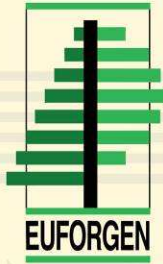


# **Data collection on Indicator 4.6. (genetic resources) for the State of Europe's Forests 2011 report**

EUFORGEN Steering Committee meeting, Vienna, Austria  
16 September 2010

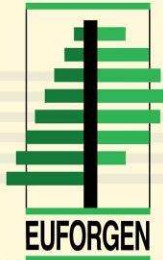


# State of Europe's Forests 2007 report

## *Indicator 4.6. Genetic resources*



**EUFORGEN has provided data on the Area managed for conservation and utilization of forest tree genetic resources (*in situ* and *ex situ* gene conservation) and area managed for seed production**

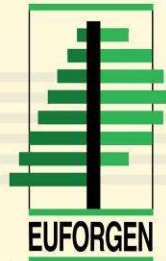


# State of Europe's Forests 2007 report

## page 60

Table 14. Area managed in MCPFE countries for *in situ* and *ex situ* gene conservation and for seed production by tree species, 1990, 2000 and 2005 (based on available data)

	Area managed for <i>in situ</i> gene conservation			Area managed for <i>ex situ</i> gene conservation			Area managed for seed production		
	1990	2000	2005	1990	2000	2005	1990	2000	2005
	ha								
<i>Abies alba</i>	33 860.3	48 545.3	52 730.0	30.8	124.8	183.8	33 017.9	27 741.1	27 258.8
<i>Abies cephalonica</i>	–	–	–	0.5	0.5	0.5	0.0	2.1	1 568.7
<i>Abies grandis</i>	–	3.5	20.3	7.9	8.5	12.3	9.2	13.7	23.4
<i>Abies pinsapo</i>	–	–	100.0	–	–	–	0.0	–	–
<i>Acer campestre</i>	19.5	152.1	550.0	–	0.4	2.4	67.6	49.8	34.0
<i>Acer platanoides</i>	235.2	249.5	544.2	–	1.2	1.9	46.5	78.4	99.1
<i>Acer pseudoplatanus</i>	22 558.8	22 856.0	23 211.5	23.1	35.8	90.0	345.2	657.0	1 644.7
<i>Alnus glutinosa</i>	734.6	1 232.2	1 616.9	5.8	19.6	55.4	1 448.1	1 957.6	2 198.5
<i>Alnus incana</i>	10.0	115.0	132.5	3.2	2.2	2.2	0.5	6.7	14.4
<i>Betula pendula</i>	4 970.0	6 452.0	6 556.7	7.8	94.7	127.3	1025.7	1 485.3	1 397.7
<i>Betula pubescens</i>	73.6	743.0	863.6	1.0	4.9	6.9	1.9	135.9	174.1
<i>Carpinus betulus</i>	4 808.1	6 481.5	7 146.5	–	8.4	10.5	557.7	789.3	750.8
<i>Castanea sativa</i>	25.3	902.0	934.7	–	10.0	11.6	537.5	547.8	991.8
<i>Cedrus atlantica</i>	–	–	–	4.5	4.5	4.5	1 441.6	807.7	721.0
<i>Cedrus libani</i>	–	–	–	3.3	3.3	3.3	2 861.3	3 643.4	3 592.0
<i>Fagus sylvatica</i>	105 105.8	149 784.7	166 509.3	75.3	232.7	267.7	68 893.0	80 057.2	79 988.8
<i>Fraxinus angustifolia</i>	351.5	746.3	835.4	–	0.2	0.7	101.8	626.3	750.1

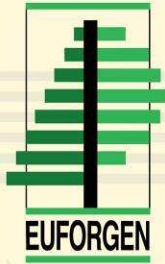


# State of Europe's Forests 2007 report

## page 216

Table A23. Genetic resources, 1990–2005

Country	Area managed for <i>in situ</i> gene conservation			Area managed for <i>ex situ</i> gene conservation			Area managed for seed production		
	Reference year			Reference year			Reference year		
	1990	2000	2005	1990	2000	2005	1990	2000	2005
	ha	ha	ha	ha	ha	ha	ha	ha	ha
Albania	–	–	–	–	–	–	–	–	–
Andorra	–	–	–	–	–	–	–	–	–
Austria	1 693,7	14 364,3	14 416,5	16,8	93,7	95,4	–	–	7 175,0
Belarus	5 248,3	5 248,3	6 086,3	1 021,6	1 823,6	1 796,4	1 434,4	2 301,8	2 101,3
Belgium	1 003,9	1 448,1	1 700,3	65,6	88,8	119,2	1 407,2	3 579,0	3 876,4
Bosnia and Herzegovina	3 559,8	–	4 942,0	11,0	–	11,0	1 766,1	–	3 233,7
Bulgaria	–	131 744,2	145 105,2	161,6	514,5	540,0	50 035,7	52 840,4	51 267,0
Croatia	5 162,0	5 274,6	4 977,0	75,7	80,7	80,7	22,6	27,1	74,6
Cyprus	250,0	5 445,0	5 445,0	–	–	3,0	19,0	19,0	19,0
Czech Republic	106 001,7	106 001,7	106 001,7	338,9	357,9	357,9	149 000,0	137 361,5	111 794,4
Denmark	–	–	4 650,5	–	–	–	–	–	1 632,5
Estonia	3 551,0	3 224,0	3 195,0	222,0	256,2	227,6	–	–	2 546,0
Finland	0,0	7 030,0	6 941,9	0,0	6,3	7,4	30 411,1	28 300,8	28 244,5
France	–	9 762,0	10 228,0	–	28,0	32,0	7 540 399,9	6 625 411,1	6 069 581,8
Georgia	–	–	–	–	–	–	–	–	–
Germany	1 001,0	11 000,0	10 410,0	0,0	11 100,0	11 000,0	1 000,0	201,5	1 000,0

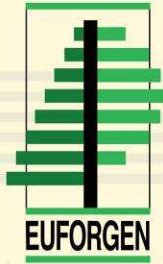


# State of Europe's Forests 2011 report

## *Indicator 4.6. Genetic resources*



**EUFORGEN is asked to provide data on Area managed for conservation and utilization of forest tree genetic resources (*in situ* and *ex situ* gene conservation) and area managed for seed production in 2010**



# State of Europe's Forests 2011 report

## *Indicator 4.6. Genetic resources*

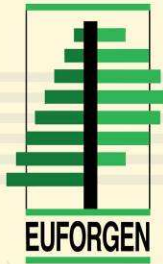
Like in 2007, the EUFORGEN Secretariat will be sending to all National Coordinators and Focal Points **Excel files to be filled in**

	A	B	C	D	E
1	<b>Country:</b>				
2		<i>Area managed for conservation</i>			
3		<b>Area managed for in situ gene conservation</b>			
4					
5		Reference year			
6		1990	2000	2005	2010
7					
8	<b>Total Area</b>				
9					
10	<i>Abies alba</i>				
11	<i>Abies cephalonica</i>				
12	<i>Abies grandis</i>				
13	<i>Abies pinsapo</i>				
14	<i>Acer campestre</i>				
15	<i>Acer platanoides</i>				
16	<i>Acer pseudoplatanus</i>				
17	<i>Alnus glutinosa</i>				
18	<i>Alnus incana</i>				



	A	B	C	D	E
1	<b>Country:</b>				
2	<b>Austria</b>	<i>Area managed for conservation</i>			
3					
4		<b>Area managed for in situ gene conservation</b>			
5		Reference year			
6		1990	2000	2005	2010
7					
8	<b>Total Area</b>				
9					
10	<i>Abies alba</i>	617.0	4,086.7	4,086.7	
11	<i>Abies cephalonica</i>				
12	<i>Abies grandis</i>				
13	<i>Abies pinsapo</i>				
14	<i>Acer campestre</i>	-	-	-	
15	<i>Acer platanoides</i>	-	-	-	
16	<i>Acer pseudoplatanus</i>	-	62.0	62.0	
17	<i>Alnus glutinosa</i>	5.7	5.7	5.7	
18	<i>Alnus incana</i>	-	15.0	15.0	





# What is different from 2007?



## European Information System on Forest Genetic Resources

DATA MAPS SEARCH DOWNLOAD UPLOAD

Gene conservation units

Data standards

Data providers

EUFGIS project

Tools

Links

Send feedback

Contacts

Site map

### Welcome to EUFGIS

This website provides you with geo-referenced information on the conservation of forest genetic resources in Europe and access to detailed data on dynamic gene conservation units of forest trees in different countries. The data is provided and frequently updated by national focal points based on pan-European minimum requirements and data standards for the units.

EUFGIS serves as a documentation platform linking national inventories on forest genetic resources in Europe. This supports the countries in their efforts to conserve forest genetic resources as part of sustainable forest management, as agreed in the context of Forest Europe, the pan-European forest policy process.

The countries can use EUFGIS for various reporting efforts, such as the State of Europe's Forests and the State of World's Forest Genetic Resources reports. It can also be used for identifying gaps in genetic conservation efforts within the distribution ranges of forest trees, developing gene conservation strategies for forest trees at pan-European level and sampling tree populations for research purposes.

The information system was developed by the EUFGIS project (Establishment of a European Information System on Forest Genetic Resources, April 2007-March 2011) in close collaboration with the European Forest Genetic Resources Programme (EUFORGEN) and its member countries. The EUFGIS project was co-funded by the European Commission through the Council Regulation (EC No 870/2004) on genetic resources in agriculture. In addition to the national focal points, a large group of experts and scientists contributed to the development of the information system.

### News

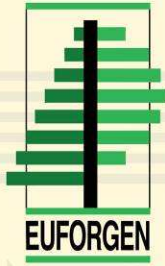
**Building a sound future for Europe's forest genetic resources** (6 Sep 2010) [\[more\]](#)

As of today, the EUFGIS database contains information on **2240** units and **142** tree species in **31** countries. The units harbour a total of **3228** tree populations.



EUFGIS is financially supported by the European Commission under Council Regulation (EC) 870/2004.

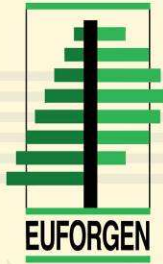




## What is different from 2007?



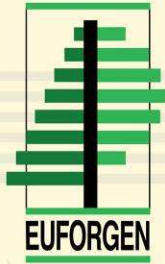
Area managed for conservation and utilization of forest tree genetic resources (*in situ* and *ex situ* gene conservation) and area managed for seed production



## What is different from 2007? *in situ* conservation:

**2007** - Conservation of genetic resources 'on site', in the natural and original population, on the site formerly occupied by that population, or on the site where genetic resources of a particular population developed their distinctive properties.


**2011** - EUFGIS DGCU meeting the minimum requirements



# State of Europe's Forests 2011 report

## *Indicator 4.6. Genetic resources*

Area managed for conservation and utilization of forest tree genetic resources

- ***in situ***  EUFGIS
- ***ex situ***
- **seed production**



## European Information System on Forest Genetic Resources

DATA MAPS **SEARCH** DOWNLOAD UPLOAD

Gene conservation units

Data standards

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Site map

Eufgis-portal > **Search**

### Search options

You can search the database using two options; quick and advanced search. The quick search option is based on three key criteria which are shown below. In the advance search option, you have more criteria available and you can also make multiple choices in the lists (press Ctrl while selecting several species, for example).

The data may still include some inconsistencies as the most data has been uploaded recently into the database and the data screening process is still underway. Please notify us if you notice any inconsistencies in the data. You are also welcome send us suggestion on how to improve this website. For these purposes, please use the "Send feedback" option.

Quick search

**Advanced search**

Country

Austria

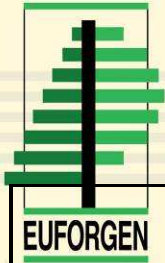
Target species

Type and function of the unit

Search

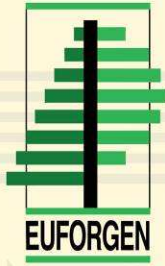


EUFGIS is financially supported by the European Commission under Council Regulation (EC) 870/2004.



## Comparing data - Austria

species	1990	2000	2005	2010 EUFGIS	2010 EUFGIS pop share
<i>Abies alba</i>	617 .0	4,086.7	4,086.7	<b>3,829.4</b>	<b>758.1</b>
<i>Fagus sylvatica</i>	178 .0	450.3	450.3	<b>3,285.1</b>	<b>1,230.7</b>
<i>Picea abies</i>	740 .0	6,229.1	6,229.1	<b>6,472.8</b>	<b>3,333.4</b>
<i>Pinus sylvestris</i>	103 .0	468.5	468.5	<b>962.1</b>	<b>288.9</b>
<i>Taxus baccata</i>	5.0	112.0	157.6	<b>505.5</b>	<b>7.2</b>



## Recommendations for supplying data



- **Provide only 2010 data**
- **Provide total area per country (not  $\Sigma$  spp. area)**
- **Add new species only at the bottom of the list (not reported)**

	A	B	C	D	E
1	<b>Country:</b>				
2	<b>Austria</b>	<i>Area managed for conservation</i>			
3					
4		<b>Area managed for in situ gene conservation</b>			
5		Reference year			
6		1990	2000	2005	2010
7					
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13	<i>Abies pinsapo</i>				
14	<i>Acer campestre</i>	-	-	-	
15	<i>Acer platanoides</i>	-	-	-	
16	<i>Acer pseudoplatanus</i>	-	62.0	62.0	
17	<i>Alnus glutinosa</i>	5.7	5.7	5.7	
18	<i>Alnus incana</i>	-	15.0	15.0	

