



NIBIO

NORWEGIAN INSTITUTE OF
BIOECONOMY RESEARCH

Forest Resources in Norway & Troms

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Norwegian National Forest Inventory

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Fifth (25th) meeting of the *“UNECE/FAO Team of Specialists on monitoring sustainable forest management”*

Tromsø, Norway 22-24 May 2017



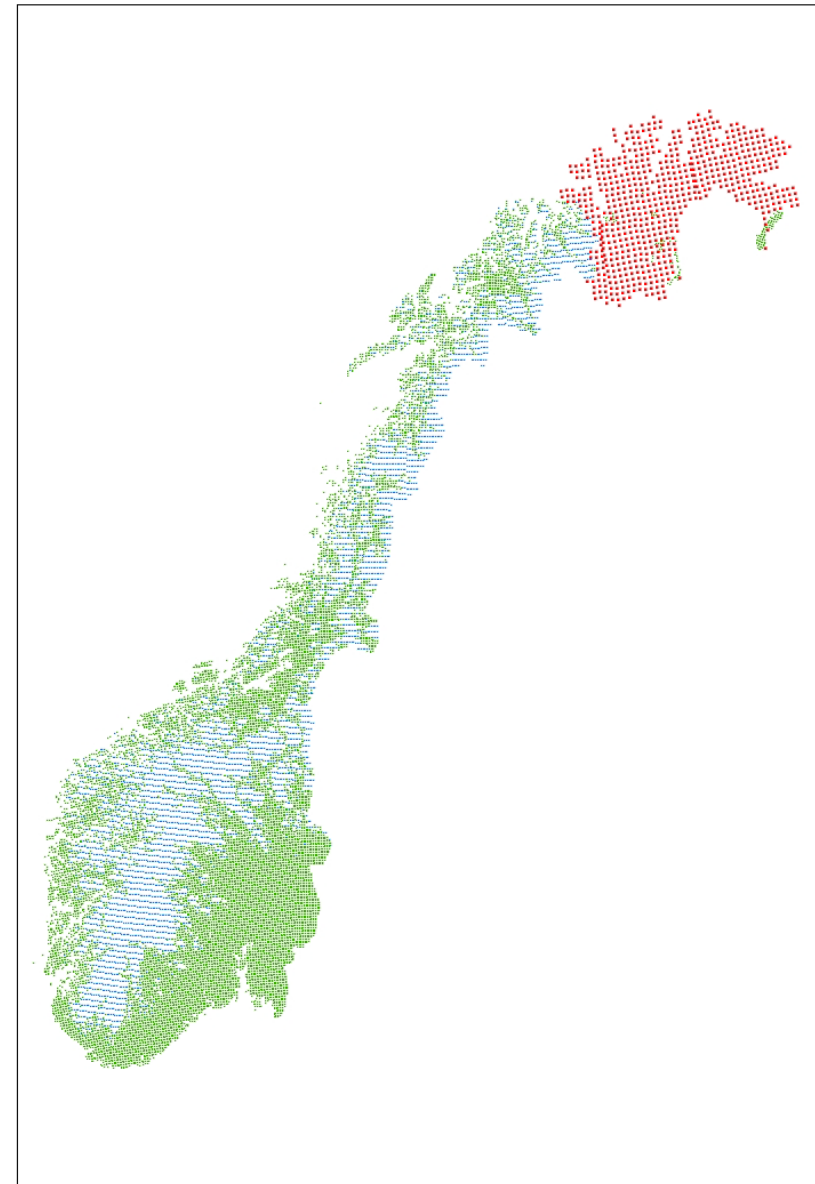
Tromsø
-in Troms county

-372 km direct line
to Arctic circle
-about 9 hours drive

Norwegian National Forest Inventory

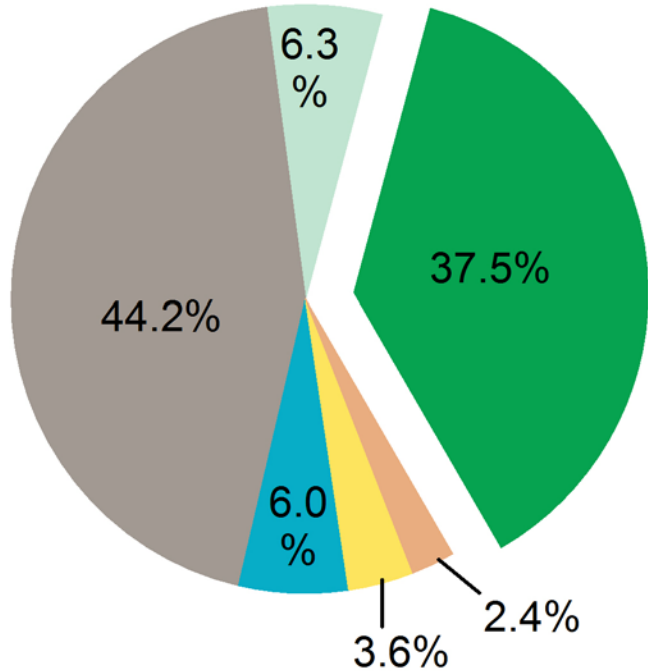
- Started in 1919
- Permanent plots: 22 000
- Visited by field crew: about 12 000
- 5-year rotation period

- Grid:
 - Area under coniferous limit 3x3 (Green)
 - Mountain area 3x9 (Blue)
 - Finnmark 9x9 (Red)



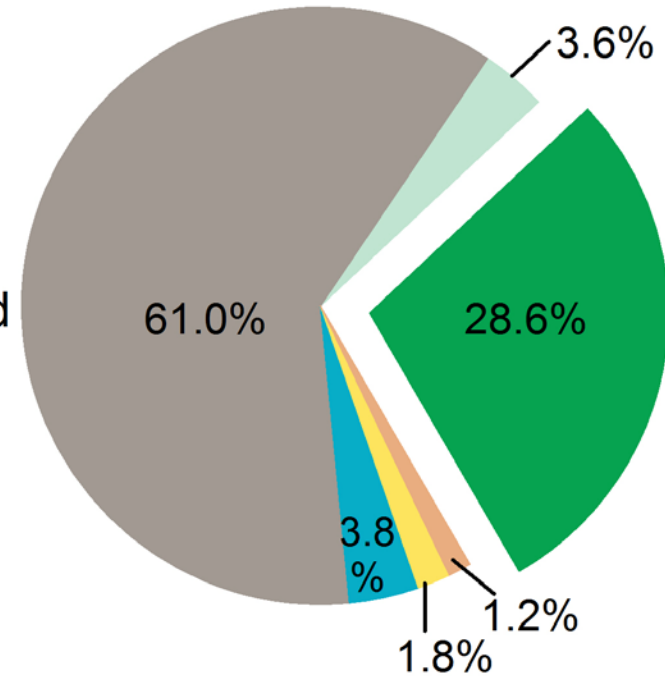
Land area

Norway 323 178 km²



- Forest area wood supply
- Other wooded land
- Bare land
- Water
- Agricultural land
- Other land

Troms 25 877 km²



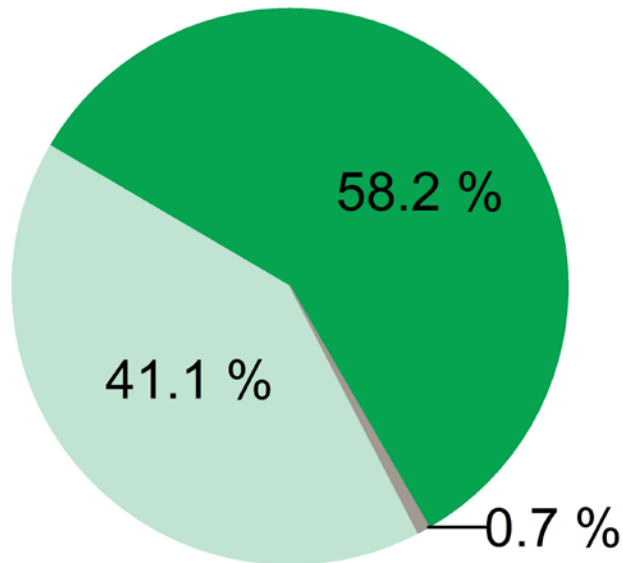
Troms county:

Land area: 8 % of Norway's land area

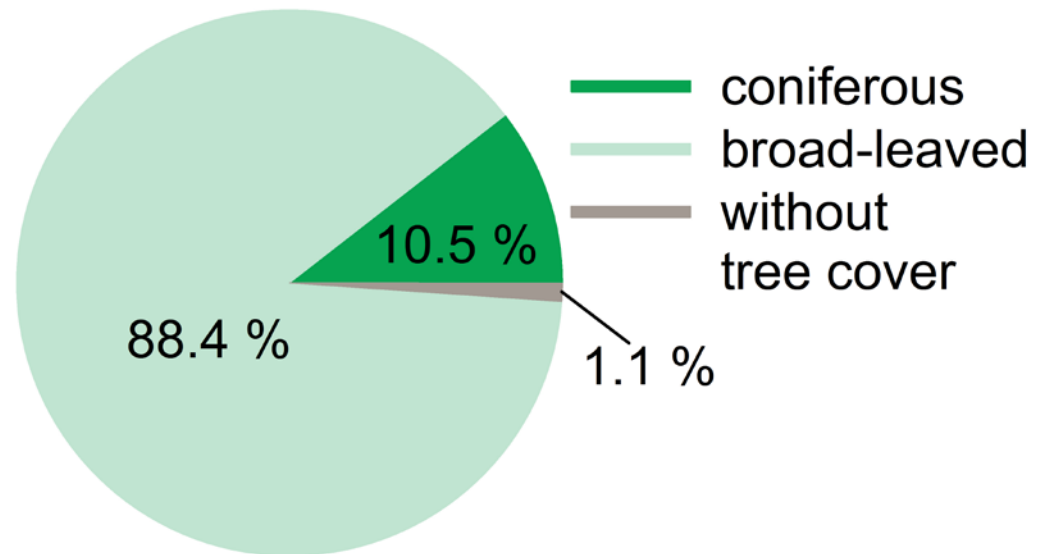
Forest area: 6 % of Norway's forest area

Forest area

Norway 12.14 mill. ha



Troms 0.74 mill. ha



Norway:

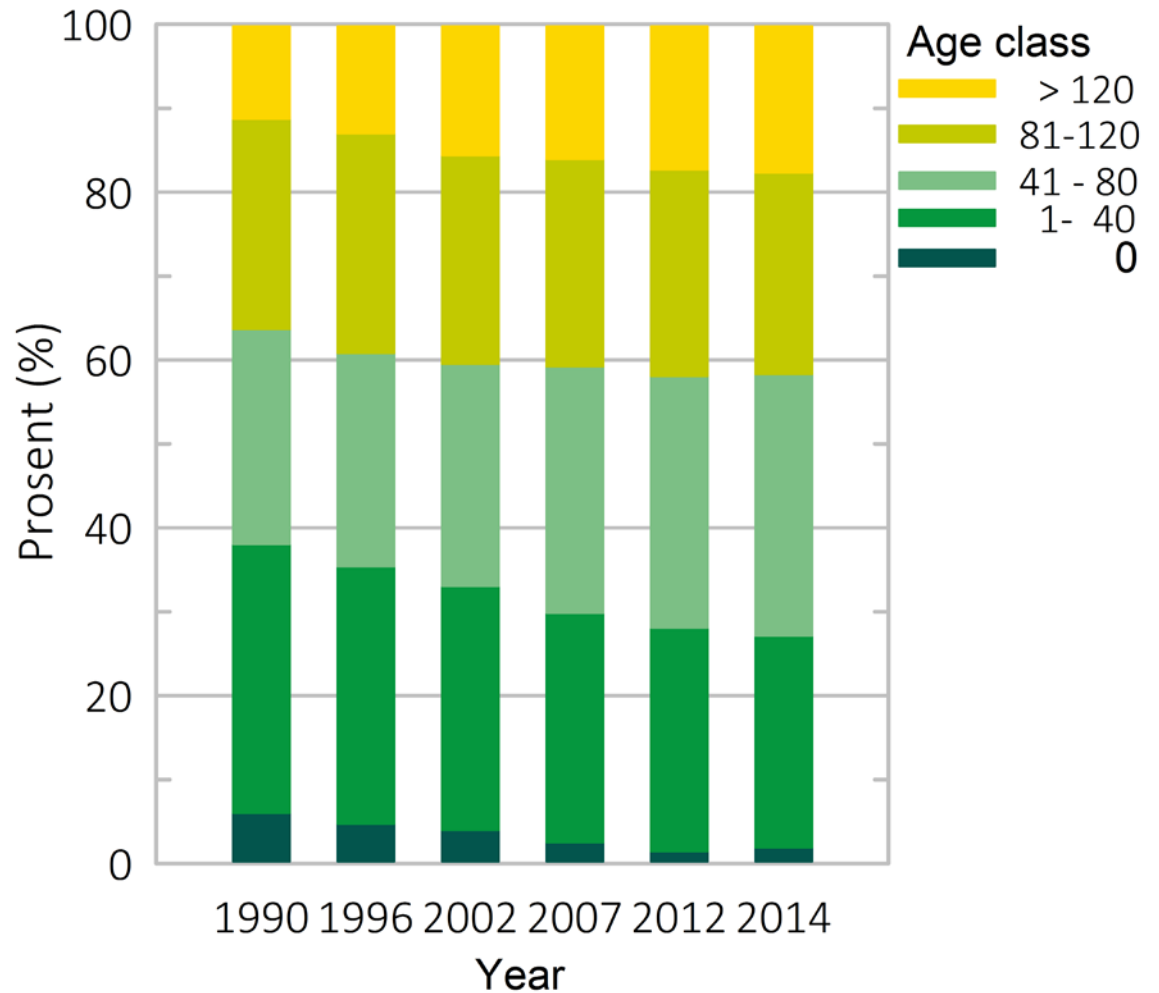
- 95 % - forest management
- 4 % - protected forest area
- 1 % - other use

Troms county:

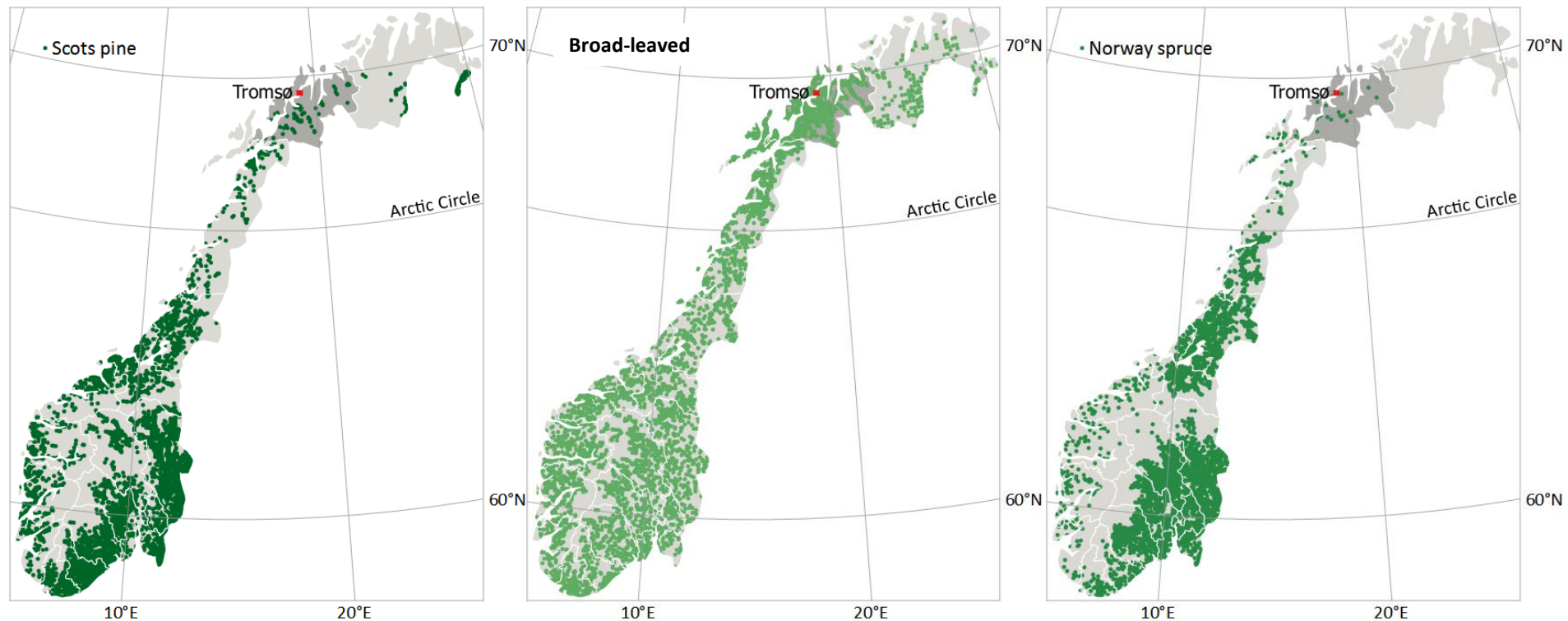
- 1 % of coniferous area in Norway
- 13 % of broad-leaved area in Norway

Age classes

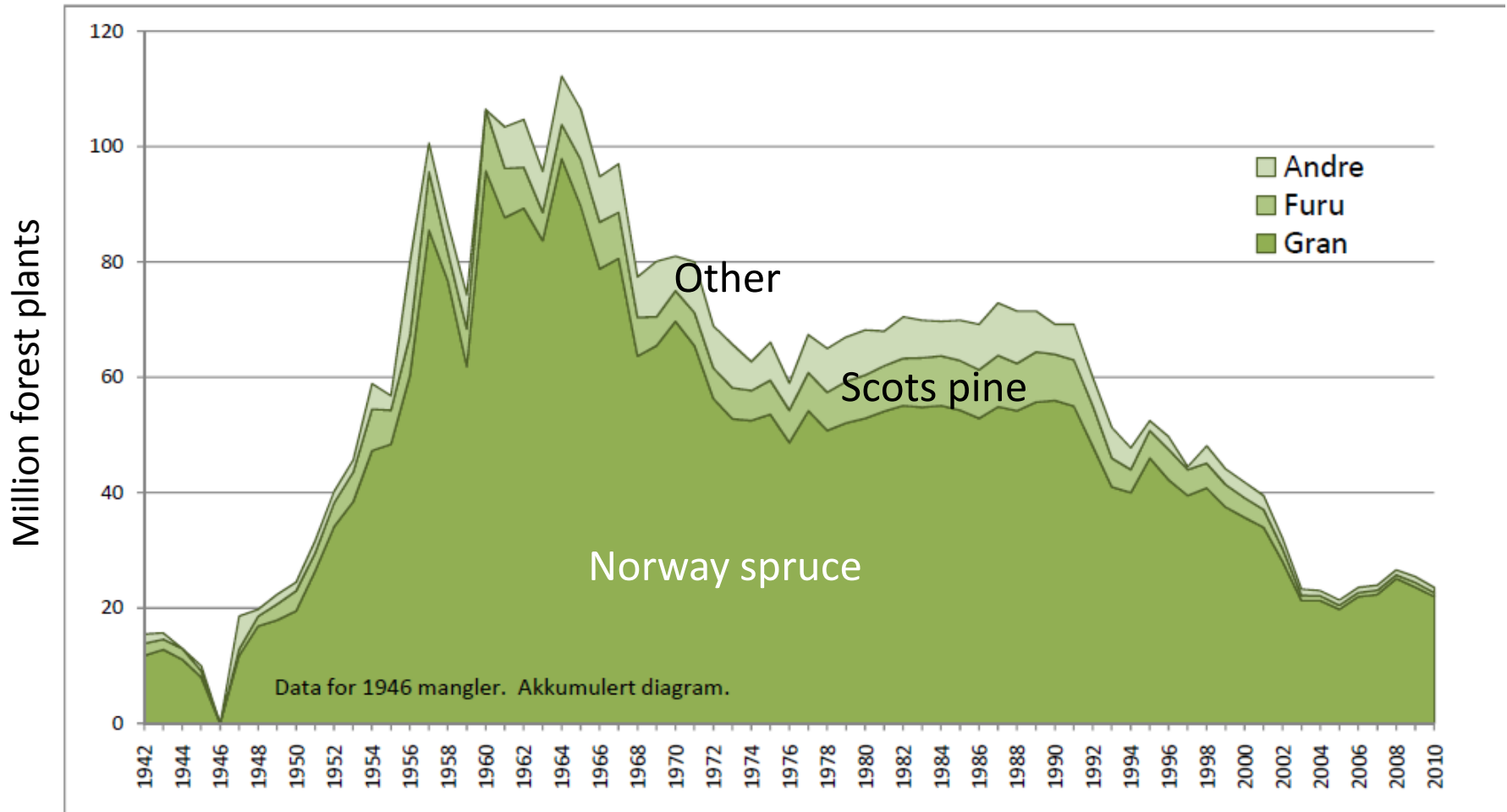
1-40 years: decrease
> 120 years: increase



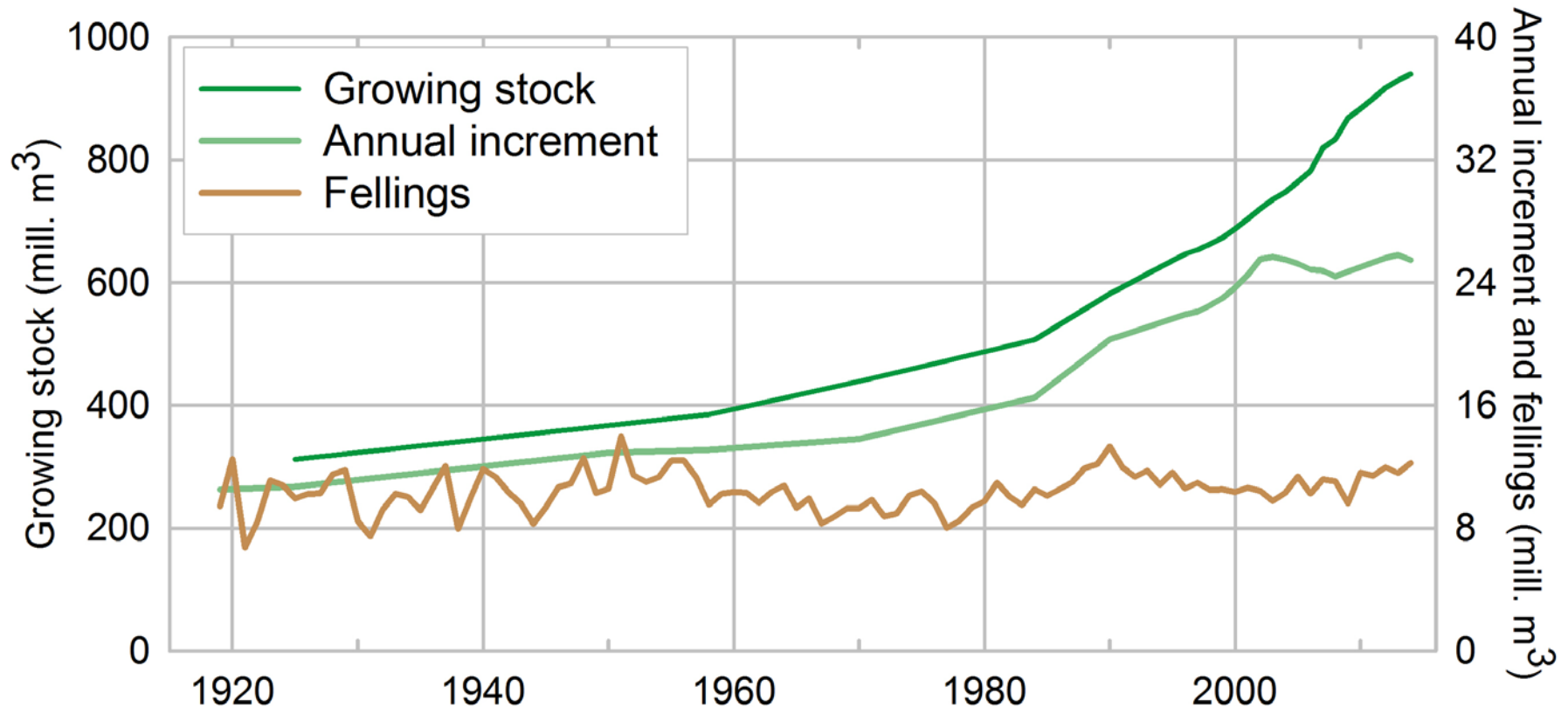
Tree species distribution



Number of forest plants sold in Norway

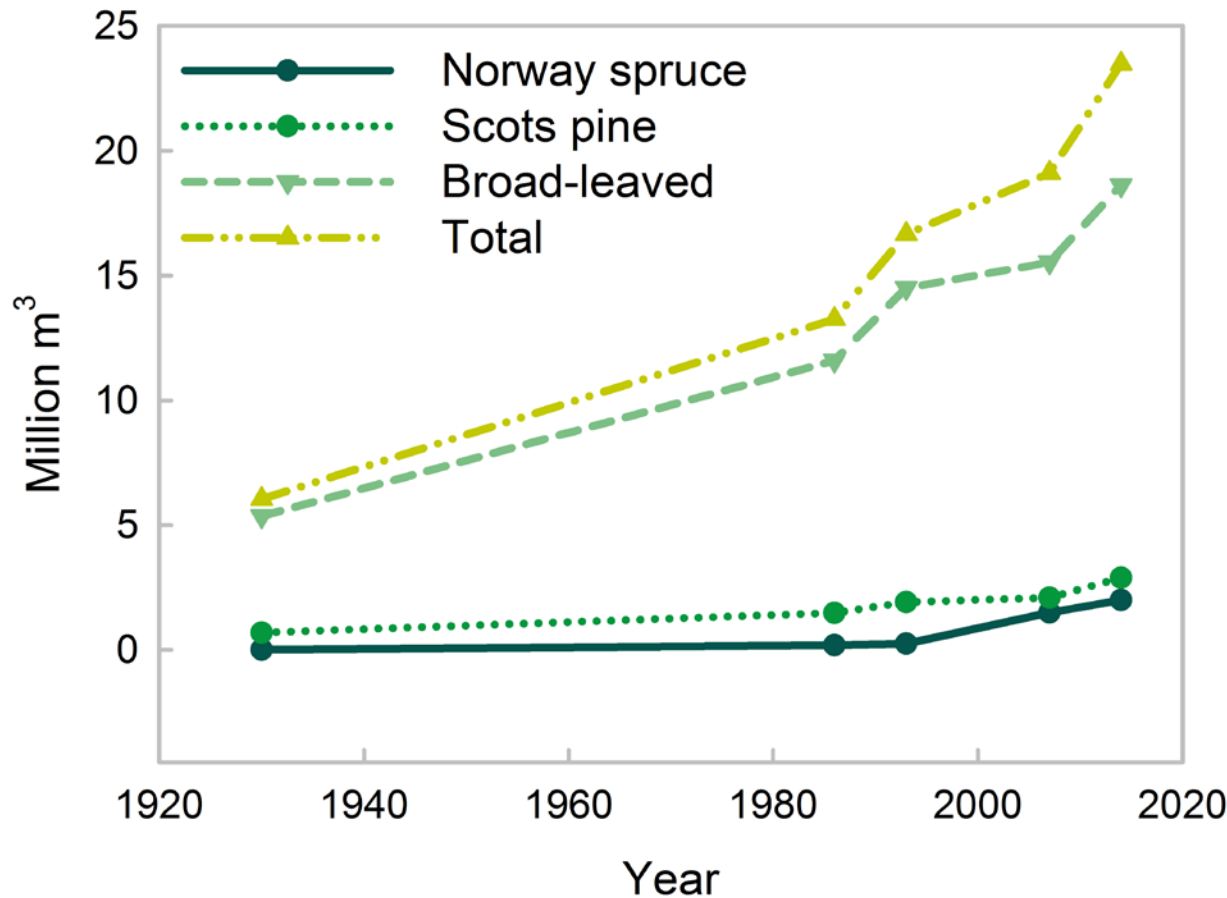


Growing stock, increment, fellings



Source: Norwegian Institute of Bioeconomy Research and Statistics Norway

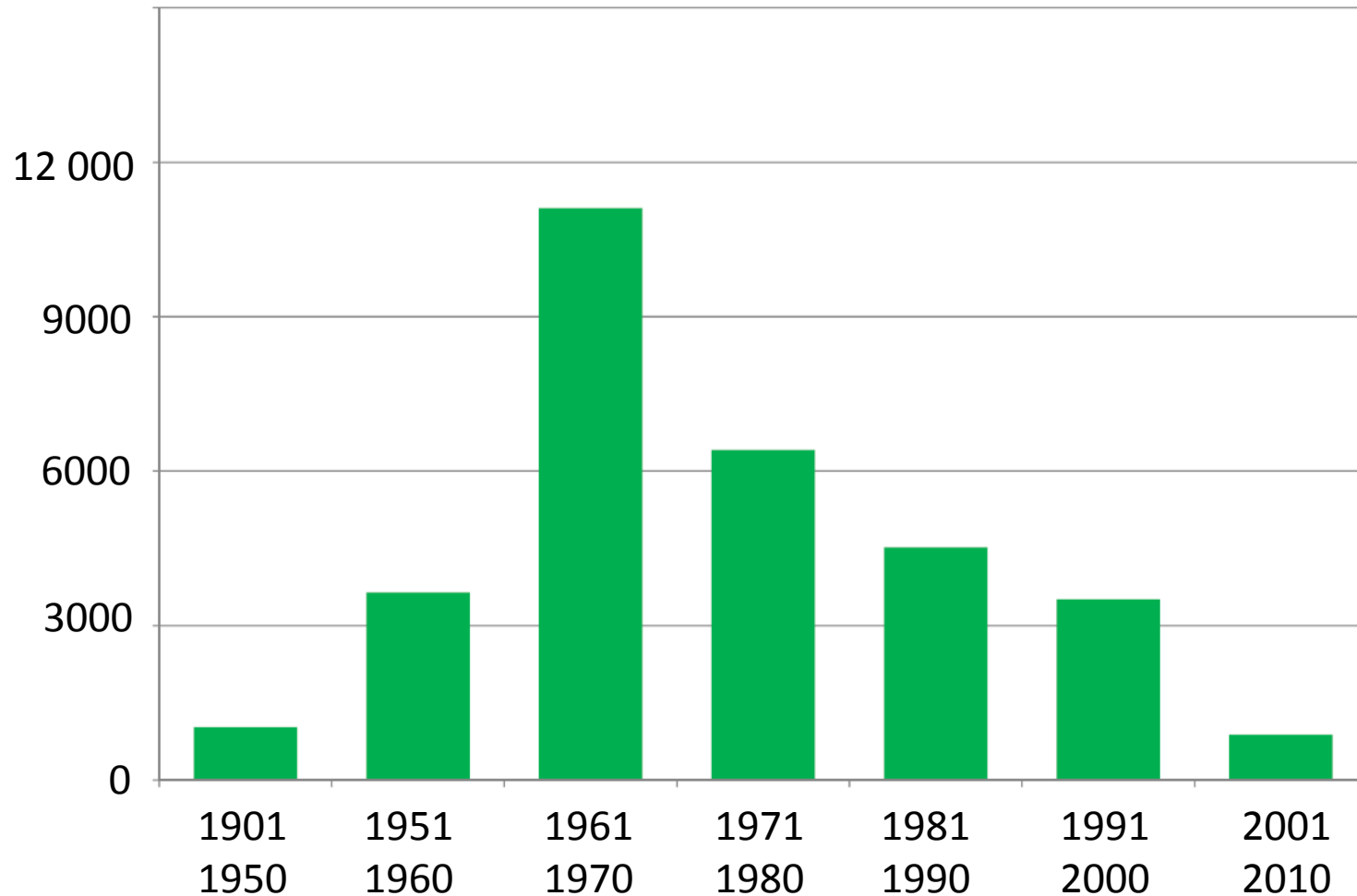
Troms: growing stock 1930-2014



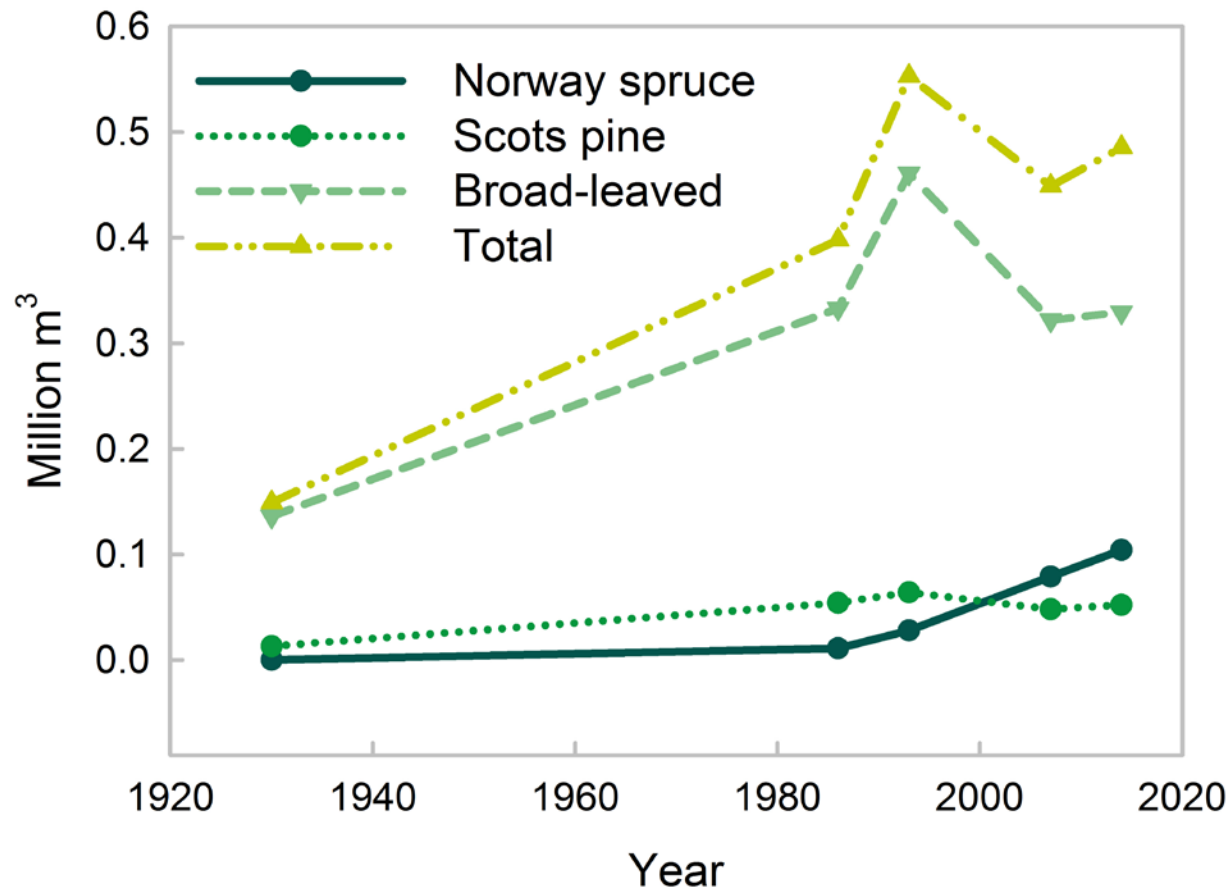
2014:
2.5% of growing
stock in Norway

Troms: Afforestation - Norway spruce

Hectar



Troms: Gross increment at $DBH_{1.3} \geq 5$ cm



2014

1.9 % of
gross increment
in Norway



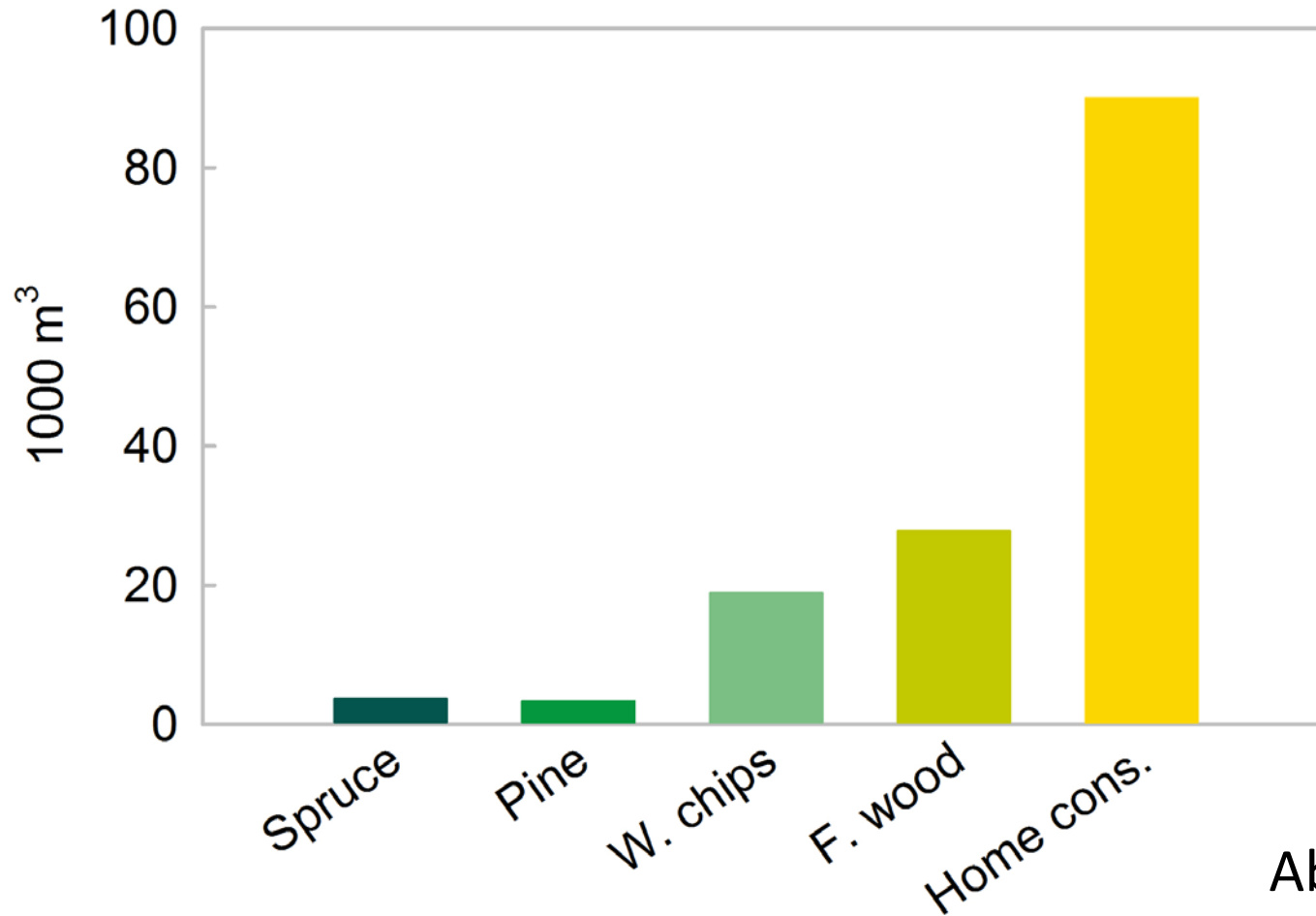
Forskning.no



Epirrita spp.

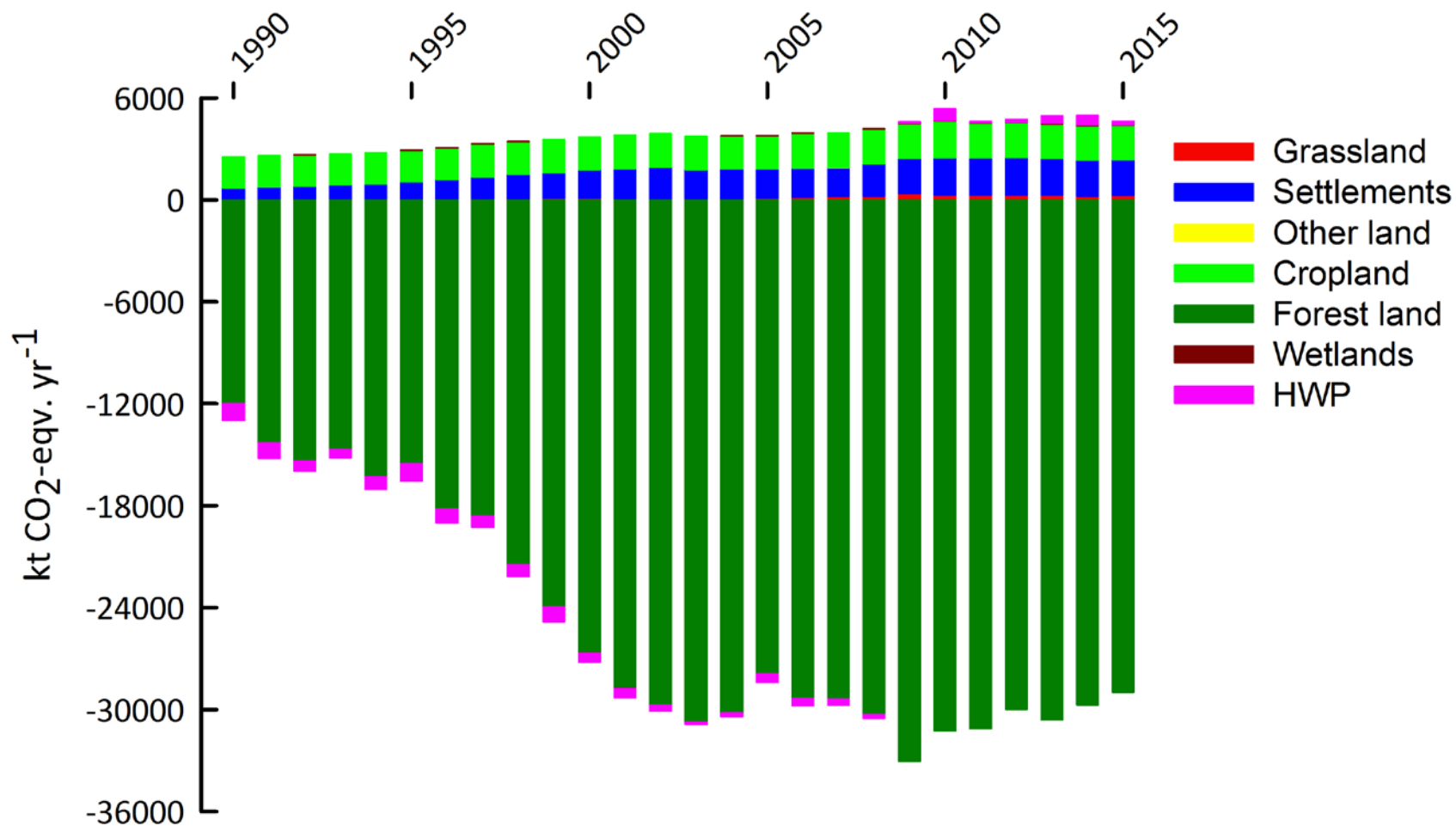
Truls Lerdhal

Troms: Harvest for sale & home consumption: about 37 % of gross increment (2014)



About 150 000 m³

LULUCF: Net CO₂ removals: 24.3 mill. CO₂-eqv.
Offsets about 50% of 53.9 mill. tons emissions



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Thank you for your attention!