

**Online sessions outline**

<b>N</b>	<b>Date</b>	<b>Session description (each 1h max)</b>	<b>Follow up Exercises</b>
1	Jan 11	Introduction to the course. Theory - Intro to cartography and geodata visualization, mapping basics, map design and components	Self-introduction
2	Jan 14	Introduction to desktop mapping – what is QGIS (typical GIS), main features, working with vector files, attribute table manipulation, editing the data. Simple map creation in QGIS – labelling, map composition, exporting the map, sharing the project	Homework(HW): Develop and submit first map, following detailed instructions
3	Jan 18	Different data formats and data sources, data availability, access, vector/raster, Earth Observations, where to look for data	HW: Explore provided links to main sources of geospatial data, find other useful sources
4	Jan 21	How to use data in CSV/Excel format, merging geospatial data with tabular datasets	HW: Develop a map based on instructions
5	Jan 25	Developing new datasets in QGIS – georeferencing and digitizing	HW: Convert an image into geospatial dataset, submit the developed vector file
6	Jan 28	Spatial analysis in QGIS – basic operations with vector/raster, simple suitability analysis	HW: Develop a map based on instructions
7	Feb 1	Additional features of QGIS – most useful plugins, changing projections	Work on individual project, consultations
8-9	Feb 4	Applications of geospatial methods – case studies presentations by course instructors, invited guests	Work on individual project, consultations
10	Feb 8	Project presentations and discussions	Individual project