Scaling tree- to stand-level transpiration in mature boreal forests in northern Sweden

Project goal

The main goal of this project is to understand the pros and cons of different methods for scaling tree- to stand-level transpiration, to propose the best approach for boreal forests in Northern Sweden. There is a degree of freedom, and should you choose to pursue this project, it will follow an inquiry-based* approach.

*More about inquiry-based research: https://en.wikipedia.org/wiki/Inquiry-based_learning

What you will get out of this project

Upon completion of this project, you will learn various tools, which are applicable to jobs inside, and outside academia, some of them include:

- Introduction to the R language
- Ability to process data to create scientific-quality figures in the R language
- Basic forest inventory techniques
- Understanding of water use patterns in boreal forests in northern Sweden
- Programing of scientific equipment for forest monitoring
- Application of inquiry-based research to problem-solving
- Understanding of methods used to estimate tree-level transpiration

Structure

This project has both field and office components. Most of the data you need will be provided, and some will be collected near the Svartberget Research Station during the Spring/Summer.

For more information, please contact me:

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