

Who Owns the Forests? A new international study

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Institute of Chartered Foresters
National Conference 2019

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ELEMENTS OF HUMAN WELL-BEING
Security, nutrition, shelter, health, social relations

REGULATING SERVICES
Climate regulation,
water and flood
regulation

PROVISIONING SERVICES
Fresh water, minerals,
timber, food

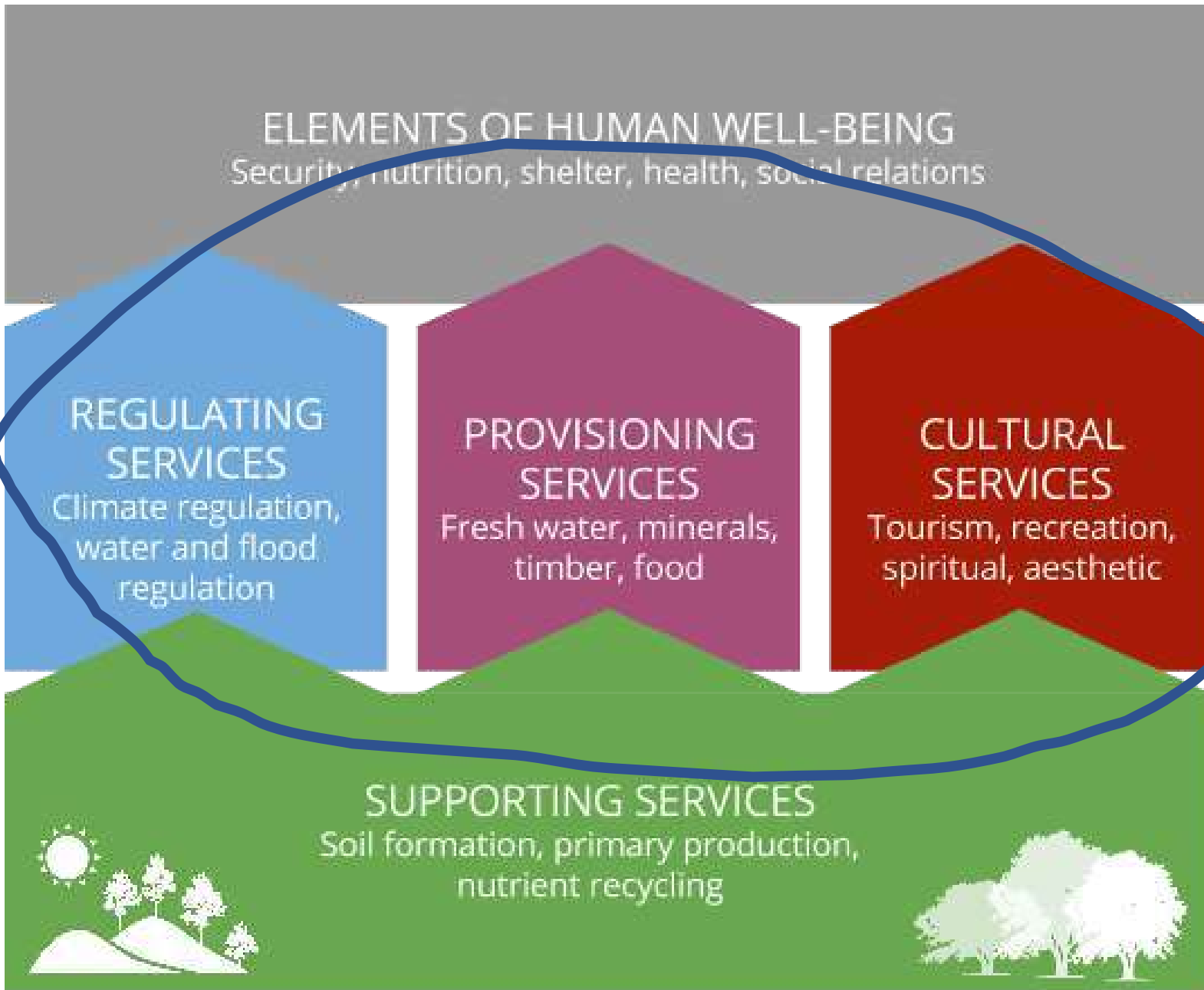
CULTURAL SERVICES
Tourism, recreation,
spiritual, aesthetic

SUPPORTING SERVICES
Soil formation, primary production,
nutrient recycling

owners

management

Source: <http://altusimpact.com/altusimpact/work/themes/natural-capital/>





UNECE: the Economic Commission for Europe

The ECE/FAO Forestry and Timber Section supports developing evidence-based policies for sustainable forest management.

FACESMAP: “Forest Land Ownership Change in Europe: Significance for Management and Policy”

A Cost Action led by BOKU, Vienna
Funded by European Cooperation in Science and Technology (COST)



1

Choose table













2

Choose variable

3

Show table

UNECE Statistical Database

-  [Area of forest and forest available for wood supply by ownership class, 1000 ha \(Table 1a\)](#)
-  [Area of forest by management status by ownership class, 1000 ha \(Table 1b\)](#)
-  [Area and number of forest properties by size and ownership class \(Table 2\)](#)
-  [Growing stock, growth and drain by ownership class \(Table 3\)](#)
-  [Wood removals and certified area by ownership class \(Table 4a\)](#)
-  [State forests management organisations \(Table 6\)](#)
-  [Area and number of forest holdings by size \(Table 7\)](#)
-  [Workforce in public forests, persons \(Table 8\)](#)
-  [Removals from private forest properties by size, 1000 m3 \(Table 9\)](#)
-  [Individual forest owners by age and gender \(Table 10\)](#)
-  [Occupation of individual forest owners, % \(Table 11a\)](#)
-  [Place of usual residence of individual forest owners, % \(Table 11b\)](#)

Data now available at:
https://w3.unece.org/PXWeb2015/pxweb/en/STAT/STAT_26-TMSTAT1_080-FO17_FO

What is 'forest ownership'?

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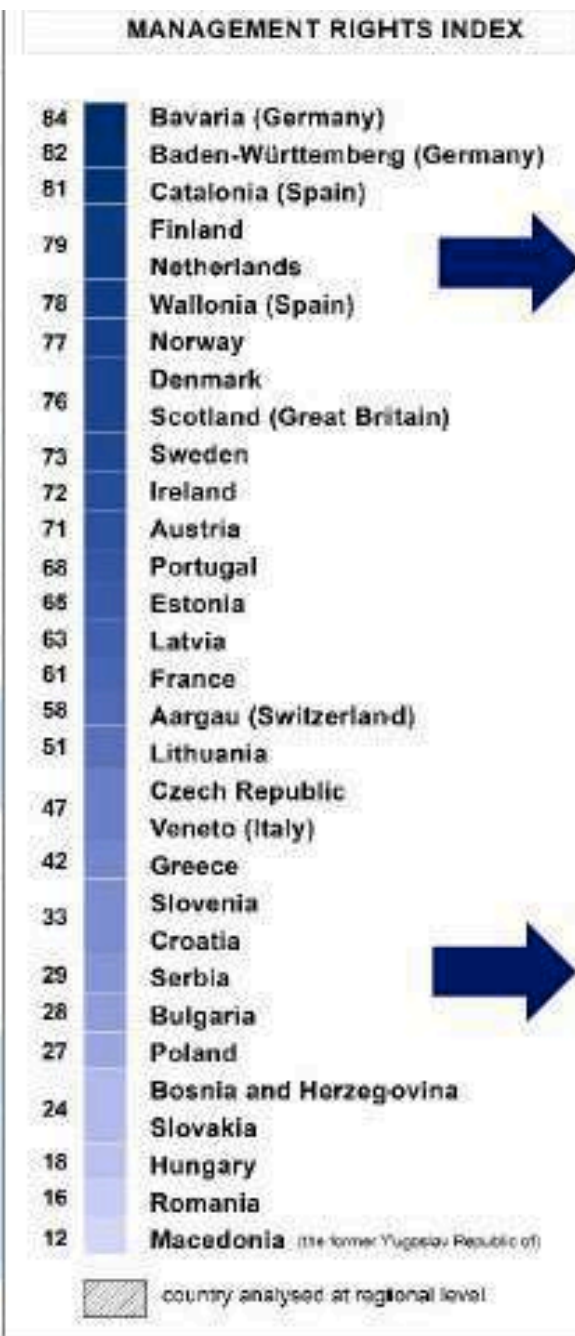
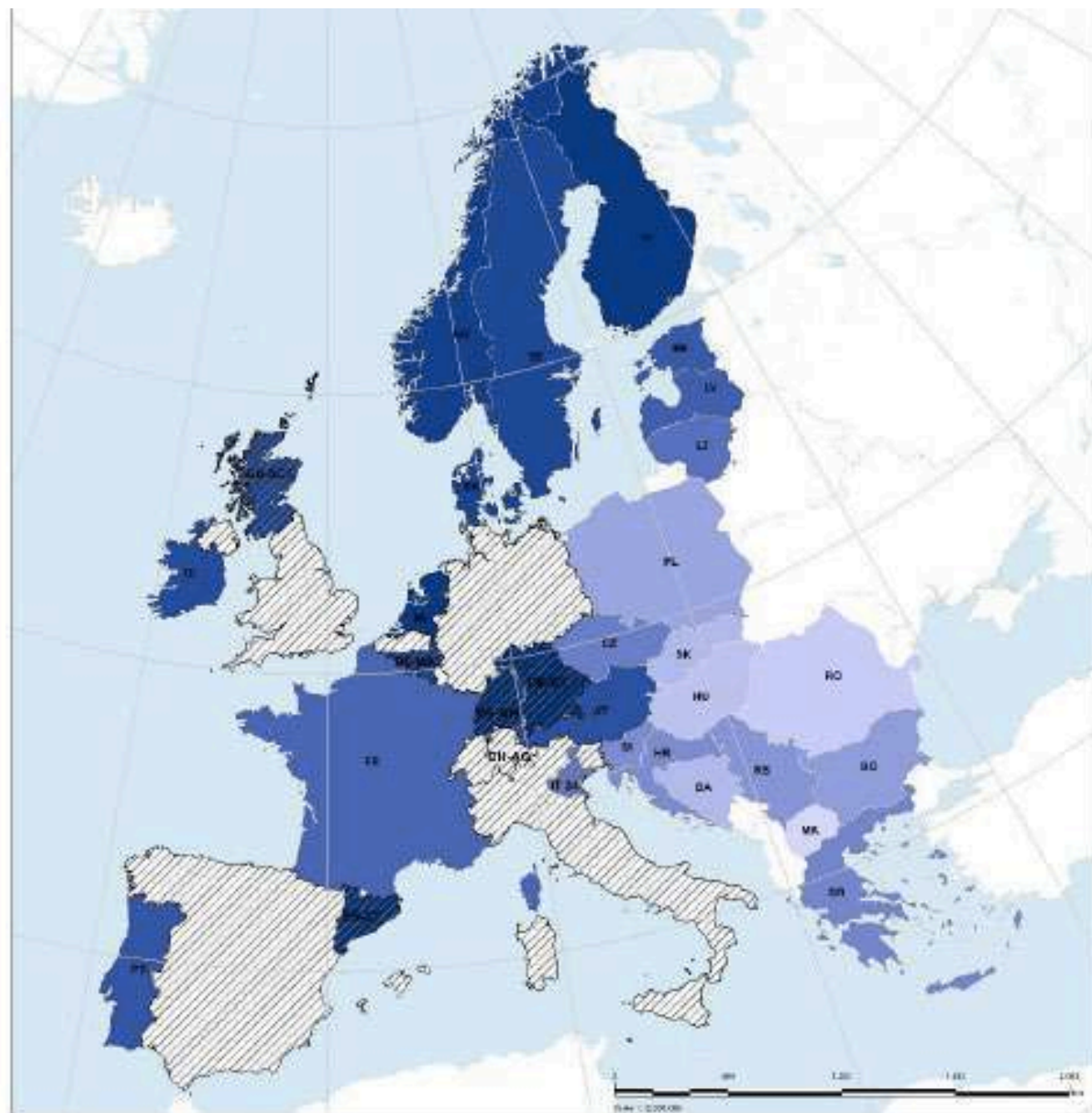
FAO Forest Resources Assessment definition:

“the legal right to freely and exclusively use, control, transfer, or otherwise benefit from a forest.”

But: most owners don't have all those rights:

1. **Access** rights (rights to enter forest land);
2. **Withdrawal** rights (rights to harvest or remove timber, firewood and NWFPs);
3. **Management** rights (rights to plan internal forest activities and transform the forest);
4. **Exclusion** rights (rights to prevent others from accessing and harvesting wood or NWFPs);
5. **Alienation** rights (rights to sell forestland and forest products as well as to lease or sell management and exclusion rights)

(Schlager and Ostrom, 1992)



“Freedom with responsibilities”

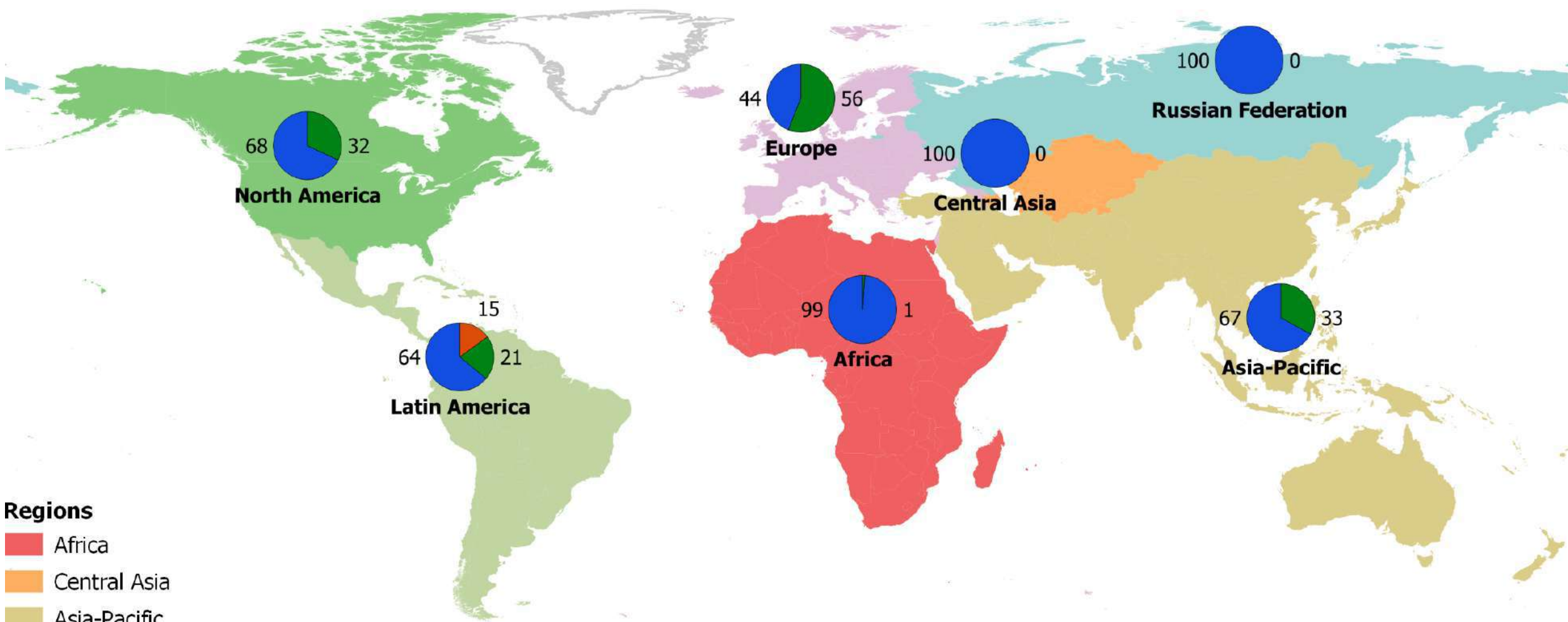


Prescriptive forest management goals



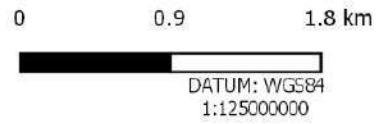


Forest owners



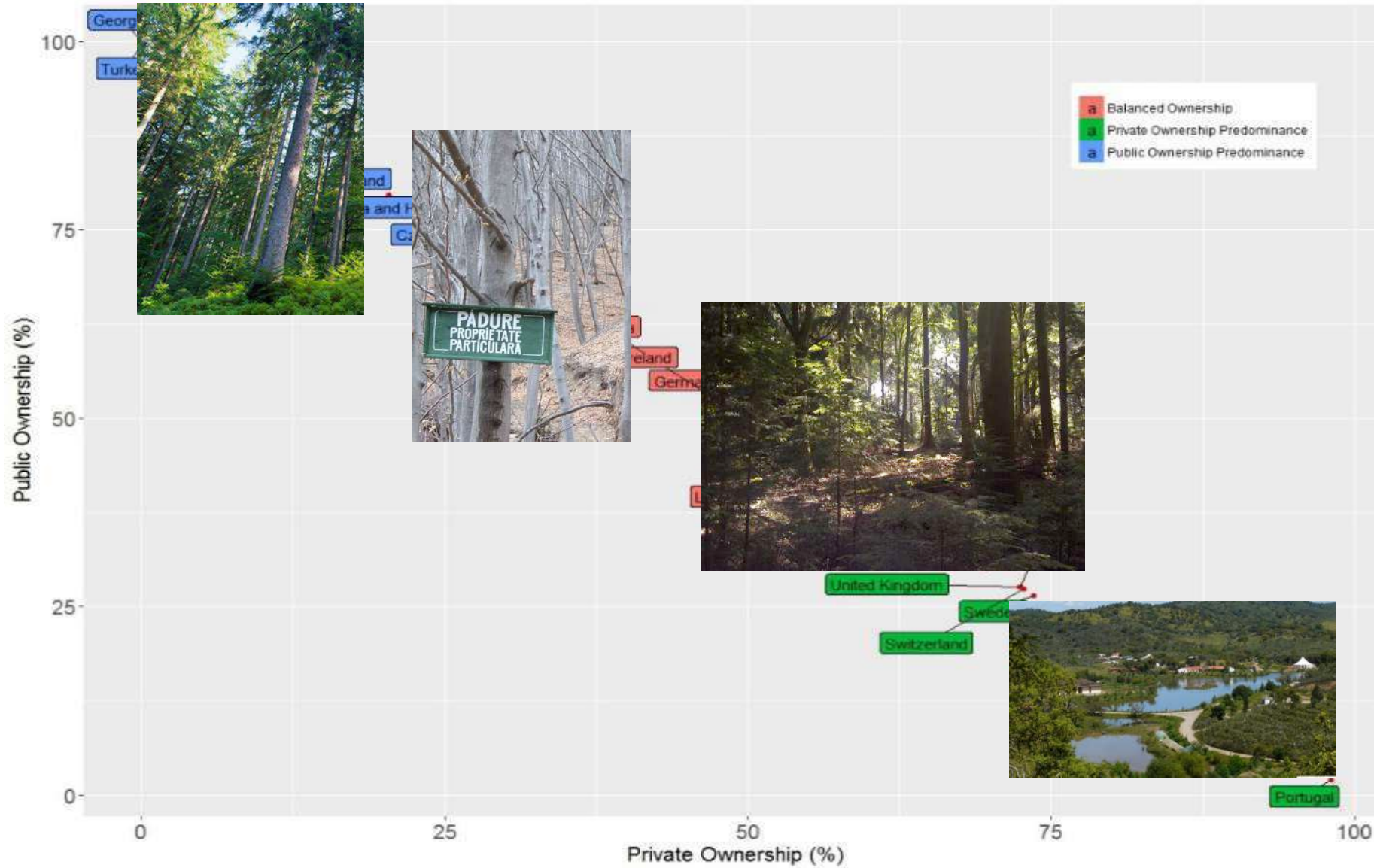
- Regions**
- Africa
 - Central Asia
 - Asia-Pacific
 - Europe
 - Latin America
 - North America
 - Russian Federation

- Ownership (%)**
- Public
 - Private
 - Other/Unknown

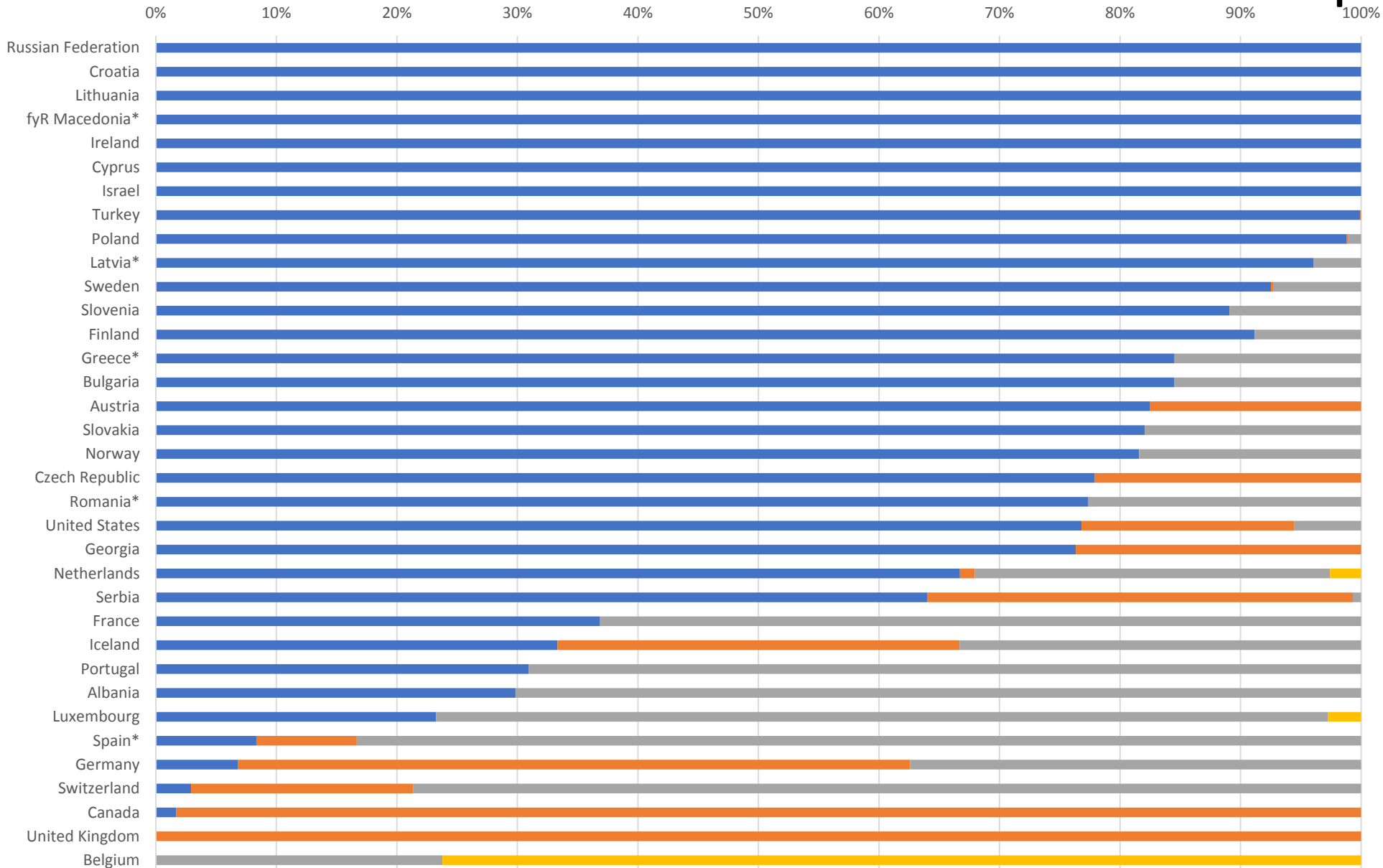


An overview

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Public ownership in more detail

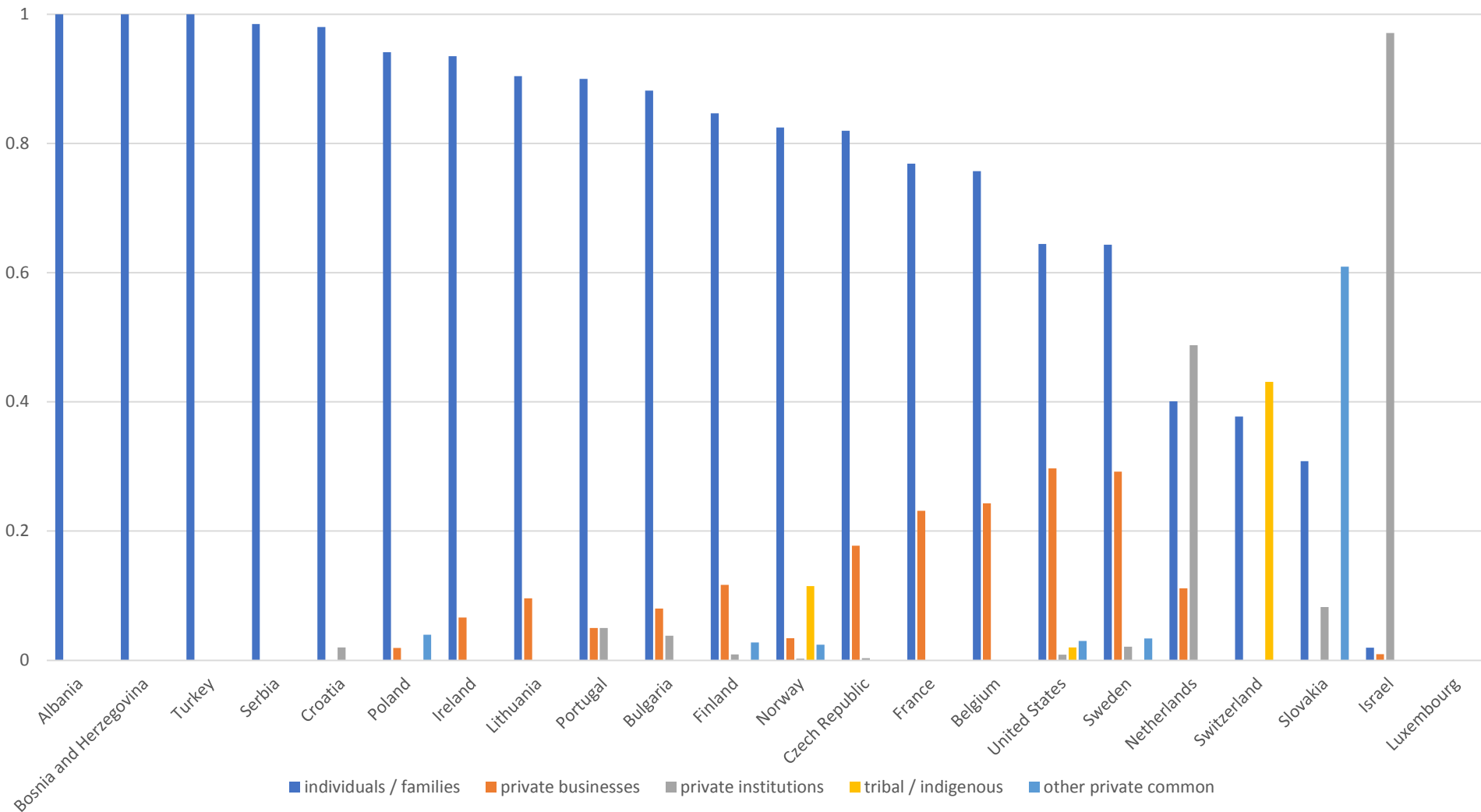


Private ownership in more detail

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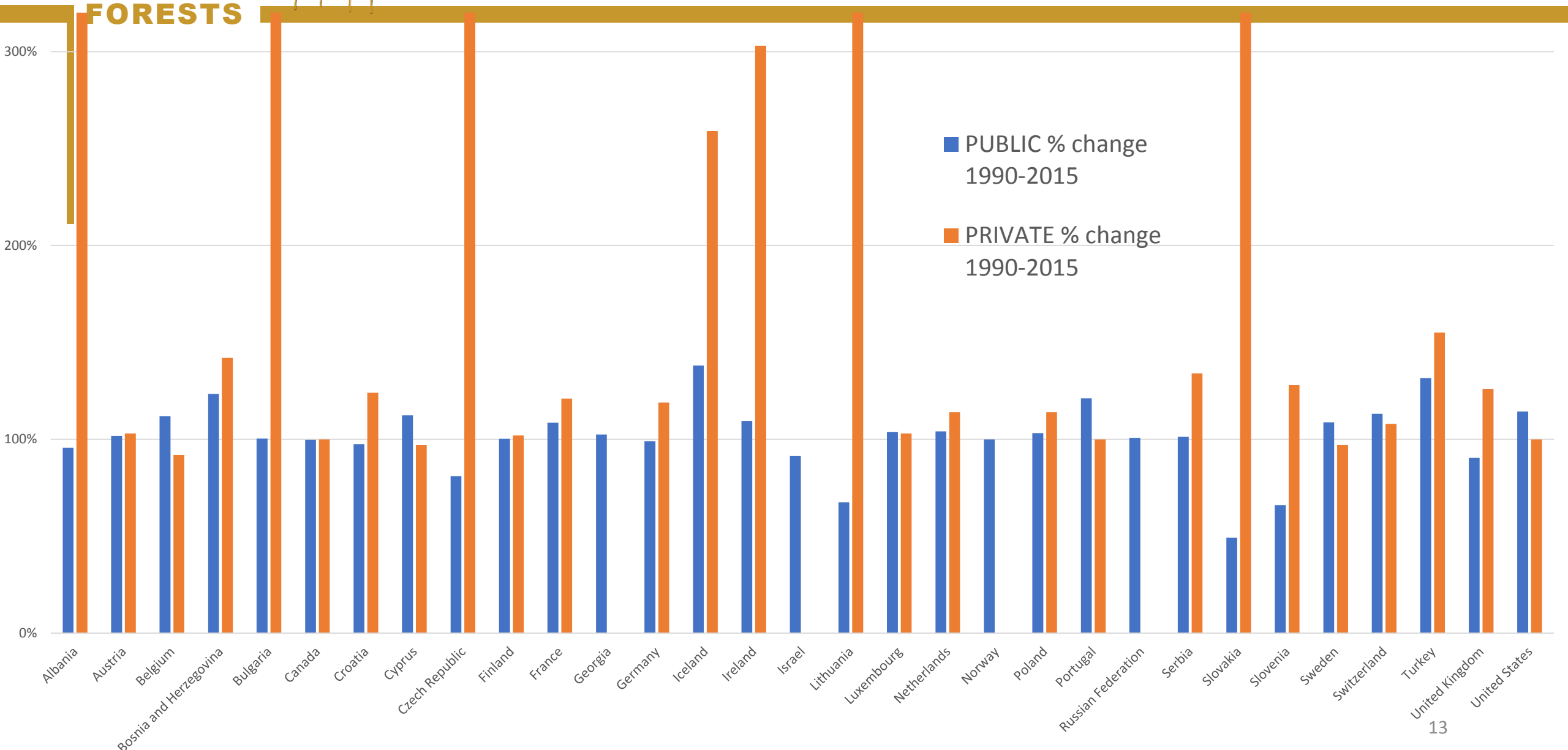
Proportion of total area of private land owned by different types of private owners



Changing ownership

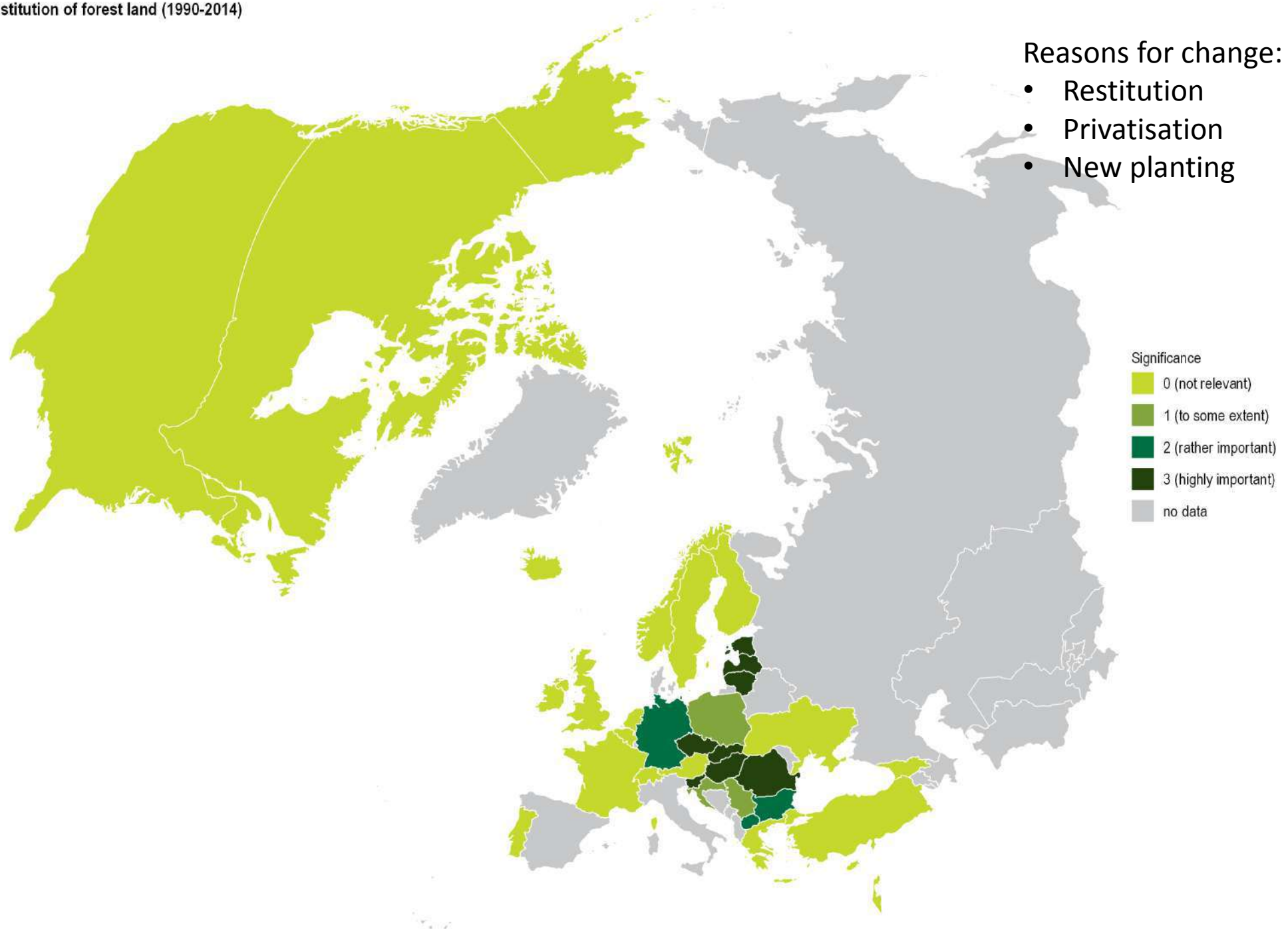


Changing ownership



Reasons for change:

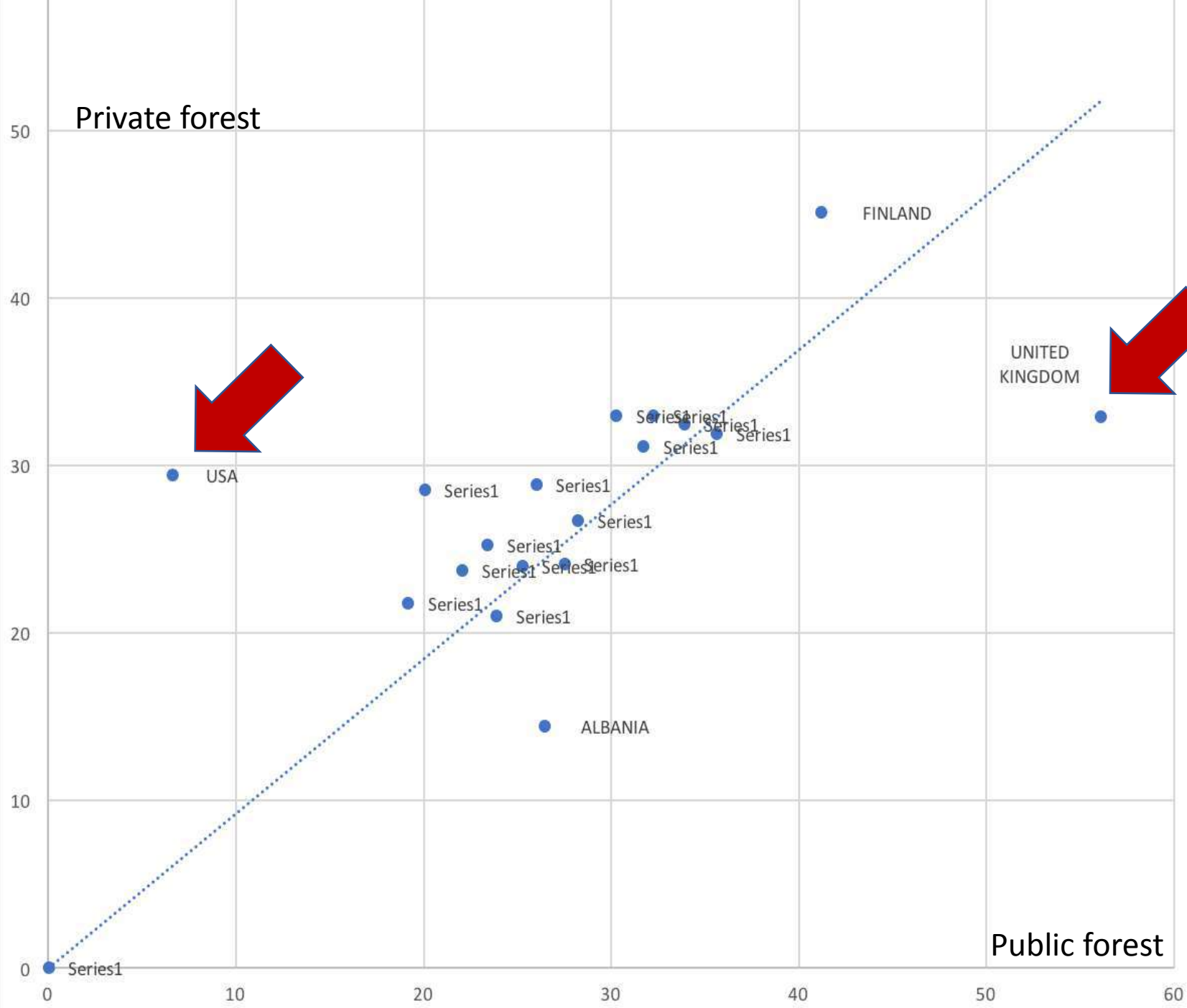
- Restitution
- Privatisation
- New planting



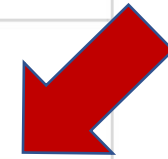


Forest condition and utilisation



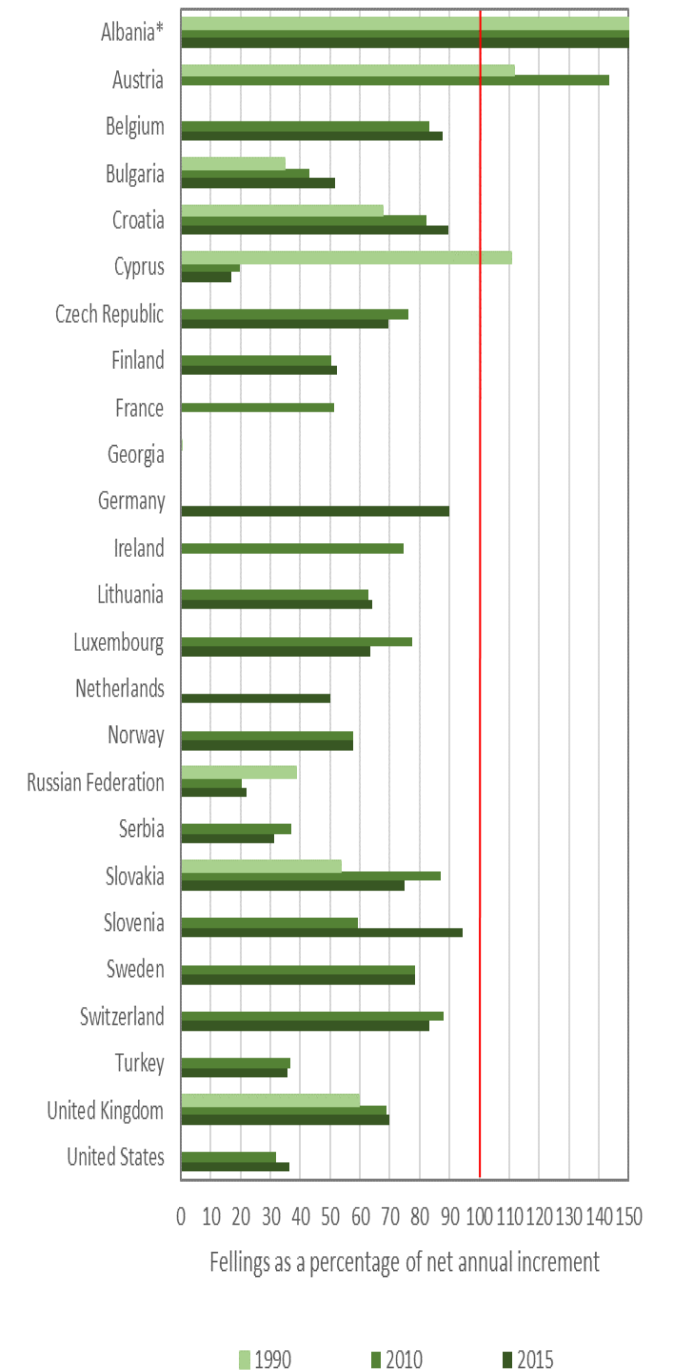
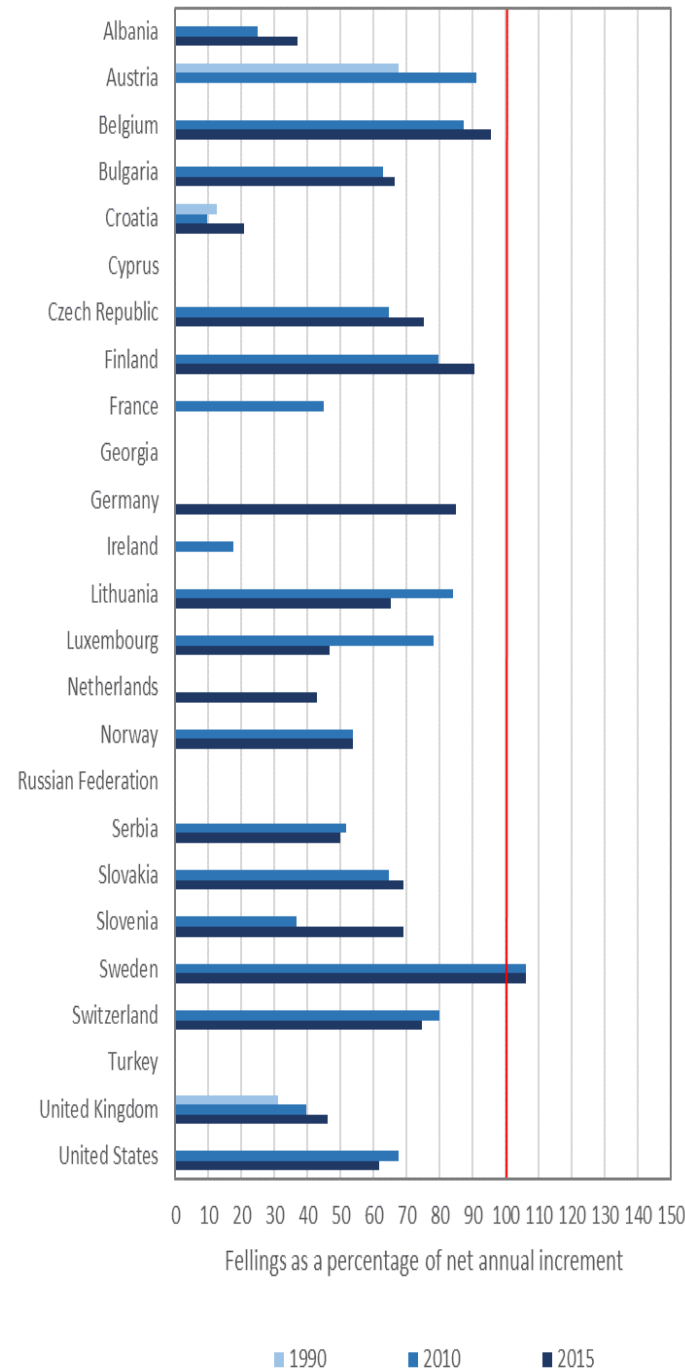


Comparison of net annual increment per volume of growing stock, in public and private forests



Forest utilisation rate

- Red line: harvest = net annual increment

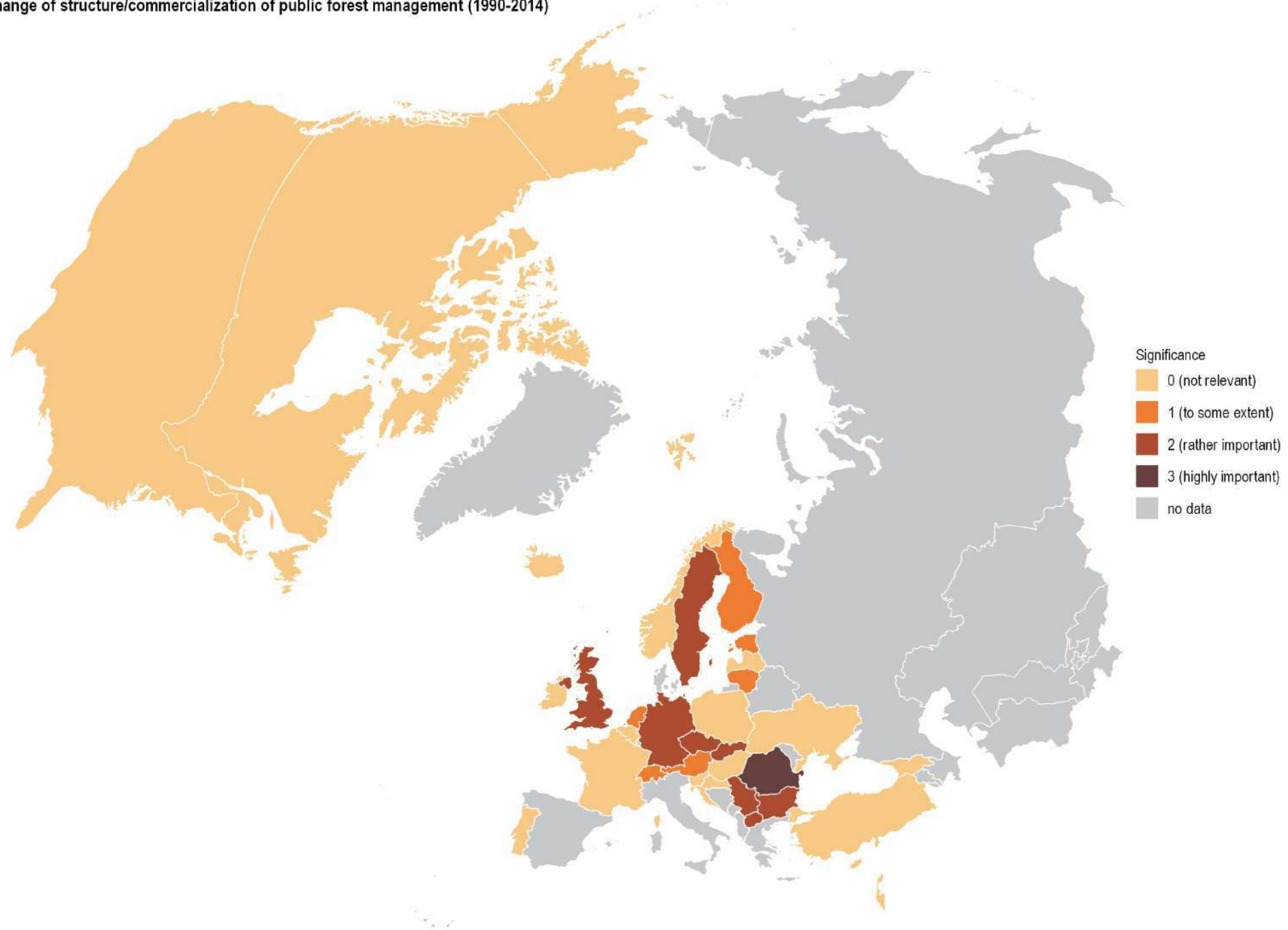




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Forest administration and organisation

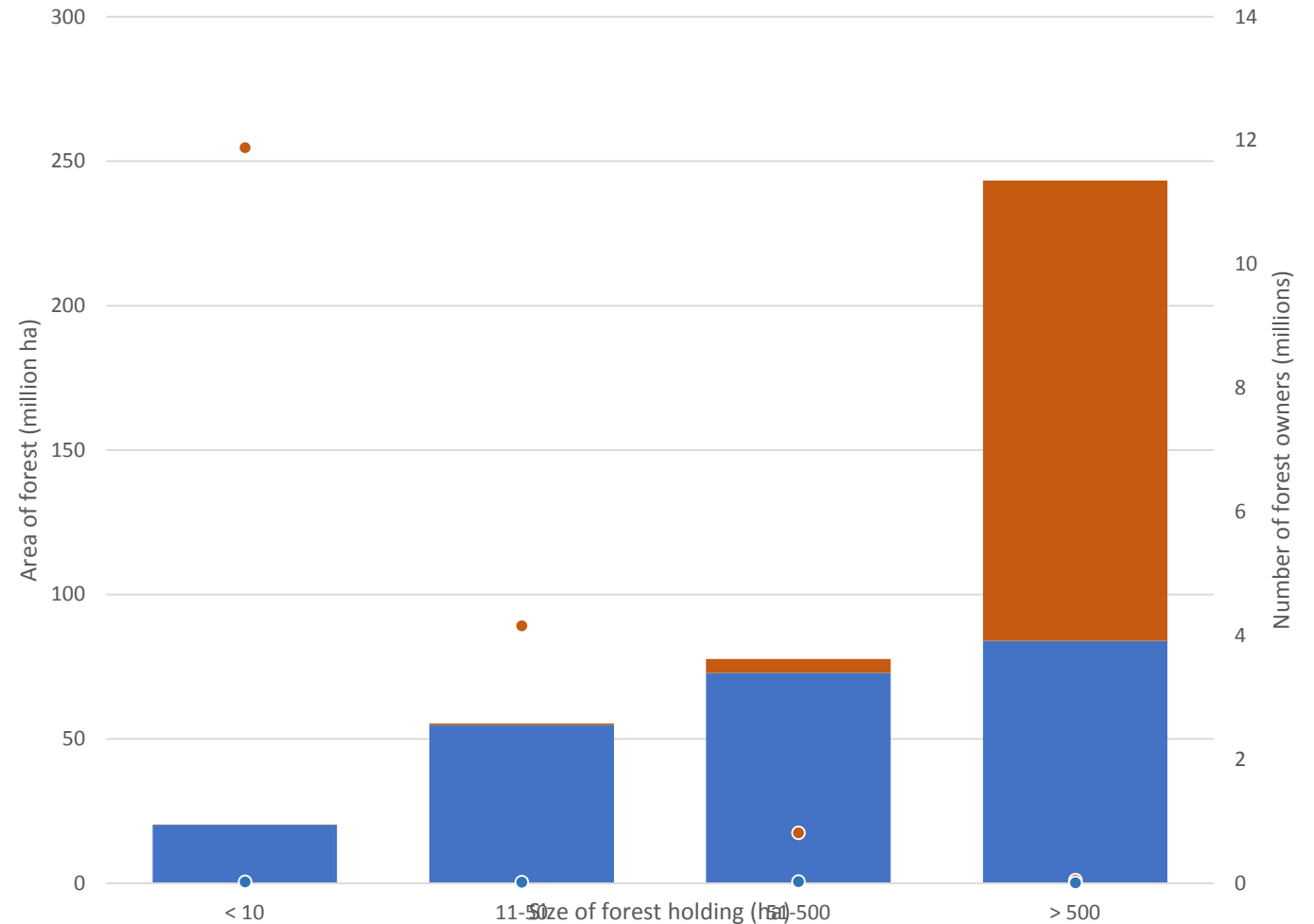
Change of structure/commercialization of public forest management (1990-2014)





Parcel size in public and private forests

- Private - Area
- Public - Area
- Private - Numbers
- Public numbers

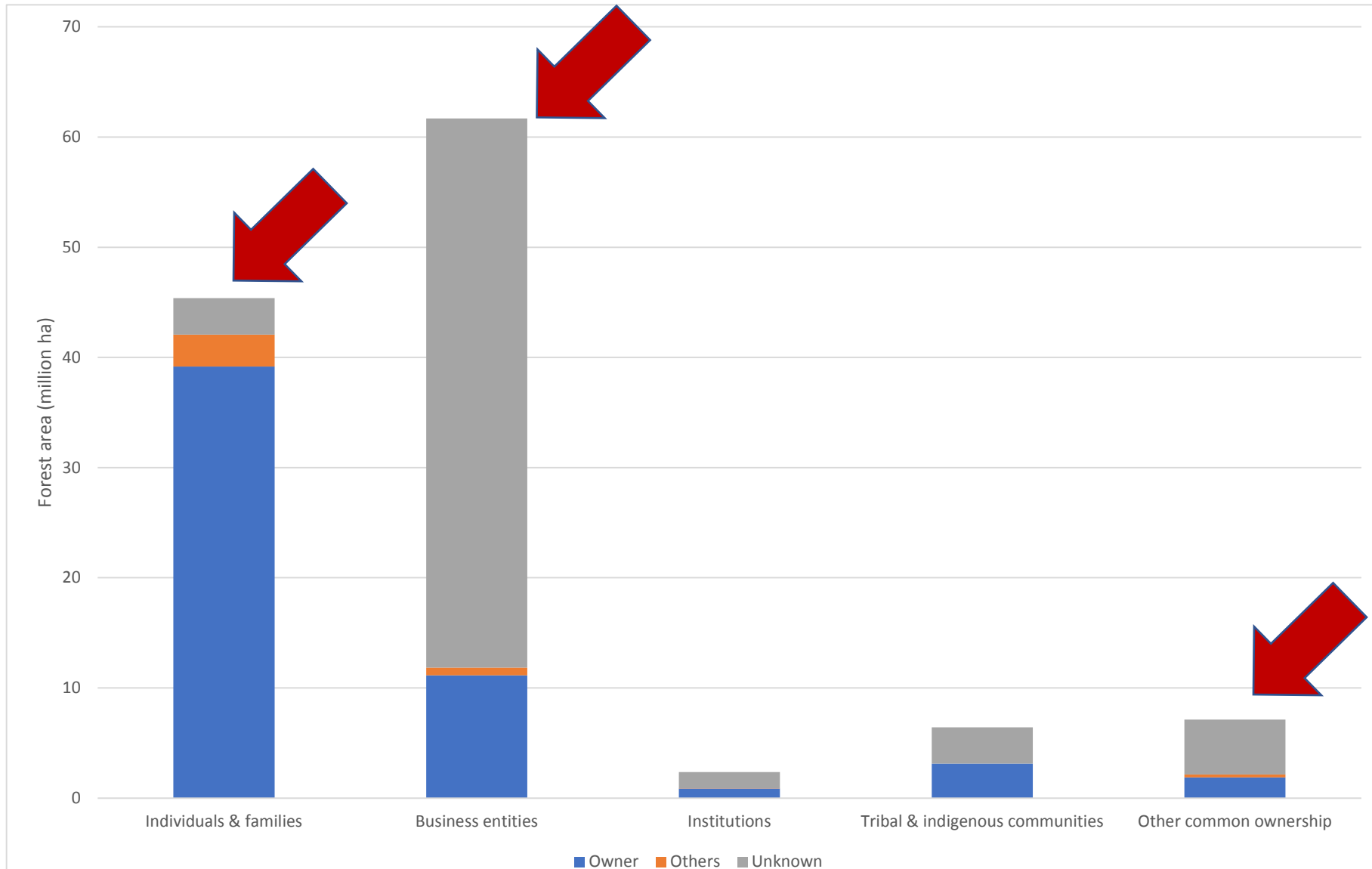
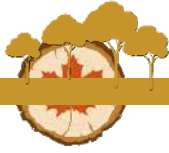


Changing life style, motivations and attitudes of forest owners (1990-2014)



Private forest management

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5 trends in forest advisory systems

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- from regulatory control to incentive and persuasion
- from a focus on timber production to wider ecosystem services (now plus biomass)
- more democratic, participatory and negotiated - peer-to-peer knowledge sharing
- from public to private sector
- new communication tools complementing face-to-face





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