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# Restoration experience from State Forest

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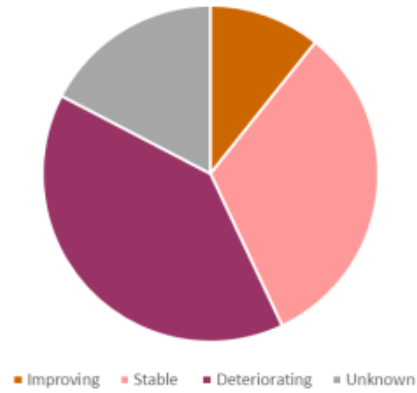
12 October 2023

# Natura habitat status in Estonia

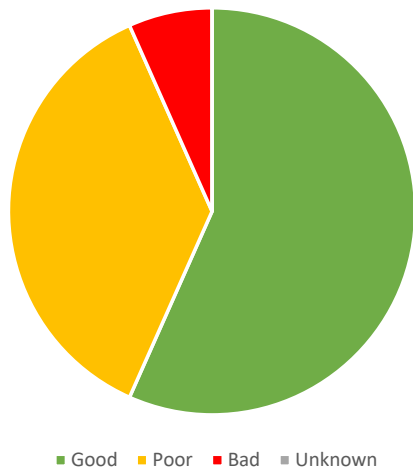
Conservation status of species for the Boreal region



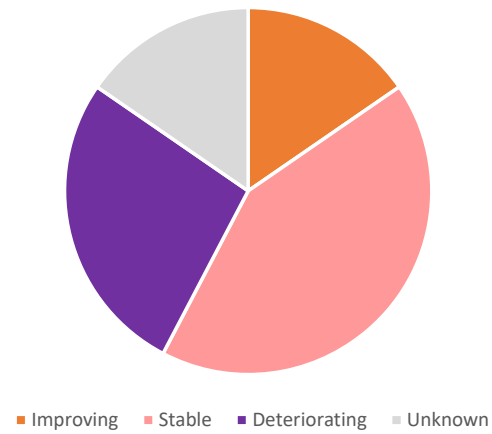
Conservation status trends for species not in good status in Boreal region



Conservation status for habitats in Estonia (60)



Conservation status trends for habitats not in good status in Estonia (26)





**Know-how**



**People**



**Money**



## Know-how



## People



## Money



### Mire habitats

~20 000 ha restored  
70 objects  
Including old peat  
extraction areas



### Semi-natural

26 000 ha rented  
4000 ha restored  
Roads, bridges  
500 partners



### Waterbodies

11 obstacles removed  
78 km habitats



**Know-how**



**People**

**Money**

**Public interest**

**Stable timber market**



**Recreation**

**Climate change**

~20 000 ha restored  
70 objects  
Including old peat  
extraction areas

rented  
stored  
edges  
ners



Know-how

People

Money

Public interest

Stable timber market

Recreation

Climate change

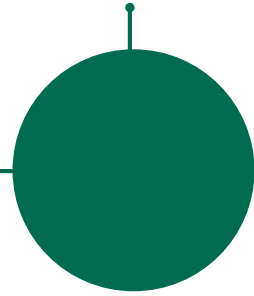
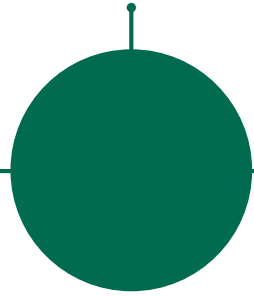
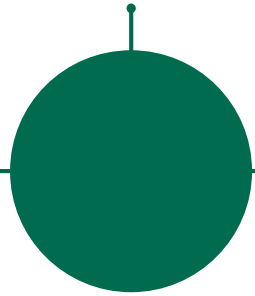
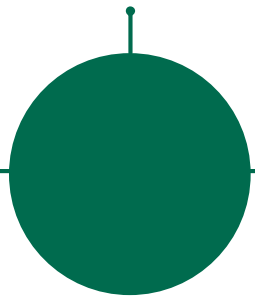
From  
fragmentation

To **large-scale**  
planning

Including  
**landowners**

What's the  
**trigger** for  
effectiveness &  
success?

It's all about  
**motivation** and  
**support system**





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## Hygiene

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- directives, laws, strategies, agreements
- subsidies or funding
- engagement with respect
- monitoring



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## Motivation

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- autonomy
- recognition





## Hygiene

- directives, laws, strategies, agreements
- subsidies or funding
- engagement with respect
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## Hygiene

- directives, laws, strategies, agreements
- subsidies or funding
- engagement with respect
- monitoring

When being  
**part of the process,**  
the process  
**becomes your  
process**





Focus: mire restoration



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## Focus: MIRE RESTORATION

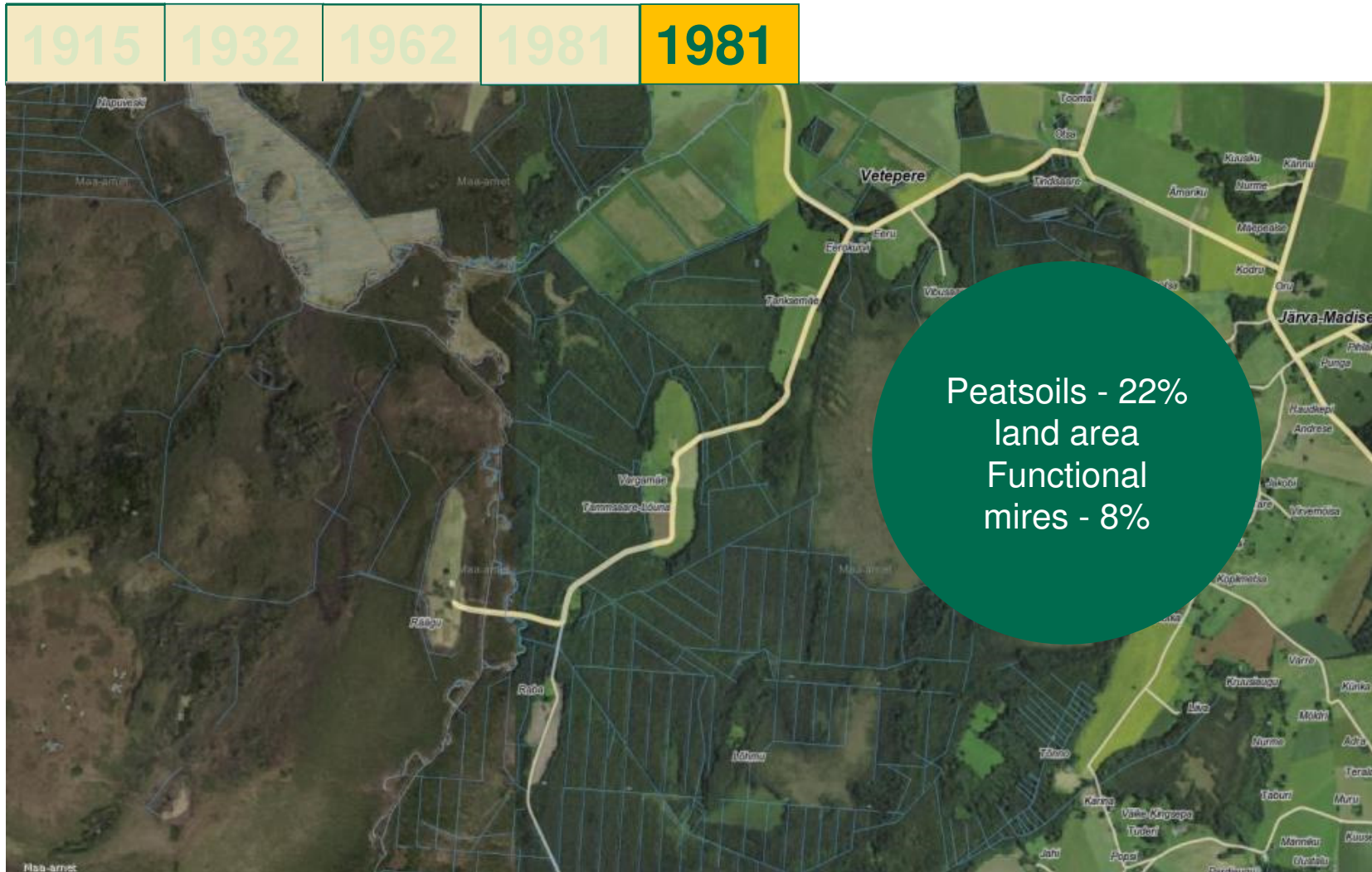
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- Habitat loss from 640 000 ha in 1950 to 240 000 in 2010
- Fen, transition mire, raised bogs

But needed for:

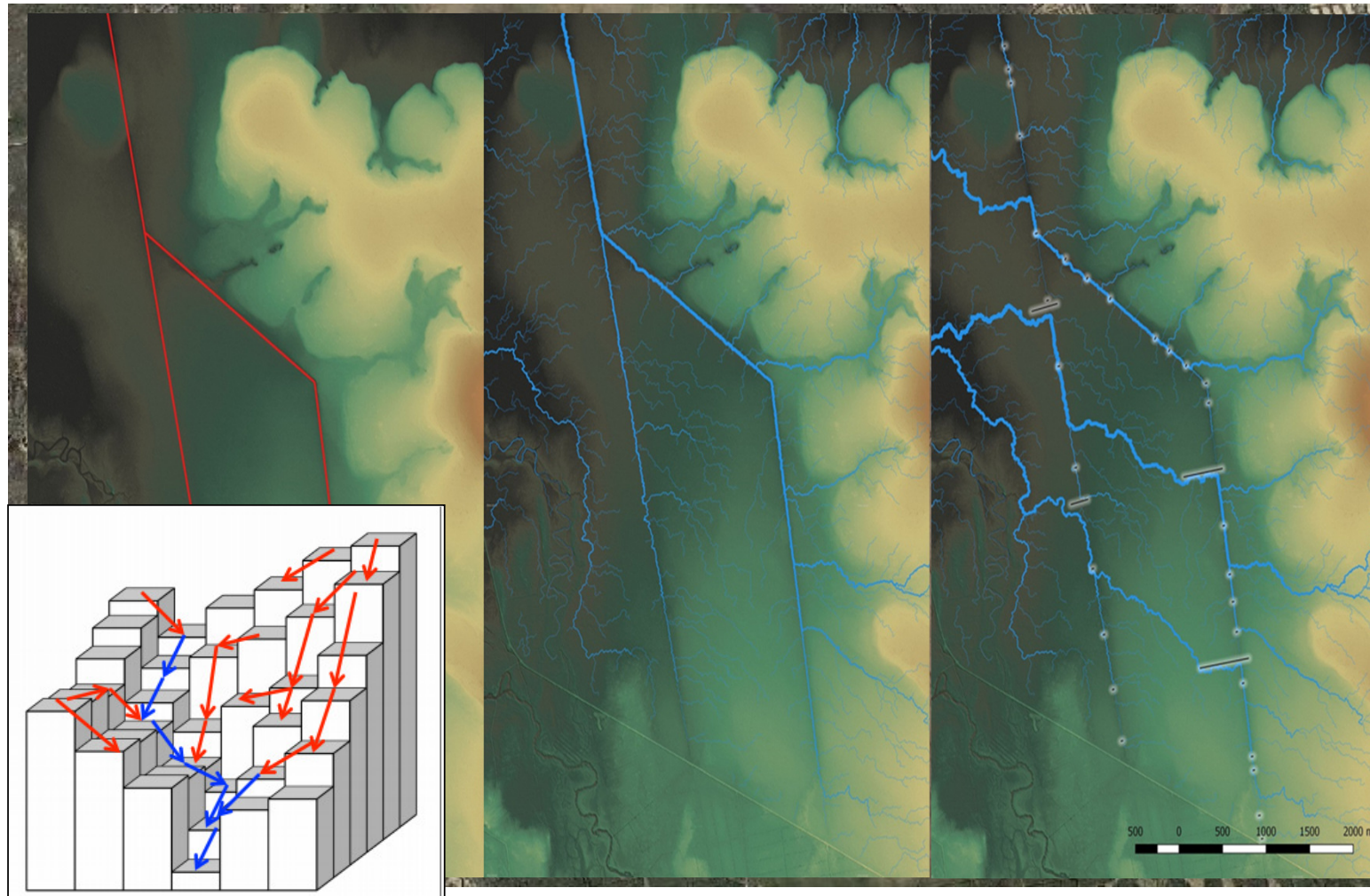
- CO<sub>2</sub> emission reduction
- Water quality
- Biodiversity (habitats and species)
- Fire safe landscapes
- Stability of hydrology conditions

# Drainage in Estonian landuse history





# Planning for hydrological restoration



# Implementation: cuttings



# Implementation: dams







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## **Stops upscaling**

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- Land use conflicts
- Interest conflicts
- Uneven or no support
- Lack of cooperation
- Fear of failure



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## **Motivated stakeholders**

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- Larger, cross-boarder and well-connected valuable habitats
- Shared costs
- Best available know-how
- Smart approaches
- Upscaling
- Lawmaking

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# THANK YOU!

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