



**NORGES  
SKOGEIERFORBUND**


# Oslo Workshop

20-21 October 2015

16.11.2015

1

## The Forest Co-operative in Norway



**The Norwegian Forest Owners' Federation**


**7 District Co-operatives**

**36.000 Co-owners**

**We represent:**

- 72 % of annual harvest in Norway (2014)
- 50 % of productive area
- 45 % of all forest owners
- 6 and 7 merged in 2015, now called Vestskog.
- Ongoing merging between 1 and 2

16.11.2015



2

## The regional co-operatives

The regional forest owners` co-operatives offers:

Logging, planting and tending of young stands, etc.

You can just pick up the phone and ask your co-operative to take care of everything related to your forest.

The co-operatives buy and sell timber.

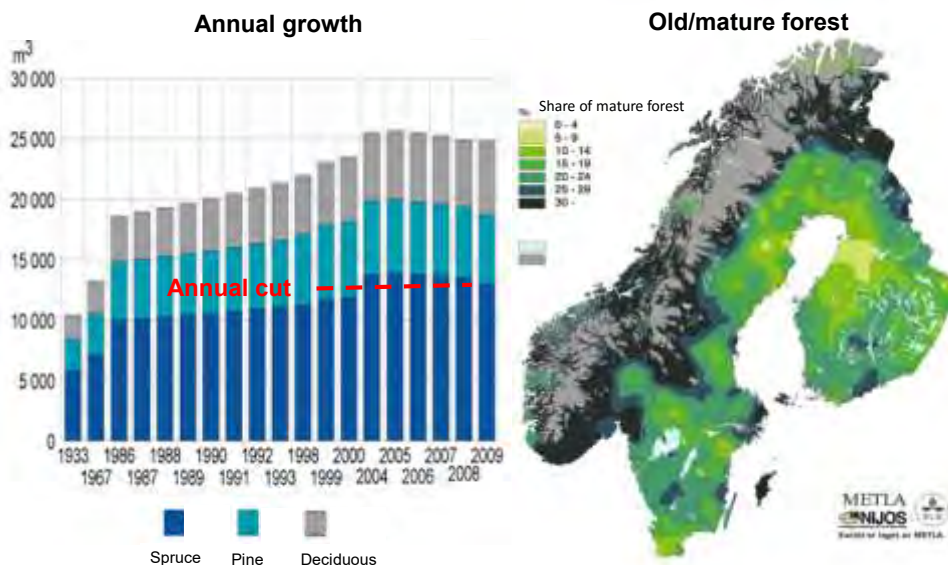
They also work with:

establishing new timber using industry

Give advices and assistance to the forest owner in different matters.

Economical and juridical counselling

## Our resource base



## Annual harvesting and price, last 10 years



16.11.2015

NORGES SKOGEIERFORBUND

5



## Possible to increase harvest with 35- 50 %



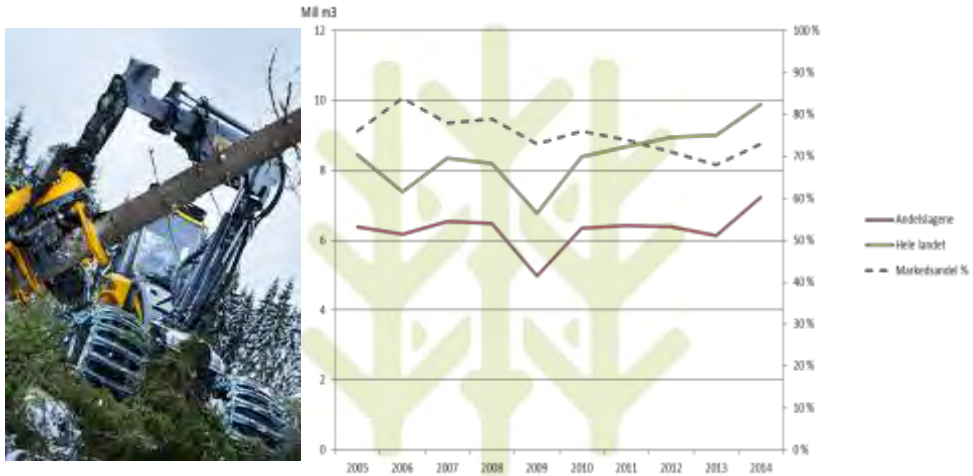
### TILVEKST OG AVVIRKNING 1918–2012

TALL I MILLJONER M<sup>2</sup>



16.11.2015

## Forest Owner Federation – increased market share



16.11.2015

NORGES SKOGEIERFORBUND

7

## Industry



16.11.2015

NORGES SKOGEIERFORBUND

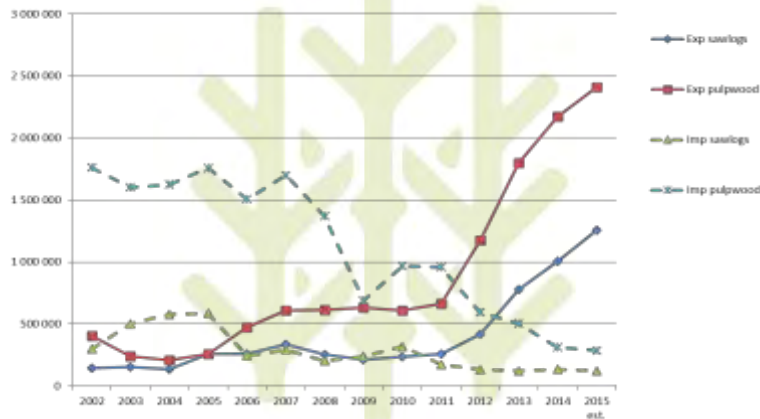
8

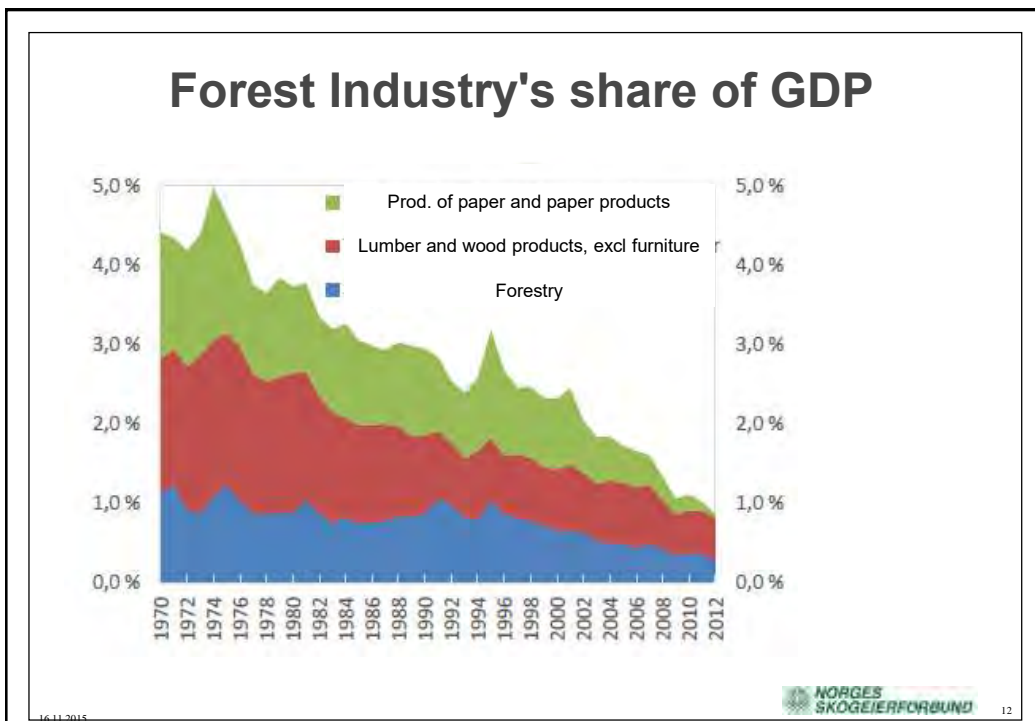
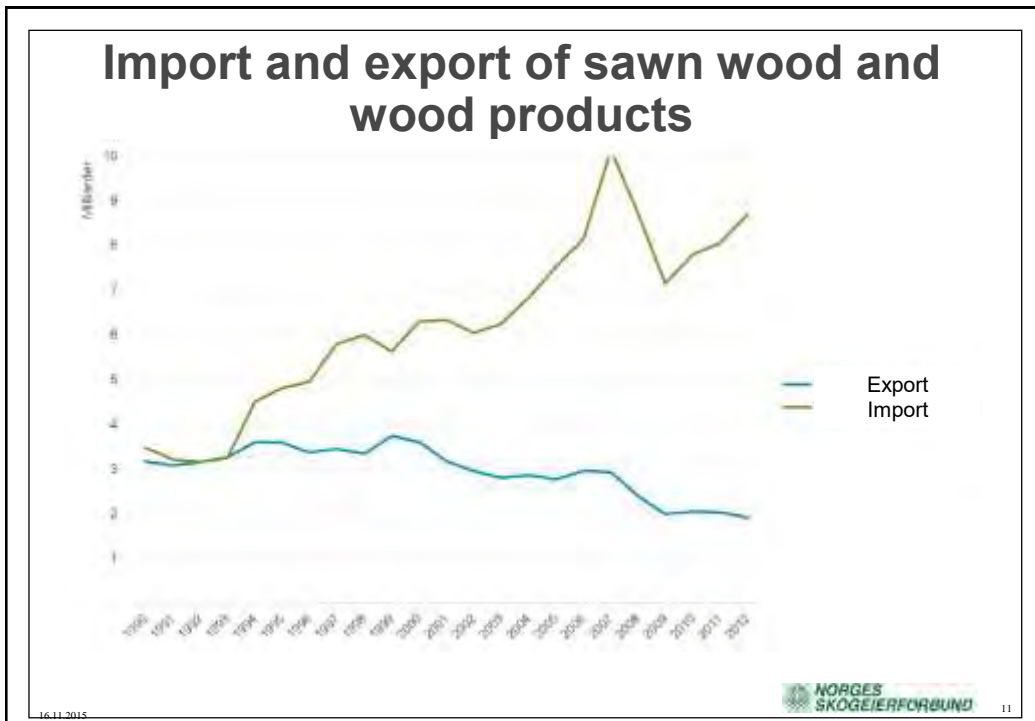
## New Timber ports

Our agricultural minister, Sylvi Listhaug, opens a new timber port in Kaupanger 23. mars 2015.



## Roundwood import and export from net importer to net exporter





## Opportunities

- **Bioeconomy – the shift to a green economy provides opportunities for the forestry sector**
  - Replace «fossil products»
  - The forest is the solution
- **Nordic countries dominates the expansion of pulp production in the next years:**
  - 56 % of the worlds planned increase of pulp production will come in Sweden and Finland
- **Several groups are working on the development of new forest industry in Norway**

16.11.2015


 NORGES  
SKOGEIERFORBUND

13

## Number of products based on cellulose / lignin



 NORGES  
SKOGEIERFORBUND

## The forest may be eaten and drunk



TreFokus

NORGES SKOGEIERFORBUND

## Wood fiber-based composites



TreFokus

NORGES SKOGEIERFORBUND



## Nano Cellulose in various applications

**Membraner**

**Medisin**

Nanocellulose

Cellulose-based nanocomposites

- Thin polymer films
- Liquid crystal substrates
- Gels and foams
- Molar systems

NORGES SKOGEIERFORBUND

## Bio-based energy

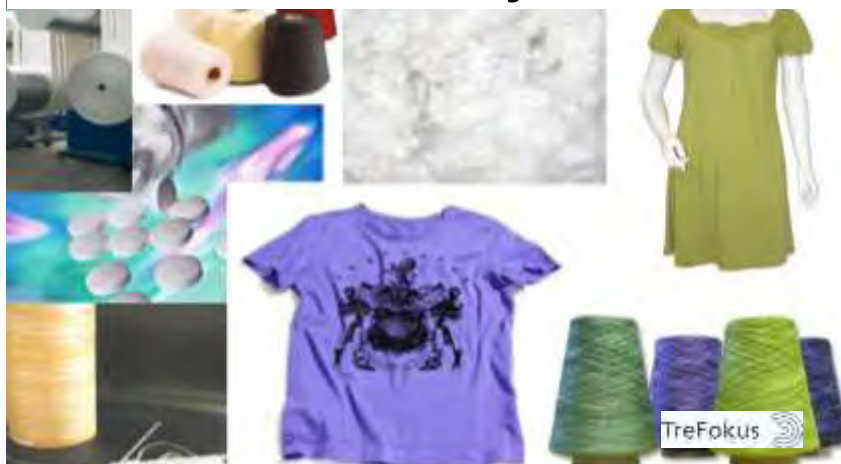
NORGES SKOGEIERFORBUND

## Biofuels by land, sea and air



NORGES SKOGEIERFORBUND

## Competitive supplier for the clothing industry



NORGES SKOGEIERFORBUND