

# Training workshop: Data processing and handling techniques for the purposes of efficient biodiversity data management and reporting

## Place and Date

Kolašin, Montenegro; 19 - 22 September, 2017

## Participants

12 persons

## Topics covered

- Using Free and Open Source software - overview of different functionalities, installation procedures, work environment configuration, plugins and packages management
- Spatial databases and spatial data formats - preparing spatial database for data storage, importing data
- Geographical concepts - map projections, coordinate systems, properties of different projections, most commonly used projections in SEE
- Getting data - using external data and resources - using OGC web services and other available spatial data; using taxonomic data and tools (taxon matching tools)
- Cleaning data - cleaning data, data tidying, structuring data
- Exploring data - table pivots and summaries
- GIS and cartography - mapping, visualizing GIS and tabular data
- Spatial analysis - vector data analysis, raster data analysis
- Sharing data and concepts of reproducible research

	Tuesday	Wednesday	Thursday	Friday
9.15-10.45	Introduction to Open Source software and Git	Getting data (data acquisition)	Spatial data analysis	User/group project
10.45-11.00	Coffee break	Coffee break	Coffee break	Coffee break
11.00-12.30	Installing QGIS and LibreOffice	Cleaning data	GIS Cartography	Presentation of user/group projects
12.30-14.00	Lunch break	Lunch break	Lunch break	Lunch break
14.00-15.30	Spatial databases and spatial data formats	Exploring data	Sharing data and concepts of reproducible research	
15.30-15.45	Coffee break	Coffee break	Excursion	
15.45-17.15	Geographical concepts	Spatial data analysis	Dinner	