

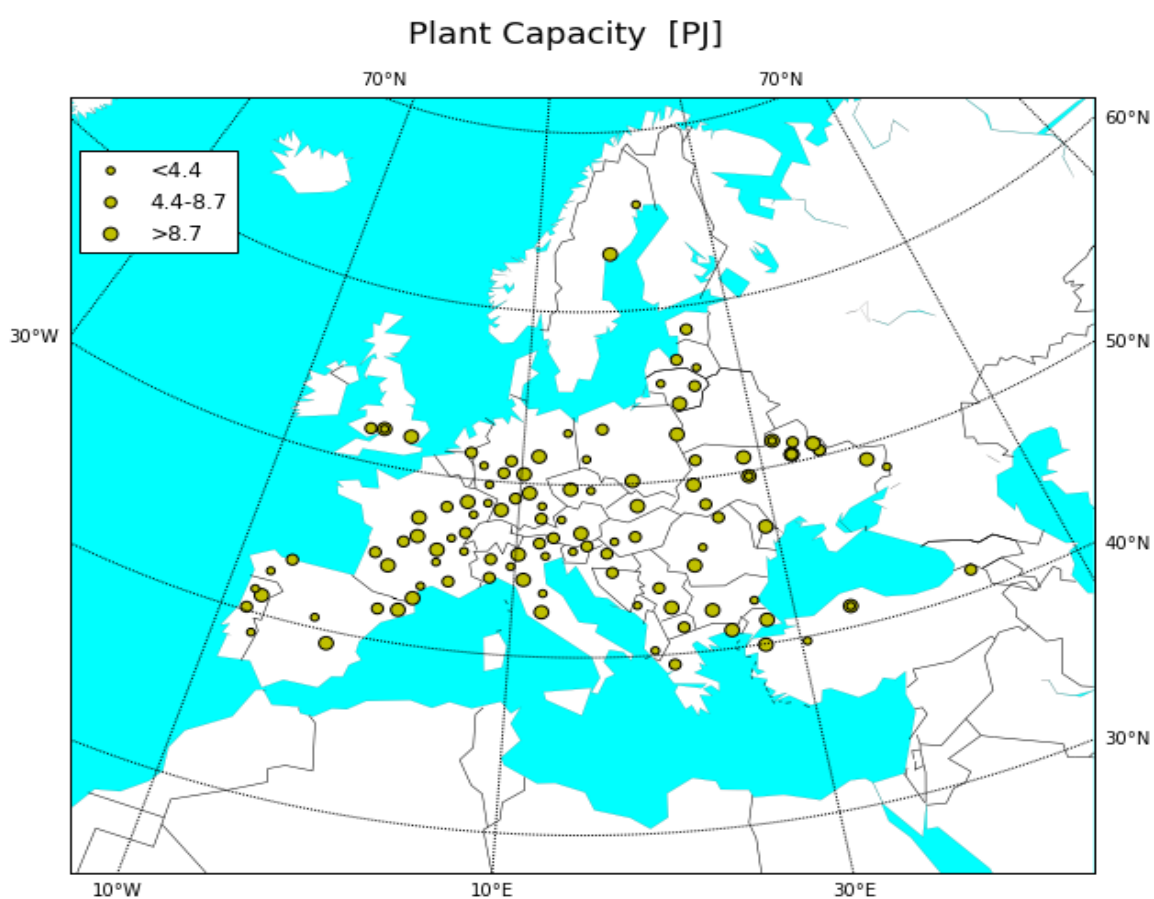
Scenario #70

Feedstock: forest residuals

Biofuel support: 10 EUR/tCO<sub>2</sub>

Final product: biofuel

Fossil fuel cost: 1.5 EUR/GJ



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Total use of forest residues (PJ/year)										
Country	RM1	RM2	RM3	RM4	RM5	RM6	RM7	RM8	RM9	RM10
AL	1.61	0.39	0	0.86	0	0	0.96	0.18	0.24	0.16
AT	0.57	11.18	0	2.17	0	0	1.07	6.83	2.36	1.12
BE	0	0	0	0	0	0	0	0	0	0
BA	1.15	0	0	0	0	0	1.12	0	1.08	0
BG	3.62	0.75	0	0	0	0	4.67	0.69	1.97	2.31
HR	2.02	0.2	1.1	0	0.47	0	1.38	0.1	0.74	0.06
CY	0	0	0	0	0	0	0	0	0	0
CZ	3.29	3.83	0	0	0	0	3.16	3.25	2.41	2.34
DK	0.15	0.36	0	0	0	0	0.17	0.02	0.25	0.03
EE	2.58	0.3	0	0	0	0	2.24	0.21	0.55	0.09
FI	0.04	0.21	0	0	0	0	0.03	0.43	0.02	0.06
FR	24.45	15.68	24.1	12.15	13.9	9.26	23.52	8.97	13.63	8.43
DE	14.45	17.37	14.16	11.4	13.74	2.5	16.36	3.46	7.22	0.56
GR	0.96	0.79	1.49	2.06	1.75	1.26	1.07	0.87	0.98	0.93
HU	6.29	0.43	0	0	0	0	5.45	0.24	1.77	0.28
IE	0.66	0.01	0	0	0	0	0.45	0	0.04	0
IT	20.23	3.55	20.06	6.27	4.25	2.86	14.32	2.36	3.38	2.23
KS	0.27	0.06	0	0	0	0	0.26	0.04	0.25	0.04
LV	5.4	1.06	0	2.39	0	0	6.11	0.73	1.29	0.21
LT	2.09	2.68	2.41	4.92	1.55	0.84	1.58	1.96	0.64	0.81
LU	0	0	0	0	0	0	0	0	0	0
MT	0	0	0	0	0	0	0	0	0	0
MD	0.17	0.03	0	0	0	0	0.2	0.02	0.82	0.02
ME	0.51	0.45	0	0	0	0	0.6	0.37	0.59	0.37
NL	0.01	0	0	0.48	0	0	0.01	0	0.01	0.01
PL	5.23	15.67	0	0	0	0	3.96	10.14	1.45	5.02
PL	17.01	5.45	0	0	0	0	10.02	4.54	0.17	0.51
RS	0.86	0.27	0.44	0.85	1.48	0.1	1.01	0.21	0.92	0.24
RO	7.18	3.28	0	0.45	0	0	7.61	2.44	5.3	1.96
SK	2.03	1.11	0	0	0	0	2.35	0.88	1.91	0.42
SI	2.03	3.15	0	0	0	0	1.53	1.5	0.74	0.6
ES	9.44	15.37	0	0	0	0	5.81	7.83	1.88	5.34
SE	0.06	8.46	0	0	0	0	0.17	4.19	0.46	0.44
MK	0.46	0.04	0	0.03	0	0	0.49	0.04	0.45	0.04
TR	10.63	30.74	0	0	0	0	4.05	14.98	1.7	1.27
UK	1.98	0.67	4.59	2.16	1.78	0.25	3.58	0.38	1.53	0.11
UA	3.98	10.1	0.01	17.84	12.5	0	3.01	5.2	4.08	1.66

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Export of forest residues (PJ/year)										
Country	RM1	RM2	RM3	RM4	RM5	RM6	RM7	RM8	RM9	RM10
AL	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0.13	0	0
BE	0	0	0	0	0	0	0	0	0	0
BA	0	0	0	0	0	0	0	0	0	0
BG	0	0	0	0	0	0	0	0.07	0	0
HR	0	0	0	0	0	0	0	0	0	0
CY	0	0	0	0	0	0	0	0	0	0
CZ	0	0.23	0	0	0	0	0.1	0.11	0.51	0
DK	0.15	0.36	0	0	0	0	0.17	0.02	0.25	0.03
EE	0.07	0.01	0	0	0	0	0.06	0.01	0.01	0
FI	0.04	0.21	0	0	0	0	0.03	0.43	0.02	0.06
FR	3.73	0.51	0	0	0	0	3.38	0.48	1.5	0.51
DE	0	0	0	0	0	0	0	0	0	0
GR	0	0	0	0	0	0	0	0	0	0
HU	0	0	0	0	0	0	0	0	0	0
IE	0.66	0.01	0	0	0	0	0.45	0	0.04	0
IT	1.23	0	0	0	0	0	0.74	0.3	0.25	0.23
KS	0	0	0	0	0	0	0	0	0	0
LV	0.18	0.04	0	0	0	0	0.79	0.1	0.17	0.03
LT	0	0	0	0	0	0	0.06	0.1	0.03	0.04
LU	0	0	0	0	0	0	0	0	0	0
MT	0	0	0	0	0	0	0	0	0	0
MD	0	0	0	0	0	0	0.01	0	0.04	0
ME	0	0	0	0	0	0	0.08	0.05	0.08	0.05
NL	0.01	0	0	0	0	0	0.01	0	0.01	0.01
PL	0.82	2.14	0	0	0	0	0.95	2.35	0.27	1.09
PL	1.77	0	0	0	0	0	2.14	1.08	0.03	0.11
RS	0	0	0	0	0	0	0.14	0.02	0.12	0.03
RO	0	0	0	0	0	0	0.99	0.3	0.69	0.24
SK	0	0	0	0	0	0	0.08	0.03	0.06	0.01
SI	2.03	3.15	0	0	0	0	1.53	1.5	0.74	0.6
ES	0.08	0.03	0	0	0	0	0.07	0.24	0.02	0.1
SE	0.06	0.2	0	0	0	0	0.03	0.11	0.03	0.11
MK	0	0	0	0	0	0	0	0	0	0
TR	3.97	11.95	0	0	0	0	1.8	0.81	1.44	0.07
UK	0	0	0	0	0	0	0	0	0	0
UA	0	0	0	0	0	0	0	0	0	0

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Import of forest residues (PJ/year)										
Country	RM1	RM2	RM3	RM4	RM5	RM6	RM7	RM8	RM9	RM10
AL	4.2	0.06	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0
BE	0	0	0	0	0	0	0	0	0	0
BA	2.72	0	0	0	0	0	0	0	0	0
BG	0	0	0	0	0	0	0	0	0	0
HR	0	0	0	0	0	0	0	0	0	0
CY	0	0	0	0	0	0	0	0	0	0
CZ	0	0	0	0	0	0	0	0	0	0
DK	0	0	0	0	0	0	0	0	0	0
EE	0	0	0	0	0	0	2.85	0	0	0
FI	0	0	0	0	0	0	0	0	0	0
FR	0	0	0	0	0	0	0	0	0	0
DE	0	0	0	0	0	0	0	0	0	0
GR	0	0	0	0	0	0	0	0	0	0
HU	0	0	0	0	0	0	0	0	0	0
IE	0	0	0	0	0	0	0	0	0	0
IT	0	0	0	0	0	0	0	0	0	0
KS	0	7.36	0	0	0	0	0	0.37	0	0.03
LV	0	0	0	0	0	0	0	0	0	0
LT	0	0	0	0	0	0	1.25	0	0	0
LU	0	0	0	0	0	0	0	0	0	0
MT	0	0	0	0	0	0	0	0	0	0
MD	0	0	0	0	0	0	7.45	0	0	0
ME	0.77	3.15	0	0	0	0	0	1.5	0	0.6
NL	0	0	0	0	0	0	1.88	0	6.31	0
PL	0	0	0	0	0	0	0	0	0	0
PL	0	0	0	0	0	0	0	0	0	0
RS	0	0	0	0	0	0	0	0	0	0
RO	0	0	0	0	0	0	0	0	0	0
SK	0	0	0	0	0	0	0.16	0	0	0
SI	0	8.25	0	0	0	0	0	6.38	0.01	2.69
ES	0	0	0	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0	0	0	0
MK	7.11	0	0	0	0	0	0	0	0	0
TR	0	0	0	0	0	0	0	0	0	0
UK	0	0	0	0	0	0	0	0	0	0
UA	0	0	0	0	0	0	0	0	0	0

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Note that some countries export all biofuel domestically produced, which is why their emission avoided is zero. Biofuel trades are not presented as the emission avoided reflect this effect

Country	Methanol (PJ)	Ethanol (PJ)	FTD (PJ)	Emission avoided (MtonCO2)
AL	10.4	0	0	0
AT	30.17	0	0	0
BE	0	0	0	0
BA	7.28	0	0	0
BG	16.72	0	0	0
HR	7.28	0	0	0
CY	0	0	0	0
CZ	20.8	0	0	0
DK	0	0	0	0
EE	10.4	0	0	0
FI	0	0	0	0
FR	172.77	0	0	0.53
DE	121.46	0	0	1.15
GR	14.58	0	0	0.19
HU	17.36	0	0	0
IE	0	0	0	0
IT	92.13	0	0	0.74
KS	10.4	0	0	0
LV	19.04	0	0	0
LT	24.59	0	0	0.15
LU	0	0	0	0
MT	0	0	0	0
MD	10.4	0	0	0
ME	10.4	0	0	0
NL	10.4	0	0	0
PL	40.62	0	0	0
PL	39.08	0	0	0
RS	7.28	0	0	0
RO	31.2	0	0	0
SK	10.4	0	0	0
SI	20.8	0	0	0
ES	54.15	0	0	0
SE	15.9	0	0	0
MK	10.4	0	0	0
TR	52	0	0	0
UK	10.22	0	0	36.22
UA	70.06	0	0	0.88

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<b>Legend: Forest based raw materials</b>	
RM1	Stumps from final fellings originating from nonconifer trees
RM2	Stumps from final fellings originating from conifer trees
RM3	Stemwood from final fellings originating from nonconifer trees
RM4	Stemwood from final fellings originating from conifer trees
RM5	Stemwood from thinnings originating from nonconifer trees
RM6	Stemwood from thinnings originating from conifer trees
RM7	Logging residues from final fellings originating from nonconifer trees
RM8	Logging residues from final fellings originating from conifer trees
RM9	Logging residues from thinnings from nonconifer trees
RM10	Logging residues from thinnings from conifer trees