Towards formalized classification of riparian forests in southeastern Europe

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Mária Šibíková – Prague – 4th April 2019

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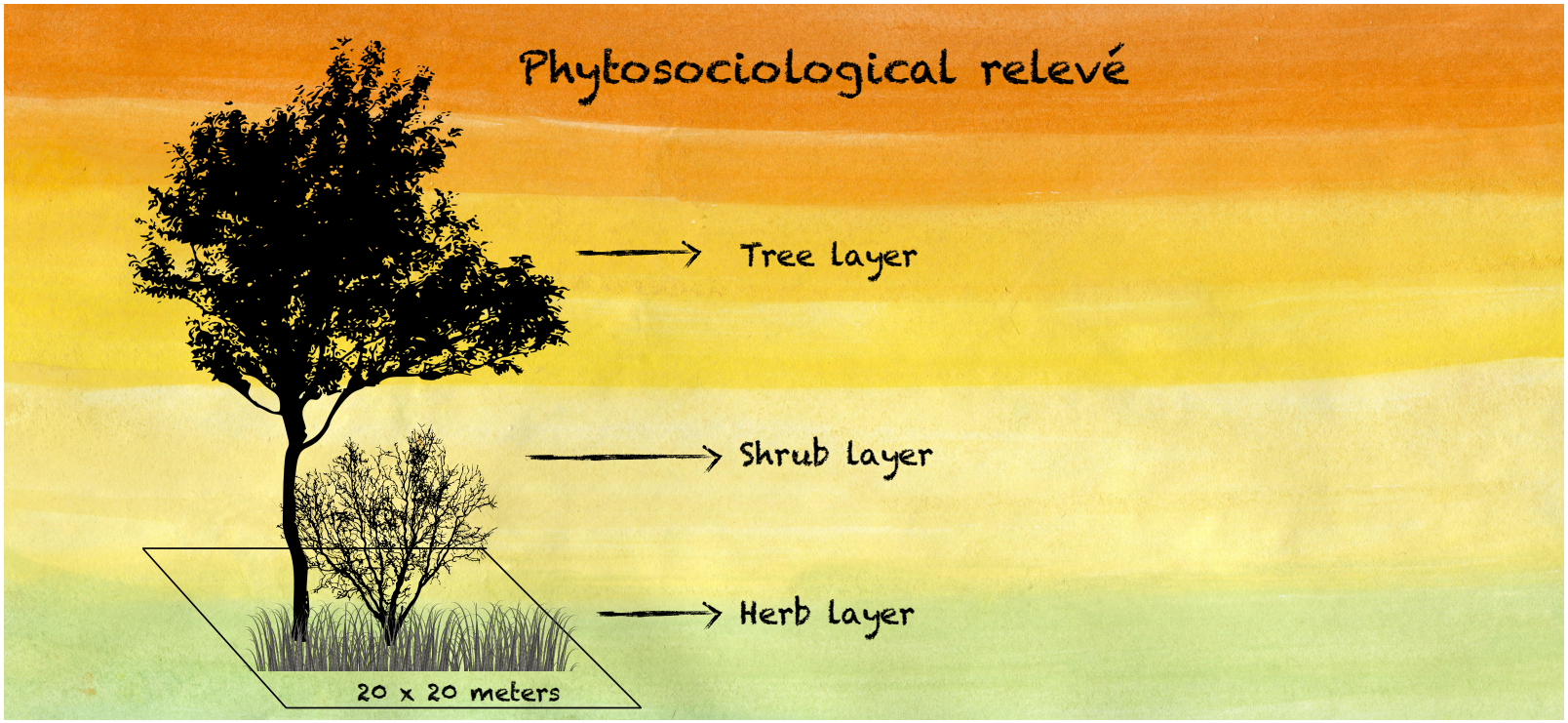
Introduction

- Phytosociology – studying of plant communities
- Long tradition in Europe
- Unified methodology (Braun-Blanquet approach) of taking samples – phytosociological relevés (samples)



Introduction

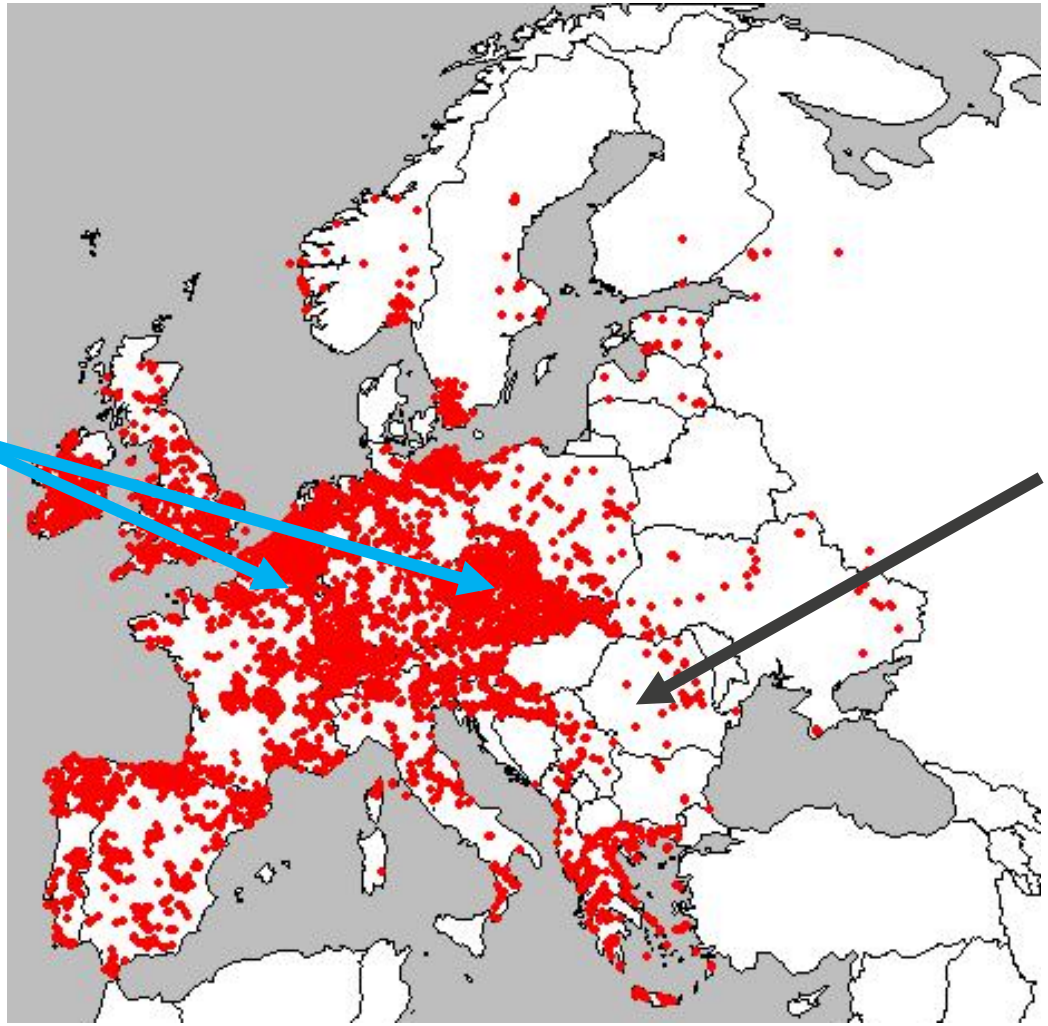
- Advantages – comparable datasets among European countries and across different time periods
- Powerfull tool for analyses of current state of riparian forests, their diversity or degradation



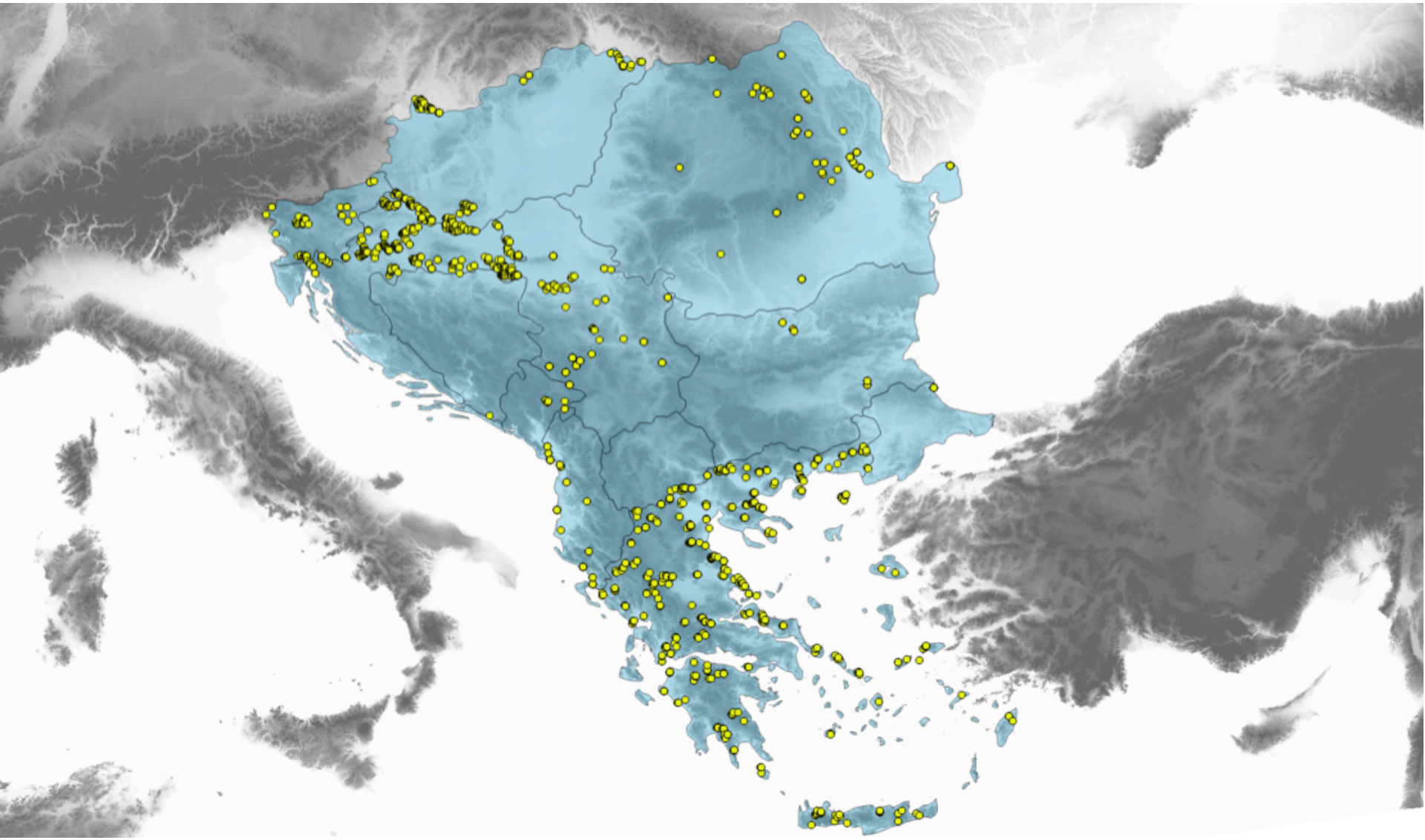

- Riparian forests were revised on European level in 2016 (Douda et al. 2016)
- South-east Europe was covered innacurately

Introduction

over-sampled areas



under-sampled areas



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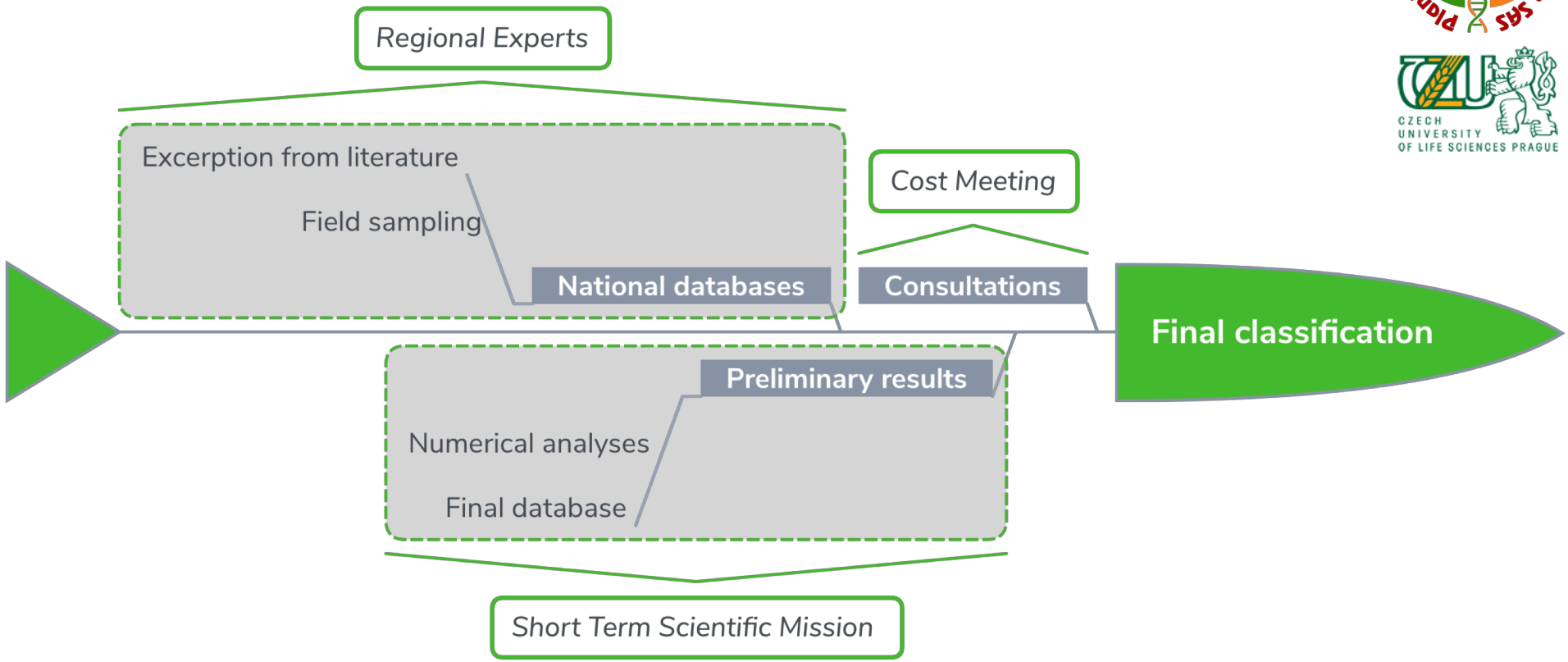
Aims

- To fill the gap in our knowledge about riparian forests in SE Europe
- To prepare phytosociological classification of these forests

Workflow


Regional Experts
Excerption from literature
Field sampling
National databases
Cost Meeting
Consultations
Final classification
Preliminary results
Numerical analyses
Final database
Short Term Scientific Mission

Methods

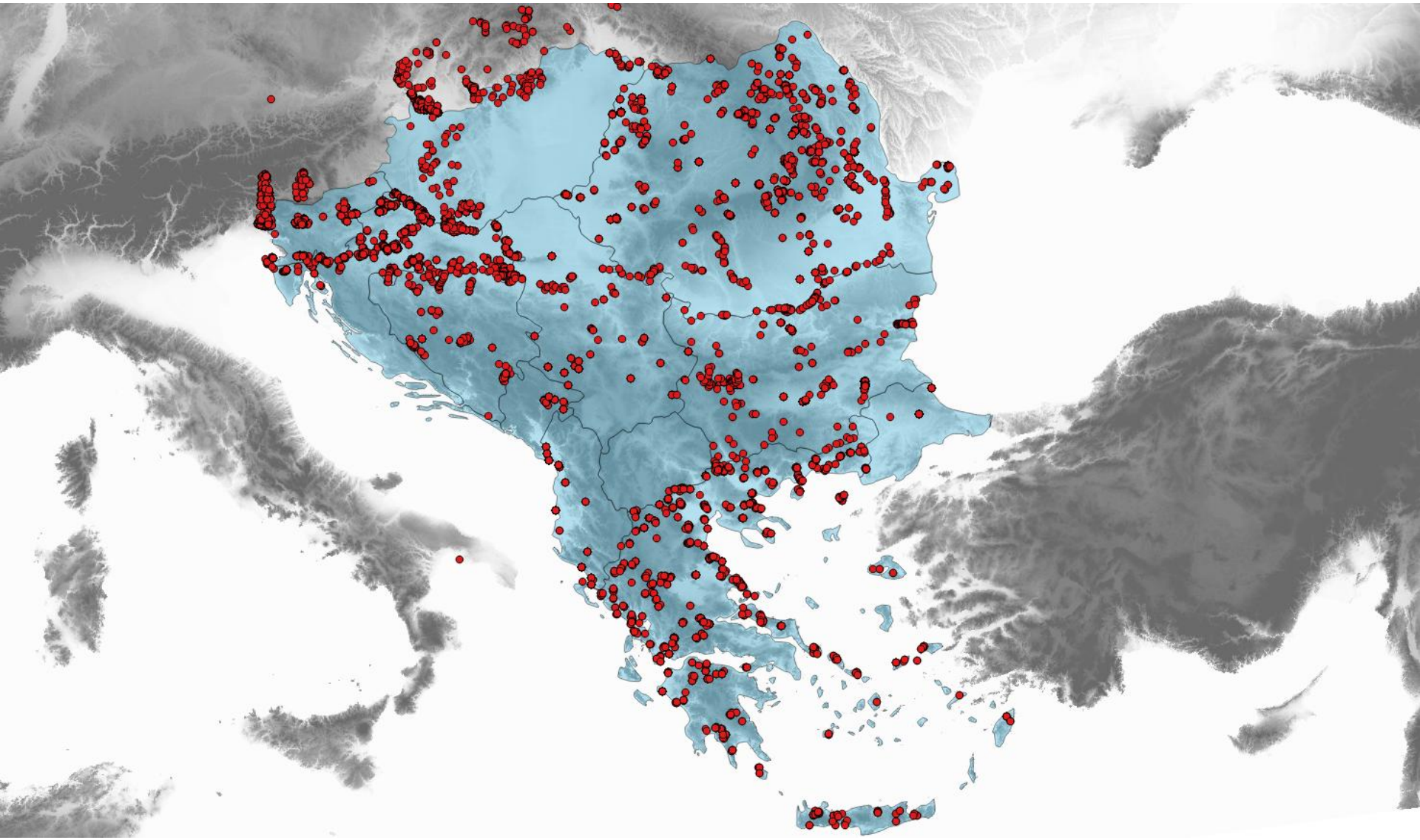
- The datasets of phytosociological relevés from SE Europe
- Short Term Scientific Missions

- Bosnia and Hercegovina, Bulgaria, Croatia, Greece, Macedonia, Romania, Serbia, Slovenia
- Together more than 6000 relevés

Methods

- Partial datasets were checked (plot area, coordinates)
- Species lists were harmonized and merged
- Header data were harmonized
- Final dataset was processed
- Nomenclature was unified according Euromed database



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Results

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Plant Science and Biodiversity Centre SAS

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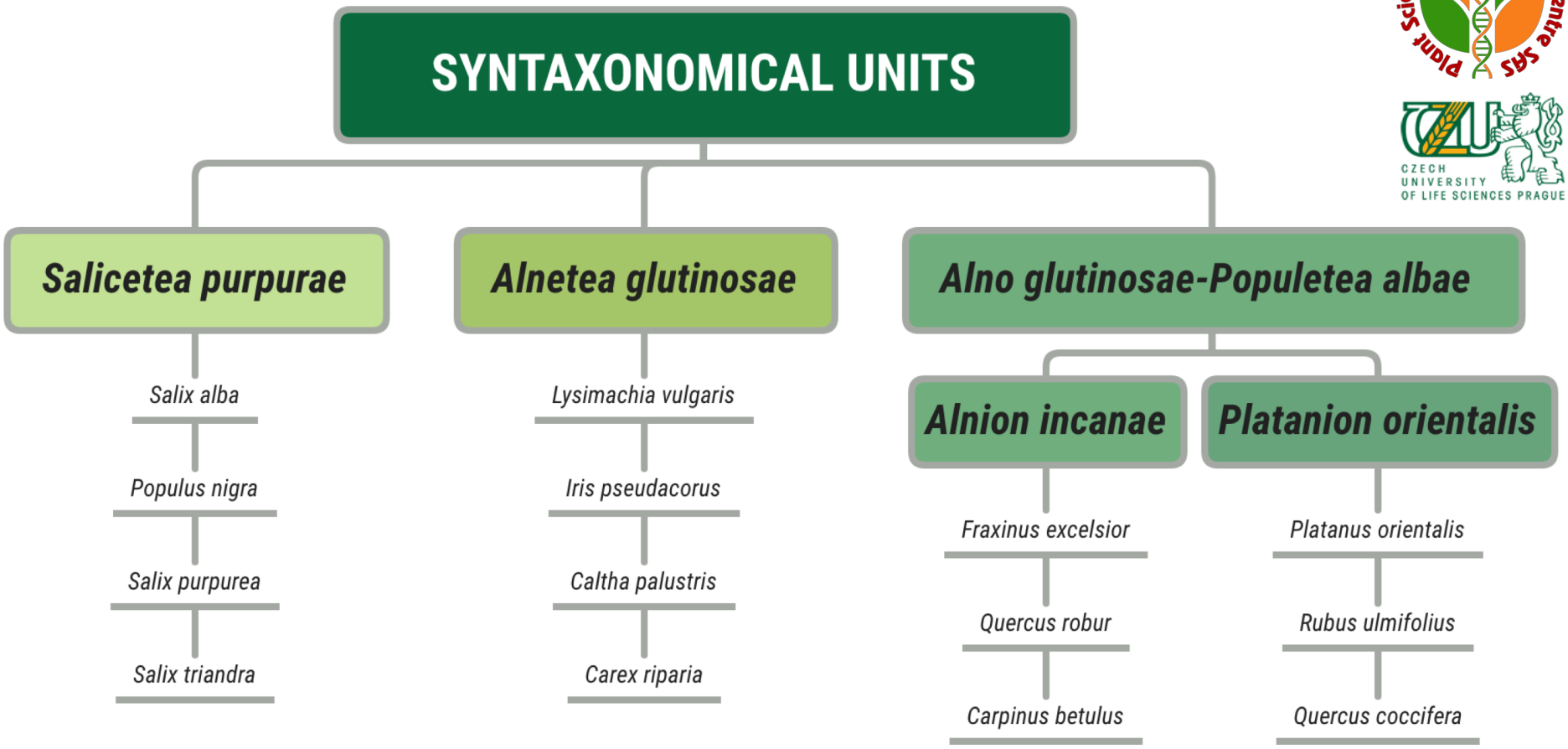

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Future aims

- Finalization of syntaxonomical system
- Preparation of the manuscript
- Using of syntaxonomical system in practice

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Thank you for your attention

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