

# MedForum2024

9<sup>th</sup> EDITION | THE MMFN GENERAL ASSEMBLY

## Working Together for Sustainable and Resilient Mediterranean Forests

 Pau Gil Room, Sant Pau Art Nouveau Site | 4-5 November 2024 - BARCELONA, SPAIN

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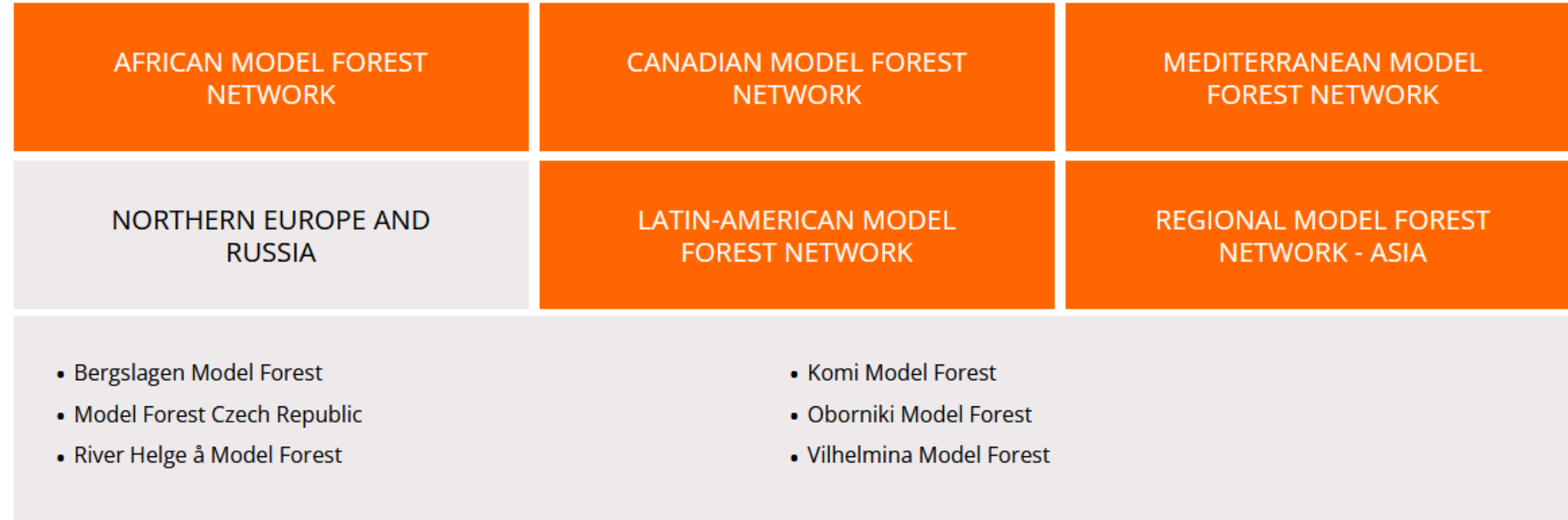
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## Oborniki Model Forest and Northern Europe MF

Updates on activities, challenges, and successes

*Speaker: Jarosław Bator, deputy head of Oborniki Forest District, Poland*

## REGIONAL NETWORKS



# Northern Europe and Russia



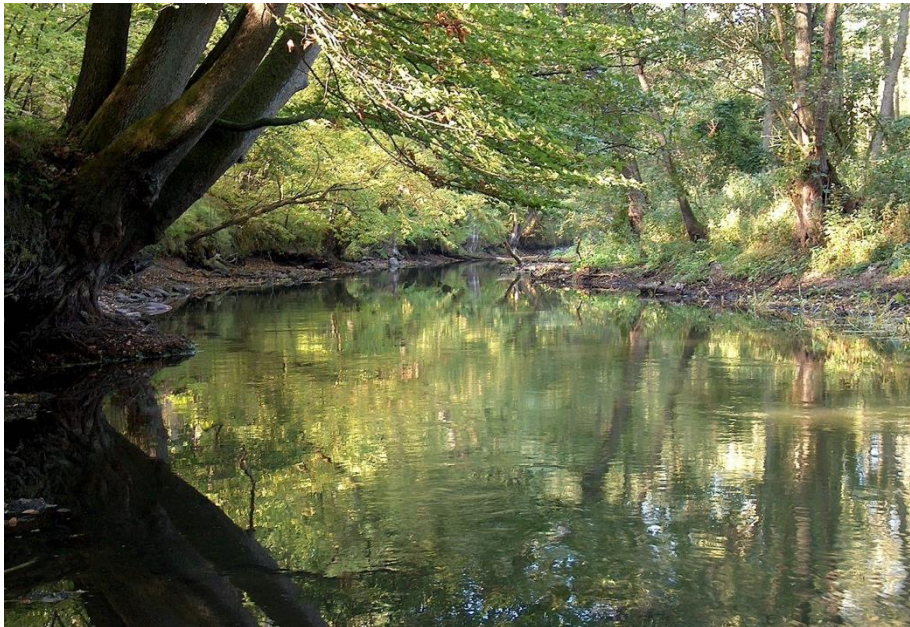
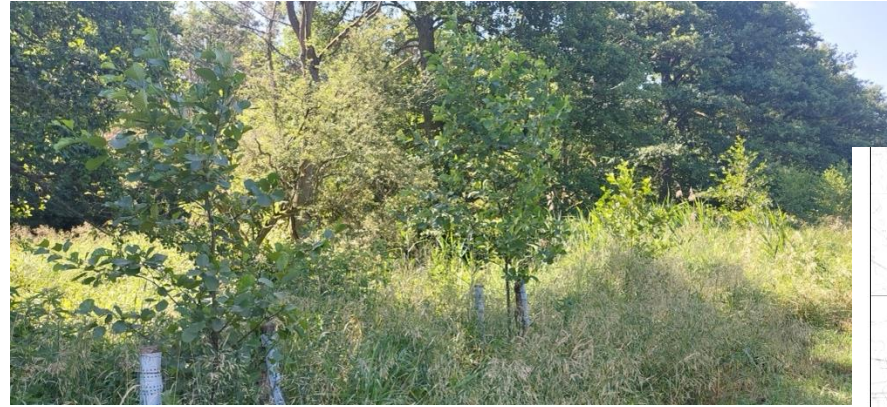
Revised January 2020

model forest's name	date of establishment	area of intrest							
<b>Villhelmina</b>	2004	water managment (fishways)	disssusion about balancing production and nature conservation	reindeer husbandary plans	participatory planning and networking building				
<b>Bergslagen</b>	2013	a decision-support system to locate valuable unprotected forest	to integrate the decision-support system	indicators for green infrastructures in forest landscapes	clearcut-free forest management alternatives	pollinators and pollination services			
<b>Oborniki</b>	2015	tourism (trails, service point)	education/public awarness, (campaignes)	water managment (ecological barriers, quality, clearness, forest retention)	popular science analyses and publication (national and international conferences)	Restoration of the buffer zone along the Wełna and Flinta rivers	Introduction of nectariferous plant species	spatial planning	<harvesting> and <clear-cut> -free forests
<b>Helge River</b>	2016	urban forestry,	nature turism	cultural heritage	pilot study on nature conservation in a green infrastructure perspective	Forestry Values – timber, food and turism			
<b>Czech Republic</b>	2017	scientific analyses and implementation of scientific information (forest and landscape)	education						



## Oborniki Model Forest







Tydzień Edukacji Globalnej - Studio WTK #1



Lasy robią klimat - TVP3 odc. 1/3



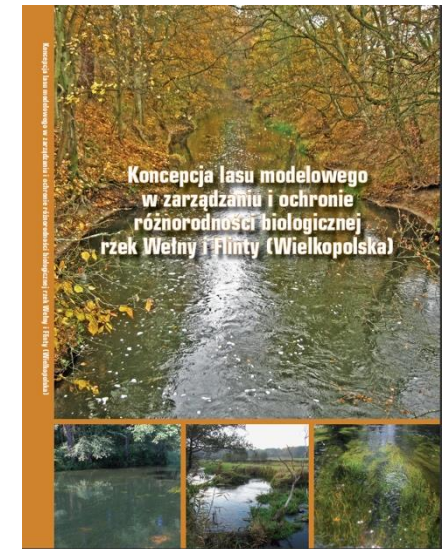
**Nadleśnictwo Oborniki – nowoczesne technologie i piękno polskiego krajobrazu**

Nikogo nie dziwią podsumowania, jakie niedługo z nas robi na koniec roku. Wnikliwa analiza tego, co nam wyszło lub nie i plany na przyszłość to nieodłączny element upływającego czasu. Za nami półmiesiąc robót, czas intensywnych działań edukacyjnych. Może warto sięgnąć pamięcią do tego, co już za nami?

**Nadleśnictwo Oborniki**

**Z**miana w Nadleśnictwie Oborniki. Otwieranie się na nowe technologie i nowoczesne technologie w zarządzaniu lasem. W Nadleśnictwie Oborniki, gdzie od wielu lat trwa proces transformacji, wdrażania nowoczesnych technologii w zarządzaniu lasem. W Nadleśnictwie Oborniki, gdzie od wielu lat trwa proces transformacji, wdrażania nowoczesnych technologii w zarządzaniu lasem.

**Nadlesnictwo Oborniki**



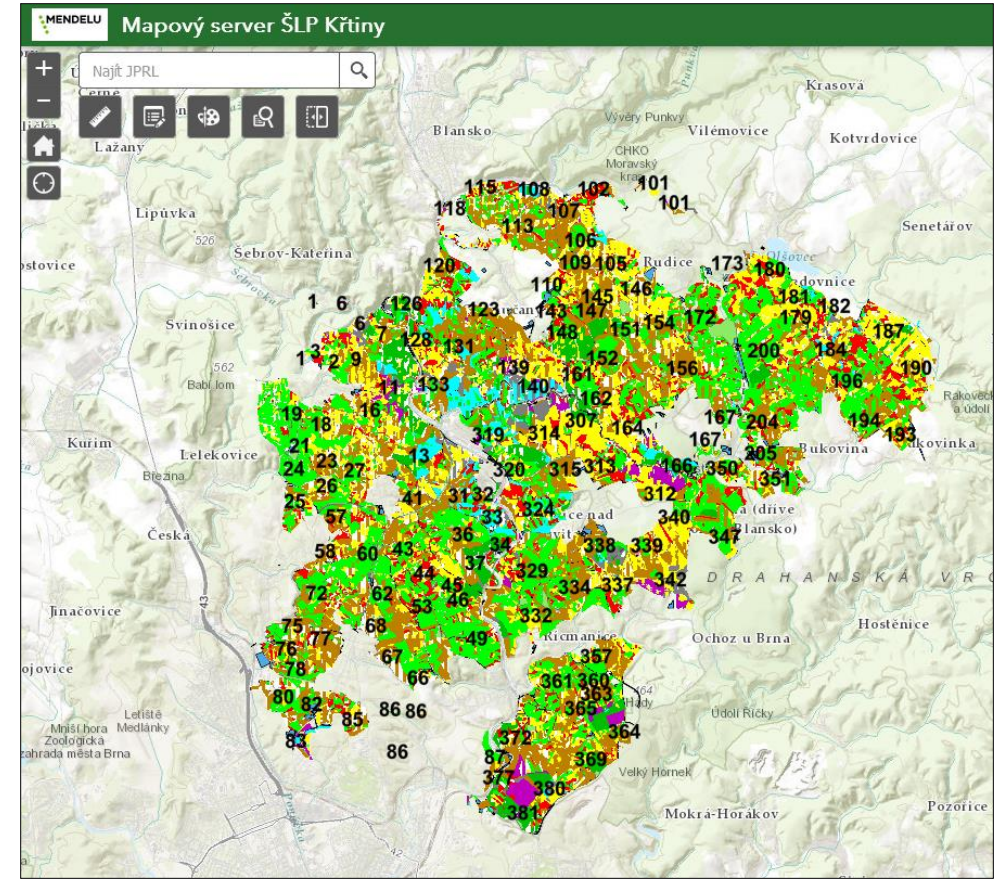





	Křivoklátsko Forestry Park	Forests of the Czech Republic, s.e.	173 km <sup>2</sup>	23 communities
	Bezdez Forestry Park	Military forests and farms, s.e.	249 km <sup>2</sup>	34 communities
	Podkomorske lesy Forestry Park	Forests of the Czech Republic, s.e.	22 km <sup>2</sup>	2 communities and Brno city districts
	Masarykuv les Forestry Park	Mendel University	129 km <sup>2</sup>	32 communities, townships and Brno city districts
	Lower Morava Biosphere Reserve	Lower Morava BR, p.b.c.	349 km <sup>2</sup>	31 communities
Total			922 km <sup>2</sup>	



MODELOVÝ LES  
ČESKÁ REPUBLIKA



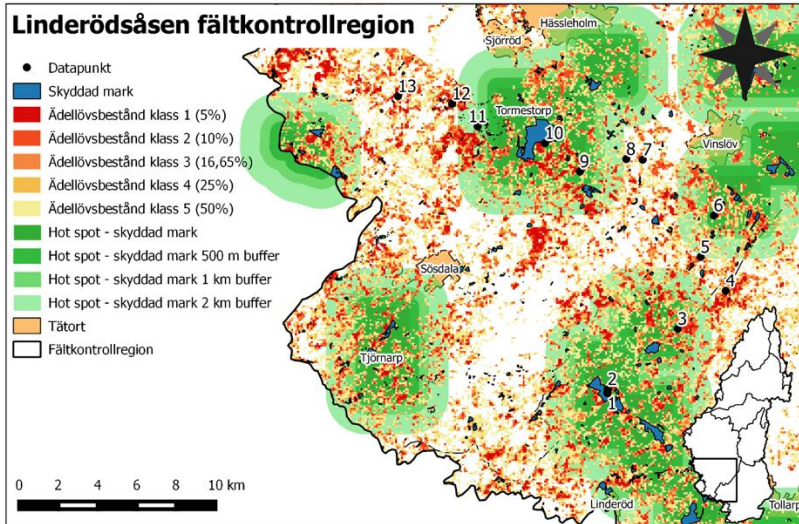
-  **Vilhelmina municipality**
  - 6 300 inhabitants, 0,7 person/km<sup>2</sup>
  - 8 700 km<sup>2</sup> (3 200 km<sup>2</sup> productive forest; 60 % private, 40 % state/common)
  - 16 % protected of total area (20 % of the productive forest)

 **2 (4) Sami reindeer-herding and economic districts**

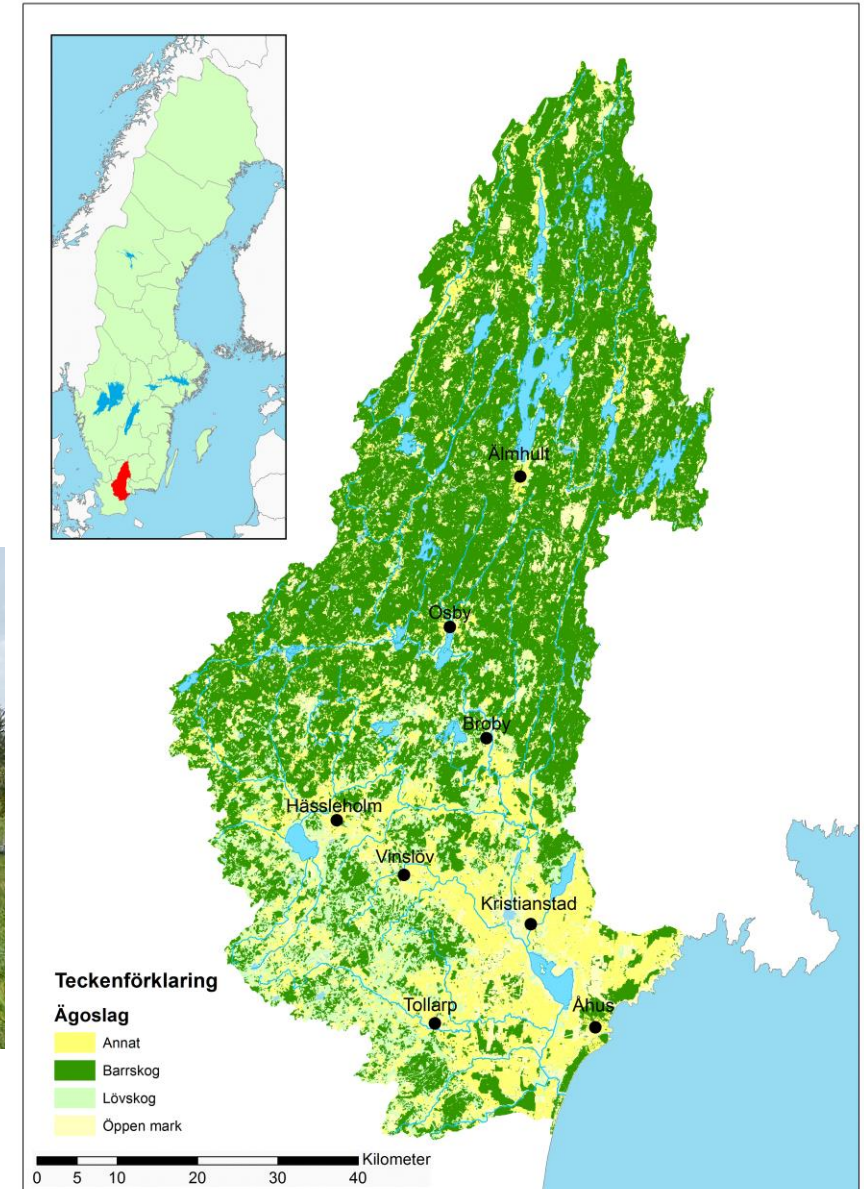
 **Ångermanälven catchment area**





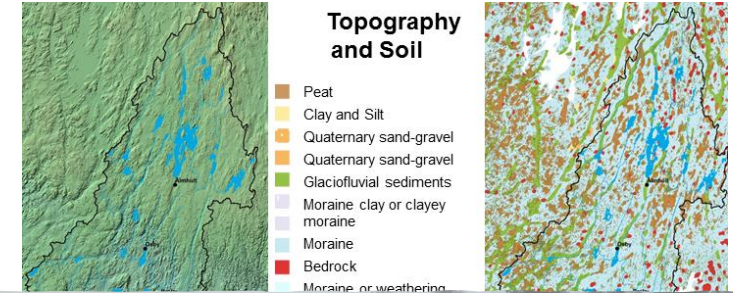


One of three Swedish Model Forests



## Plans for the near future

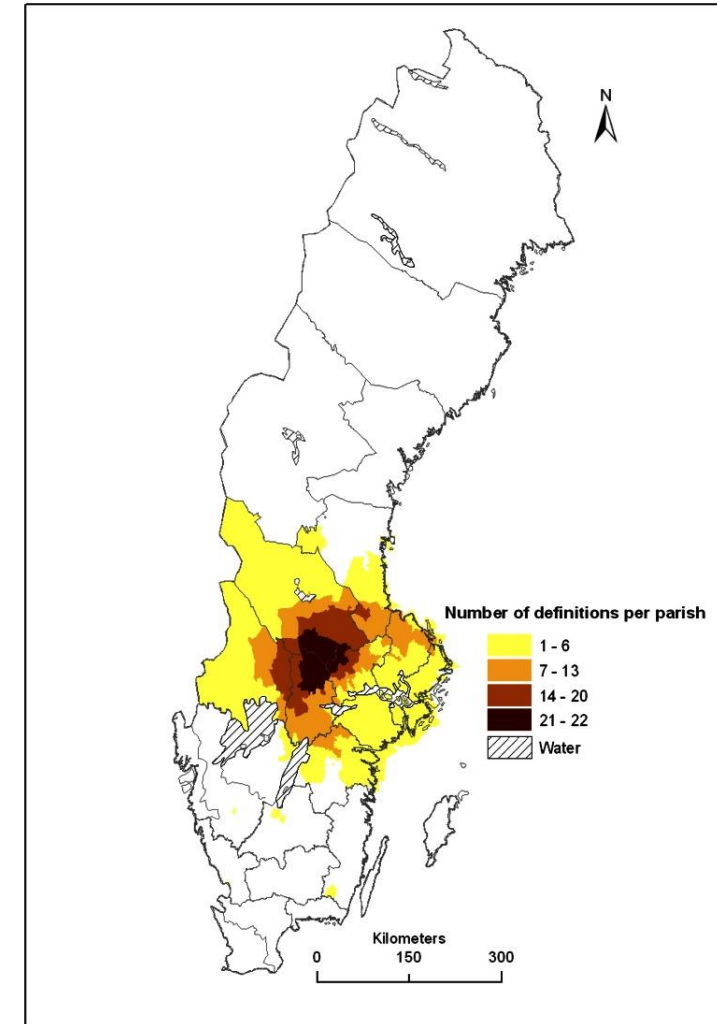
- **Update** our strategic plan.
- **Follow up** new and renewed contacts
- Forestry on peat – **an idea** emerged in Bonn of a bilateral Ireland-Sweden project/exchange.
- Forest and clay - climate smart building material through a regional value chain. From climate resilient forestry to sustainable building materials with procurement as a driver.
- **A restart** with drinking water plants and University on the issue Browning of freshwaters: Consequences to ESS, underlying drivers, and potential mitigation measures.
- **Contact** [jan.lanner@skogsstyrelsen.se](mailto:jan.lanner@skogsstyrelsen.se)



# Bergslagen MF: development of decision-support system for functional green infrastructure

## Collaboration in the Bergslagen MF area

- Researchers locate unprotected forest areas with high conservation value based on their naturalness
- Workshops with planners to integrate the decision-support system in county administrations, municipalities and land owners





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**Thanks for your attention**

**Grazie per la vostra attenzione**

**شكراً على انتباهكم**

**Gracias por su atención**

**Merci pour votre attention**

**Ευχαριστώ για την προσοχή σας**

**Hvala na vašoj pažnji**

**Faleminderit për vëmendjen tuaj**


**Dikkitiniz için teşekkür ederim**

*Speaker: Jarosław Bator, deputy head of Oborniki Forest District, Poland*

# A wall-to-wall map of forest naturalness

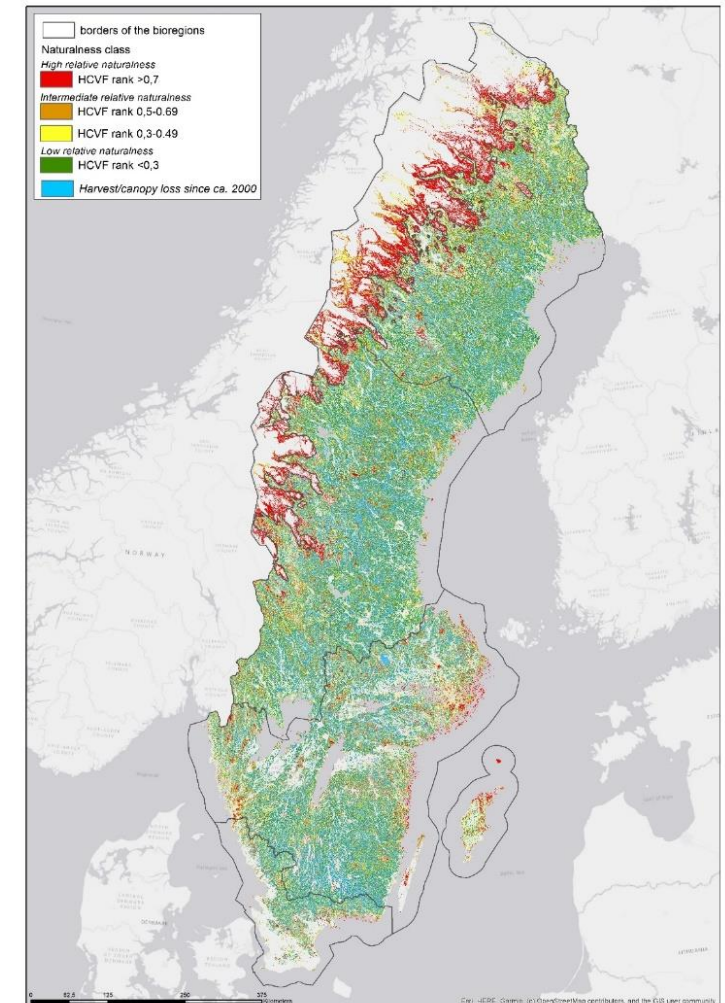
<https://doi.org/10.1038/s43247-024-01325-7>

## The conservation value of forests can be predicted at the scale of 1 hectare

 Check for updates

Jakub W. Bubnicki<sup>1</sup>✉, Per Angelstam<sup>2</sup>, Grzegorz Mikusiński<sup>3,4</sup>, Johan Svensson<sup>5</sup> & Bengt Gunnar Jonsson<sup>5,6</sup>

To conserve biodiversity, it is imperative to maintain and restore sufficient amounts of functional habitat networks. Therefore, the location of the remaining forests with natural structures and processes over landscapes and large regions is a key objective. Here we integrated machine learning (Random Forest) and open landscape data to scan all forest landscapes in Sweden with a 1 ha spatial resolution with respect to the relative likelihood of hosting High Conservation Value Forests. Using independent spatial stand- and plot-level validation data, we confirmed that our predictions correctly represent different levels of forest naturalness, from degraded to those with high and associated biodiversity conservation values. Given ambitious national and international conservation objectives and increasingly intensive forestry, our model and the resulting wall-to-wall mapping fill an urgent gap for assessing the achievement of evidence-based conservation targets, spatial planning, and designing forest landscape restoration.



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