Without a map, where are you?

LOST!
Aim of lecture

To describe and characterize geologic map and its parts

To resume steps of map compilation
  preliminary preparation
  field work
  legend (key) compilation
  database
  data processing
  drawing a map
  compilation of text explanations (geological report)

To exercise and discuss presented techniques
Geological mapping and map compilation is a step by step process.

- **Preparation work**
- **Field work**
- **Interpretation of data**
- **Compilation of map**
Program

Definition of geological map sheet and its parts
Legend to geological map
Geological documentation
Map compilation
Content of the Final report
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*Digital unification of the geological maps of the Czech Republic at the scale 1 : 50,000*

*Geological mapping of the Protected Area Žďárské vrchy at the scale 1 : 25,000.*

*Geological survey of the Trans-Altay Gobi at the scale 1 : 200,000*

*Geological survey of the Mongolian Altay at the scale 1 : 50,000*

*Lithogeochemical and geological mapping on the scale 1 : 10,000 of porphyry copper and volcanogenic gold deposits (Azerbaijan)*

*The regulation for compilation of the Geological Base Map of the Czech Republic at a scale of 1:25 000*
Source materials:

http://www.usgs.gov/

http://www.bgs.ac.uk/

http://www.stratigraphy.org/

http://www.structural-geology.org/Home.html

http://www.sqa.org.uk/sqa/46757.html

http://earth.leeds.ac.uk/geology.html