

Table 1

Selected phenological observation sites of legacy data set (Nr. 1), Swiss Plant Phenological Network (Nr. 2–13), International Phenological Gardens (IPG; Nr. 14–28) and the Spanish Phenological Network (Nr. 29–30). "Nr." indicates site number in this study. Sites are defined as historical legacy observation site (LEG), Swiss Network (CH), northern (N), central (C) and southern (S) European International Phenological Gardens. Spanish Network observations are included in S. "Phases" denotes the number of series, with number of leaf-unfolding and flowering series in brackets, "NAs" the percentage of missing values (not available).

Nr	Site	lon [°E]	lat [°N]	alt [m]	Period	Region	Phases	Observations	NAs [%]
1	Grossaffoltern	7.21	47.05	520	1977-2008	LEG	46 (2/44)	1144	22
2	Davos-Dorf	9.50	46.48	1560	1951-2008	CH	18 (4/14)	426	59
3	Enges	8.20	47.03	820	1951-2008	CH	37 (9/28)	1085	49
4	La Valsainte	7.10	46.38	1050	1951-2008	CH	38 (10/28)	949	56
5	Liestal	7.43	47.28	350	1951-2008	CH	43 (11/32)	1323	46
6	Murg	9.13	47.06	500	1951-2008	CH	47 (12/35)	1464	46
7	Prato-Sornico	8.38	46.23	750	1951-2008	CH	39 (11/28)	1018	54
8	Rafz	8.32	47.37	515	1951-2008	CH	42 (10/32)	1332	45
9	Sarnen	8.15	46.53	500	1951-2008	CH	42 (11/31)	1251	48
10	St. Moritz	9.50	46.29	1800	1951-2008	CH	14 (5/9)	344	57
11	Trient	6.59	46.02	1300	1951-2008	CH	31 (8/23)	761	57
12	Versoix	6.10	46.16	440	1951-2008	CH	44 (12/32)	1234	51
13	Wildhaus	9.21	47.12	1100	1951-2008	CH	34 (9/25)	989	49
14	Trondheim	10.53	63.29	25	1971-2000	N	9 (6/3)	192	28
15	Turku	22.33	60.23	10	1971-2000	N	6 (4/2)	139	22
16	Wexford	-6.38	52.20	80	1971-2000	N	14 (7/7)	272	35
17	Tharandt	13.32	50.59	360	1971-2000	N	13 (7/6)	270	30

18	Trier	6.40	49.45	265	1971-2000	N	15 (6/9)	347	22
19	Stuttgart	7.54	47.55	1210	1971-2000	C	14 (7/7)	361	14
	Banska								
20	Stiavnica	18.56	48.27	540	1971-2000	C	15 (8/7)	267	40
21	Slepčany	18.22	48.20	180	1971-2000	C	10 (4/6)	189	37
22	Vienna	16.22	48.15	202	1971-2000	C	12 (4/8)	222	38
23	Munich	11.10	48.11	540	1971-2000	C	17 (6/11)	394	22
24	Freiburg	7.54	47.55	1210	1971-2000	C	8 (5/3)	163	32
25	Zurich	8.48	47.20	600	1971-2000	C	15 (6/9)	388	13
26	Ljubljana	14.30	46.04	310	1971-2000	C	14 (6/8)	314	25
27	Skopje	22.51	41.59	240	1971-2000	S	10 (3/7)	187	37
28	Porto	-8.30	41.15	30	1971-2000	S	8 (6/2)	122	49
29	Cardedeu	2.13	41.23	195	1971-2000	S	79 (26/53)	1769	25
30	Talamanca	-3.19	40.26	654	1971-2001	S	8 (1/53)	140	43