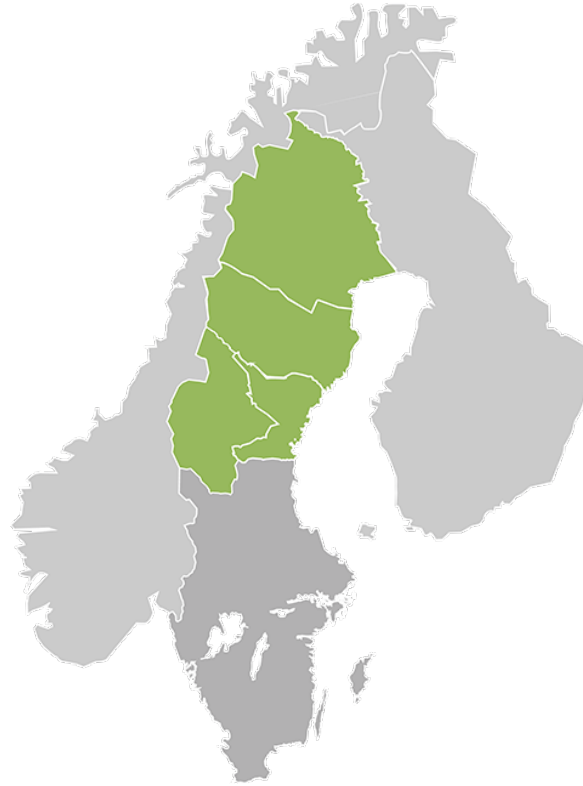


# CROSS-REGIONAL ASSESSMENT WORKSHOP

Region:  
Northern Sweden  
BioFuel Region



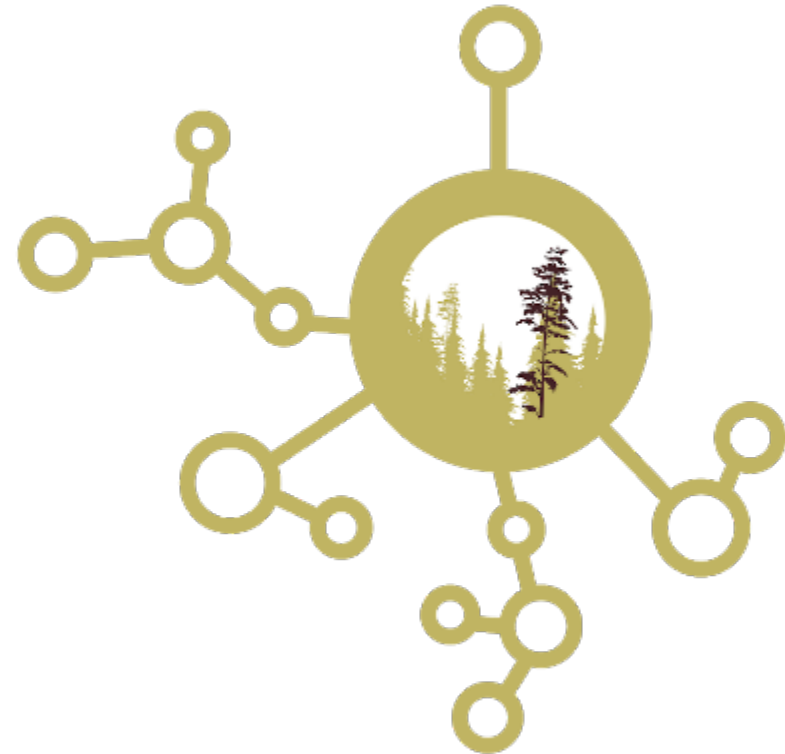
Northern Sweden  
97 % of the productive land  
is is covered with forest



# BRIEF OVERVIEW OF THE VALUE CHAIN 1 AND 2

## SAWDUST AND BARK

- Added value to forest industry by-products today used for combustion
- Potential upgrading to bioplastics, biochemicals or biofuels



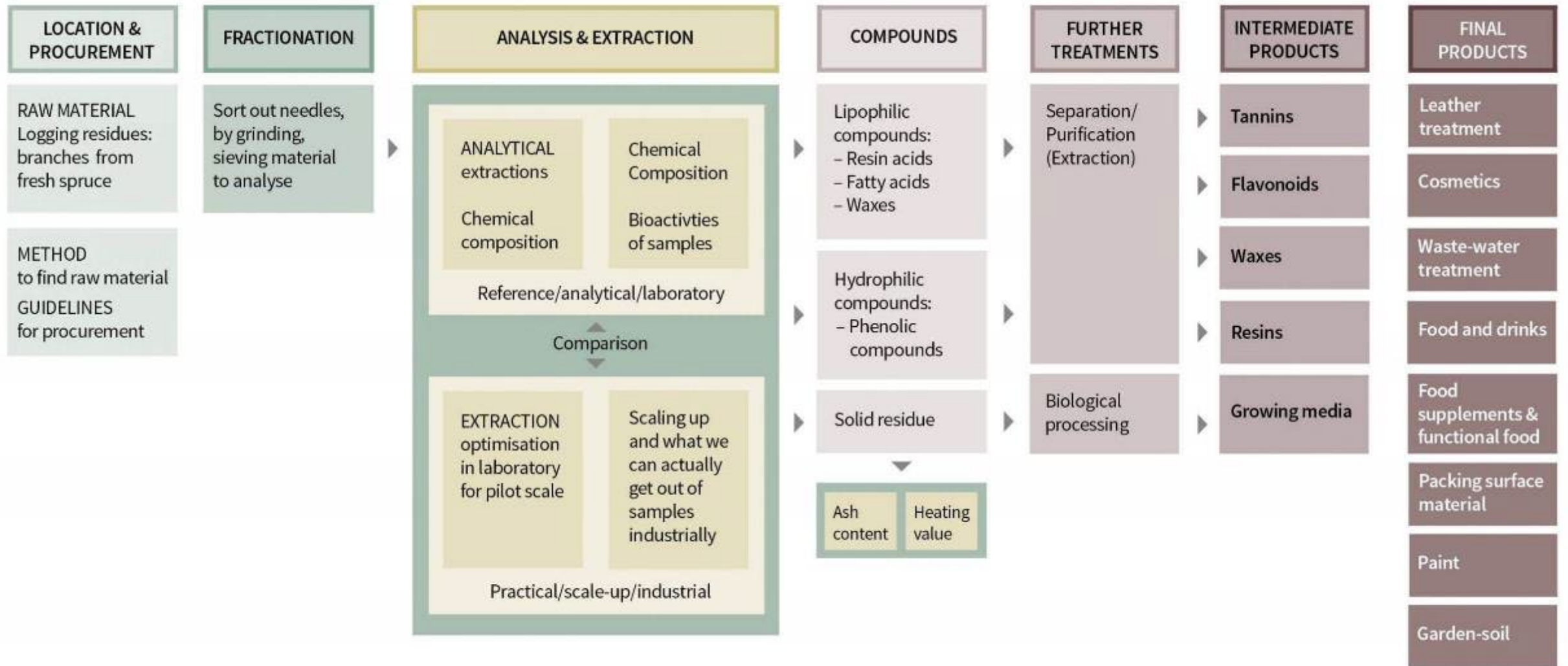


POTENTIAL UPGRADING  
TO BIOPLASTICS,  
BIOCHEMICALS  
OR BIOFUELS

Logging residues

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# AVAILABLE SKILLS AND CAPABILITIES IN THE REGION

- Long tradition of forest management and forest industry activities
- Entrepreneurship
- R & D
- Bio Clusters
- Innovation hubs
- Public awareness



# OPPORTUNITIES & LINKS WITH PREVIOUS IMPLEMENTATIONS, STRATEGIES OR ROADMAPS

- Fossil free Sweden - Strong political commitment and roadmaps
- National and regional forest programs
- Regional development strategies
- Smart specialization strategies
- Other strategies



# FORESEEABLE BARRIERS FOR DEPLOYMENT

*The proposed EU legislation will make Sweden in general, and northern Sweden in particular, contribute less to climate mitigation!*

- LULUCF – land use land use change
- RED – renewable energy directive
- Deforestation regulation
- Nature restoration
- The Forest strategy

