

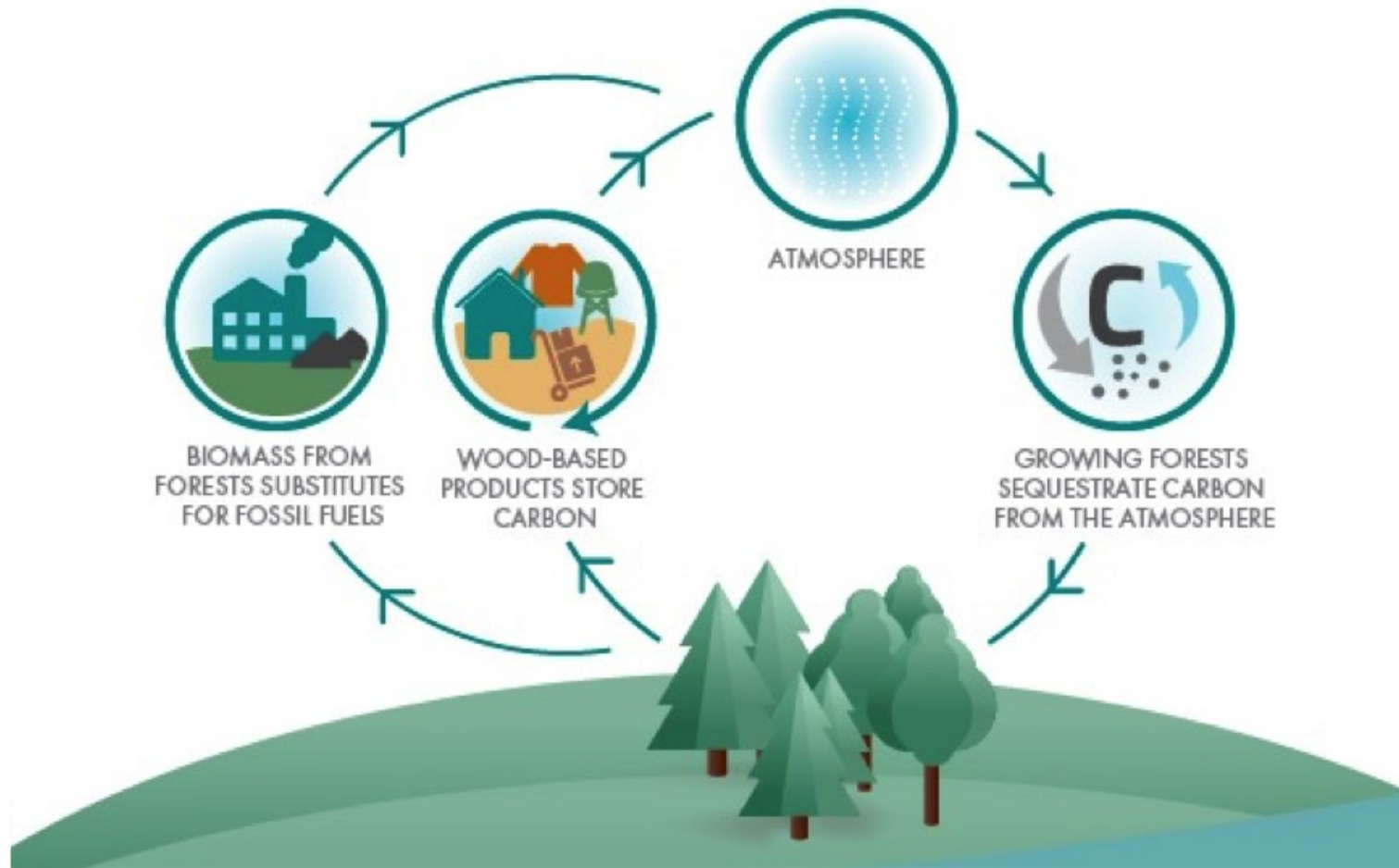
Land use conflicts in the Norwegian forestry sector

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People and Networks Matter
Karlstad University
April 27th, 2019

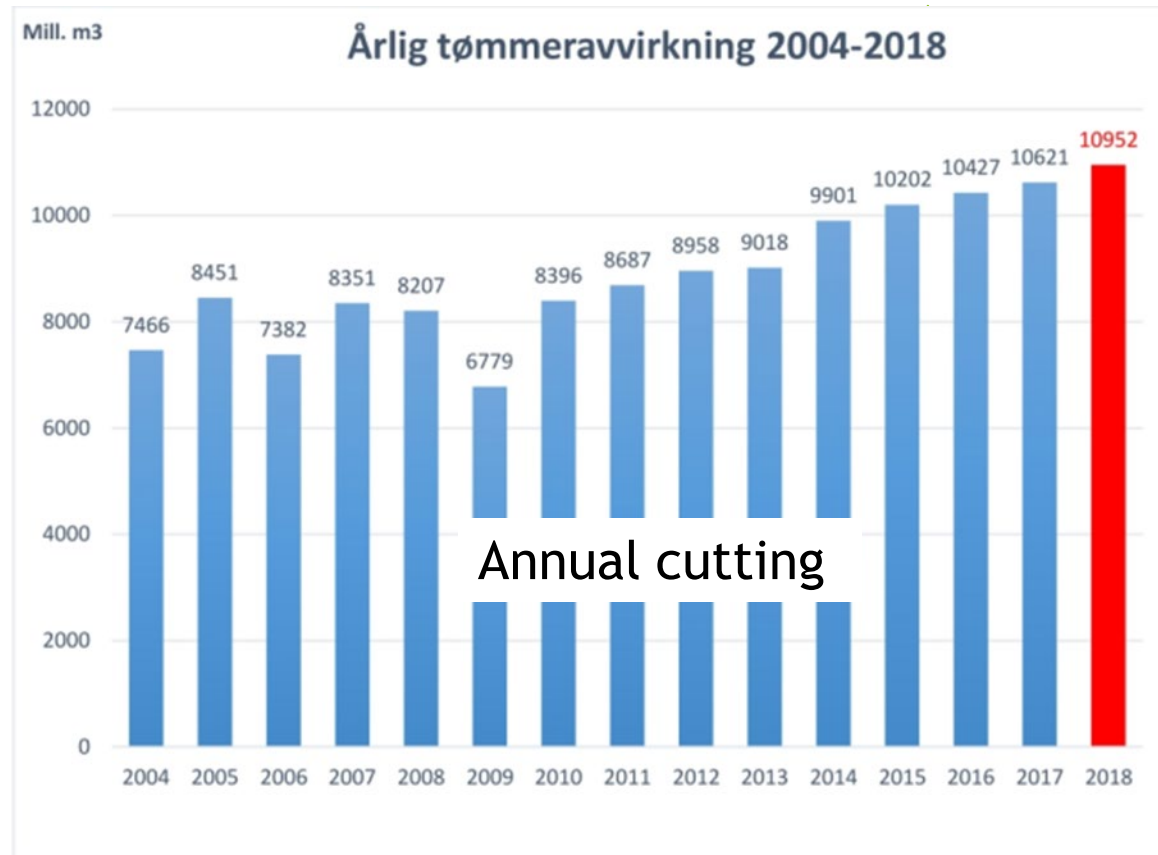


Forests and forest products store carbon



Source: *The European State Forest Association (EUSTAFOR)*

Forest biomass in Norway



- ▶ Land cover 38 % / 12 mill haa
- ▶ Of which 71 % productive forest (>1m³/haa/year)
- ▶ 60 % softwood (spruce & pine) & 40 % hardwood (mainly birch)
- ▶ Average annual cutting 10 mill m³ (100 years)
- ▶ Annual growth 25,5 mill m³
- ▶ Annual growth has doubled the last 100 years.
- ▶ Wood storage in standing logs: 942 mill m³ and increasing.
- ▶ 704 mill m³ softwood (Norway spruce & Scots pine)
- ▶ In 1920 it was 310 mill m³
- ▶ Dead wood about 100 mill m³ and increasing

Source: Hysten, G. (2019). Nye rekordtall for skogen i Norge. Norwegian Institute of Bioeconomy Research (NIBIO) www.nibio.no

Policy makers



- Prime minister Erna Solberg (H) opens the new wood insulation factory at Hunton Fiber in Inland Norway (March 12th, 2019)



Policy making - a new strategy is launched

- ▶ Ministry of Agriculture launched a new strategy for the forestry and wood products sector (March 12th, 2019)
- ▶ The strategy emphasizes the sector as a *driver for green transition*
- ▶ The government wants to increase annual cutting and investments in the forestry sector

Skog- og trenæringa
ein drivar for grøn omstilling



Meanwhile, in Northern Norway...

NORSK
SKOGBRUK



HJEM TEMA ▾ ABONNEMENT OM OSS

Particle Board Plant threatened by land conservation bill

Tema Aktuelt

Nordland: Arbor sponplatefabrikk trues av verneforslag

By **norskskogbruk** - 26. september 2018



- ▶ The second biggest particle board plant in Norway
- ▶ Located in Hattfjelldal, a small community in the Nordland Region
- ▶ The plant is dependent on the surrounding forests for raw materials
- ▶ Political goal: To pass land conservation bills for 10 % of the forests in Norway
- ▶ Unluckily for Arbor, most of the surrounding forests are owned by the Norwegian State Forest...
- ▶ Now Arbor are looking into waste wood solutions
- ▶ Where are the policy makers?

Bor midt i skogen – klarer ikke skaffe nok trær til bygdas hjørnesteinsbedrift

Trevirkebedriften Arbor i Hattfjelldal er omringet av skog, men får ikke lov til å hugge den. For hjørnesteinsbedriften betyr det stadige nedskjæringer og oppsigelser. – Forkastelig og meningsløst, mener Sp.



Hilde Mangset Lorentsen
Journalist

Ole-Christian Olsen
Journalist

Lise Forfang Hagen
Journalist

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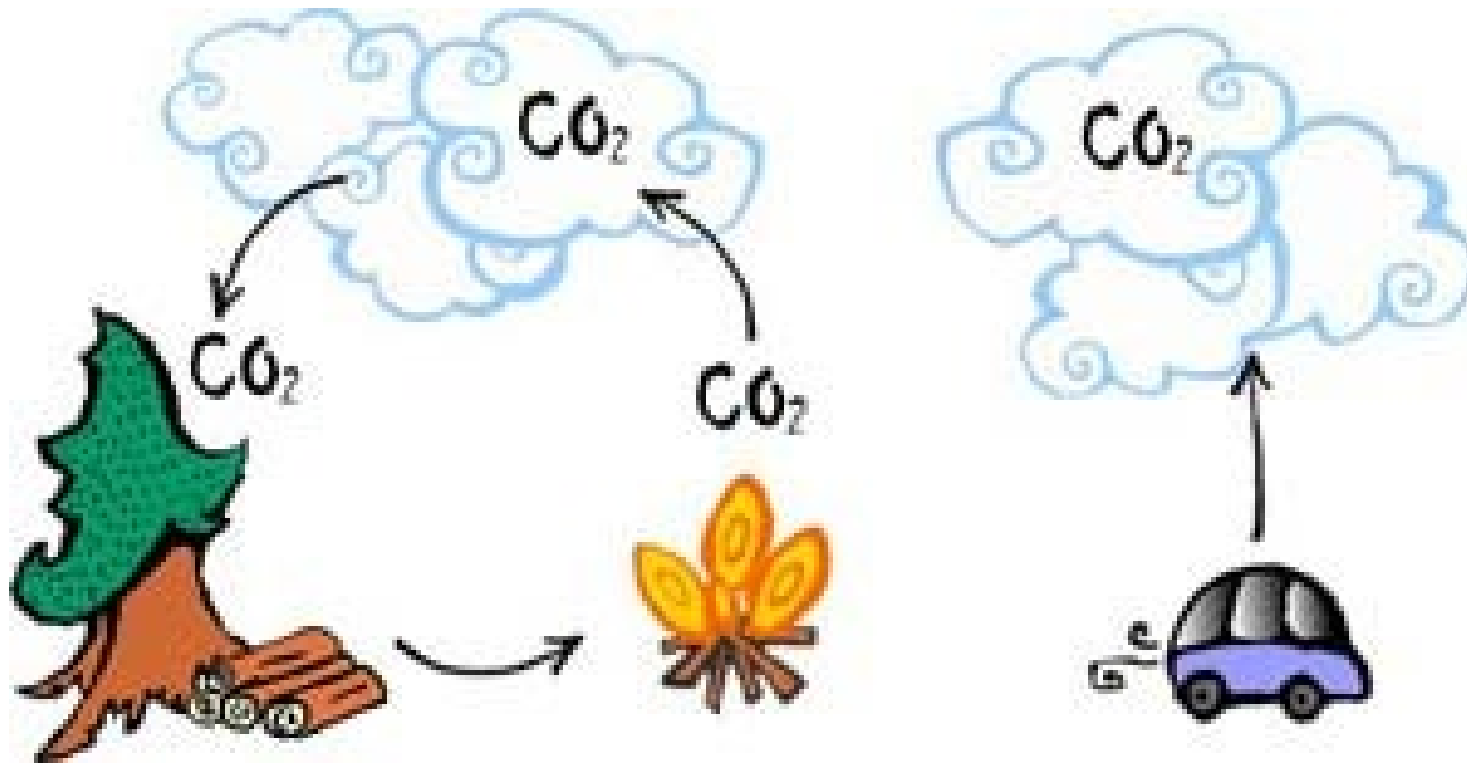
There's a lack of fibre and a huge abundance of biomass in the forest.
Still, the minister wanted to limit future annual harvesting to 12 mill m3 !!



LULUCF dropped down like a bomb

Finally, the government got it's feet back down on the ground again. Final bargain ended at 14-17 mill m3 in 2021-2030, depending on the amount of carbondioxide compensation actions.

A small reminder of what it's all about...





Lets look at it from the forest owner's perspective

- ▶ In case you wondered - the forest owners are **the suppliers** of raw materials...
- ▶ Most forest owners in Norway are private persons - 157 000 persons in total
- ▶ Forest owners gather in **forest owners associations**, like Glommen or Södra.
- ▶ Forest owners associations are **buyers and sellers of timber**
- ▶ Most forest owners associations are also **owners of industry**
- ▶ **Forest owners associations represent an important part of the land use management system**

Land use restrictions for the forest owners

Official nature reserves and conserved areas

Archeological findings

MIS - Nature reserves protected as part of Forest Owner's Environmental Certificates

Restrictions due to legislation

Restrictions due du Environmental Certificates

Restrictions in areas without any constructions (areas that lack roads)

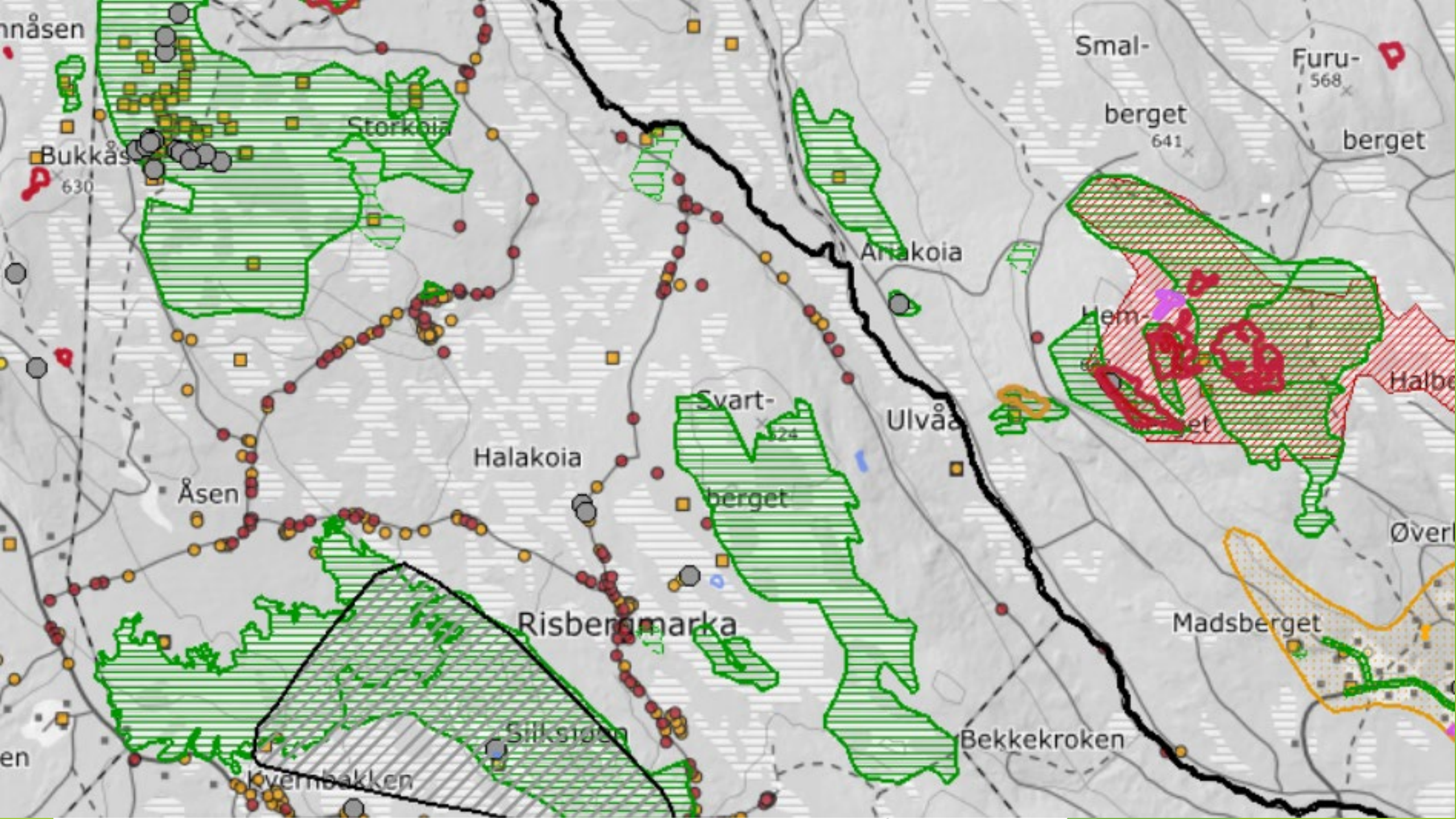
Official registrations of species and areas for species not protected by specific bills

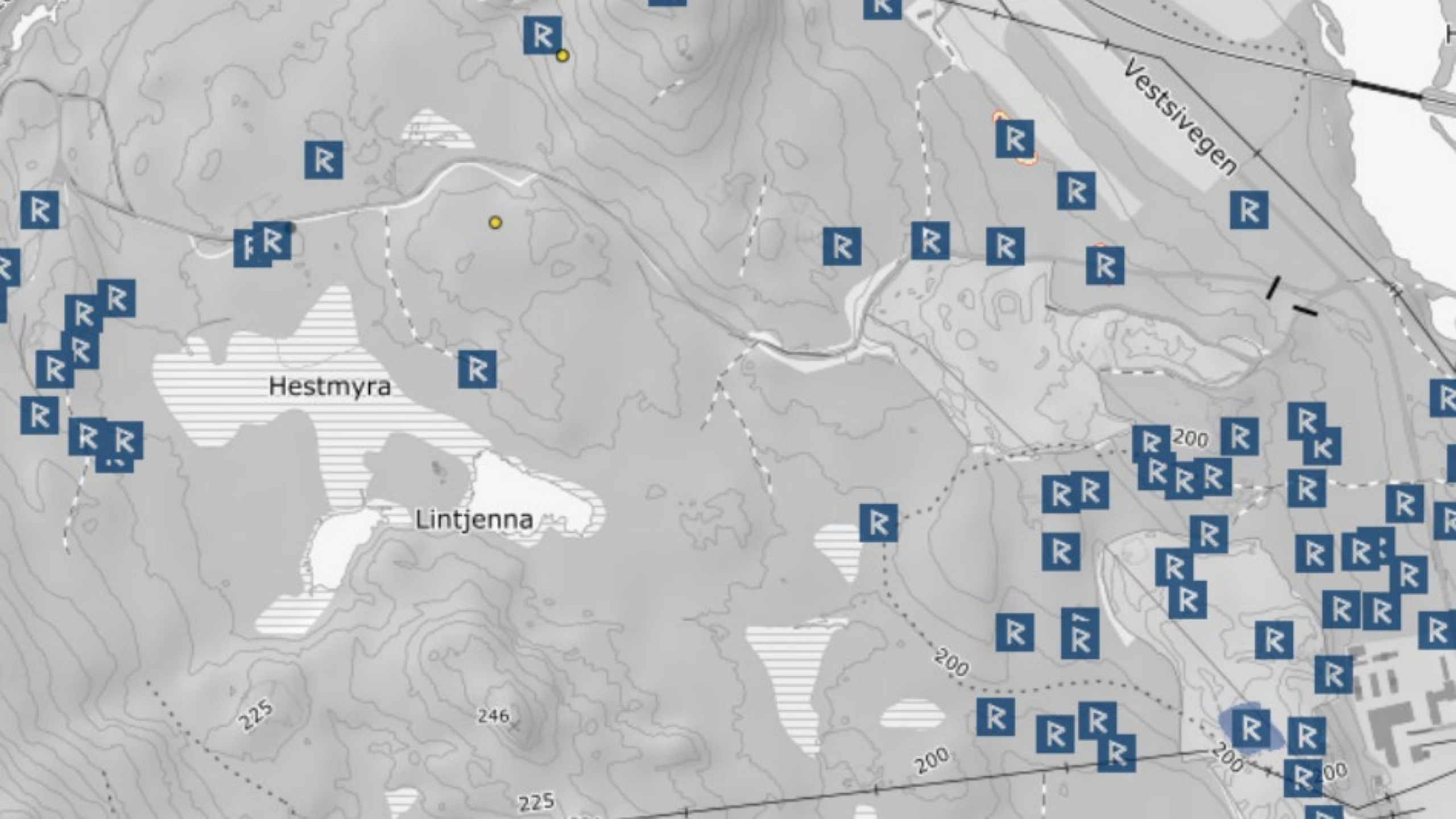
Restrictions from local acts and plans for the areas

Public opinion on forestry and silviculture methods

Landscape protection areas

And so on....







Cadastral issues -
land use conflicts
due to property
structure



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**Klart til
avhenting**



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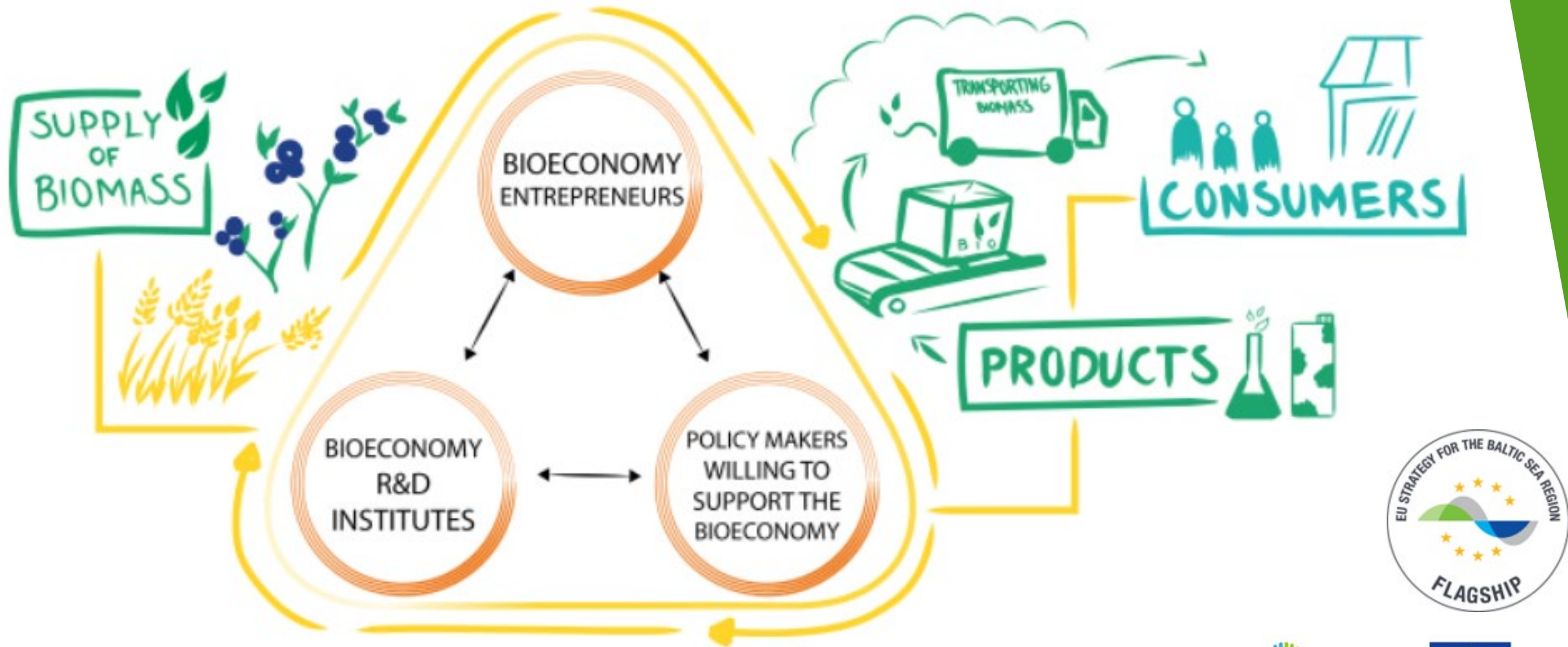
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Land use management essentials; Communication and Cooperation

- ▶ Communication and cooperation is essential when it comes to managing land use and balancing land use conflicts
- ▶ Knowledge based decisions...not driven by what *seems to be* the public opinion
- ▶ Politicians and policy makers: Cross ministry communication and cooperation in order to make decisions make sense!
- ▶ Communication and cooperation is essential also for the producers and consumers of land based resources.
 - ▶ Cross-sector
 - ▶ Cross-border
 - ▶ Cross-interest
 - ▶ Media and social media...public opinion

Biomass supply & value chain





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