

An aerial photograph of a landscape featuring a mix of forested areas and a golf course. The forest is in autumn, with trees showing various shades of yellow, orange, and brown. The golf course is green and includes several ponds. The text is overlaid on the left side of the image.

SV0014 GIS in forest and  
landscape  
7.5 hp, period 2a

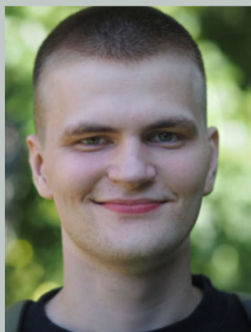
# Teachers and researchers you will meet during the course



Emma  
Holmström



Emily  
Delin



Maksym  
Matsela



Jörg  
Brunet


The course is part of the B.Sc. program Forest & landscape, Alnarp SLU, but is open for applications as a stand-alone course.

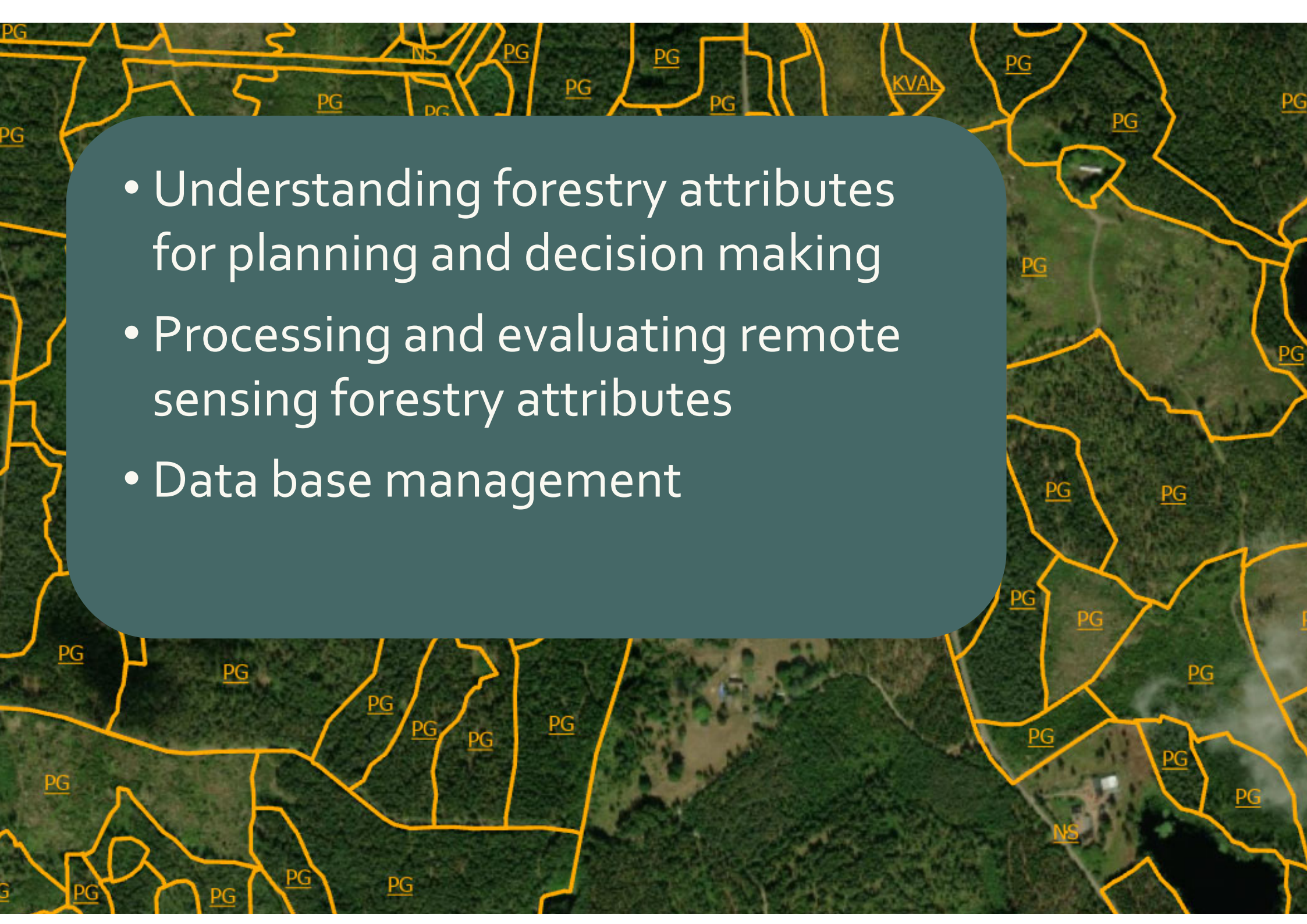
Course leader:  
Emma Holmström



# Introduction to GIS:

- Theoretical background to rasters and vectorised spatial data
- Exercises in ArcGIS PRO, R studio and field maps
- Create, process and visualize spatial data and produce maps for planning and reporting forest and land use information
- Campus based or online, choose in the beginning of the course

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- A historical topographic map of a region in Sweden, showing various settlements, water bodies, and land parcels. The map is overlaid with a semi-transparent olive-green box containing a list of bullet points. The map features labels for places like Hyby, Yaddingen, and Fjellfota. A prominent water body, Yaddingen, is highlighted in light green. Other water bodies include Fjellfota sjön and several smaller lakes. Land parcels are outlined in red and yellow, with some containing numbers like 151, 157, 162, 179, 182, 185, 201, and 202. The map uses contour lines to indicate elevation and various symbols for buildings and infrastructure.
- Digitisation of historical maps
  - Create and editing shapefiles
  - Landuse change over time

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- An aerial photograph of a forested area with numerous yellow polygon overlays representing land parcels. The parcels are labeled with 'PG' in yellow text. Some parcels are labeled 'NS' or 'KVAL'. The background is a dense green forest with some cleared areas and a small building visible in the lower right.
- Understanding forestry attributes for planning and decision making
  - Processing and evaluating remote sensing forestry attributes
  - Data base management

- Green infrastructure GIS
- Reindeer planning, RenGIS
- Data collection in field



Welcome to apply!

SCIENCE AND  
EDUCATION

FOR

SUSTAINABLE  
LIFE

FABLE

