

Martin Andersson, PhD

WEB

<https://github.com/MartinTropse>

EMAIL

martin.tropse.andersson@gmail.com

PHONE

072-2418896



WORK

2019 - Water analyst, County Board of Östergötland

2018 - Freshwater ecologist, County Board of Östergötland

2013 - 2018 PhD in Limnology, Uppsala University

EDUCATION

2010 - 2012 - Master in Limnology, Uppsala University

2007 - 2010 - Bachelor in Ecology, College of Gotland

WORK ROUTINE

Water projects: I am currently working within several projects tackling water issues on a landscape level, such as the EU projects Seabased and Coast4Us. Tasks range from looking at water chemistry, writing environmental law applications, communicating between partners to writing procurement. This part of my job requires flexibility, collaboration and open-minded problem solving.

Coding: I like coding, it feels like magic! As of late my coding is mainly focused on automation. My most recent script is an extraction-tool from a web database. The script data mines large collections of PDF reports using an OCR-module and greatly condenses the information based on user search queries. Another recent script includes a tool that connects phone numbers and postal addresses to properties at any location. For more scripts and details check out my github!

GIS: Currently I am working on a project that uses Sentinel-II satellite images to identify early stages of bark beetle attacks. The project is rather ambitious and aims to combine API's, data analysis, GIS analysis, statistics and machine learning into a semi-automated workflow. Prior projects include analysis of ecosystem services and a priority index of water dams that weighs societal benefits against ecological harm. If you want to know more please ask away!

LANGUAGES

Swedish - Native

English - Fluent

Chinese - Basics

PROFESSIONAL SKILLS

WATER PROJECTS ●●●●●●●●

BIOGEOCHEMISTRY ●●●●●●●●

ORAL PRESENTATION ●●●●●●●●

ENVIRONMENTAL LAW ●●●●●●●●

PYTHON/R ●●●●●●●●

ArcGIS ●●●●●●●●

STATISTICS ●●●●●●●●

MACHINE LEARNING ●●●●●●●●

REFERENCES

Emma Hagström - Branch Head Norrköping Municipality
hagstrom.emmaa@gmail.com, 073-153 0333

Sabina Hoppe - PhD in toxicology, EU-Interreg project leader
sabina_hoppe@hotmail.com, 070-587 9890

Silke Langenheder - Associate professor, Uppsala University
silke.langenheder@ebc.uu.se, 073-820 1854

Eva Lindström - Professor, Uppsala University
eva.lindstrom@ebc.uu.se, 018-471 6497