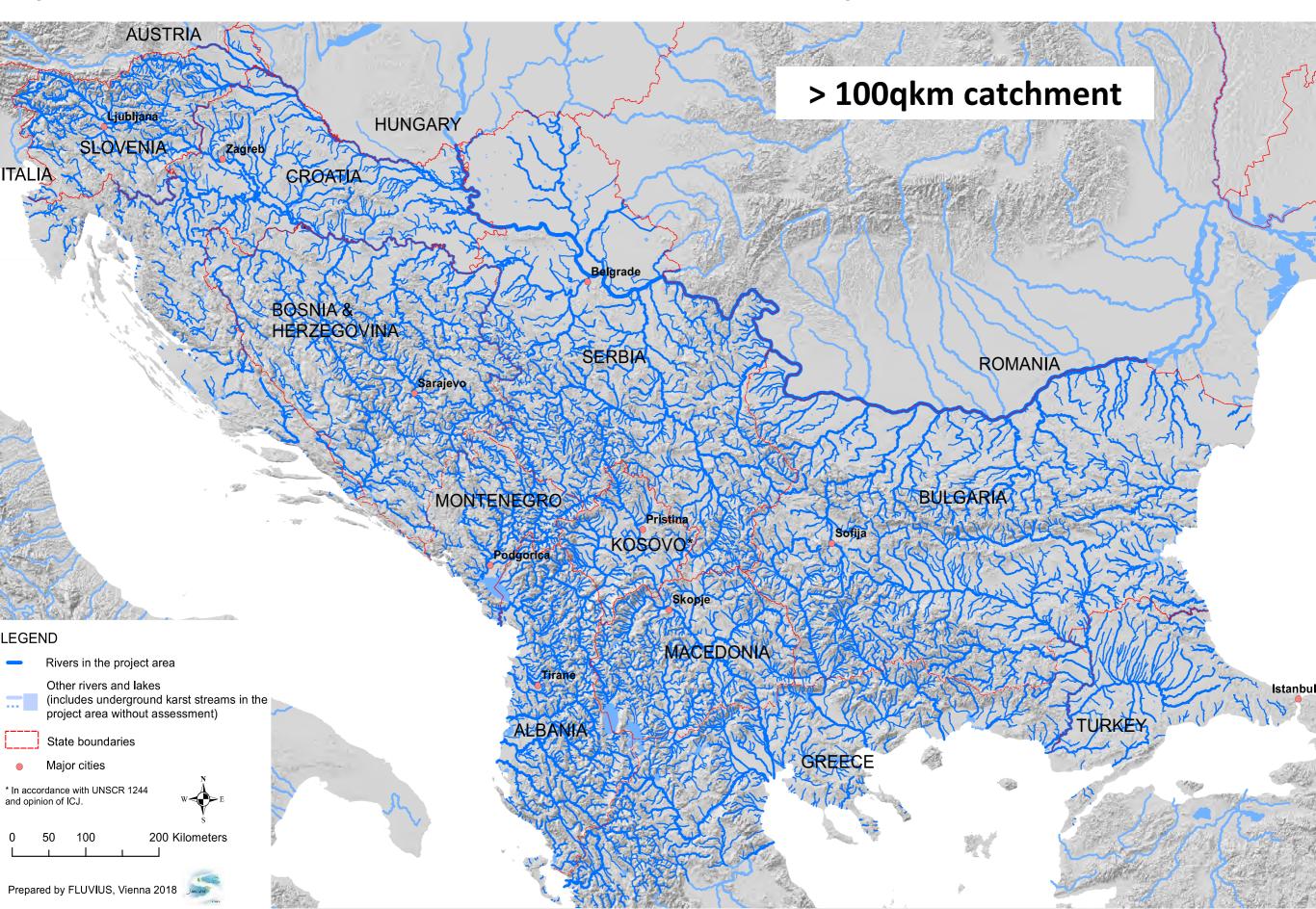
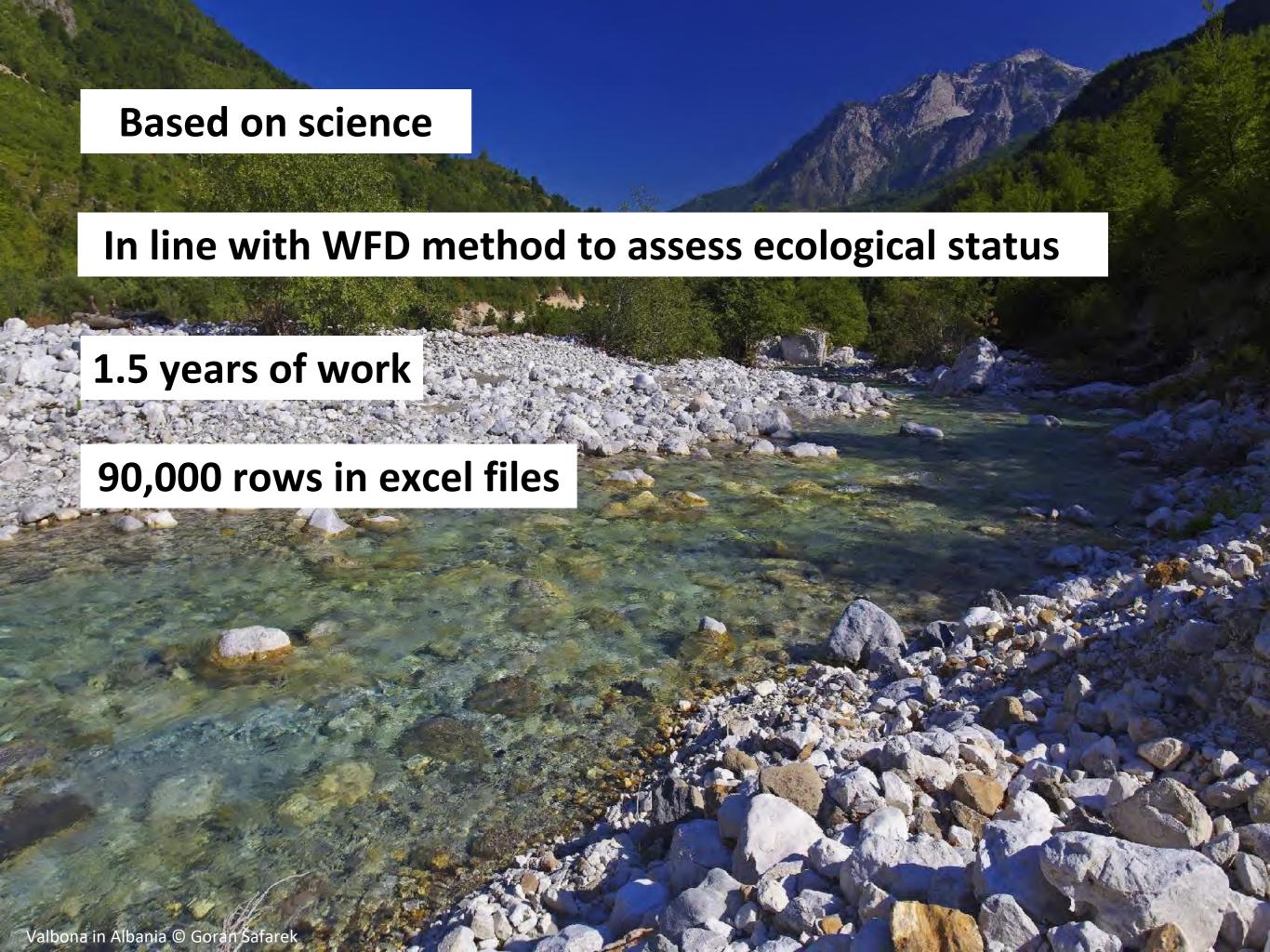


Map 1: Extent of 80,523 kilometres of rivers assessed for the Eco-Masterplan **QUI'ONATUR RiverWatch**

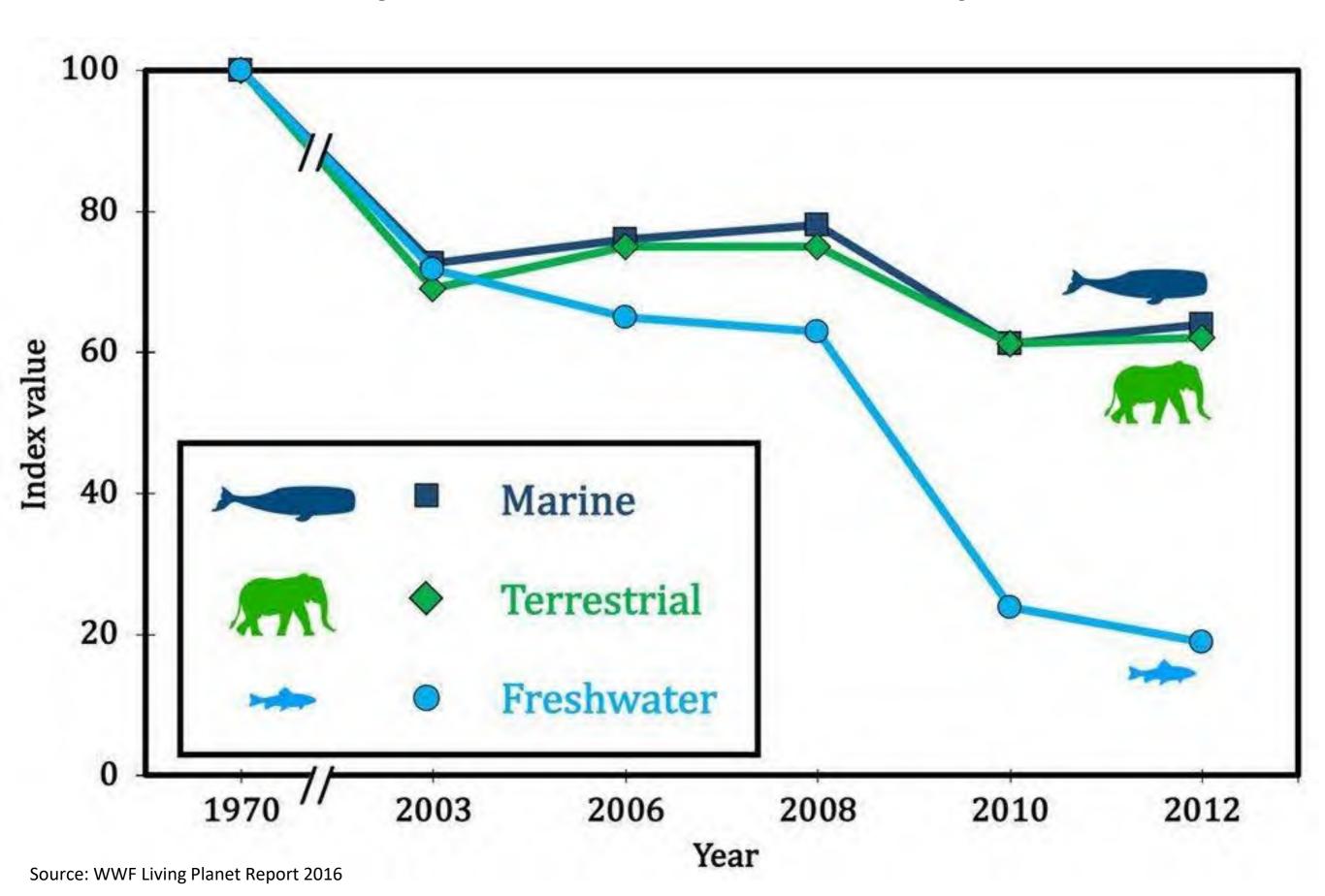






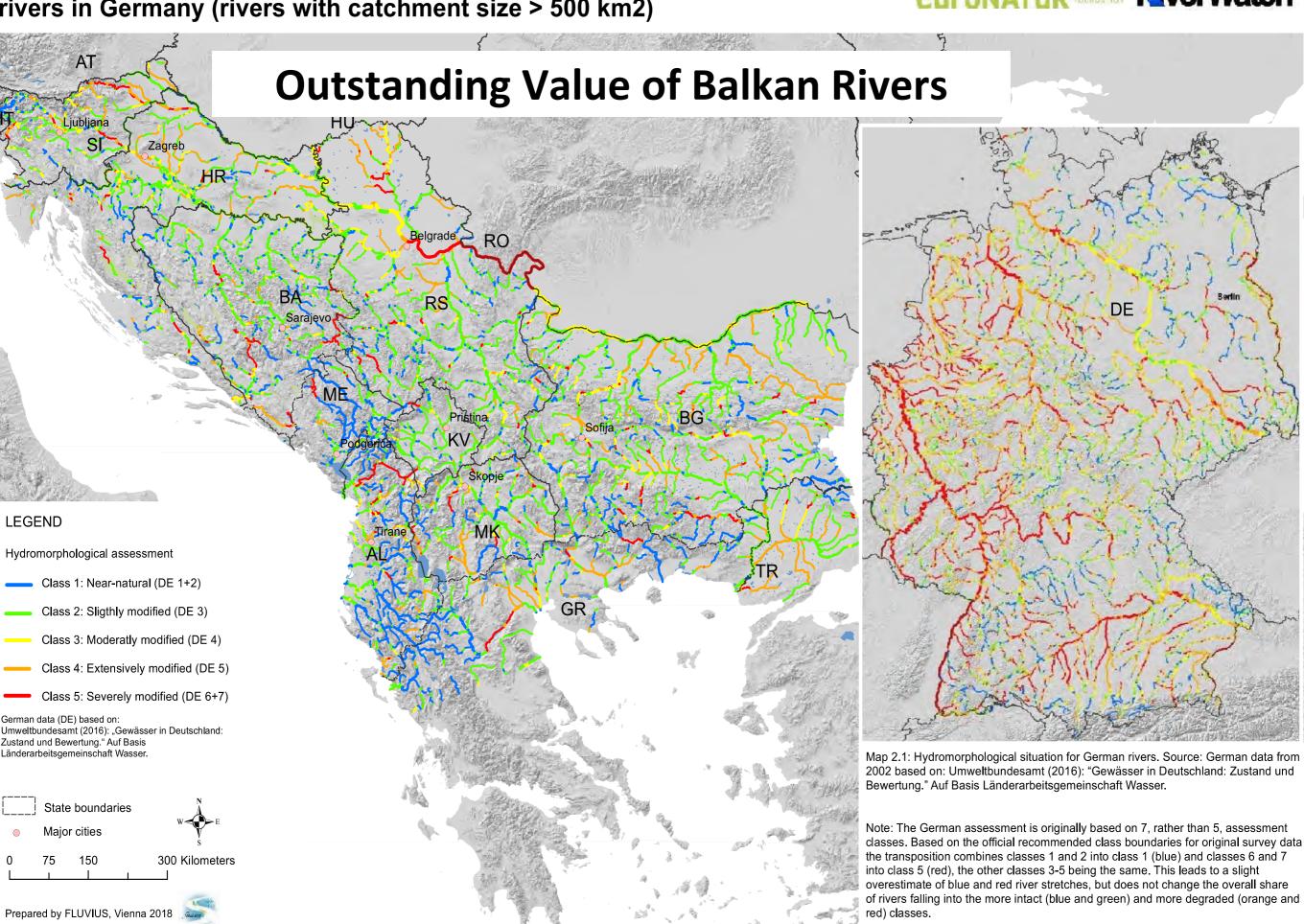


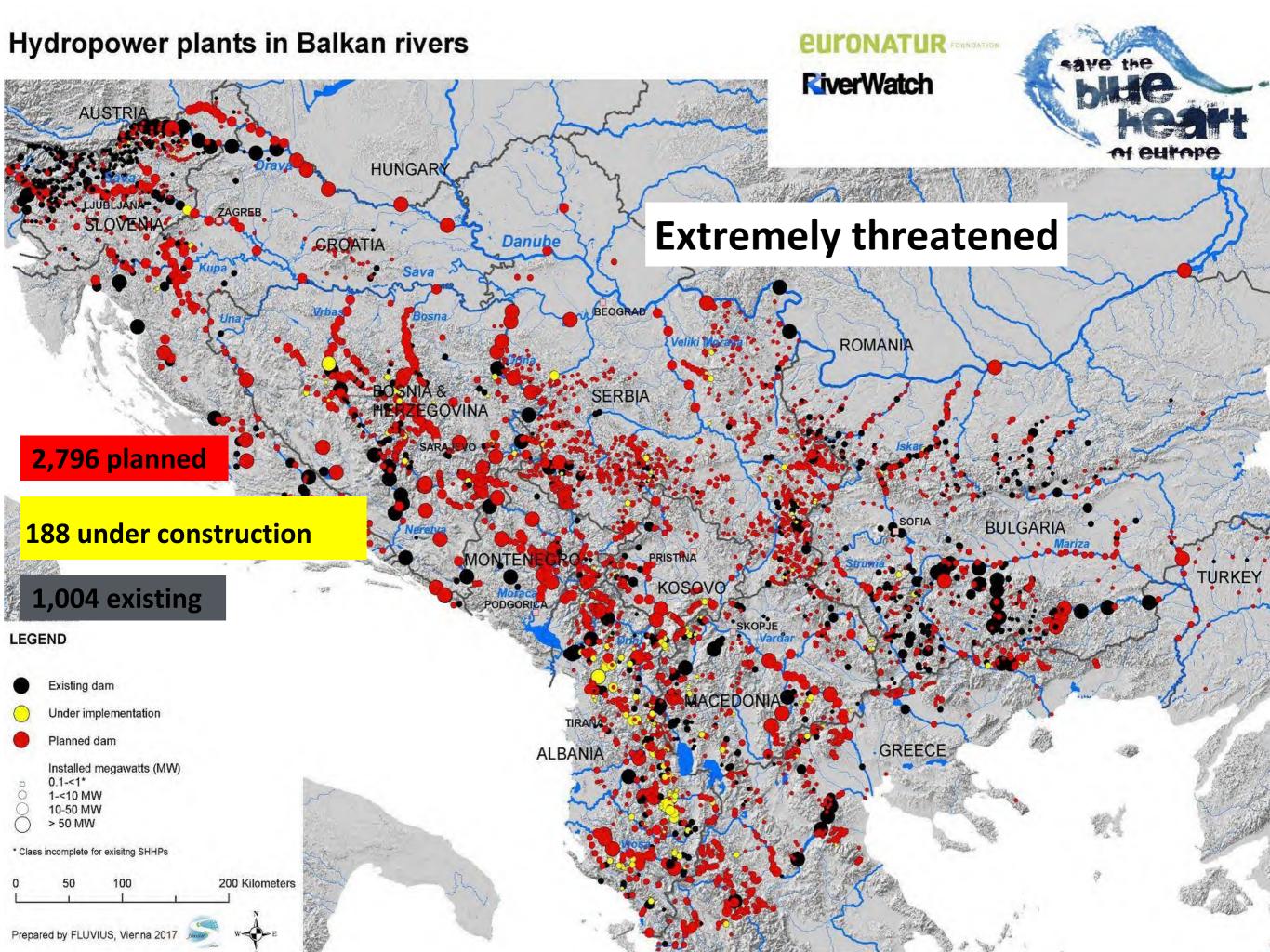
1. Why we need a BR Eco-Masterplan



Map 2: Hydromorphological status of Balkan Rivers compared to rivers in Germany (rivers with catchment size > 500 km2)











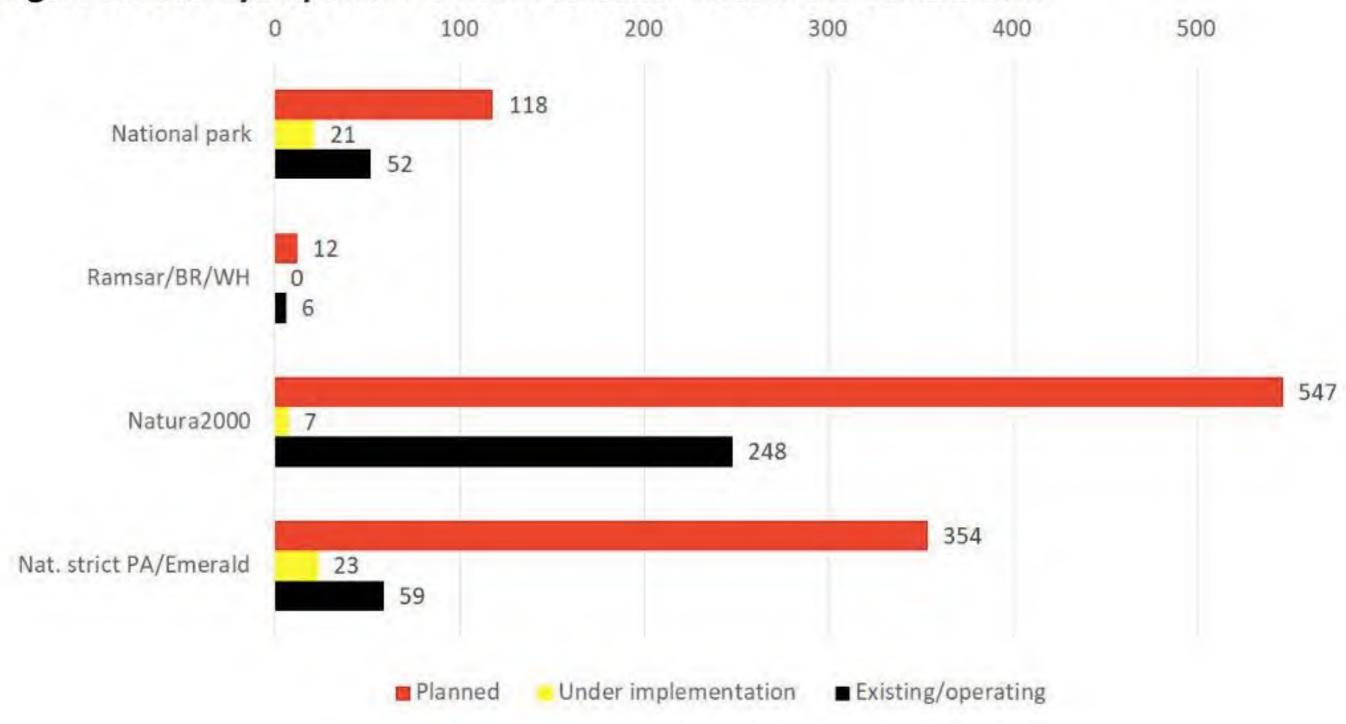


Devoll, Albania





Figure 3. Total Hydropower Plants in Protected Areas in the Balkans 2017



Reduce Biodiversity Loss

Balkan Freshwater Fish and Molluscs in Numbers

113 SPECIES

listed in one of the three IUCN threat categories and/or listed in one or more of the annexes of the European Habitats Directive or Bern Convention. 69

SPECIES ARE FOUND HERE

and nowhere else on the planet, making it one of the highest concentrations of endemic fish species in Europe. 28% OF EUROPE'S

OF EUROPE'S ENDANGERED FISH ARE FOUND HERE 40%

OF EUROPE'S ENDANGERED MOLLUSCS ARE FOUND HERE

making the Balkans a hotspot for threatened molluscs which are highly vulnerable to hydropower development. FISH AND

are the two most threatened taxonomic groups in Europe.

DANUBE

APACHTHOS SPINED LOACH MICROCONDYLEA BONELLII

IF DAMS ARE BUILT: FISH SPECIES

are faced with either the threat of extinction or loss of between 50 and 100% of their Balkan distribution, 11 of these are endemic so will be globally extinct. APPROXIMATELY

10%

of all of Europe's freshwater fish species are threatened by Balkandams. (There are around 500 freshwater fish species in Europe). 108 OUT OF 113

species would become either extinct or assigned to a threat category.

Avoid Social Conflicts

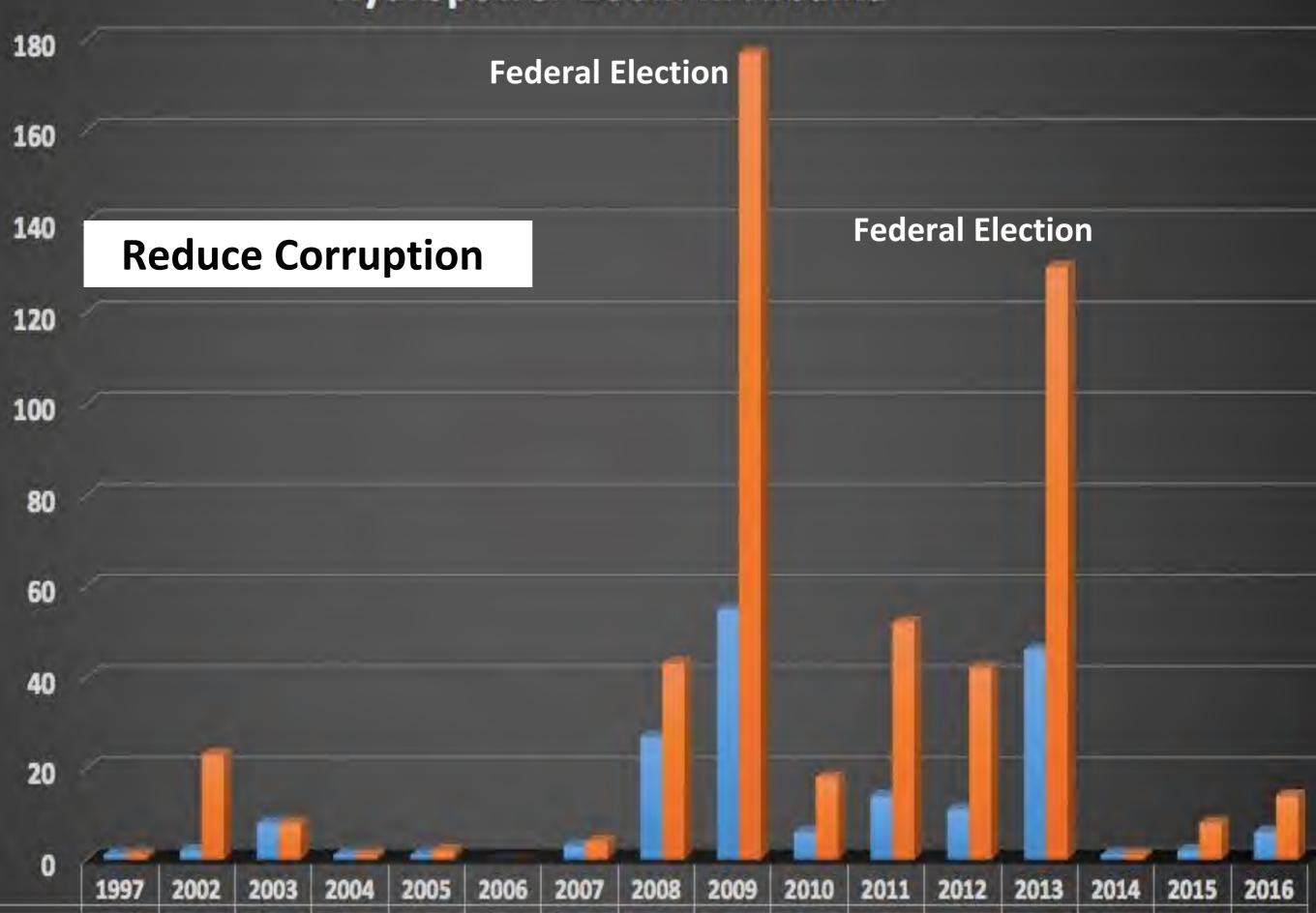


Women of Kruscica: 500 days/nights against dam project



Belgrade, 27.1.19: 5,000 people on anti-hydro protest

Hydropower Boom in Albania



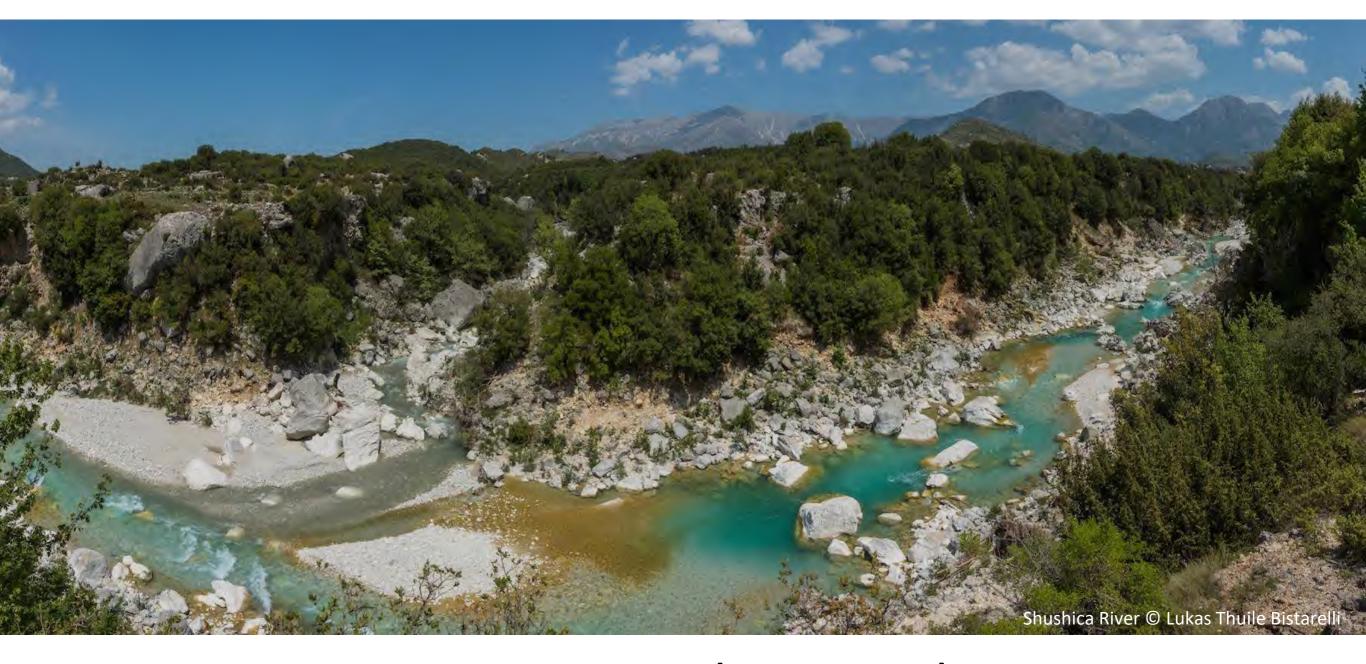
Supporting International Environmental Objectives

- WFD + Nature Directives + EIA Directive
- Bern Convention etc.
- Convention on Biological Diversity

"Pre-planning mechanisms allocating "no-go" areas for new hydro-power should be developed... It is our view that the WB6 countries should establish clear "no-go" areas for new hydro-power projects, based on the protection of nature conservation values."

Regional Strategy for Sustainable Hydropower in WB (2018) commissioned by EC.

2. Criteria

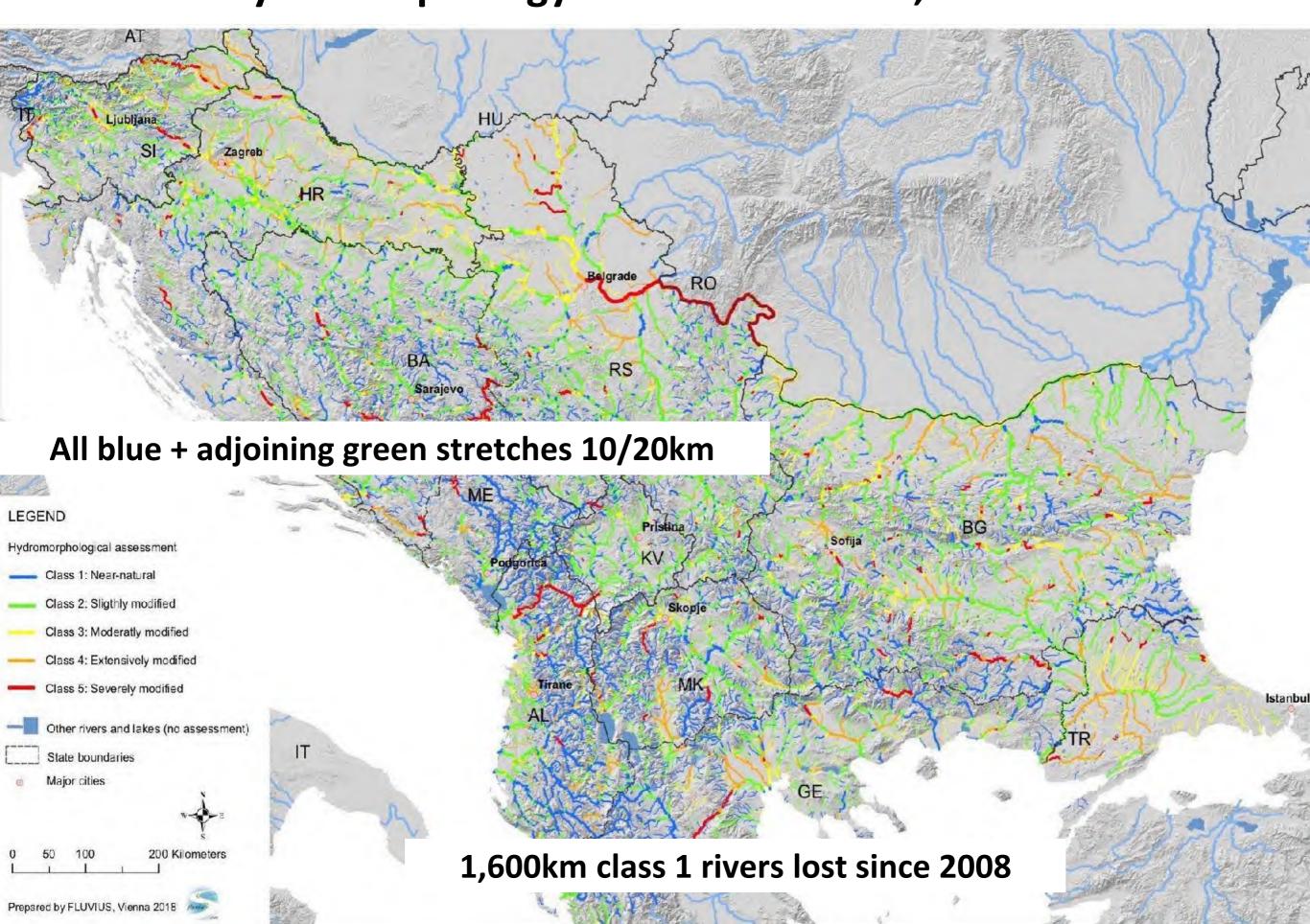


Hydromorphology
Protected areas
Fish species

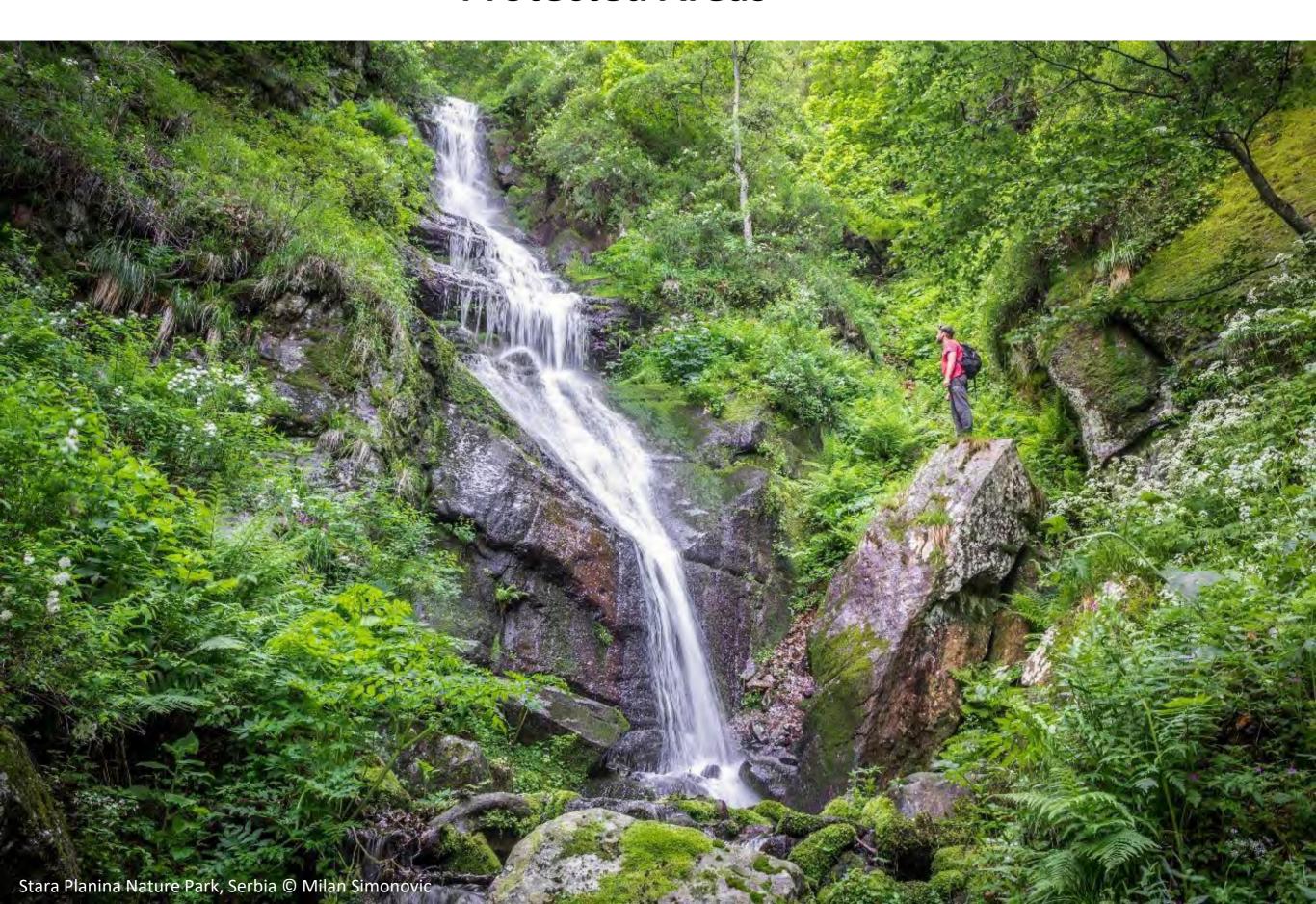
Freshwater Mussels
Caddisfly species

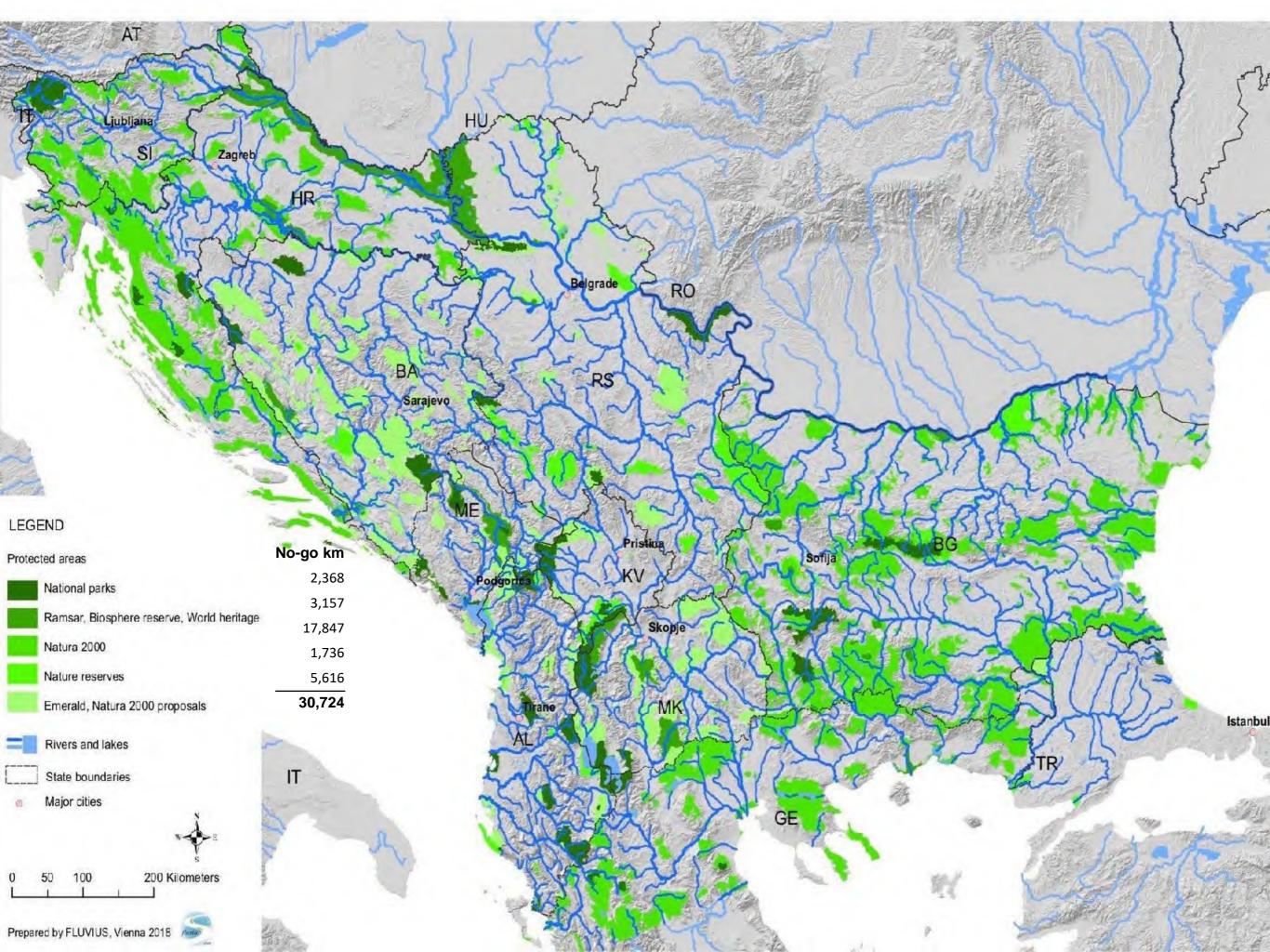
Significant Wetlands: floodplains, poljes, estuaries

Hydromorphology Assessment of 80,523 km



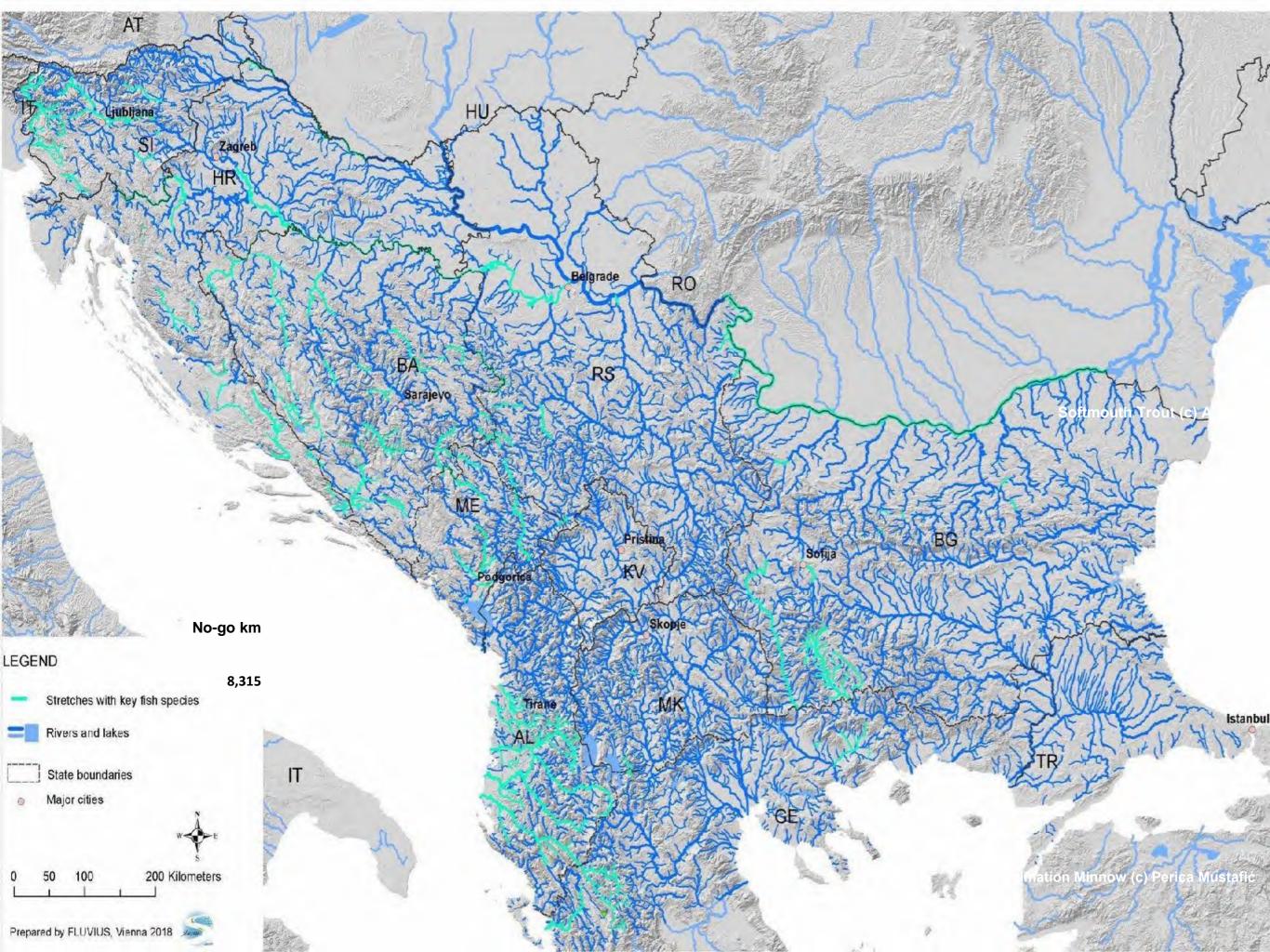
Protected Areas

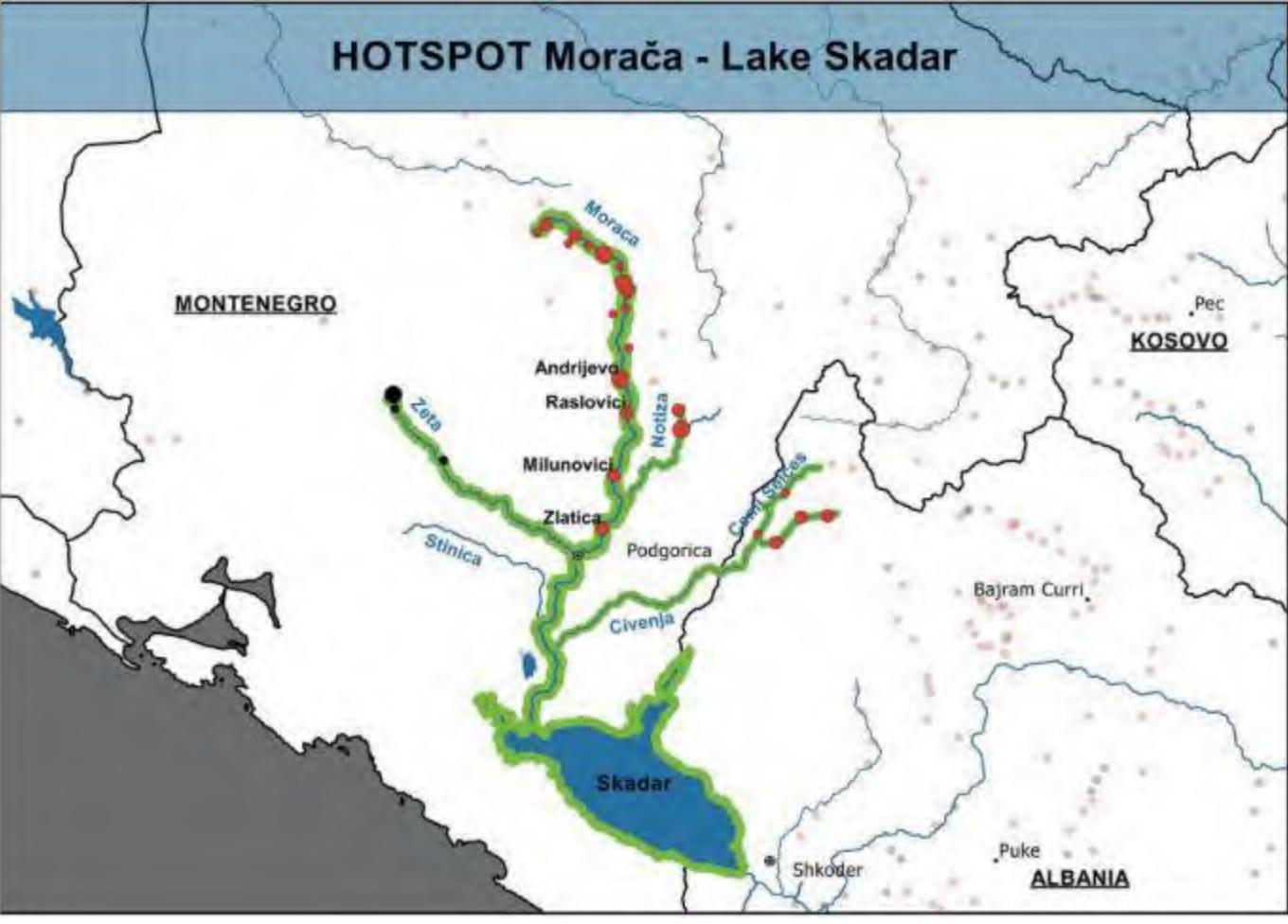




Key Fish Species (33)





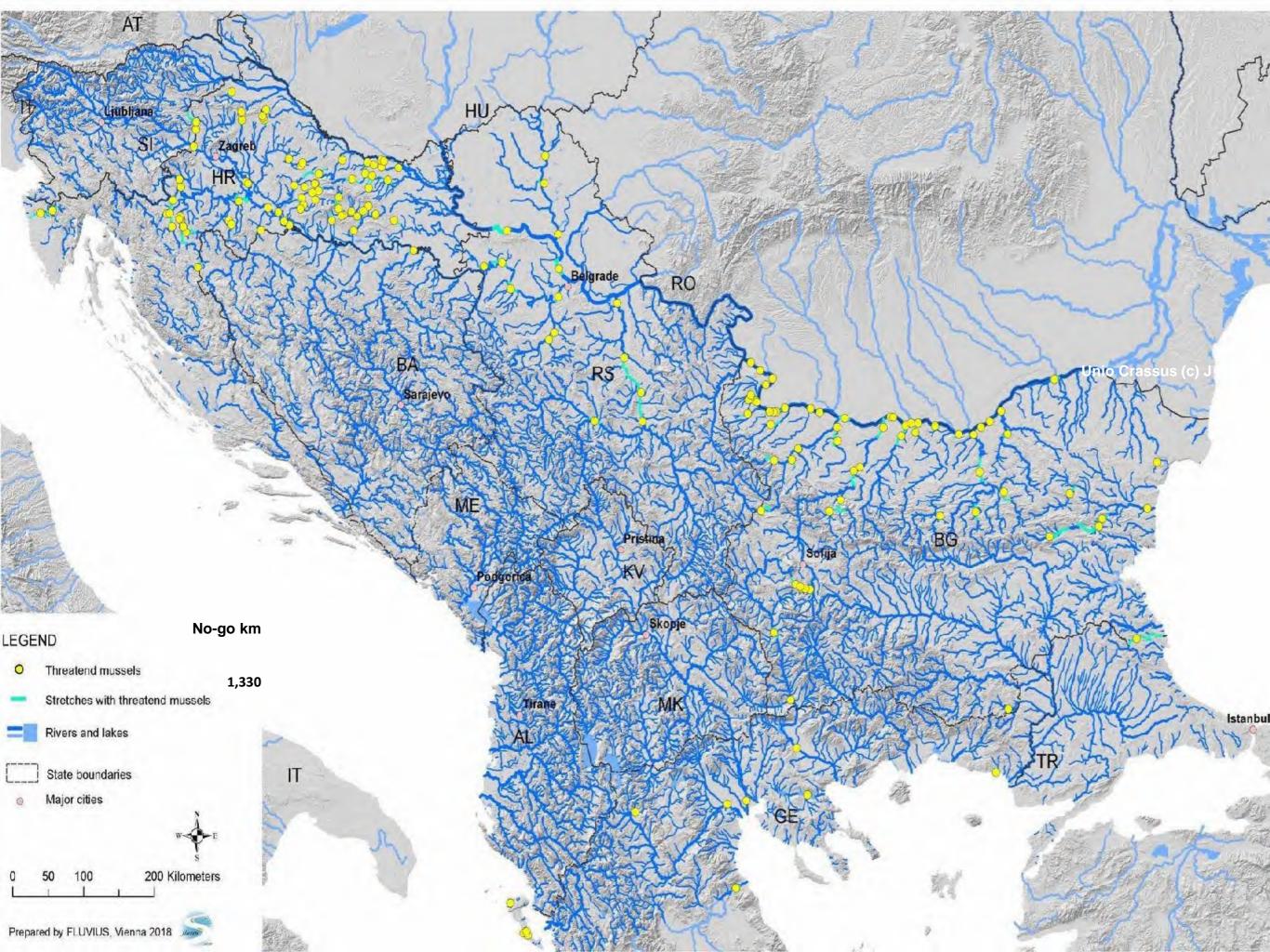


Source: Weiss et al. 2018, Endangered Fish Species in Balkan Rivers



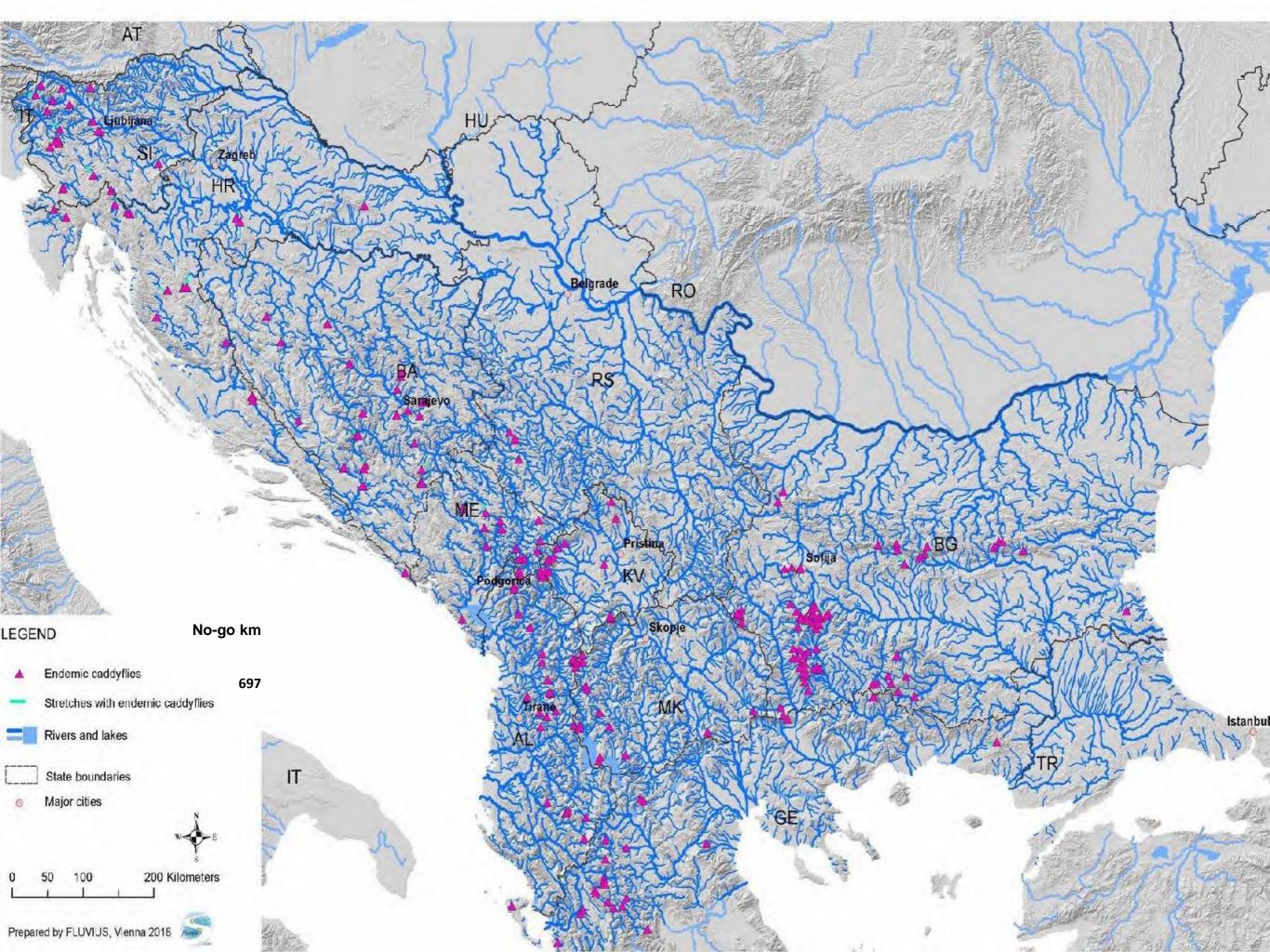
Freshwater Mussels (3)





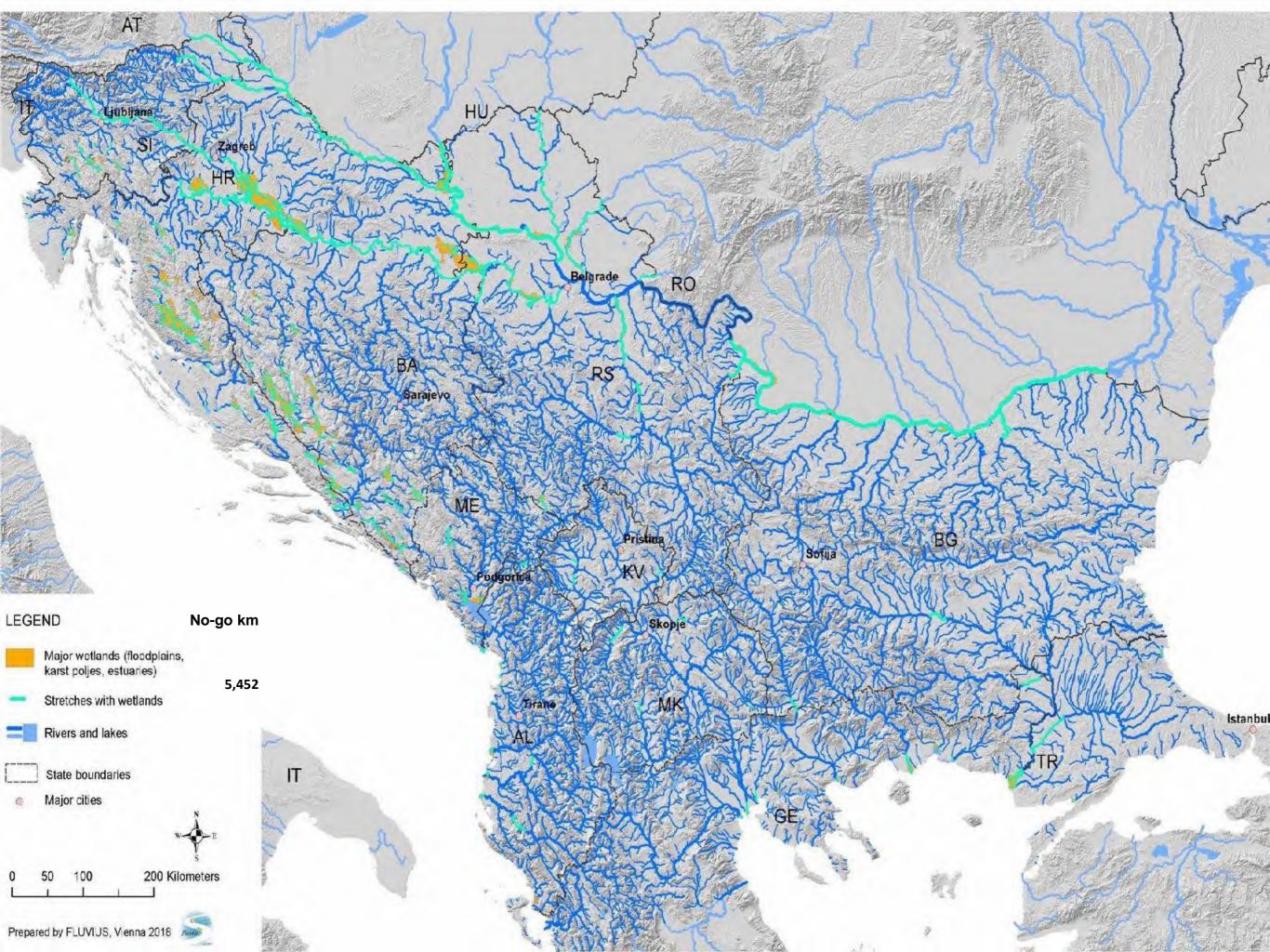
Caddisflies (213)

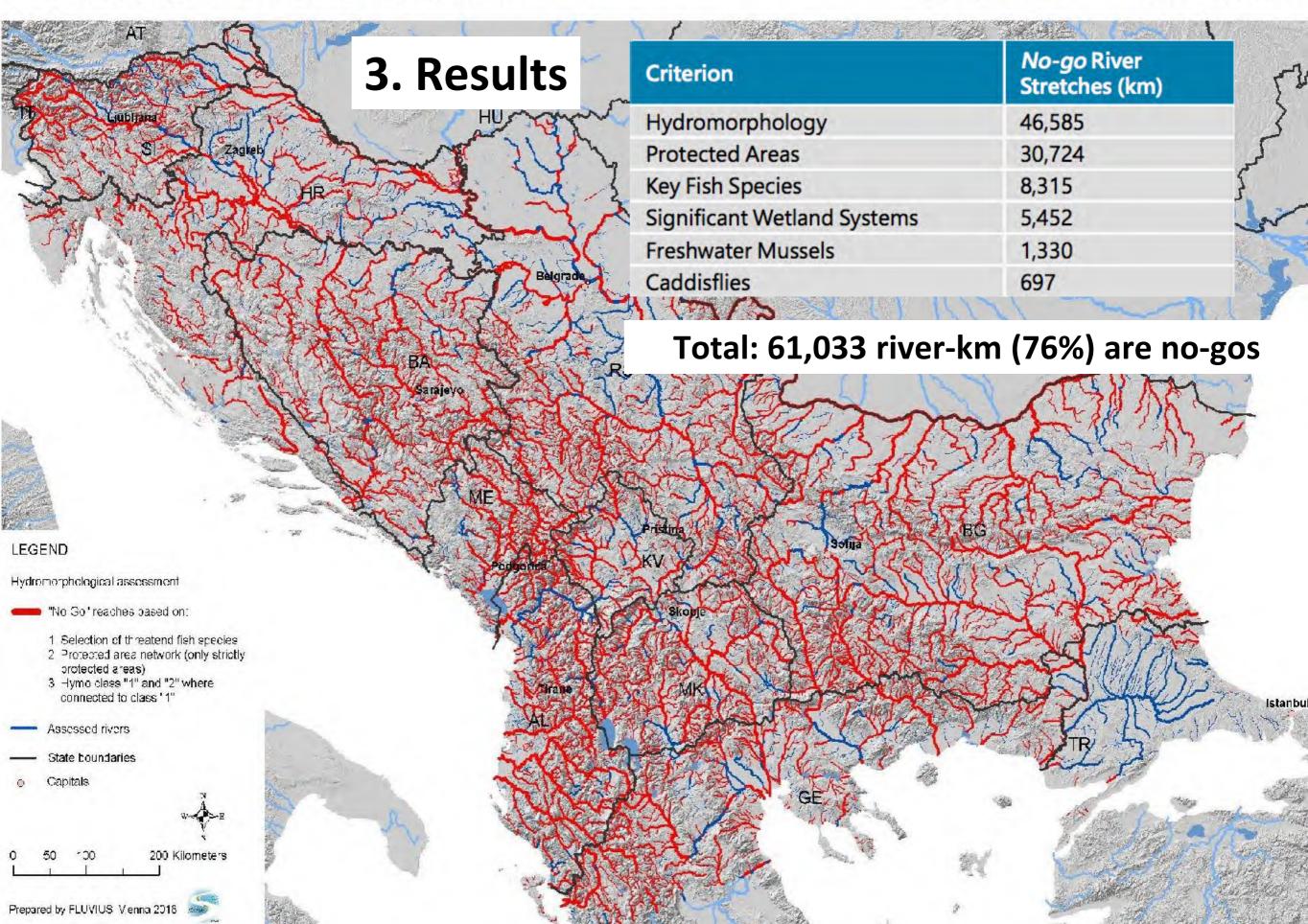


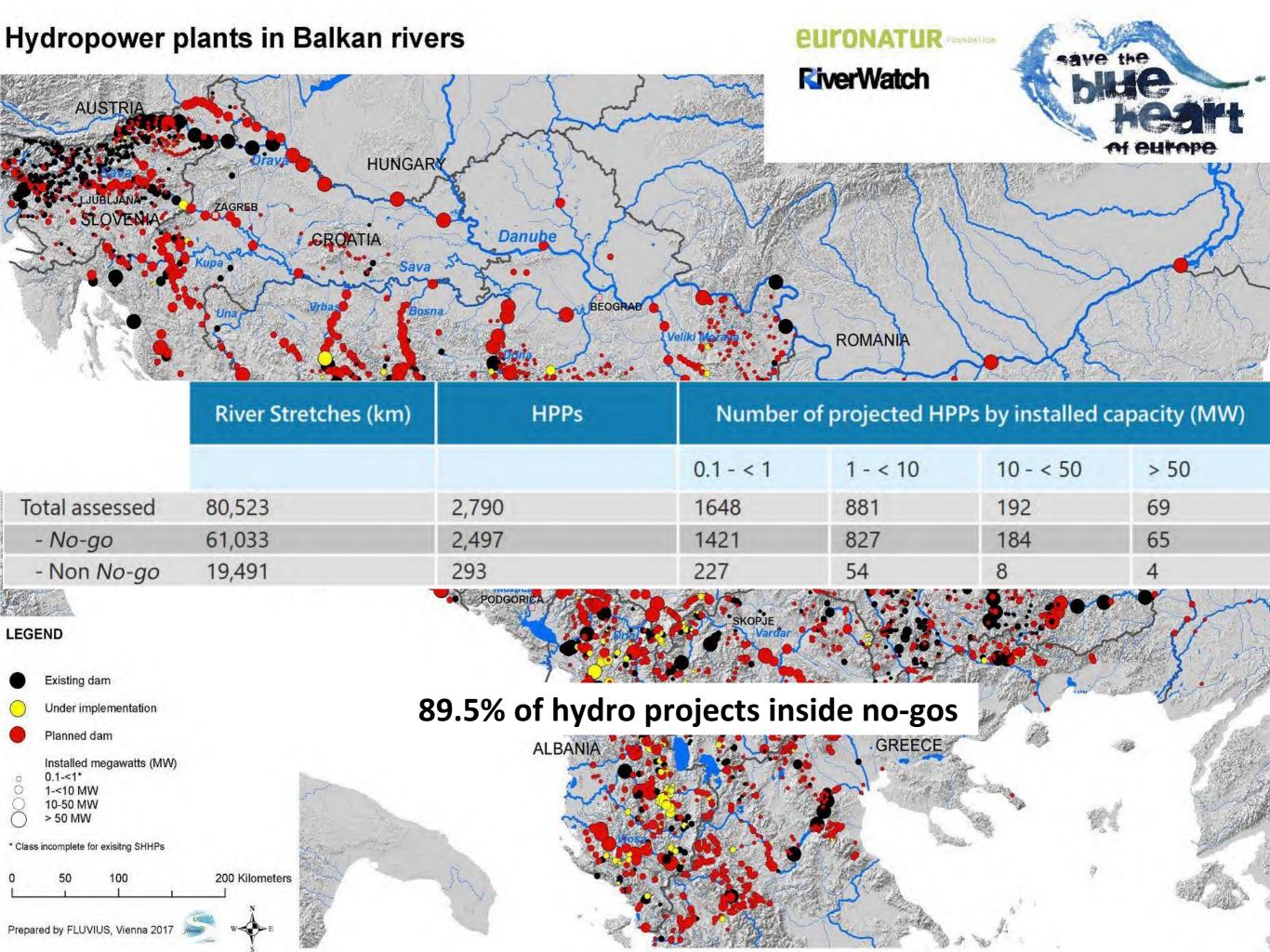


Significant Wetland Systems









But how to reach renewable energy targets?

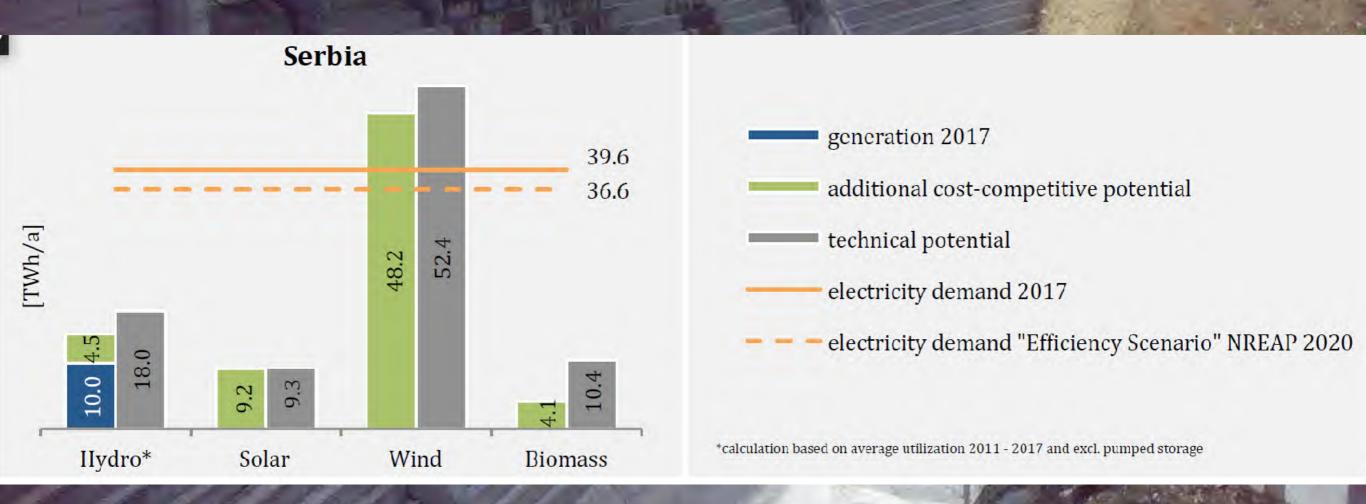
e3 consult

The role of hydropower in selected South-Eastern European countries



Conclusion Energy Study

1. Most countries would fail to reach renewable targets, even if all dams would be built.



- 2. Wind and solar could deliver enough opportunities to accomplish the countries NREAP targets
- 3. Wind and solar could substitute "no-go dams"





Fig. 23: Generation from renewables, electricity demand and potentials of renewable energy sources for all seven SEE countries

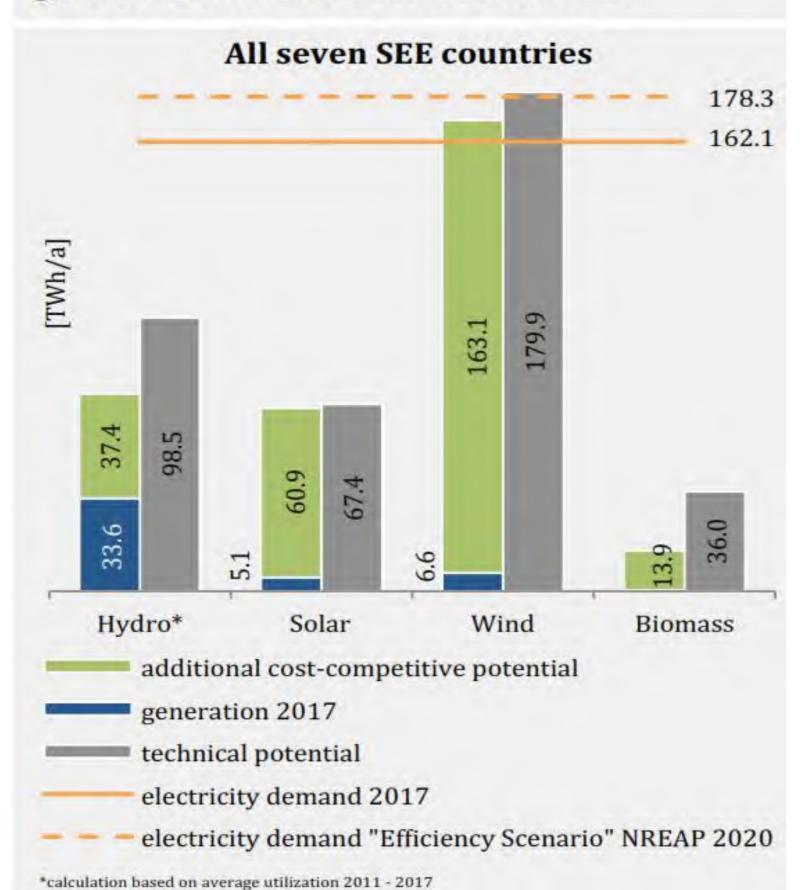
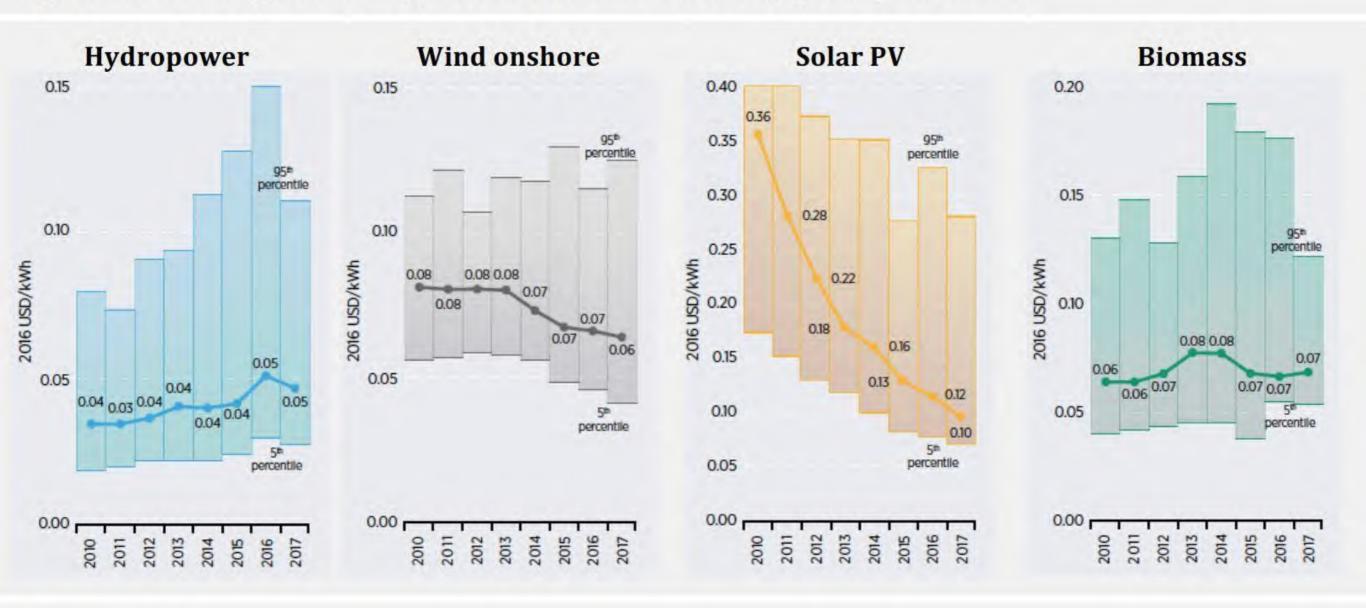


Fig. 25: Global weighted average levelized cost of electricity (LCOE) 2010-2017



Source: IRENA [28]