

Table 2.1 Characteristics of the sites in the NIPHYS/CANIF project. Wet deposition values are means for 1993-97. Dry deposition data are from EMEP (Barrett and Berge 1996; Berge 1997) and means for 1993-96.

Country	Sweden		Denmark		Czech Republic		Germany		France			Italy	
Site	Åheden	Skogaby	Klosterhede	Gribskov	Nacetin	Jezeri	Waldstein	Schacht	Aubure	Aubure	Thezan	Collelongo Col	Monte di Mezzo MdM
Site abbreviation	Åhe	Sko	Klo	Gri	Nac	Jez	Wal	Sch	AuP	AuF	The		
Location	64°13'N 19°30'E	56°33'N 13°13'E	56°29'N 08°24'E	55°58'N 12°15'E	50°35'N 13°15'E	50°33'N 13°28'E	50°12'N 11°53'E	50°04'N 11°50'E	48°12'N 07°11'E	48°12'N 07°11'E	43°07'N 02°45'E	41°52'N 13°38'E	41°45'N 14°53'E
Elevation [m a.s.l.]	175	95-115	27	45	775	750	700	850	1050	1000	170	1560	905
Species	<i>Pinus, Picea, Betula</i>	<i>Picea</i>	<i>Picea</i>	<i>Fagus</i>	<i>Picea</i>	<i>Fagus</i>	<i>Picea</i>	<i>Fagus</i>	<i>Picea</i>	<i>Fagus</i>	<i>Pinus pinaster</i>	<i>Fagus</i>	<i>Picea</i>
Type of stand	Natural, unmanaged	Planted	Planted	Natural regeneration	Planted residual	Planted	Planted	Natural, slightly managed	Planted	Natural regeneration	Natural regeneration	Natural regeneration	Planted on former pasture
Stand age (in 1995)	180	31	76	118	58	79	142	120	92	161	>100	104	37
Field layer ^a	Moderate Vm,Vv, moss	Patches moss, Df	Patches moss, Df	Sparse Oa,Go	Dense Cv,Df,Vm	None	Dense Vm,Cv,Df	Sparce, Dfm,Vm	Moderate Df,Dfm, Ru	Sparse Po,Dfm	Dense Qi,Es,Jo	Sparse Go, Gr	Very sparse Hh
Climate ^b	B	ho	ho	ho	hc	hc	hc	hc	ho	ho	m	mm	mm
Bud break	Early June	Mid May	Mid May	Early May	Mid May	Late April	Late April	Early May	Late April	Early May	Late April	Early May	Mid - Late April
N wet/dry/ total deposition [kg N ha ⁻¹ yr ⁻¹]	1.1/0.6 1.7	12.8/3.6 16.4	7.1/13.5 20.6	8.0/3.6 11.6	11.9/6.7 18.6	14.2/6.7 20.9	13.5/6.6 20.1	13.5/6.6 20.1	9.1/5.5 14.7	9.1/5.5 14.7	?	6.4/4.4 10.8	?/4.0 ?
S wet/dry/ total deposition [kg S ha ⁻¹ yr ⁻¹]	5.0/0.8 5.8	7.7/4.9 12.6	12/18 30	5.8/4.9 10.8	12.7/29.1 41.8	16.9/29.1 45.9	10.0/7.0 17.0	10.0/7.0 17.0	6.8/5.0 11.8	6.8/5.0 11.8	?	6.3/3.4 9.7	?/4.4 ?
Soil type	Regosol	Haplic podzol	Haplic podzol	Arenosol	Spodo-dystric cambisol	Dystric cambisol	Cambic podzol	Dystric cambisol	Dystric cambisol	Haplic podzol	Chromic luvisol	Humic alisol	?
Soil pH (H ₂ O) FH layer	3.93	4.06	3.88	4.29	3.62	4.11	3.69	4.34	3.48	4.01	-	5.2	-
Soil pH (H ₂ O) (0-10 cm)	4.45	4.01	3.94	4.07	3.47	3.93	3.52	3.99	3.71	3.57	5.74	5.69	6.92
Soil texture (0-10 cm)	Sand	Sandy loam	Sand	Fine sand	Sandy loam	Sandy silt loam	Loamy sand	Clay silt – sandy silt	Sandy loam	Loamy sand	Sandy silt, loamy sand	Silty loam -silty clay	Clay
Stoniness (0-10 cm) (%)	0	0	0	0	25	30	3	20	46	40	5-10	0-10	0
LAI (1994 or 1995)	2.5	7	5.7	4.9	5.8	6.9	6.2	4.1	5.4	5.8	?	4.5	5.5
Tree density ^c [trees ha ⁻¹]	433 (Ps) 434 (Pa) 51 (Bp)	<2285	735	400	616	568	363	372	568	352	700	885	1197
Mean tree height [m]	18.0 (Ps) 14.3 (Pa) 11.7 (Bp)	15	20	26.3	20.7	24	26.7	24.0	27.9	22.4	8-10	18.0	20.5
DBH ^c [cm]	24.1 (Ps) 16.0 (Pa) 12.1 (Bp)	14.5	22.9	40.5	28.5	30	36.5	33.6	40.7	34.9	30-35	21.2	19.5
Basal area ^c [m ² ha ⁻¹]	22.7 (Ps) 10.4 (Pa) 0.7 (Bp)	34	30	24.6	37.6	40.4	39.4	37.3	72	?	?	32.1	38.4
Annual volume increment ^c [m ³ ha ⁻¹ yr ⁻¹]	3.9 (Ps)	15	8.6	8.9-9.6	11.8	11	10.3	?	7.7	2.38	?	4.7	3.5

^a : Bp=*Betula pubescens*, Cv=*Calamagrostis villosa*, Df=*Deschampsia flexuosa*, Dfm=*Dryopteris filix-mas*, Es=*Erica scoparia*, Go=*Galium odoratum*, Gr=*Geranium robertianum*, Hh=*Hedera helix*, Jo=*Juniperus oxycedrus*, Oa=*Oxalis acetosella*, Pa=*Picea abies*, Ps=*Pinus sylvestris*, Po=*Polystichum spinulosum*, Qi=*Quercus ilex*, Ru=*Rubus sp.*, Up=*Ulex parviflorus*, Vm=*Vaccinium myrtillus*, Vv=*Vaccinium vitis-idaea*
^b b: boreal, ho: humic oceanic, hc: humic continental, m: Mediterranean, mm: montane Mediterranean
^c : Data Åhe 1998; AuP:1988, AuF: 1994; other sites 1995 or 1996