

**GIS in Bioeconomy 2, 5 cr, 7.1.-1.3.2019, NOVIA:** <https://vimeo.com/291368292>

This course is aimed at practical applications of geographical, mainly raster analysis, and is primarily meant for students in the bioeconomy and environmental sectors. Some knowledge about GIS is necessary, but any basic introduction course to GIS (or similar knowledge) is sufficient as a starting point.

The course is practice oriented and includes a number of exercises, based on open data and open source software (QGIS 3) that the student can download for free. The main themes during the course are production and analysis of raster data (digital terrain models, image analysis), and handling and visualization of 3D and lidar (laser) data. The actual and potential use of drones in bioeconomy is also included in the course.

The study is implemented as a guided online course.

The free web book [Geospatial Analysis](#) covers the content of this course and more.

Responsible teacher is Romi Rancken, Yrkeshögskolan Novia.

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**Enrolment period**

Starts 19.11.2018 at 8.00

Ends 16.12.2018 klo 23.00

Enrolment form is in the HAMK website: <https://www.hamk.fi/projektit/digitalisaatiolla-luonnonvarat-biotalous/#opintotarjonta>. Remember to use your own school's email address when you enroll. The student places will be filled on registration order.

After the enrolment period, you will be contacted by email. Email message includes practical information about studying, usernames etc. The courses are free of charge.