Title	General Trends in Finnish Forest Biodiversity
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Instructions for use



THE BIG QUESTION: HOW IS NATURE DOING?

General interest – overview

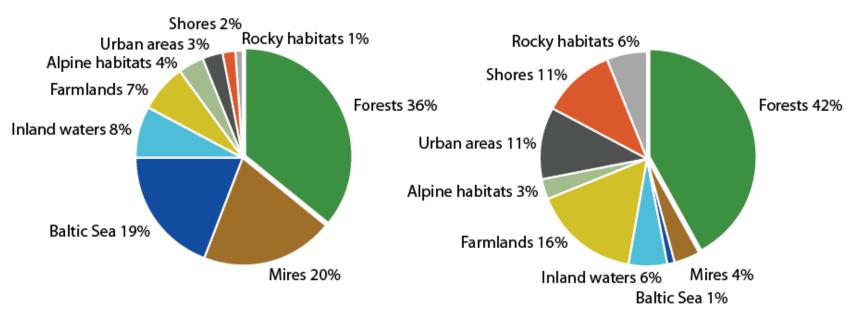
Moral obligation to know our impact
Global, EU and national level political goals
Practical data needs

 e.g. Fourth National Report to the United Nations Convention on Biological Diversity

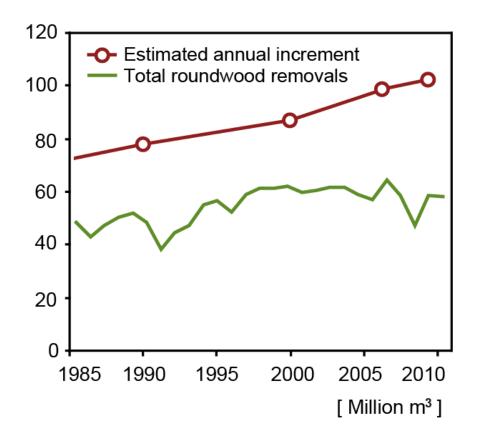


TOTAL SURFACE AREA (420 000 KM²)

WELL-KNOWN SPECIES (N = 19 962)



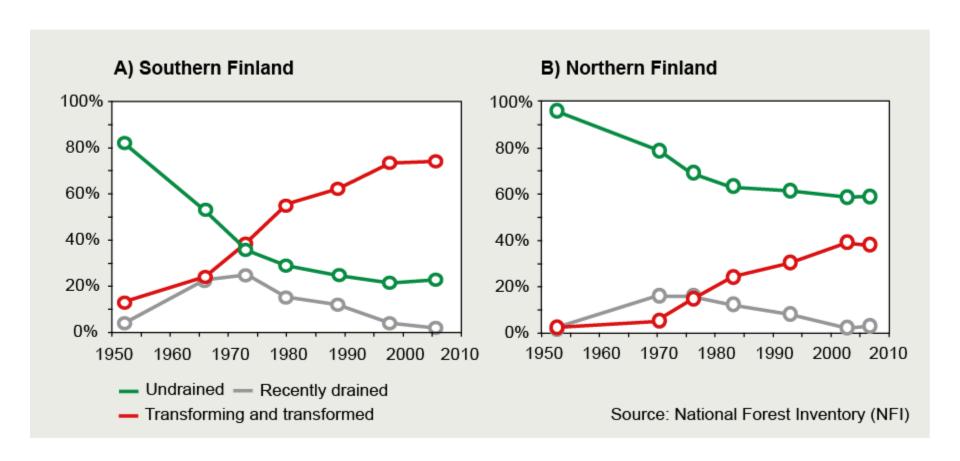
BACKGROUND: FOREST USE



CUTTINGS CLEARLY LESS THAN GROWING STOCK INCREMENT

>> FINNISH FORESTRY IS SUSTAINABLE(?)

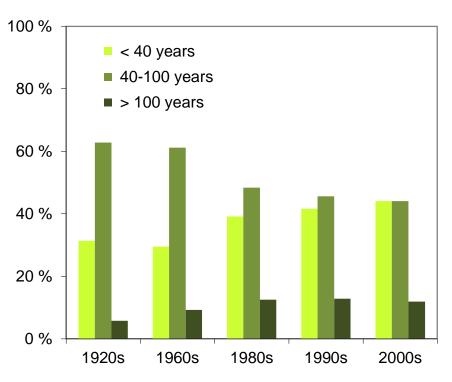
OBJECTION NO. 1: MIRE DRAINAGE



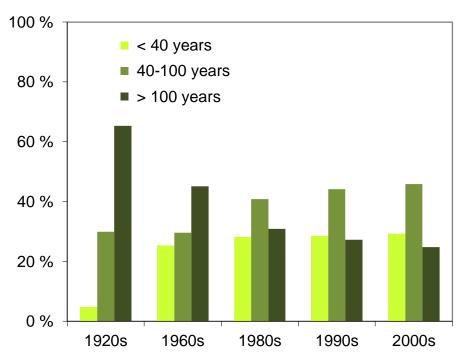
MUCH OF THE GROWTH OF GROWTH IS DUE TO THE DRAINING OF PEATLANDS

OBJECTION NO. 2: AGE STRUCTURE

A) Southern Finland

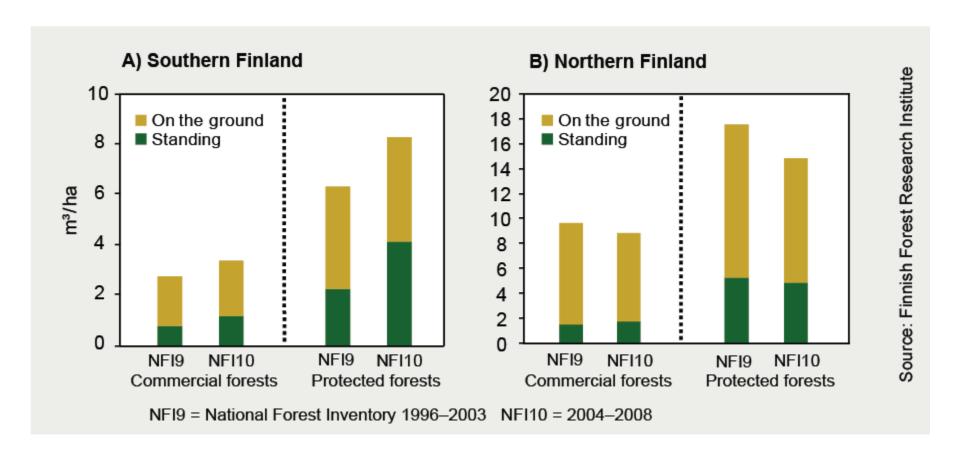


B) Northern Finland



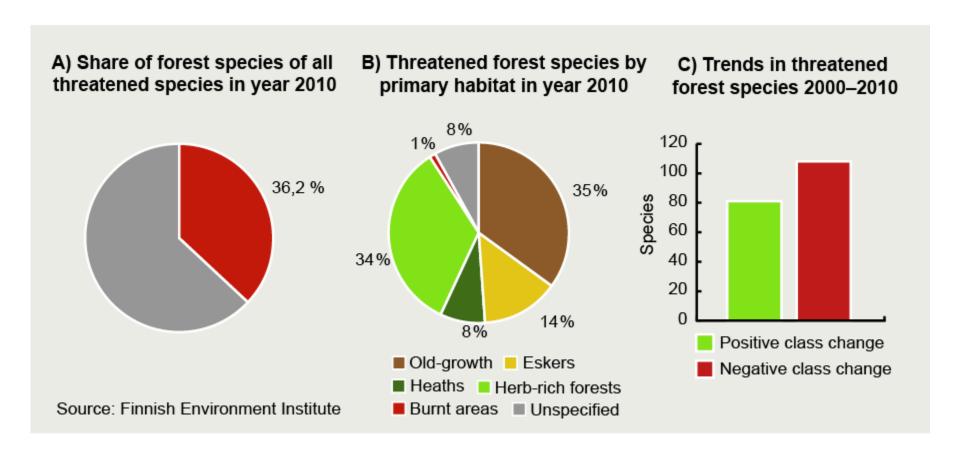
YOUNG FORESTS GROW FAST

GREATEST SINGLE STRUCTURAL CHANGE: DEAD WOOD



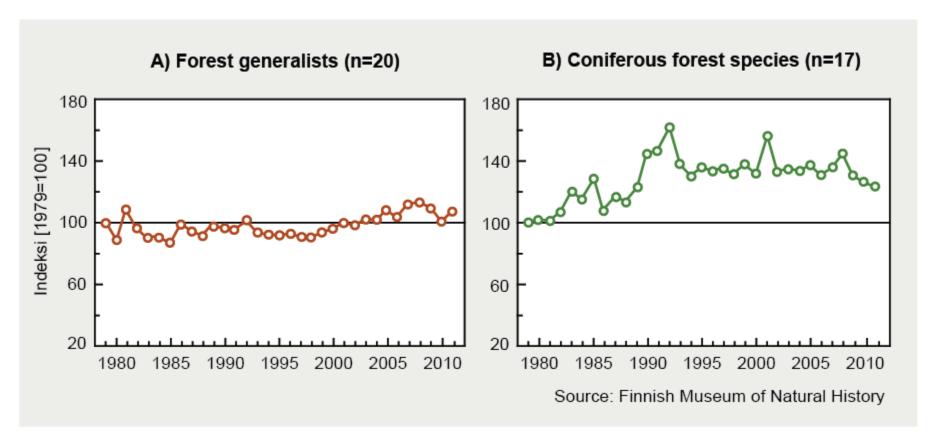
Minimum level required by many endangered species ≈ 30 m³/ha 4 000—5 000 species depend on dead wood

CONSEQUENCES: THREATENED SPECIES



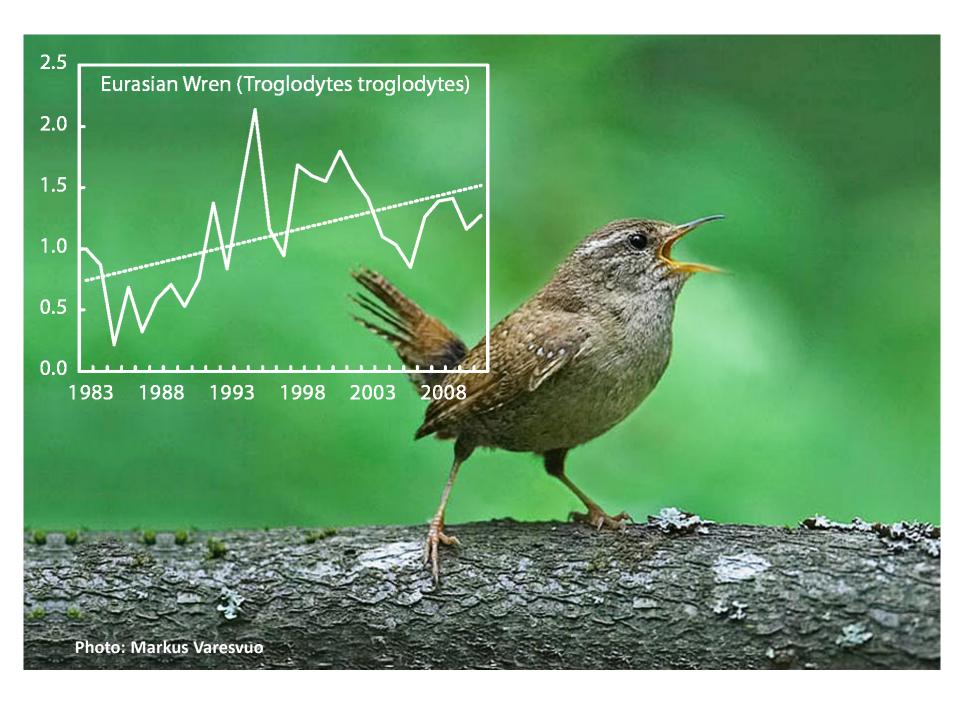


BREEDING BIRDS

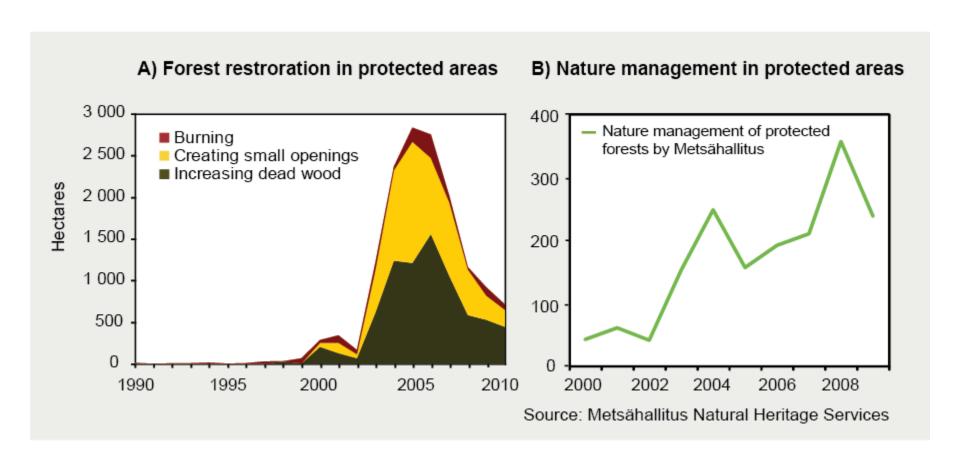


In general:

- birds seem to have adapted to changes in forest structure
- residents and short-distance migrants are faring better than long-distance migrants



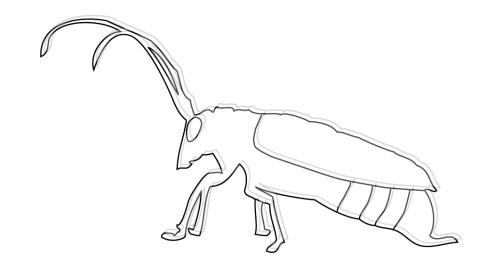
RESTORATION



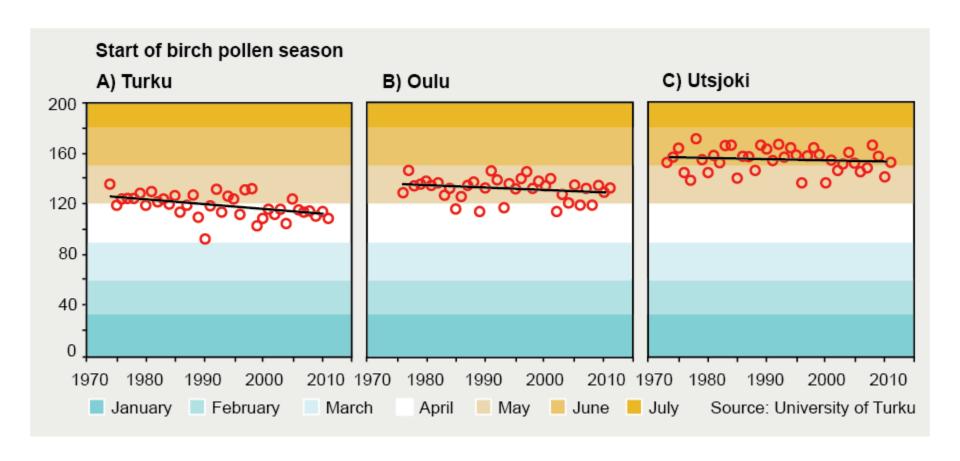
Important work, but scale of annual effort is small

QUESTION MARKS: NO MONITORING

Beetles
Saproxylic fungi
Lichens
Vascular plants



QUESTION MARKS: CLIMATE CHANGE



Approximately two weeks earlier in the south, no change in the north

