017-2018 stored in the Balkan Vegetation Database were used for analysis (374 reléves)
- Species nomenclature was standardized according to the Euro+MedPlantBase

- Vegetation classes were determined by EuroVegChecklist Expert System
- PC-ORD hierarchical clustering was used for classification below class level - from order to association and community levels
- Diagnostic, constant and dominant species were determined for all of the established syntaxa



## MAP LEGEND

### SYNTAXA:

- *Alnus incana* community
- *Amorpho fruticosae*-*Salicetum albae*
- *Castaneto sativae*-*Platanetum*
- *Salicetum fragilis*
- *Scutellario altissimae*-*Quercetum roboris*
- *Smilaco excelsae*-*Fraxinetum oxycarpae*
- *Stellario nemorum*-*Alnetum glutinosae*
- non-classified

- Cl. ***Alno glutinosae-Populetea albae*** P. Fukarek et Fabijanić 1968  
Ord. *Populetaalia albae* Br.-Bl. ex Tchou 1949  
All. *Alnion incanae* Pawłowski et al. 1928  
Ass. *Stellario nemorum-Alnetum glutinosae*  
Lohmeyer 1957  
*Alnus incana* community  
All. *Platanion orientalis* I. Kárpátiet et V. Kárpáti 1961  
Ass. *Carpineto-Platanetum* prov. name  
Ord. *Alno-Fraxinetalia excelsioris* Passarge 1968  
All. *Alno-Quercion roboris* Horvat 1950  
Ass. *Smilaco excelsae-Fraxinetum oxycarpae*  
(Soo 1957) D. Pavlov et M. Dimitrov 2002  
Ass. *Scutellario altissimae-Quercetum roboris*  
Roussakova et Tzonev 2003  
Cl. ***Salicetea purpureae*** Moor 1958  
Ord. *Salicetalia purpureae* Moor 1958  
All. *Salicion albae* Soó 1951  
Ass. *Salicetum fragilis* Passarge 1957  
Ass. *Amorpho-Salicetum albae* Tzonev 2009

- Woodlands dominated by *Fraxinus oxycarpa* and *Quercus robur* are found in the eastern part of the country, at lower altitude and under strong Mediterranean influence
- *Platanus orientalis* woodlands are distributed in south Bulgaria
- *Stellario nemorum-Alnetum glutinosae* and *Salicetum fragilis* floodplain forests occur both in lowlands and up to 1000-1300 m a.s.l.
- *Alnus incana* phytoenosis are distributed in mountainous regions in the beech, coniferous and subalpine belts
- During 2019-2020 new data from riparian forest vegetation will be collected from 35-40% of the national territory







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