

Supplement belonging to: Twelve years profile soil moisture and temperature measurements in Twente, the Netherlands

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5

March 2022, Enschede

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Table S1: Identification numbers, geographic and map projected coordinates of the DINOLOket groundwater monitoring wells nearest to the soil moisture monitoring station.

Well ID	SM-site	Geographic (datum: WGS84)		Amersfoort/RD (New)		Distance to SM-site (m)
		Latitude (degrees)	Longitude (degrees)	x (m)	y (m)	
B29A0230	ITC_SM01	52.42101	6.9698	262652	493754	735
B28F0163	ITC_SM02	52.40017	6.85354	254791	491269	1131
B28H0680	ITC_SM03	52.35464	6.82868	253200	486170	2695
B29C0147	ITC_SM04	52.26337	6.94898	261614	476187	2106
B28G0409	ITC_SM05	52.28654	6.65395	241430	478371	3404
B28E0166	ITC_SM06	52.39649	6.65903	241562	490610	1724
B29C0291	ITC_SM07	52.36399	6.96889	262728	487410	1008
B34G0251	ITC_SM08	52.13267	6.75563	248690	461380	808
B34F1353	ITC_SM09	52.14655	6.85044	255150	463050	506
B34E0313	ITC_SM10	52.17773	6.68185	243550	466300	2405
B34E0290	ITC_SM10	52.17600	6.65143	241473	466071	2506
B34B0289	ITC_SM11	52.21861	6.54436	234074	470689	1203
B34B0348	ITC_SM11	52.22629	6.54834	234332	471548	857
B34D0266	ITC_SM12	52.13509	6.56536	235660	461420	696
B34A1006	ITC_SM13	52.18330	6.41403	225224	466627	1201
B34A0846	ITC_SM13	52.20495	6.41074	224965	469032	1314
B33F0166	ITC_SM14	52.18761	6.30936	217970	469280	1613
B28D0329	ITC_SM15	52.31243	6.60179	237823	481191	721
B28D0463	ITC_SM15	52.31243	6.60179	237823	481191	721
B28D0335	ITC_SM16	52.36833	6.54119	233592	487342	409
B28B0240	ITC_SM17	52.41524	6.53591	233150	492556	602
B28A0064	ITC_SM18	52.41251	6.39916	223851	492113	1537
B27H0220	ITC_SM19	52.33737	6.29663	216980	483660	2430
B27H0419	ITC_SM19	52.33737	6.29663	216980	483660	2430
B28C0193	ITC_SM20	52.32577	6.44809	227321	482510	766
B34G0363	Hupsel	52.06742	6.65474	241910	453995	139
B28H0694	Twenthe	52.26223	6.88298	257111	475965	1335

Table S2: Change to instrumentation and measurement setups in the Twente monitoring network ordered by station.

ITC_SM01		ITC_SM02		ITC_SM03		ITC_SM04	
<i>Date</i>	<i>Activity</i>	<i>Date</i>	<i>Activity</i>	<i>Date</i>	<i>Activity</i>	<i>Date</i>	<i>Activity</i>
29/12/2008	Install	12/11/2008	Install	19/11/2008	Install	12/11/2008	Install
7/8/2014	Change to 5TM	5/6/2013	Relocate within field	27/3/2014	Changed to 5TM	9/3/2016	Relocate within field Change to 5TM
9/4/2015	Relocate within field	8/4/2015	P1: change to 5TM P4: add 5TM	2/5/2017	Relocate within field	22/11/2019	P3: Replace 5TM
		8/7/2016	P2: change to 5TM P5: add 5TM (5 cm)				
		1/2/2017	P3: change to 5TM				
		2/5/2017	P3: replace 5TM				
ITC_SM05		ITC_SM06		ITC_SM07		ITC_SM08	
<i>Date</i>	<i>Activity</i>	<i>Date</i>	<i>Activity</i>	<i>Date</i>	<i>Activity</i>	<i>Date</i>	<i>Activity</i>
27/5/2009	Install	19/11/2008	Install	12/11/2008	Install	19/8/2008	Install
22/4/2016	Change to 5TM	23/8/2012	Remove station	26/3/2014	Change to 5TM	17/11/2009	Reinstall
26/4/2017	Relocate	6/6/2013	Reinstall	3/11/2015	Relocate	22/4/2016	Change to 5TM
2/5/2017	Relocate	17/4/2015	Change to 5TM				
24/5/2018	Relocate within field	20/5/2016	Reinstall				
		29/08/2017	Remove station				
ITC_SM09		ITC_SM10		ITC_SM11		ITC_SM12	
<i>Date</i>	<i>Activity</i>	<i>Date</i>	<i>Activity</i>	<i>Date</i>	<i>Activity</i>	<i>Date</i>	<i>Activity</i>
19/12/2008	Install	12/12/2008	Install	12/12/2008	Install	27/5/2009	Install
2/5/2013	P2: Replace EC-TM	2/5/2013	Remove	11/5/2012	Relocate within field	2/5/2013	Relocate within field
20/12/2013	Change to 5TM	2/5/2014	Reinstall	9/10/2015	Relocate within field Change to 5TM	16/4/2015	Change to 5TM
21/12/2015	P2: replace 5TM P5: add 5TM (5 cm)	08/04/2015	Remove	29/6/2016	Remove	30/6/2016	P5: add 5TM (5 cm)
7/11/2018	P2: replace 5TM	20/5/2016	Reinstall (5TM)	18/10/2016	Reinstall		
ITC_SM13		ITC_SM14		ITC_SM15		ITC_SM16	
<i>Date</i>	<i>Activity</i>	<i>Date</i>	<i>Activity</i>	<i>Date</i>	<i>Activity</i>	<i>Date</i>	<i>Activity</i>
3/6/2009	Install	3/6/2009	Install	19/11/2008	Install	1/4/2009	Install
24/4/2014	Change to 5TM	24/11/2010	Remove	7/3/2016	Relocate within field P4 & P5: add 5TM	26/5/2011	Remove

8/3/2016	P5: add 5TM (10 cm)	20/4/2011	Reinstall	22/11/2019	P2: change to 5TM	22/8/2012	Relocate within field
20/9/2017	P3: replace 5TM	6/4/2013	P1: Replace sensor			25/4/2014	Change to 5TM
		7/11/2014	Change to 5TM			20/9/2017	Reinstall
		1/4/2016	Relocate			7/11/2018	P2: replace 5TM
		1/2/2017	P2: Replace 5TM				
ITC_SM17		ITC_SM18		ITC_SM19		ITC_SM20	
<i>Date</i>	<i>Activity</i>	<i>Date</i>	<i>Activity</i>	<i>Date</i>	<i>Activity</i>	<i>Date</i>	<i>Activity</i>
1/4/2009	Install	1/4/2009	Install	3/6/2009	Install	11/9/2009	Install
20/4/2011	Relocate within field	25/4/2014	P3: replace EC-TM	2/5/2014	Change to 5TM	2/5/2014	Change to 5TM
17/4/2015	Change to 5TM	17/4/2015	Change to 5TM	20/9/2017	Remove	1/2017	Remove
1/4/2016	Relocate	29/4/2020	P2: replace 5TM				
Hupsel		Twenthe					
<i>Date</i>	<i>Activity</i>	<i>Date</i>	<i>Activity</i>				
20/12/2017	Install	20/12/2017	Install				
		9/11/2018	P2: replace 5TM				