

# Nordic NFI's work together to improve forest resource assessment and projection

Despite the fact that national forest data are being collected in almost the same way in all Nordic countries, projections of forest resources are made individually in each country, presumably using quite different methods and creating quite different results. The main activity of our network, Nordic Co-operation Group for Forest Inventory, was to gather national specialists from the Nordic and Baltic countries to discuss detection and projection of change in forest resources.



The overarching aim of the network was to enhance knowledge and synergies among the Nordic NFI's within resource projections based on forest inventory data. Subsequently, the aim of the meeting hence was to:

1. discuss different approaches to forest resource prediction
2. disseminate knowledge on the precision and problems associated with various approaches
3. synthesize state-of-the art in forest resource projections
4. assess and discuss the consequences for the determination of reference levels in relation to climate gas reporting



## Results

The main activity of the network was a meeting at the Forestry College in Nødebo. A total of 35 specialists in forest inventory and resource projections were gathered for three days and made 25 individual presentations that can be viewed at: <https://ign.ku.dk/english/carisma/>.

Presentations demonstrated that NFI's are extensively being combined with multiple remote sensing products to improve accuracy and spatial resolution. Herby NFI's are bridging multiple scales from the national/regional to the local and even forest stand level.

Despite the apparent homogeneity of data available for forest resource assessment, the methods used for assessment and projection

of resources across the Nordic countries are still highly variable. Among other things, this has implications for the national assessment of forest reference levels of carbon reporting.

## Recommendations

Future effort should be made to share experiences on the use of remote sensing tools and methods of projecting forest resources and carbon emissions. This will reinforce the leading position of the Nordic countries in sustainable forest production and strengthen the role of forests in climate change mitigation.

## About the network

The Nordic Co-operation Group for Forest Inventory aim to maintain relationships and cooperation between scientists working in the field of forest inventory and planning in the Nordic countries. The network provides a platform for harmonization and exchange of experiences between the National Forest Inventories (NFI) in the Nordic countries.