



Sveriges lantbruksuniversitet  
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## Boreal continuity forest components for green infrastructure implementation

The concept of Green infrastructure (GI) is a main stream EU policy aiming to secure long-term functionality of ecosystems at multiple spatial scales. GI can be defined as a strategic and operational planning network of natural and semi-natural areas that specifically is designed to provide and mobilize ecological connectivity, conservation and multi-functionality in ecosystems. For boreal landscapes, forests with continuity values have a critical role to secure those features. Recently, detailed mapping of proxy continuity forests (pCF) have been completed for the boreal biome in Sweden. Both Metria and the Swedish Forest Agency are currently working with quality improvements of the data, in cooperation with SLU research. This project will focus on density and network analyses based on mapped pCF in combination with already known nature conservation core areas, including protected areas and woodland key habitats, etc. To allow enough resolution and accuracy, the study will be conducted on mountain to coast watershed scale for one or two main rivers in northern Sweden.

**Extent:** The project is suitable for a 60 credit thesis. GIS-skills are required.

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