

In study for EFI we introduced 'Climate Smart Forestry'

Aims at 1) sustainably increasing **forest productivity** and incomes; 2) adapting and building **resilience** to climate change; and 3) reducing and/or removing **greenhouse gas** emissions.

- Regards the whole chain
- Regionally specific measures

 FROM SCIENCE TO POLICY 2

A new role for forests and
the forest sector in the EU
post-2020 climate targets

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Additional potential of Climate Smart Forestry.

Forests, HWP and energy can compensate 20% of EU emissions. EU regulation 479 does not recognise this sufficiently

Main category of forest management measure	Sub measure	Mitigation effect (Mt CO ₂ a ⁻¹)
1. Improved forest management		170
	1a. fullgrown coppice	57
	1b. enhanced productivity & improved management	37
	1c. reduced disturbances, deforestation, drainage	35
	1d. material substitution wood products	40
2. Forest area expansion		70
3. Energy substitution		144
4. Establish forest reserves		64
Total		448

Climate smart forestry: look at local circumstances

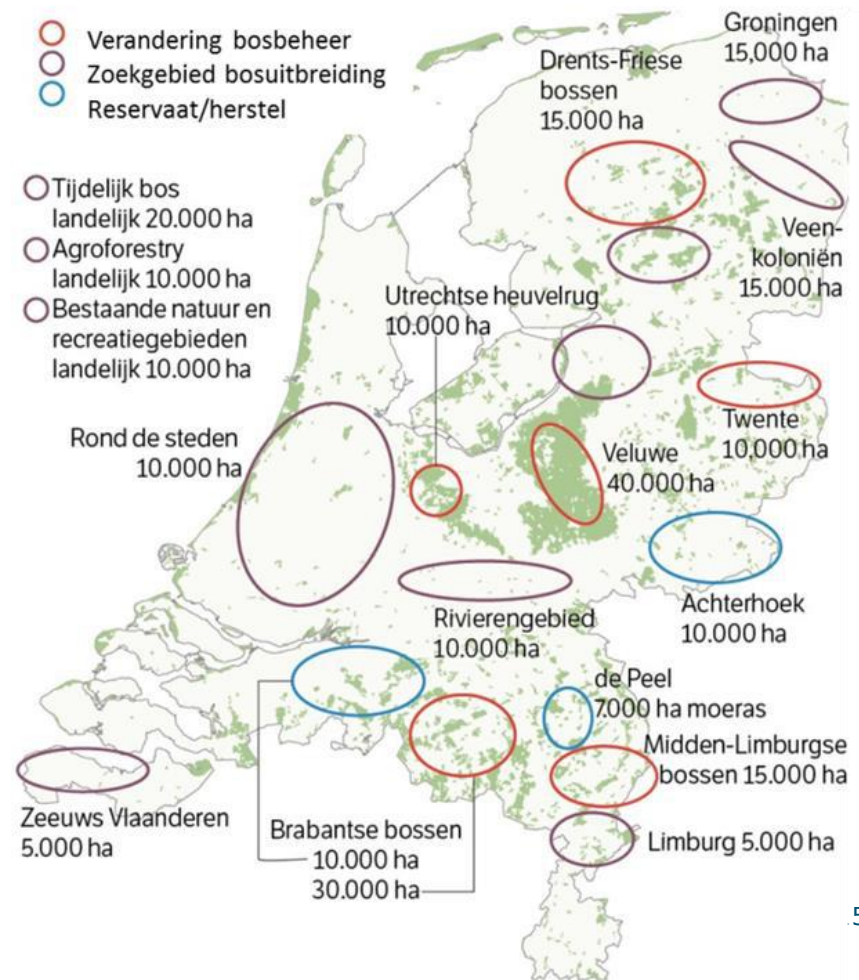
- ✓ Storm prone areas: bring down the stock + invest in new wood based products
- ✓ Drained peatlands: reduce drainage
- ✓ Remote areas: strict reserves
- ✓ Former coppice: regenerate with climate adapted species; increase growth
- ✓ Drought prone spruce: regenerate with adapted species (better genetic material)
- ✓ Use wood optimally: build with wood
- ✓ Relate to Bio-economy



Insufficient regeneration

Example: Dutch National Action Plan Forest and Wood

- Prime minister signed it 26 Oct 2016
- Extra 100,000 ha forest
- Better forest management
- More building with wood



Concluding

- EU forests, wood and bio energy play a very significant role in mitigation.
- Every sector has to make its contribution when we need to go to -80% of emissions.
- Through CSF this role can be enhanced a lot
- National plans for implementation of Regulation 479 policies are needed. Taking into account all functions of the forest
- Then large forest owners, architects, building companies, biobased chemical industries, energy etc need to be incentivized

Thank you !

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