

# QUESTIONNAIRE REGARDING POPLARS AND WILLOWS IN ROMANIA, 2011

## CONTACTS

For clarifications regarding the data in the present questionnaire, please contact:

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**Table 1: Total Area of Poplars and Willows by Main Forest Categories, Degree of Mixing with Other Species and Purpose**

Poplars and Willows Forest categories		Total area 2011 (ha)	Total area by forestry functions %				Planted area during 2008- 2011 (forestation and reforestation) (ha)
			Production		Protecti on (%)	Others * (%)	
			Timber industry (%)	Fuel wood (%)			
<b>Natural</b>	<b>Poplars</b>	24.595	33,5	8,2	58,1	0,2	
	<b>Willows</b>	15.517	14,7	5,5	79,0	0,8	
	<b>Mix P &amp; W</b>	8.846	31,1	2,5	65,9	0,5	
	<b>Total</b>	48.958					
<b>Planted</b>	<b>Poplars</b>	47.942	25,1	1,3	73,4	0,2	8.110
	<b>Willows</b>	19.505	7,6	3,9	88,2	0,3	1.811
	<b>Mix P &amp; W</b>	1.238	20,5	2,0	75,4	2,1	33
	<b>Total</b>	68.685					9.954
<b>Agroforestry/ TOF</b>	<b>Poplars</b>	703	20,5	0	35,5	44	
	<b>Willows</b>	24	100	0	0	0	
	<b>Mix P &amp; W</b>	53	96,2	0	0	3,8	
	<b>Total</b>	780					
<b>Grand Total</b>		118.423					

\*Specify all the other functions:

**Table 2: Mean Annual Increment (MAI), Rotation Lengths, Annual Removals by Species or Clones, Forestry Categories and Purpose**

Species/Group of cultivar/Cultivar/Clone		Area (%)	MAI m <sup>3</sup> /ha /yr	Average Rotation (years)			Removals 2011 m <sup>3</sup>		
				Production purpose		Protection purpose	Production		Protection
				Industrial timber	Fuel wood		Industrial timber	Fuel wood	
<b>Natural</b>	<b>Poplars</b>								
	P. alba	14	5.8	35	35	40	8,095	4,575	32,412
	P. nigra	4	6.4	35	35	38	4,971	2,240	21,002
	P. tremula	16	4.8	40	40	48	16,196	5,742	6,919
	<b>Willows</b>								
	S. alba	10	9.2	32	32	37	2,368	1,404	24,488
	S. fragilis	1	9.2	32	32	36	1,259	0	
	S. caprea	2		32	34	38	310	1,027	246
<b>Planted</b>	<b>Poplars</b>								
	P. alba	3	6.6	32	32	36	1,469	171	13,059
	P. nigra	1	7.2	31	31	37	220	135	6,080
	P.canadensis	41	10.8	28	28	34	58,875	8,223	335,655
	<b>Willows</b>								
S. alba	6	10.2	28	28	34	20,777	4,848	48,977	
<b>Grand Total</b>		<b>100</b>							

**Table 3 Main cultivars in use**

Main cultivars in use	%	Resulted from certified genetic material(yes/no)	Main final use
<b>Poplars</b>			
1) I-214	45	Yes	Veneer, Sawn wood
2) Sacrau 79	25	Yes	Veneer, Sawn wood
3) Turcoaia	16	Yes	Veneer, Sawn wood
4) I 45/51	11	Yes	Veneer, Sawn wood
5) Lux (I-69/55)	3	Yes	Veneer, Sawn wood
6)			
7)			
8)			
9)			
10)			
<b>Poplars total</b>	<b>100</b>		
<b>Willows</b>			
1) Salix alba RO-202	25	Yes	Pulp and paper
2) Salix alba RO-326	25	Yes	Pulp and paper
3) Salix alba RO-204	18	Yes	Pulp and paper
4) Salix alba RO-334	14	Yes	Pulp and paper
5) Salix alba RO-201	14	Yes	Pulp and paper
6) Salix fragilis x matsudana RO -1077	4	Yes	Pulp and paper
7)			
8)			
9)			
10)			
<b>Willows total</b>	<b>100</b>		

**Tabelul 4: Ownership 2011**

Poplars and Willows Forest categories		Public (%)			Private Corporate (%)			Private Smallholder (%)			Other (%)		
		Prod	Prot	Other	Prod	Prot	Other	Prod	Prot	Other	Prod	Prot	Other
		%	%	%	%	%	%	%	%	%	%	%	%
<b>Natural</b>	<b>Poplars</b>	40,5	51,8	0,2				4,6	2,9				
	<b>Willows</b>	28,7	66,7	0,7				2,4	1,5				
<b>Planted</b>	<b>Poplars</b>	25,1	68,8	0,5	1,3			2,1	2,3				
	<b>Willows</b>	10,2	84,3	2,1	1,7			0,7	1,0				
<b>Agrofor./ TOF</b>	<b>Poplars</b>							87,3	6,5	6,2			
	<b>Willows</b>							100					

**Table 6: Poplar and Willow Forest Products Production**

Poplars and Willows Forest categories		Fuel wood Biomass	Roundwood	Pulp and paper	Particle boards	Plywood and veneer	Reconstituted wood panels	Sawnwood
		'000 m <sup>3</sup> (r)						
Natural	From poplars	51.8	2.6		33.3	8.0		22.9
	From willows	17.3	1.4		5.4			0.9
Planted	From poplars	88.5	13.5		173.4	41.6		118.8
	From willows	20.5	4.3		17			2.6
Agrofor./ TOF	From poplars							
	From willows							

**Tabelul 6: Imports and exports of poplars and willows in 2011**

<b>Imports of poplar and willow products 2011</b>	<b>'000 m3 (r)</b>	<b>Country of origin</b>	<b>Estimated share of the country of origin in p&amp;w imports of this product (%)</b>
Fuel wood, biomass		1) 2) 3)	1) 2) 3)
Roundwood		1) 2) 3)	1) 2) 3)
Paper (mech. or chem.)		1) 2) 3)	1) 2) 3)
Particle boards	21.3	1) EU 2) 3)	1) 10% 2) 3)
Veneer		1) 2) 3)	1) 2) 3)
Plywood		1) 2) 3)	1) 2) 3)
Sawnwood		1) 2) 3)	1) 2) 3)
<b>Exports of poplar and willow products 2011</b>	<b>'000 m3 (r)</b>	<b>Destination countries</b>	<b>Estimated share of the destination country in p&amp;w exports of this product (%)</b>
Fuel wood, biomass		1) 2) 3)	1) 2) 3)
Roundwood		1) 2) 3)	1) 2) 3)
Paper (mech. or chem.)		1) 2) 3)	1) 2) 3)
Particle boards	42.5	1) EU 2) Middle East 3)	1) 90% 2) 10% 3)
Veneer		1) 2) 3)	1) 2) 3)
Plywood		1) 2) 3)	1) 2) 3)
Sawnwood	5.3	1) EU 2) Middle East 3)	1) 80% 2) 20% 3)

**Table 7: Your opinion is very important to us!**

	Growth	Decline	Stays the same	I don't know
Indigenous poplar and willow forests conversion towards other ways of use			x	
Planted Poplar and willow forest area		x		
Bioenergy production purpose for poplar and willow plantations	x			
Investments in poplar and willow culture and improvement programmes	x			
Government investments in poplar and willow sector		x		
Private investments in poplar and willow sector	x			
Importance of poplars and willows for production purposes		x		
Importance of poplars and willows for environment protection			x	
Disapproval of poplar and willow plantations by environment protection groups	x			
Public approval of poplar and willow seen as important natural resources			x	

End of the questionnaire