



EUROPEAN FOREST INSTITUTE
ATLANTIC EUROPEAN REGIONAL OFFICE – EFIATLANTIC

Appendix 1: List of all Storms in Database

Event ID Year- Number	Month-Day	Storm Name	Country	Primary damage (Mm ³)	Secondary damage (Mm ³)	Estimated Growing Stock (Mm ³)	% of Growing Stock damaged	Removals (Mm ³)	Maximum Wind Speed (ms ⁻¹)	Value (M€) in Year of forest damage
1902-01			France	1.2						
1950-01	August 23		Netherlands			16.8		0.94		
1951-01	December 30		UK	0.12		114.56	0.1	4	37	
1952-01	February 11		Denmark	0.36		40.2	0.9	2.03		
1952-02	May 4		Germany	0.06		1329.04	0	50.74		
1952-03	November 26-27		France			861.42		40.31		
1952-04	December 12-13		France	0.7		861.42	0.08	40.31		
1953-01	January 31		UK	1.8		124.69	1.44	3.69	50	5
1953-02	February 1		Netherlands			15.34		0.93		
1953-03	February 21		Denmark	0.1		40.7	0.25	2.05		
1953-04	May		Denmark	0.1		40.7	0.25	2.05		
1954-01, 1954-02, 1954-03,	January 3- 4, (Oct 29, Nov 25, Dec		Sweden	18.45		2062.13	0.89	52	36	

1954-04	13)									
1954-03	November		Czech Republic	0.02		410.25	0			
1954-04	Dec 27 1954 - January 16- 17 1955		Switzerland	0.38		276.96	0.14	5.58	30	
1955-01	January 16- 17		Poland, Czech Republic	3.5		1194	0.29	13.64		
1955-01	January 16- 17		Germany	5.4		1334.95	0.4	51.04		
1955-01	January 19		Czech Republic	2.04		410	0.5			
1956-01	January 21- 22 and February 2		Denmark	3.5		42.05	8.32	2.05		
1956-01	January 21		Sweden	0.2		2111.59	0.01	54.46		
1956-02	August 25		Germany	0.3		1327.09	0.02	48.94		
1957-01	January 8		Sweden	0.2						
1957-02	February 4		UK	0.05		139.44	0.04	3.32		
1957-03	July 9		France			876.99		44.86		
1957-04	August 13		Czech Republic	0.17		406.94	0.04			
1957-05	December		Ukraine	1.2						
1957-?			Norway							
1958-01	January 6-7		Switzerland			282.63		5.95	35	
1958-02	May 25		Czech Republic	0.19		405.24	0.05			
1958-03	July 16, ?		Germany	2.38		1311.38	0.18	44.74		

1958-04, 1958-01	6-7 January, 16 May, 26 June		France	1.2		874.34	0.14	45.97	50	
1959-?	?		Ireland			9.17		0.32		
1960-01	December 3		Czech Republic	0.45		401.84	0.11			
1960-01?			Switzerland	2.1		286.58	0.73	5.98		
1960-01?			Romania	5.05		1137.18	0.44	21.7		
1961-01	July 12		France			915.97		47.57		
1961-02	August 11		Czech Republic	0.05		410.74	0.01			
1961-03	September 16		Ireland	0.01		10.28	0.1	0.36		
1962-01	February 11-16		Denmark	2		43.59	4.59	1.98		
1962-01	February 15		UK	0.07		154.45	0.05	3.25		
1962-01, 1962-02	February 12-13,16- 17 and April 14-15		Germany	2.3		1312.12	0.18	41.09		
1962-02	April 17-18		Switzerland	0.12				6.14		
1962-03	November		Czech Republic	0.49		419.64	0.12			
1962-03	November 7-8		Ukraine	1.2						
1962-03	November 8		Switzerland	2.1		283.99	0.74	6.14		
1963-01	?		Czech Republic	0.4		428.54	0.09			
1964-01	September 23-24		Romania	6		1184.65	0.51	23.66		
1964-02	November		Romania	1.2		1184.65	0.1	23.66		

	25-26									
1964-02	November 25		Poland	0.15		938.69	0.02	17.57		
1964-02	November 2-3, December		Sweden	0.2						
1964-02?			Slovakia	5		279.67	1.79			
1965-01	January 17		Switzerland			280.1		6.38		
1965-02	May		Czech Republic	0.27		446.34	0.06			
1965-03	July		Slovenia							
1965-04	November 29 (+ main storm days: 5-6, 10, 13, 23)		Switzerland					6.38	38	
1966-01	July		Czech Republic	0.19		455.24	0.04			
1966-02	November 4-5		Poland			980.01		17.99		
1966-02	November		Czech Republic	0.71		455.24	0.16			
1966-02	November		Italy	1		326.38	0.31	16.79		
1966-02	November		Austria	1.25		639.54	0.2	16.18		
1966-02	November, December		Germany	0.25		1345.03	0.02	42.18		
1966-02, 1967-01	November- February		Austria	2		639.54	0.31	18.19		
1967-01	February		Czech Republic	1.22		464.14	0.26			
1967-01	February 23		Denmark	0.83		43.8	1.89	2.22		

1967-01, 1967-02, 1967-03	February 21-24, 28, March 13, June		Germany	11.3		1353.25	0.84	42.46		
1967-01, 1967-02, 1967-03	February 19-21-23- 28, March 13, May 25		Switzerland	2.38		277.45	0.9	6.54	37	
1967-01, 1967-03	February and June		Austria	5		651.39	0.77	16.2		
1967-01, 1967-03	February and June		France	3.6		1197.69	0.3	43.87		
1967-03	June		Netherlands			21.04		1.32		
1967-04	August		Estonia							
1967-05	October 17		Denmark	2.34		43.8	5.34	2.22		
1967-05	October 17- 18		Sweden	4.47		2326.78	0.19	74.07	41	181
1967-05	October		Russia							
1968-01	January 11- 15		Denmark	0.21		43.85	0.48	2.26		
1968-01	January 15		UK	1.64	0.24	178.66	0.92	3.31	46	
1968-02	May 6		Germany	0.17		1361.48	0.01	42.73		
1968-03	July 10		France			1244.64		43.25		
1968-03	July 10		Germany	0.13		1361.48	0.01	42.73		
1968-03	July 11		Czech Republic	0.09		473.04	0.02			
1969-01	May		Czech Republic	0.03		481.94	0.01			
1969-02, 1969-03	July 17, September 22, 29		Romania	10		1244	0.8	26.1		
1969-03	September		Norway	0.6						

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1969-03, 1969-04	September 22, (Sept 29 and November 1-2)		Sweden	42.2	3	2433	1.73	78.23	35	175
1969-04	November 1		Sweden	10	0	2433	0.41	78.23	36	
1969-04	November		Norway			556.21		11.77		
1969-04	November 1		Norway	1.8						
1969-05	November 25		Czech Republic	0.03		481.94	0.01			
1971-01, 1971-02, 1971-03	(January 1, 5, 8), October 11, November 3		Sweden	2		2355.59	0.08	79.4		72
1971-03	November 8		Romania	1.4		2355.66	0.06	26.01		
1971-03, 1971-04	November 18, December 20		Switzerland			278.37		6.78		
1971-04	December- January (turn of year)		Sweden	0.3						
1972-01	January 17		Czech Republic	0.16		505.51	0.03			
1972-02	March 11		Czech Republic	0.32		505.51	0.06			
1972-03	April 5		France	0.7		1385.91	0.05	42.74		
1972-04	April 25		France	0.5		1385.91	0.04	42.74		
1972-05	summer		Finland			1577.29		54.07		

1972-06	November 12-13		Netherlands	1		22.46	4.45	1.4		
1972-06	November 13		Germany	18		1411.78	1.27	44.49		
1972-06	November 13		France			1385.91				
1972-06	November 12-13			25		16252.74	0.15	181.81		
1973-01	April 10		Czech Republic	0.08		512.84	0.02			
1973-01	April 2		Netherlands	0.67		22.57	2.97	1.4		
1973-02	November 19		Romania	3.1		22.65	13.69	24.86		
1973-02	November 23		Sweden	1.6		2338.47	0.07	77.6		52
1973-03	December 31		Sweden	0.1		2338.47	0	77.6		
1974-01	January 12		UK	0.05		209.65	0.02	3.46		
1974-01	January		Ireland	0.42		23.29	1.8	0.46		
1974-01	January 5, 8-9, 16-17, 29-30, February 3, 5-7, 9, 11, 23-24, 27-28		Switzerland	0.18		292.6	0.06	6.79		36
1974-02	March		Czech Republic	0.1		520.17	0.02			
1974-03	August 17		Czech Republic	0.32		520.17	0.06			
1975-01	February		Czech Republic	0.02		527.51	0			
1975-01	January 29		Switzerland			297.34		6.79		

1975-02	April		Czech Republic	0.74		527.51	0.14			
1975-03	December 4		Finland	1		1618.19	0.06	54.42		
1975-?	?		Russia	22.4						
1975-?	?		Norway			568.19		12.07		
1976-01	January 2-3		UK	0.96		221.12	0.43	3.51	47	145
1976-01	January 3		Czech Republic	2.24		534.84	0.42			
1976-01	January 2-3		Germany	4.6		1479.49	0.31	46.93		
1976-01	January 2-3		Austria	2		743.9	0.27	16.37		
1976-01	January 2-3		Netherlands	0.15		22.91	0.65	1.4		
1976-02	May		Czech Republic	0.1		534.84	0.02			
1976-02	September 7		Finland	0.8		1645.46	0.05	54.65		
1976-03	December 2		France	0.1		1480.64	0.01	44.18		
1977-01	January		Czech Republic	0.14		542.18	0.03			
1978-01	September 17		Sweden	1.7						
1978-02	November 16		Finland	2.5		1659.09	0.15	54.76		
1979-01			Austria	5.9		1659.17	0.36	16.42		
1980-01	April		Czech Republic	0.15		564.18	0.03			
1981-01, 1981-02, 1981-03	Feb 8, April 13, Nov		Sweden	3.9						
1981-03	November 24-25		Denmark	3.23		45.3	7.13	2		
1982-01, 1982-02,	August, September,		Sweden	0.7						

1982-03	October									
1982-02	September 22		Finland	3		1723.89	0.17	54.46		
1982-04	November 6-7		France	12		1657.4	0.72	47.77		
1982-04	November 7		Switzerland			334.38		6.94		
1983-01	January 18		Denmark	0.33		46.12	0.72	2		
1983-02	February 1		Switzerland			341.04		7		
1983-03	July 25-26		France	0.5		1698.41	0.03	48.83		
1983-04	August 22		Sweden	0.5						
1983-05	November 27		Switzerland	0.5		341.04	0.15	7	36	
1983-?			Slovenia			137.09				
1984-01	January 13		UK	0.05		235.23	0.02	5.38		
1984-01	January 13		Denmark	0.2		46.53	0.43	2.01		
1984-02	February 8		France	0.5		1739.42	0.03	49.9		
1984-03	June 25		Finland	0.4		1761.42	0.02	53.92		
1984-04	July 11		France	2.5		1739.42	0.14		78	
1984-05, 1984-6	August, October		Sweden	1.5						
1984-06	October 4		Spain			468.05		15.75		
1984-06, 1984-07	October, November		France	4		1739.42	0.23	49.9		
1984-07	November 22-24		Germany	13		2002.39	0.65	46.49		
1984-07	November 22-24			25						
1984-07	November 23-24		Belgium	1.22		93.22	1.31	3.35		
1984-?			Czech Republic	5.5		576.95	0.95			

1985-01	August 11		Finland	0.5		1780.18	0.03	53.66		
1985-01, 1985-02	August, October		Sweden	1.5		2362.03	0.06	67		300
1985-02	October 26		Finland	4		1780.18	0.22	53.66		
1985-?			Czech Republic	7		580.15	1.21			
1986-01	January 19- 20		Germany	2		2230	0.09	45.05		
1986-01, 1986-02	January 13- 15, 19-20, 23-24, March 24- 25		Switzerland	0.33		361.03	0.09	7.2	42	
1987-01	October 13		Switzerland			367.69		7.27		
1987-01	October 15- 16		UK	3.91		228.61	1.71	6.69	41	0
1987-01	October 15- 16		France	7.5		1862.46	0.4	53.1	40	
1987-01	October 16		Norway	1.9						
1988-01	July 1		Germany	0.02		2457.6	0	43.61		
1988-?	?		Sweden	2						
1989-01	February 13		UK	0.05		224.2	0.02	7.56		
1990-01, 1990-02, 1990-03, 1990-04, 1990-05, 1990-06, 1990-07, 1990-08	January 25 - March 1	Daria, Herta, Judith, Nana, Ottile, Polly, Vivian, Wiebke	France	8		1985.5	0.4	56.3		

1990-01, 1990-02, 1990-03, 1990-04, 1990-05, 1990-06, 1990-07, 1990-08	January 25 - March 1	Daria, Herta, Judith, Nana, Ottile, Polly, Vivian, Wiebke	Austria	5.1		965.65	0.53	19.52		
1990-01, 1990-02, 1990-03, 1990-04, 1990-05, 1990-06, 1990-07, 1990-08	January 25 - March 1	Daria, Herta, Judith, Nana, Ottile, Polly, Vivian, Wiebke	Luxembourg	1.6		24.4	6.56	0.71		
1990-01, 1990-02, 1990-03, 1990-04, 1990-05, 1990-06, 1990-07, 1990-08	January 25 - March 1	Daria, Herta, Judith, Nana, Ottile, Polly, Vivian, Wiebke	Denmark	1.1		49	2.24	2.02		
1990-01, 1990-02, 1990-03, 1990-04, 1990-05, 1990-06, 1990-07, 1990-08	January 25 - March 1	Daria, Herta, Judith, Nana, Ottile, Polly, Vivian, Wiebke		115						

1990-01, 1990-02, 1990-03, 1990-04, 1990-05, 1990-06, 1990-07, 1990-08	January 25	Daria, Herta, Judith, Nana, Ottile, Polly, Vivian, Wiebke	Netherlands	0.4		41.89	0.95	1.72		
1990-01, 1990-02, 1990-03, 1990-04, 1990-05, 1990-06, 1990-07, 1990-08	February	Daria, Herta, Judith, Nana, Ottile, Polly, Vivian, Wiebke	Italy			939.95		10.4		
1990-01, 1990-02, 1990-03, 1990-04, 1990-05, 1990-06, 1990-07, 1990-08	?	Daria, Herta, Judith, Nana, Ottile, Polly, Vivian, Wiebke	Slovakia	1.48		381.12	0.39	5.45		
1990-01, 1990-02, 1990-03, 1990-04, 1990-05, 1990-06, 1990-07, 1990-08	January 25 - March 1	Daria, Herta, Judith, Nana, Ottile, Polly, Vivian, Wiebke	Belgium	5.5		126.72	4.34	4.35		

1990-01, 1990-02, 1990-03, 1990-04, 1990-05, 1990-06, 1990-07, 1990-08	January 25 - March 1	Daria, Herta, Judith, Nana, Ottile, Polly, Vivian, Wiebke	Czech Republic	11.3		596.11	1.9	13.03		
1990-01, 1990-02, 1990-03, 1990-04, 1990-05, 1990-06, 1990-07, 1990-08	January 25 - March 1	Daria, Herta, Judith, Nana, Ottile, Polly, Vivian, Wiebke	Germany	72.5		2685.2	2.7	42.18		
1990-01, 1990-02, 1990-03, 1990-04, 1990-05, 1990-06, 1990-07, 1990-08	?	Daria, Herta, Judith, Nana, Ottile, Polly, Vivian, Wiebke	Poland	1.3		1394	0.09	22.02		
1990-01, 1990-02, 1990-03, 1990-04, 1990-05, 1990-06, 1990-07, 1990-08	January 25 - March 1 (February 26-27)	Daria, Herta, Judith, Nana, Ottile, Polly, Vivian, Wiebke	Switzerland	4.9	2.5	387.67	1.26	7.46	45	

1990-01, 1990-02, 1990-03, 1990-04, 1990-05, 1990-06, 1990-07, 1990-08	January 25 - March 1	Daria, Herta, Judith, Nana, Ottile, Polly, Vivian, Wiebke	UK	6		222	2.7	8	44	2330
1990-01, 1990-02, 1990-03, 1990-04, 1990-05, 1990-06, 1990-07, 1990-08	January 25 - March 1	Daria, Herta, Judith, Nana, Ottile, Polly, Vivian, Wiebke		120		22571.53	0.53	217.04		
1990-01, 1990-02, 1990-03, 1990-04, 1990-05, 1990-06, 1990-07, 1990-08	January 25 - March 1	Daria, Herta, Judith, Nana, Ottile, Polly, Vivian, Wiebke	Sweden	0.6						
1991-01	?		Sweden	0.2						
1992-01	January 1		Norway	2		621.45	0.32	12.95		
1992-?	?		Sweden	2						
1993-01	?		Sweden	1.8						
1994-01	January 13, 29		Switzerland	0.2		404.13	0.05	7.36	33	
1994-01	January 23		Norway							
1994-02	August		Italy			808.24		10.46		
1994-?	?		Germany	2.68		2953.54	0.09	44.83		

1994-?	?		Sweden	0.5						
1995-01	January 26-27		Germany	1.32		3020.62	0.04	45.5		
1995-01	January 18, 20, 23, 26, 28		Switzerland	0.37		408.24	0.09	7.33	44	
1995-02	July 22		Germany	0.01		3020.62	0	45.5		
1995-03	November 5-6		Romania	6		3207.42	0.19	17.15		
1995-03	November 16-17		Sweden	5.8		2544.16	0.23	68.4		1500
1996-01	February 6-7		France	1.5		2065.81	0.07	60.4		
1996-02	August 24		Norway	0.02						
1996-?			Spain			559		18.19		
1997-01	June 29		Germany	0.9		3154.79	0.03	46.83		
1997-02	September 2		Norway	0.01						
1997-03	December 24		Ireland			56.26				1
1997-?	?		Sweden	0.1						
1999-01	June 2-3		Germany	0.29		3288.96	0.01	48.15		
1999-02	(Nov 29-30 Dec 1) Dec 3	Anatol	Sweden	5		2928.1	0.17	72.95	37	1498
1999-02, 1999-03	December 3-4	Anatol/Carola	Denmark	3.5		54.85	6.38	2.09	48	
1999-04	December	Lothar	Germany	34		3288.96	1.03	48.15	48	650
1999-04	December	Lothar	Lithuania	0.4		362.6	0.11	6.09		
1999-04	December	Lothar	Belgium	0		141	0	4		
1999-04	December	Lothar	Estonia	0		314.5	0	6		
1999-04	December	Lothar	Latvia	0		502	0	10		

1999-04	December	Lothar	UK	0		317	0	8		
1999-04	December	Lothar	Austria	1		1097.3	0.09	18.87		
1999-04	December	Lothar	Baltics	2						
1999-04	December	Lothar	Czech Republic	1.85		671.83	0.28	15.58		
1999-04	December 26	Lothar	Switzerland	13.8	3.5	424.7	3.25	7.23	44	500
1999-04, 1999-05	December	Lothar/Martin	Spain	0		594.1	0	16		
1999-04, 1999-05	December	Lothar/Martin	Italy	0		1428.7	0	10		
1999-04, 1999-05	December	Lothar/Martin	Portugal	0		275.8	0	9		
1999-04, 1999-05	December 26 (7h) / 27-28 (pm-night)	Lothar/Martin	France	176	4	2105.97	8.36	62.44	55	6098
1999-04, 1999-05	December	Lothar/Martin	Poland	2		1908	0.1	31.48		
2000-01	January 29-30		Denmark	3.6		55.5	6.49	2.1		
2000-02	October 30	Oratia	UK						40	
2000-02	October 30	Oratia	France						49	
2000-03	November 1		Norway	0.2						
2000-04	December 25		Norway							
2001-01	August 16		Norway	0.14						
2001-02	November 15		Sweden	2.1						
2001-02	November 15		Norway	0.19						
2001-?	?		Finland	7		1928.13	0.36	66.64		

2002-01	January 27		Switzerland	0.08		432.93	0.02		33	
2002-01	January 29		Sweden	2						
2002-02	Ocober 27	Jeanette	UK						40	
2002-02	Ocober 27	Jeanette	Germany						40	
2002-02	Ocober 27	Jeanette	Netherlands						40	
2003-01	January 2		Switzerland	0.4		434.98	0.09		36	
2003-02	July 15		France						44	
2003-03	December 5		Norway	0.1						
2003-?	?		Sweden	1.3						
2004-01	January 12-13-14		Switzerland			437.04			31	
2004-02	November 19		Slovakia	5.4		451.59	1.2	7.14		
2004-03	December 17	Dagmar	France						35	
2005-01	January 8	Gudrun (Erwin)	UK	0.5		300	0.17	9.9	46	
2005-01	January 9	Gudrun (Erwin)	Denmark	2		58.2	3.44	1.84	46	
2005-01	January 8-9	Gudrun (Erwin)	Sweden	75		3233	2.32	78.13	42	1890
2005-01	January 8-9	Gudrun (Erwin)	Latvia	7.8		573	1.36	11.29	40	
2005-01	January 9	Gudrun (Erwin)	Estonia	1				5.73	37	
2005-01	January 9	Gudrun (Erwin)	Lithuania	1						
2005-02	January 11-12	Gero	Ireland, UK						49	
2006-01	October 3	Renate	France						42	

2006-02	November 2	Britta	Denmark, Sweden, Norway, Germany, UK						48	
2007-01	January 10-11	Franz	UK						42	
2007-02	January 14	Per	Norway			725.13				
2007-02	January 14	Per	Sweden	12		3266	0.37		38	
2007-02, 2007-03	January 14-15, 20, 27	Kyrill	Latvia	0.5		631	0.08		32	
2007-03	January 18	Kyrill	UK	0.1		300	0.03	9.46	44	520
2007-03	January 18	Kyrill	Netherlands	0.25		51.82	0.48			
2007-03	January 18	Kyrill	Germany	37		3356.05	1.1			
2007-03	January 18	Kyrill	Czech Republic	12		705.45	1.7			
2007-03	January 18	Kyrill	Poland	3		1724.25	0.17			
2007-03	January 18-19	Kyrill	Switzerland	0.1		449.38	0.02		33	
2007-04	June 25-26	Uriah	UK						40	
2007-05	November 7-8	Tilo	UK							
2008-01	January 25	Paula	Poland, Germany, Austria, Denmark, Norway, Sweden						46	

2008-02	February 22-23	Zizi	Germany, Sweden, Denmark, Poland, Lithuania, Latvia, Estonia						37	
2008-03	March 1	Emma	Germany, Austria, Czech Republic, Poland						53	
2008-04	December 14		Switzerland			449.38			28	
2009-01	January 23	Joris	Switzerland			449.38			32	
2009-02	January 24	Klaus	France	43.1	1.5	2407	1.79	43	53	900
2009-02	January 24	Klaus	Spain	1.1		689	0.16		55	
2009-03	February 10	Quinten	Switzerland	0.2		449.38	0.04		31	
2010-01	February 28	Xynthia	France	0.26					43	
2010-01	February 28	Xynthia	Spain	0.25						
2010-01	February 28	Xynthia	Luxembourg	0.09					32	
2010-01	February 28	Xynthia	Germany	3.59						
2010-01	February 28	Xynthia	Portugal						39	
2010-01	February 28	Xynthia	Belgium						27	