Geographic information systems

Creating a map layout
(Lesson 6)

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Map layouts

Project → New Print Composer

- creating a map layout for printing:
    - setting the layout page size and orientation
    - adding titles and other text to a layout
    - adding pictures and graphics to a layout
    - adding north arrows and scale indicators
    - adding legends to a layout
    - positioning and aligning objects on a layout
    - exporting a map to image, SVG or PDF

Publishing GIS data on the web

- vector and raster layers we can publish as a Web Map Service (WMS) directly from the QGIS interface through the **Geoserver Explorer** plugin

- the plugin adds **Geoserver tools** into the **Processing Toolbox**

- **Geoserver** – an open source server for sharing geospatial data

- for publishing data, we must have access to some web server with Geoserver installed

Homework assignment no.3

- Create a map of tourist attractions in your region

  1. Creating vector layers

     - create vector layers of tourist attractions like churches, castles, memorials, important buildings and other monuments, amusement parks, ZOOs, botanical gardens, siteseeing towers, nature parks and trails, caves, spa and swimming pools and other attractions

     - create additional layers of tourist amenities like hotels, restaurants, parking lots, tourist information centers etc.

     - create additional topographic layers of roads, railways, watercourses, lakes, forests and built-up areas

Homework assignment no.3

- rules for vectorization:

    - vectorize all these layers on the base of publicly available web map services

    - features with the same theme and geometry (i.e. points of interests) should be stored in a single layer

    - type of the feature should be defined in attribute table (i.e. church)

    - other useful attributes (i.e. name of the monument) can also be stored in attribute table

Homework assignment no.3

2. Creating a map layout

- select the appropriate symbology for all types of features

- label features

- create a map layout with title, legend, north arrow, graphical scale bar, author's name or other supplements like photos of selected attractions

- export map to PDF and send it to stankova@fns.uniba.sk

The End

Thank you for attention!