



ForBio course: Introduction to GPS and GIS

Oct 13, 2014 - Oct 14, 2014, Natural History Museum, University of Oslo

Exercise 1: GPS

In this exercise you will work together two and two to locate some of the jubilee benches set up this year (2014) to mark the 200 year jubilee for the Botanical Garden at Tøyen in Oslo.

<http://www.nhm.uio.no/besok-oss/botanisk-hage/historiske-benker/>

- 1) Navigation to coordinate using a GPS device.
- 2) Collecting your own coordinates using a GPS device.
- 3) Extracting GPS waypoints to your laptop. Report your results using the provided spreadsheet "*Exercise 1 Results.xlsx*" (in the DropBox folder).

[1] Which of the jubilee benches do you find at these coordinate. Load the coordinate to the GPS and navigate to the point. Write down the name of the bench you arrive at.

1st bench name:

Latitude: 59.91887 (59°55'7.93"N)

Longitude: 10.77230 (10°46'38.01"E)

2nd bench name:

Latitude: 59.91902 (59°55'8.47"N)

Longitude: 10.77182 (10°46'18.54"E)

3rd bench name:

Latitude: 59,91712 (59°55'1.63"N)

Longitude: 10,77150 (10°46'17.4"E)

[2] Walk to each of these jubilee benches and save the respective coordinates as a waypoint. You will save these waypoints to your laptop when we get back indoor to the auditorium.



Siebkes slate bench (Siebkes skiferbenk) is made from slate (skifer) and is located in the mountain garden (fjellhagen). The bench is built circling a Turkish hazel (*Corylus colurna*).

Latitude:
Longitude:

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The poplar bench (poppelbenken) is made from the wood of Canadian poplar (*Populus*). This bench is located in front (south) of the Geological museum (Brøggers building) in the willow garden (pilehagen).

Latitude:
Longitude:

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The grass bench (gressbenken) is made from living grass. This bench is located below the so-called "old garden" and can be seen to the right when walking up the oak alley from the entrance at Jens Bjelkes gate.

Latitude:
Longitude:

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Fredrik IVs bench is carved from larvikitt (of type "blue pearl") and is located south of the botanical museum next to the perfume garden (dufthagen).

Latitude:
Longitude:

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