



SNS-EFINORD Network meeting and international workshop

*Tools for improving science-policy interaction
in forestry*

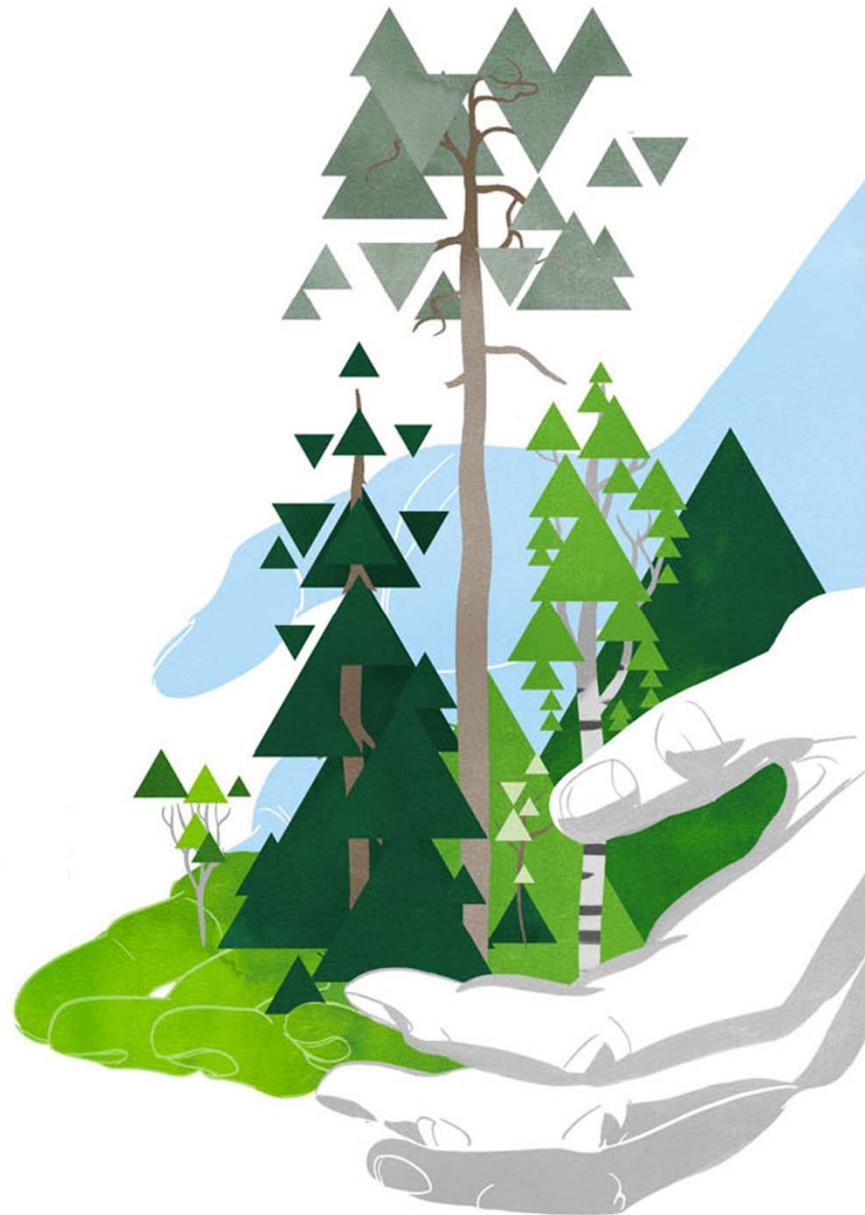
May 15-16, 2018

Hosted by NIBIO/Skogkurs (Forestry Extension Institute), Biri, Norway

Forest science-policy interaction in Finland

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Forest science-policy interaction in Finland

Contents:

1. Relevant programmes, processes and strategies in Finland
2. Examples on science-policy interaction
 - National Forest Strategy and research
 - Forest Policy Forum
 - National forest inventory and forest scenario models in policy-making
3. Conclusions

Strong forest sector means strong policies



ECONOMIC ASPECTS

- 23 mill. ha of forest, 75 % of the land area
- Roundwood harvesting 70 mill.m³/a
- Stumpage earnings 2 billion €/a
- Average net income 130-140 €/ha/a
- Over 20 % of exports from forest products

SOCIAL ASPECTS

- Forest sector employment 65 000 / 140 000
- Multiple use, common right of access

ECOLOGICAL ASPECTS

- 13% of forests for biodiversity conservation
- Forests as a net sink: 20 - 40 million t CO₂-eq

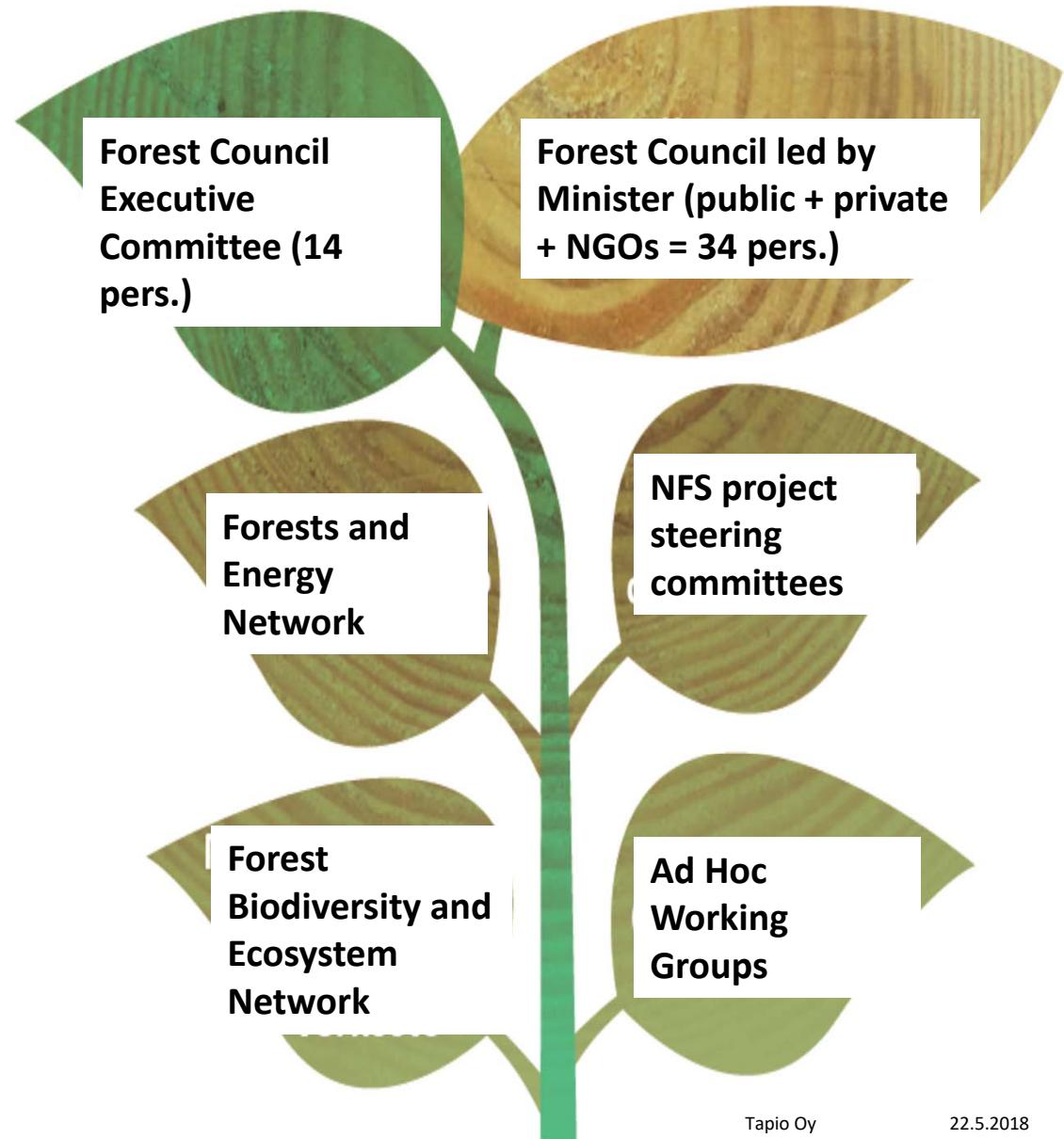


Kansallinen
– metsästrategia

Forest-related strategies, programmes and processes in Finland



National Forest Strategy: organisation





National Forest Strategy projects

- A. Forest data and digitalisation
- B. Zoning supporting forestry
- C. New forest statistics
- D. Developing wood supply and forest owner profiles
- E. Resource efficient forest management
- F. Forest research strategy
- G. Logistics infrastructure for forest sector
- H. Education and business
- I. Nature management in forestry
- J. Other ecosystem services than wood – market development
- K. Appreciation of Finnish forests



Overview of the role of science in NFS

- PLANNING:**
- analysis of the operating environment
 - consequences of alternative policies

IMPLEMENTATION

- research and results to practice

FOLLOW-UP

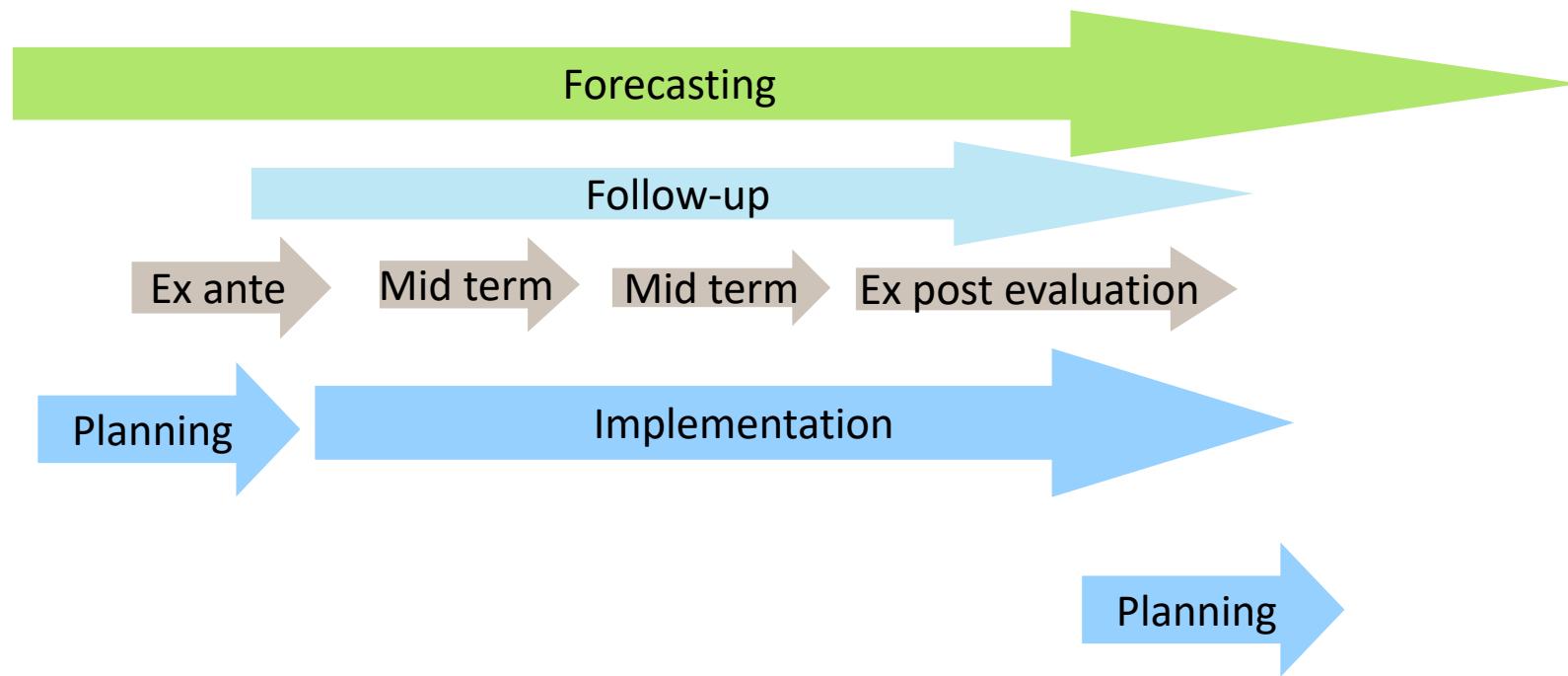
- national forest inventory, forest statistics:
- development of selected indicators

FORECASTING:

- analysing signals on future trends



Research tasks at different stages of the NFS cycle





Existing mechanism for integrating science into National Forest Strategy

- organised by the public sector
 - researchers involved in all NSF work
 - commissioned surveys and reports
 - evaluations
 - steering the allocation of research funds
 - guidance of research institutes
 - financing of R&D programmes



Finland: FOREST POLICY FORUM 2015 -

Background:

Science utilised in practice and policy-making in various ways. However argued (Seppälä 2014) that the main problem in forest research is slow and low implementation of the research results in policy making and forest practice .

Goals of the FORUM:

Promote evidence-based forest and environmental policy making in Finland by

1. synthesizing research on a selected theme
2. creating policy options and revealing research gaps



Forest Policy Forum – flow of activities

Month	1	2-4	4-5	5-6	6-7	8	8 -
Activity	Selecting a relevant theme	Tentative review of research	Research panel : Synthesis of research, research recommendations	Expert panel: Tentative policy and research recommendations	Finalising the results of the panels: Policy and recommendations for future research	Final seminar – publishing the report	Bringing results to media and various policy processes
By whom	Steering committee 12 members	Secretariat	15-25 researchers	15-25 Stakeholders	Steering committee, Secretariat	Open to all	Secretariat, Steering Committee



THEMES:

1. Should be relevant for coming policy decisions
2. Should have research done to be synthetized
3. Scope of the topic is in harmony with the resources of the forum
4. It is expected that the dialogue in the forest policy forum will have impact and bring something new to the dicussion

POLICY RECOMMENDATIONS:

should have

1. scientific evidence
2. potential impact



THEMES:

2016: Wood supply from private forests

2017: Sustainable growth from the forests

2018: Balancing the various ecosystem services from the forests

2019: Diversity of the forests

Themes have links to NFS

Publications in Finnish: <http://tapio.fi/metsatietoa/julkaisut-ja-raportit/>

LESSONS LEARNT:

- Concept considered useful in general – for researchers and policy actors
- Recommendations had impacts in policy formulation and in research funding
- Researcher participation to be developed – funding / results of the forum not peer reviewed publications

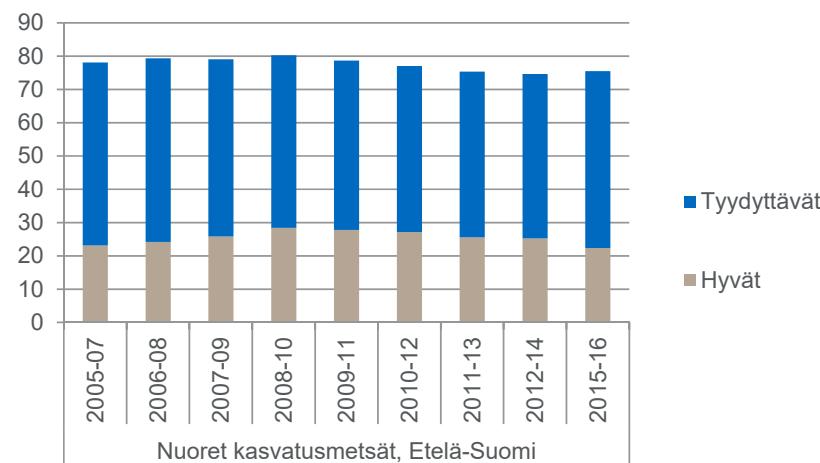


NATIONAL FOREST INVENTORY FOR FOREST POLICY

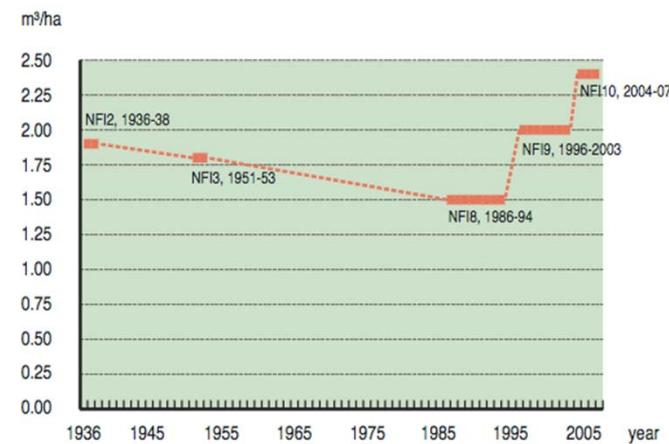
PLANNING THE FORESTRY FUNDING PROGRAMME:

- NFI results used to identify most urgent improvements needed in forest management (planting, tending, thinning, re-draining, etc.)
- FOREST BIODIVERSITY PROGRAMME: how much potential protection area in regions ?
- NFI data as basis for scenarios

State of the young stands in Southern Finland
blue=satisfactory orange=good



The amount of dead usable wood per hectare

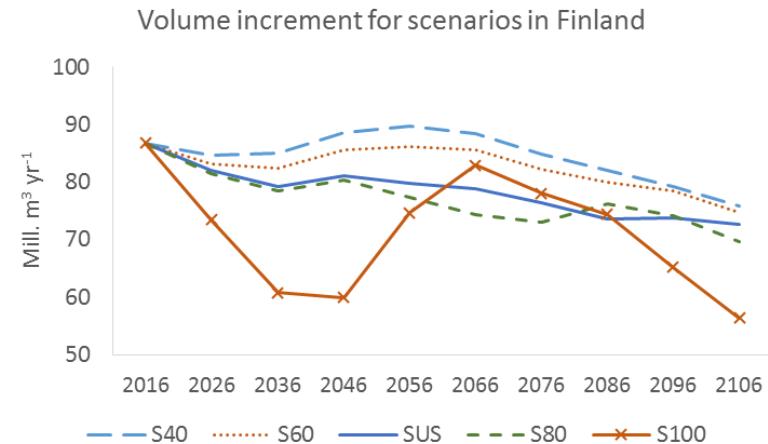
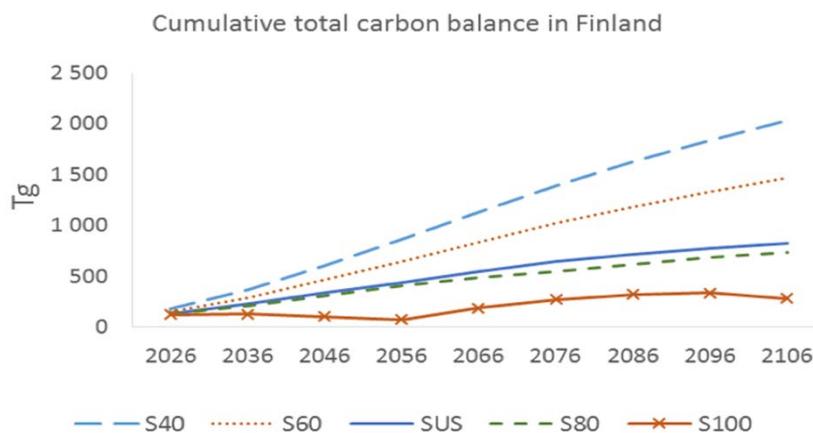




SCENARIO MODELS FOR FOREST POLICY

NFI data + Growth models + Alternative forest management regimes = consequences of selected forest policies in terms of

- Economy (wood harvest, income, income from other ecosystem services)
- Ecology (biodiversity, soil protection ...)
- Societal factors (employment, recreation ...)



S40 ... S100 refer to alternative national harvest levels

4 300 merkin mittaisia tekstejä voi tarjota
Matti Kalliokoski (esimies), Juha Akkanen,
hs.fi/periaatelinja.

DEBATE 2017: IS FOREST POLICY EVIDENCE BASED?

200 researchers claim that EU policy makers do not listen science community

metsänhoidon laatu ja puiston kunto saattavat heikentyä.

EUROOPAN UNIONISSA päätetään parhaillaan toimenpiteistä, joilla kasvihuonekaasuja voidaan vähentää EU:n ilmaston tavoitteiden mukaisesti 40 prosenttia nykyisestä vuoteen 2030 mennessä. Suomen kannalta tärkeää on Euroopan parlamentin syyskuussa tekemä ratkaisu, jossa päättettiin maankäytön, maankäytön muutoksen ja metsien käytön hiilinivelujen laskentaperusteista.

Parlamentin kannan mukaan hakukuita voi tehtyihin vertailuvat mal nielut sää tyvät vuo

Suome tavoitteet kataan 2 kuutiome tain. Täi 70 miljoo Hakkui varakesku kestävästi mukaisesti. Suomen metsät sitovat nykyisin yli 40 prosenttia kansal lisesti syntyneistä kasvihuonepääs-

Toisin kuin valiokunnan äänestyspäätös, parlamentin syyskuinen ratkaisu ottaa huomioon Suomen erityisolosuhheet. EU:n lopullinen kanta ei kuitenkaan ole vielä selvä.

Lokakuussa ratkaisunsa antaa Euroopan unionin neuvosto, johon kuuluvat jäsenvaltioiden ministerit. Ratkaisu tehdään komission, parlamentin ja neuvoston yhteisissä kolmikantaneuvotteluissa.

Toivoa sopii, että parlamentin syyskuinen esitys hyväksytään. Päinvastainen päätös johtaisi hakuiden rajoittamiseen Euroopassa, mikä suomalais-norjalaisen tutki-

Researchers: EU-LULUCF HARVEST CONSTRAINTS SHOULD NOT BE DILUTED

tutkijoiden mielestä EU:n päätöksen tekijät eivät kuuntele tiedeyhteisöä.

Jarmo Jartikainen HS

LÄHES 200 tutkijaa ottaa kantaa metsähakkuille asetettavien rajoituksien hollennyksiä vastaan.

EU:ssa vireillä oleva metsien hakkuita koskeva linjaus uhkaa



irjoittajista.

Finnish Minister Leppä:

**We cannot take climate as only basis of the forest policy.
Other factors should also be considered.**

tyessä, ja hyonteistuhojen sekä metsäpalojen riski kasvaisi. Metsien hiilivarastot pienenisivät.

Tutkijat asettuvat nain vastustamaan muun muassa Suomen hallituksen ajamaa linjaaa, joka

maan ja metsien käytöstä syntyvät päästöt otetaan huomioon EU-maiden il-

iksiä ilmastoona, putunut hiilivallitomästi. Hiiliminen entiselle kasvun kautta ikymmeniä tai iin etenkin, jos caadetaan", kir-

tavat myös puuhjaisen bioenergian ilmasto-vaikeutuksista. "Bioenergia ei ole hiilinetreria, ia sillä voi olla



Conclusions

- The principle of evidence-based policy making is widely agreed, but there are choices how to implement it
- Science should aim at providing neutral and objective elements to the discussion
- Dialogue between stakeholders should be continued

TAPIO



Thank You!

