



QUESTIONNAIRE ON POPLARS AND WILLOWS 2011

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Table 1: Total area of poplars and willows 2011 by main forest categories, forest function and area planted from 2008 to 2011 (area change over the last 4 years)

Table 1

Forest category		Total Area 2011 (ha)	Total area by forest function in %				Area planted from 2008-2011 (reforestation and afforestation) (ha)
			Production		Protection (%)	Other* (%)	
			Industrial roundwood, (%)	Fuelwood biomass (%)			
Indigenous	Poplars	1194			100		
	Willows	7464			100		
	Mix of P&W						
	Total	8658					
Planted	Poplars	33132	95		5		16415
	Willows	6942	76		24		116
	Mix of P&W						
	Total	40074					
Agrofor./ TOF	Poplars	76			100		
	Willows						
	Mix of P&W						
	Total						
Grand Total		48808					

*Please specify other function:



Table 2: Mean Annual Increment (MAI), rotation lengths, and wood removals 2011 by forest category, species, cultivar or clone

Please note that the Grand Total of the area % (column 2) cannot be more than 100% vertically

Table 2

Forest category and species, cultivar or clone		Area (%)	Avg MAI m ³ /ha/yr	Average rotation length (yrs)			Wood removals 2011 in m ³		
				Production		Protection	Production		Protection
				Industr. roundwood	fuelwood, biomass		Industr. roundwood,	fuelwood, biomass	
Indigenous	Poplars	2.4	No data			40	No data	No data	No data
	P. alba								
	P. nigra								
	Willows	15.3	No data			40	No data	No data	No data
	S. alba								
Planted	Poplars	68.1	8,3	24-25			362791	35059	No data
	P. alba								
	P x euramericana			24-25			362791	35059	
	Willows	14.2	2.4	27		34	12258	8291	No data
	S. alba						12258	8291	
Grand Total		100							

Table 3: Main cultivars/clones in use in planted forests

Table 3

Main cultivars/clones in use	%	Originates from certified germplasm (yes/no)	Major end-use
Poplars			
Populus x euramericana, cl. "Pannonia"	48%	Y	timber & fuelwood
Populus x euramericana, cl. I-214	46%	Y	timber & fuelwood
Populus deltoides, cl. "Dunav" (S-1-8)	<1%	Y	timber & fuelwood
Populus deltoides, cl. "Sava" (S-6-36)	<1%	Y	timber & fuelwood
Populus deltoides, cl. NS-1-3	<1%	Y	timber & fuelwood
Populus x euramericana, cl. Ostia	1%	Y	timber & fuelwood
Populus x euramericana, cv. Robusta	1%	Y	timber & fuelwood
Populus x euramericana, var. Italica	<1%	Y	timber & fuelwood
Populus deltoides, cl. Bora	<1%	Y	timber & fuelwood
Populus deltoides, cl. B-81	<1%	Y	timber & fuelwood



<i>Populus deltoides</i> , cl. 181/81	<1%	Y	timber & fuelwood
<i>Populus deltoides</i> , cl. Antonije	<1%	Y	timber & fuelwood
<i>Populus deltoides</i> , cl. 129/81	<1%	Y	timber & fuelwood
<i>Populus deltoides</i> , cl. S 1-5	<1%	Y	timber & fuelwood
<i>Populus deltoides</i> , cl. 665	<1%	Y	timber & fuelwood
Total poplars	100		
Willows			
<i>Salix alba</i> , cl. B-74	N/A	Y	timber & fuelwood
<i>Salix alba</i> , cl. B-72	N/A	Y	timber & fuelwood
<i>Salix alba</i> , cl. B-44	N/A	Y	timber & fuelwood
<i>Salix alba</i> , cl. NS-107/6	N/A	Y	timber & fuelwood
<i>Salix alba</i> , cl. NS-79/2	N/A	Y	timber & fuelwood
<i>Salix alba</i> , cl. NS-73/6	N/A	Y	timber & fuelwood
<i>Salix alba</i> , cl. NS-107/65/1	N/A	Y	timber & fuelwood
<i>Salix alba</i> , cl. NS-107/65/7	N/A	Y	timber & fuelwood
Total willows	100		

Table 4: Tree ownership in 2011

Table 4

Forest category		Public ownership			Private corporate ownership			Private smallholder ownership			Other ownership		
		Prod %	Prot %	Other %	Prod %	Prot %	Other %	Prod %	Prot %	Other %	Prod %	Prot %	Other %
Indigenous	Poplars		72,31						27,69				
	Willows												
Planted	Poplars	95,10							4,90				
	Willows												
Agrofor./ TOF	Poplars		100										
	Willows												



Table 5: Forest products from poplars and willows 2011

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Forest category		Fuelwood chips	Industrial roundw. (logs, pulpw.)	Wood-pulp (mech. or chem.)	Particleboard fibreb. (MDF, (hardboard)	Veneer sheets	Plywood	Sawn-timber
		'000 m ³ (r)						
Indigenous	From poplars							
	From willows							
Planted	From poplars	35	299	24				
	From willows	8	8	1				
Agrofor./ TOF	From poplars							
	From willows							

Table 6: Foreign trade with poplars and willows in 2011

Table 6.

Imports of poplar and willow products 2011	'000 m3 (r)	Countries of origin	Estimated share of country of origin in p&w imports of this product (%)
Fuelwood, chips	No data		
Industrial roundwood (logs, pulpwood)	No data		
Wood pulp (mech. or chem.)	No data		
Particleboard, fibreboard (hardboard, MDF)	No data		
Veneer sheets	No data		
Plywood	No data		
Sawn timber	2	1)Hungary 2)Croatia 3)Bosnia&Herzegovina	1)50% 2)30% 3)20%
Exports of poplar and willow products 2011	'000 m3 (r)	Destination countries	Estimated share of the destination country in p&w exports of this product (%)
Fuelwood, chips	No data		



Industrial roundwood (logs, pulpwood)	No data		
Wood pulp (chem.. or chem..)	No data		
Particleboard, fibreboard (hardboard, MDF)	No data		
Veneer sheets	No data		
Plywood	No data		
Sawntimber	23	1)Italy 2)Israel 3)Slovenia	1)55% 2)13% 3)12%

Table 7: Your opinion is important to us! Please reflect on the prevailing trends until 2020 in the development of poplars and willows in your country!

	increase	decrease	remain as it is	don't know
The conversion of natural poplar and willow forests to other land uses will...			X	
The area of planted poplar and willow forests will....	X			
The area of poplars and willows for bioenergy plantations will			X	
Investments in poplar and willow tree breeding programs will		X		
Government investments in the poplar and willow sector will ...		X		
Private investments in the poplar and willow sector will ...	X			
The significance of poplars and willows for productive purposes will	X			
The significance of poplars and willows for environmental purposes will	X			
The rejection by environmental groups of planted poplar and willow forests will	X			
The acceptance by the general public of poplars and willows being important natural resources will.....	X			