



Regional Forest Information Week

State of forests and forest management in the UNECE region
in the context of current needs and challenges

United Nations, Geneva – 21 March 2011



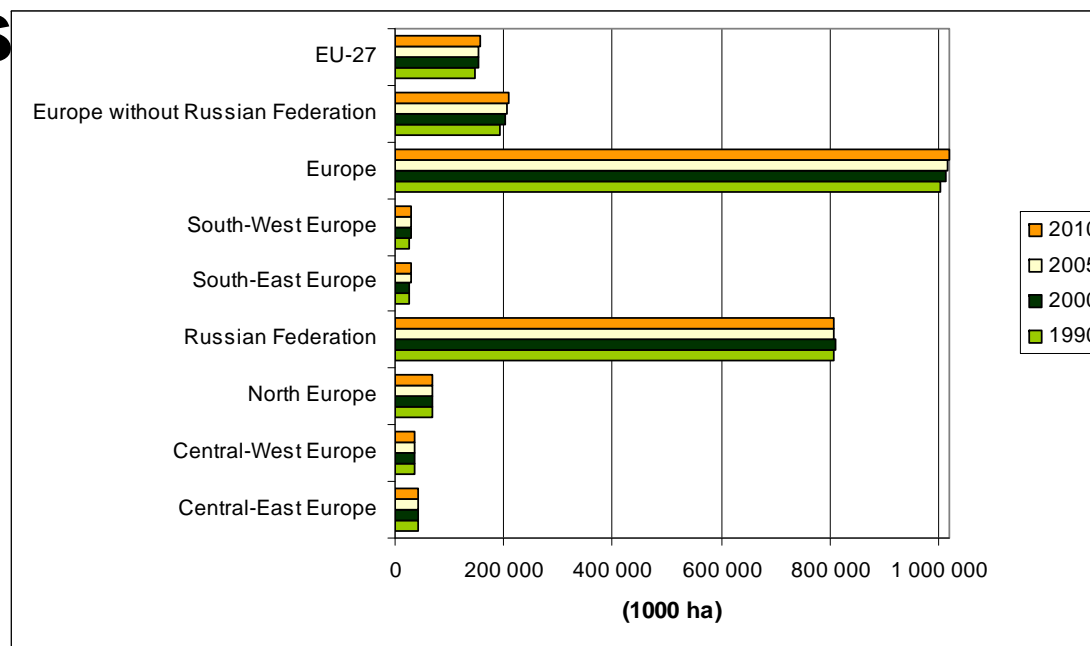
Extent of forest resources

By Claude Vidal



1.1. Forest area – Trends

- Forest area has increased since 1990
- **+4.7 million hectares for the past 5 years**



Trends in forest area by region, 1990-2010



By Claude Vidal, French National Forest Inventory



1.2. Growing stock – Main figures

- Growing stock of the European forests = 114.2 billion m³
- 75.7% available for wood supply

Region	Growing stock (million m ³)	
	Forest...	of which available for wood supply
Central-East Europe	9 533	7 539
Central-West Europe	8 364	8 103
North Europe	8 114	6 974
Russian Federation	81 523	68 234
South-East Europe	4 198	3 178
South-West Europe	2 484	2 223
Europe	114 215	96 252
Europe without Russian Federation	32 692	28 018
EU-27	24 132	21 750

Growing stock of forest by region, 2010



By Claude Vidal, French National Forest Inventory



1.2. Growing stock – Trends

- 432 million m³ added each year for the past 20 years in European forests

Region	Total growing stock in forest (Million m ³)		Annual change rate (1990-2010)	
	1990	2010	Million m ³	%
Central-East Europe	7 111	9 533	121.1	1.48
Central-West Europe	6 826	8 364	76.9	1.02
North Europe	6 702	8 114	70.6	0.96
Russian Federation	80 040	81 523	74.2	0.09
South-East Europe	3 176	4 198	51.1	1.40
South-West Europe	1 722	2 484	38.1	1.85
Europe	105 576	114 215	432.0	0.39
Europe without Russian Federation	25 563	32 692	356.5	1.24
EU-27	19 143	24 132	249.5	1.16

Trends in total growing stock in forests, 1990-2010

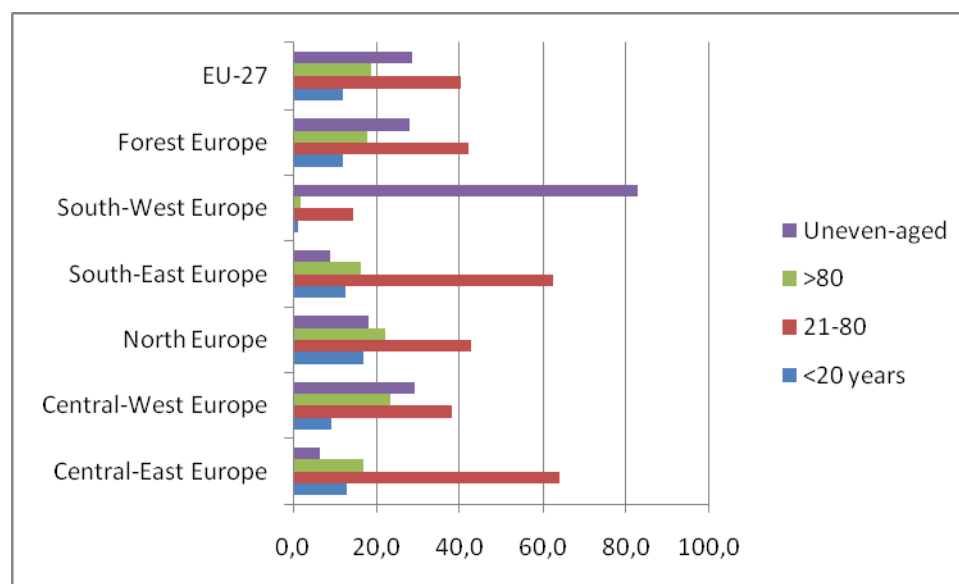


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1.3. Age structure – Main figures

- European forests are largely even-aged forests
- Mostly between 20 and 80 years old



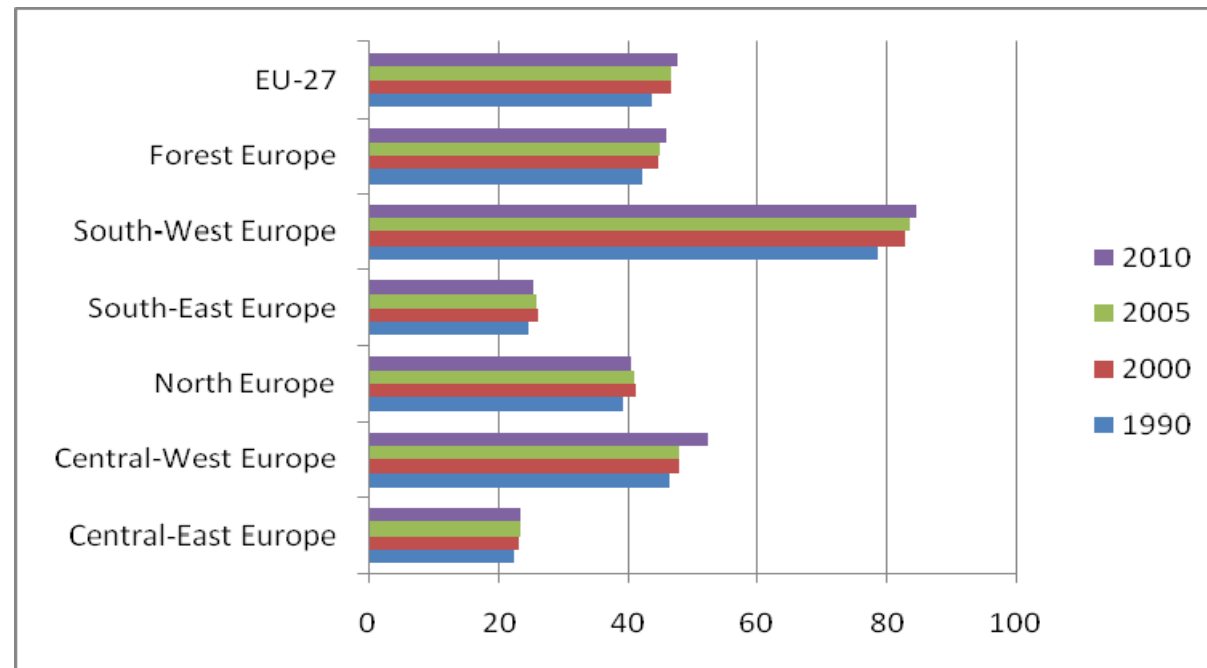
The structure of European forests in 2010 in terms of proportion forest (%)

By Claude Vidal, French National Forest Inventory



1.3. Age structure – Trends

- The areas of old and uneven-aged forests tend to increase slightly



Trends in the proportion of old (>80 years) plus uneven-aged forests

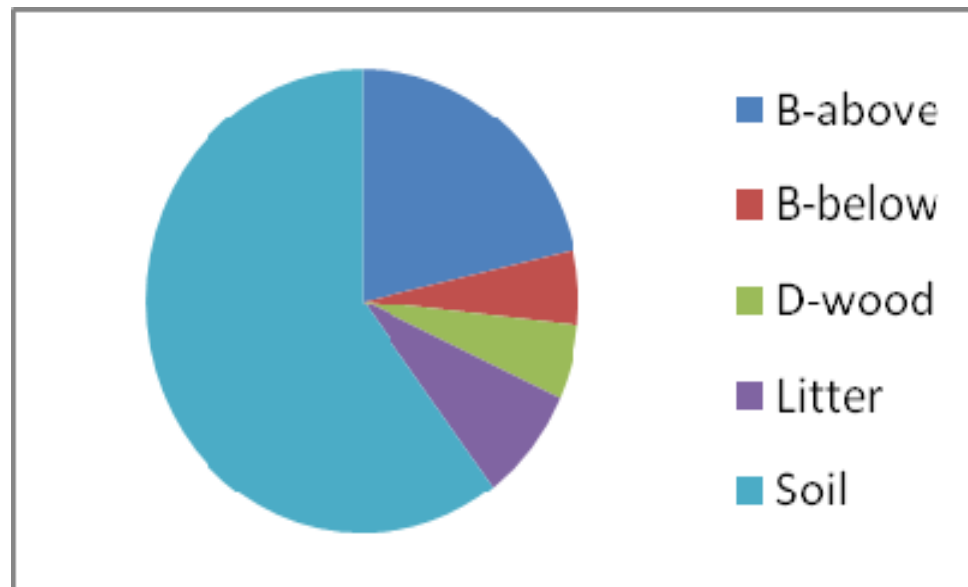


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1.4. Carbon stock – Main figures

- Europe's forests are still major carbon sinks
- Carbon stock in total European forest biomass = 46.1 billion tonnes



Proportions of the five forest carbon pools in Forest Europe countries

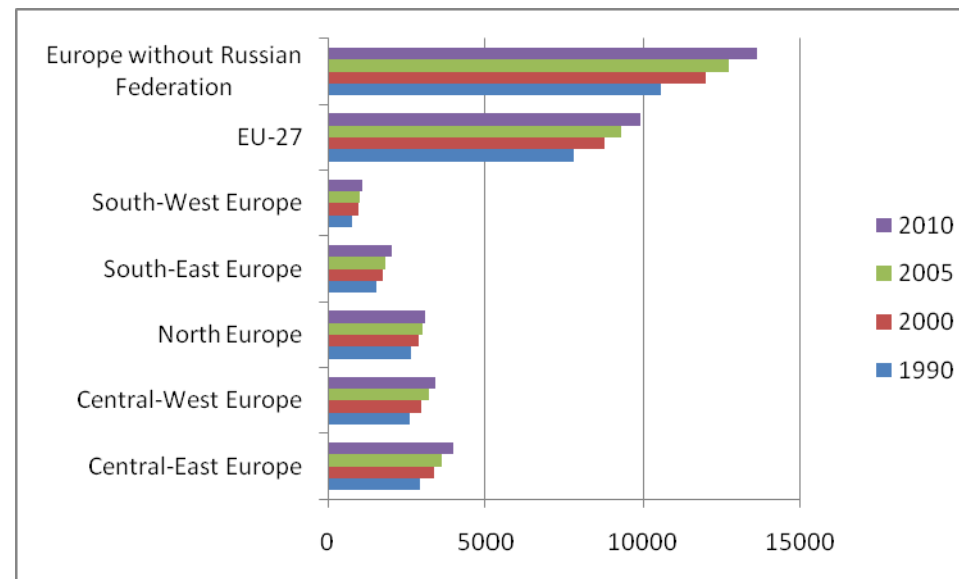


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1.4. Carbon stock – Trends

- Annual sequestration of CO₂ in European forest biomass (2005-2010) = 870 million t
- Corresponds to 10 % of GhG emissions for the Forest Europe countries



Carbon pools in forest biomass from 1990 to 2010 in different European regions

By Claude Vidal, French National Forest Inventory

