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*Supplement of*

## **At which timescale does the complementary principle perform best in evaporation estimation?**

**Liming Wang et al.**

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## **Caption**

The information including IGBP (International Geosphere-Biosphere Programme) types, location, study periods, measurement heights, canopy heights and energy balance condition at the 88 eddy flux sites is listed in Table S1. Table S2 provides the evaluation merits (NSE,  $R^2$  and RMSE in  $W\ m^{-2}$ ) of the two generalized complementary functions for each ecosystem types. Table S2 provides the evaluation merits for using the “Bowen ratio” (BR) closure correction method. Figure S1 gives relationship between the estimated evaporation and the observed site mean evaporation at seasonal scale.

**Table S1.** Summary of the information at the 88 eddy flux sites.

Site name	IGBP	LAT	LONG	Year	Measurement height (m)	Canopy height (m)	Energy balance residual ( $\text{W m}^{-2}$ )	Energy balance closure ratio
AT-Neu	GRA	47.117	11.318	2002~2012	2	0.76	16.38	0.83
AU-ASM	ENF	-22.283	133.249	2010~2014	11.7	6.5	28.99	0.82
AU-Cpr	SAV	-34.002	140.589	2010~2014	20	5	17.36	0.88
AU-DaS	SAV	-14.159	131.388	2008~2014	20.4	16.4	25.21	0.84
AU-Dry	SAV	-15.259	132.371	2009~2014	16.3	12.3	31.20	0.80
AU-How	WSA	-12.494	131.152	2003~2014	23	15	17.43	0.89
AU-Stp	GRA	-17.151	133.350	2008~2014	4.2	0.2	5.15	0.96
AU-Tum	EBF	-35.657	148.152	2001~2014	70	40	21.79	0.88
AU-Wom	EBF	-37.422	144.094	2010~2014	29	25	33.10	0.82
BE-Bra	MF	51.308	4.520	1997~2014	42	23	22.96	0.82
BE-Lon	CRO	50.552	4.746	2004~2014	2.7	0.5	20.91	0.80
BE-Vie	MF	50.305	5.998	1996~2014	40	35.2	22.66	0.83
BR-Sa1	EBF	-2.857	-54.959	2002~2011	57.8	41	15.52	0.87
BR-Sa3	EBF	-3.018	-54.971	2000~2004	64	27	8.05	0.94
CA-Gro	MF	48.217	-82.156	2003~2014	43.3	30	26.28	0.80
CA-Man	ENF	55.880	-98.481	1994~2008	30	10	20.02	0.85
CA-NS2	ENF	55.906	-98.525	2001~2005	20	16	18.55	0.85
CA-NS3	ENF	55.912	-98.382	2001~2005	10	7	22.53	0.82

Site name	IGBP	LAT	LONG	Year	Measurement height (m)	Canopy height (m)	Energy balance residual (W m <sup>-2</sup> )	Energy balance closure ratio
CA-NS5	ENF	55.863	-98.485	2001~2005	9	2	32.79	0.74
CA-Oas	DBF	53.629	-106.198	1996~2010	39	22	15.09	0.87
CA-Qfo	ENF	49.693	-74.342	2003~2010	24	13.8	26.57	0.80
CA-SF3	OSH	54.092	-106.005	2001~2006	20	1	3.83	0.96
CA-TP1	ENF	42.661	-80.560	2002~2014	3	2.8	24.44	0.81
CA-TP3	ENF	42.707	-80.348	2002~2014	16	13.1	18.51	0.87
CA-TP4	ENF	42.710	-80.357	2002~2014	28	21.8	36.15	0.78
CH-Cha	GRA	47.210	8.410	2006~2012	2	0.5	1.57	0.99
CH-Dav	ENF	46.815	9.856	1997~2011	35	18	42.06	0.70
CH-Fru	GRA	47.116	8.538	2006~2012	2	0.5	7.38	0.94
CH-Oe1	GRA	47.286	7.732	2003~2008	1.2	0.5	15.12	0.86
CZ-BK1	ENF	49.502	18.537	2004~2014	15	9.5	22.70	0.83
DE-Geb	CRO	51.100	10.914	2001~2014	6	1	7.91	0.92
DE-Gri	GRA	50.950	13.513	2004~2014	3	0.5	40.78	0.64
DE-Hai	DBF	51.079	10.453	2000~2009	43.5	33	5.44	0.95
DE-Lnf	DBF	51.328	10.368	2002~2012	44	34	5.35	0.95
DE-Obe	ENF	50.787	13.721	2008~2014	42	13.5	23.18	0.81
DE-Tha	ENF	50.962	13.565	1996~2014	42	30	16.66	0.87
DK-Sor	DBF	55.486	11.645	2003~2013	57	25	-0.15	1.00
ES-LJu	OSH	36.927	-2.752	2004~2013	2.5	0.5	23.42	0.83
FI-Hyy	ENF	61.847	24.295	2005~2014	67.2	15	9.61	0.91
FI-Sod	ENF	67.362	26.639	2002~2014	23	12.7	-8.71	1.09

Site name	IGBP	LAT	LONG	Year	Measurement height (m)	Canopy height (m)	Energy balance residual (W m <sup>-2</sup> )	Energy balance closure ratio
FR-Fon	DBF	48.476	2.780	2005~2014	35	25	10.96	0.91
FR-Gri	CRO	48.844	1.952	2004~2013	2.8	2	8.49	0.92
FR-LBr	ENF	44.717	-0.769	1996~2008	25	18	16.20	0.88
FR-Pue	EBF	43.741	3.596	2004~2013	11	6	38.20	0.74
GF-Guy	EBF	5.279	-52.925	2004~2014	52	32	6.35	0.96
IT-Col	DBF	41.849	13.588	1996~2014	25.2	20.2	43.08	0.73
IT-Cpz	EBF	41.705	12.376	1997~2008	15	12	21.30	0.87
IT-Lav	ENF	45.956	11.281	2004~2014	28	28	0.72	1.00
IT-Noe	CSH	40.606	8.151	2004~2014	2	1.75	8.75	0.95
IT-Ren	ENF	46.587	11.434	2002~2013	41	31	-27.06	1.19
IT-Ro1	DBF	42.408	11.930	2001~2008	18.6	17	24.76	0.83
IT-Ro2	DBF	42.390	11.921	2002~2011	18.6	17	40.27	0.75
IT-SRo	ENF	43.728	10.284	2000~2007	23.5	18	44.46	0.76
IT-Tor	GRA	45.844	7.578	2008~2014	2.5	0.5	2.82	0.98
MY-PSO	EBF	2.973	102.306	2003~2009	52	35	2.74	0.98
NL-Hor	GRA	52.240	5.071	2004~2011	4.3	0.5	15.34	0.87
NL-Loo	ENF	52.167	5.744	1997~2014	52	15.9	26.51	0.81
RU-Cok	OSH	70.829	147.494	2003~2012	4.7	0.3	17.03	0.80
RU-Fyo	ENF	56.462	32.922	1999~2014	42.8	34.8	5.79	0.95
RU-Sam	GRA	72.374	126.496	2002~2014	4	0.1	21.68	0.77
US-Atq	WET	70.470	-157.409	2004~2008	2.5	0.5	10.61	0.87
US-Blo	ENF	38.895	-120.633	1997~2007	8.5	4	10.35	0.94

Site name	IGBP	LAT	LONG	Year	Measurement height (m)	Canopy height (m)	Energy balance residual (W m <sup>-2</sup> )	Energy balance closure ratio
US-Cop	GRA	38.090	-109.390	2001~2007	1.85	0.1	33.39	0.71
US-GBT	ENF	41.366	-106.240	2001~2005	29	1	19.72	0.86
US-GLE	ENF	41.367	-106.240	2005~2014	22.65	18	21.21	0.85
US-Goo	GRA	34.255	-89.874	2002~2006	4	0.3	25.45	0.81
US-Ha1	DBF	42.538	-72.172	1992~2012	30	26	16.84	0.87
US-IB2	GRA	41.841	-88.241	2005~2011	3.76	0.5	31.23	0.77
US-Los	WET	46.083	-89.979	2000~2010	10.2	2	29.20	0.76
US-Me2	ENF	44.452	-121.557	2002~2014	32	16	13.14	0.92
US-Me3	ENF	44.315	-121.608	2004~2009	12	3.1	23.60	0.83
US-MMS	DBF	39.323	-86.413	2000~2014	46	27	35.60	0.76
US-Ne1	CRO	41.165	-96.477	2002~2013	6.2	2	26.98	0.81
US-Ne2	CRO	41.165	-96.470	2001~2013	6.2	2	22.19	0.84
US-Ne3	CRO	41.180	-96.440	2001~2013	6.2	2	16.36	0.88
US-NR1	ENF	40.033	-105.546	1999~2014	21.5	11.4	26.46	0.83
US-SRC	MF	31.908	-110.840	2008~2014	4.25	1.7	22.01	0.82
US-SRG	GRA	31.789	-110.828	2008~2014	8	2.5	13.18	0.89
US-SRM	WSA	31.821	-110.866	2004~2014	6.4	2.5	17.72	0.87
US-Syv	MF	46.242	-89.348	2002~2008	36	27	15.20	0.87
US-Ton	WSA	38.432	-120.966	2001~2014	23	9.41	29.51	0.81
US-UMB	DBF	45.560	-84.714	2000~2014	46	22	8.22	0.94
US-UMd	DBF	45.563	-84.698	2007~2014	34	22	10.36	0.92

Site name	IGBP	LAT	LONG	Year	Measurement height (m)	Canopy height (m)	Energy balance residual (W m <sup>-2</sup> )	Energy balance closure ratio
US-Var	GRA	38.413	-120.951	2001~2014	2	0.3	13.09	0.89
US-WCr	DBF	45.806	-90.080	1999~2014	29.6	24	22.80	0.82
US-Whs	OSH	31.744	-110.052	2007~2014	6	1	16.83	0.87
US-Wkg	GRA	31.737	-109.942	2004~2014	6.4	0.5	12.78	0.89
ZA-Kru	SAV	-25.020	31.497	2000~2013	16	10	4.06	0.97

**Table S2.** The NSE values of the SGC ( $NSE_H$ ) and PGC functions ( $NSE_B$ ) for each site at different time scales. The subscript H and B correspond to the sigmoid function proposed in Han & Tian (2018) and the polynomial function proposed in Brutsaert (2015), respectively.

Site name	$NSE_H$				$NSE_B$			
	Day	Week	Month	Year	Day	Week	Month	Year
AT-Neu	0.88	0.90	0.87	-1.18	0.89	0.91	0.94	0.92
AU-ASM	0.63	0.67	0.75	0.72	0.64	0.68	0.76	0.74
AU-Cpr	-0.26	0.45	0.60	0.47	-0.75	0.43	0.59	0.54
AU-DaS	0.78	0.83	0.87	0.81	0.76	0.82	0.87	0.80
AU-Dry	0.84	0.88	0.90	0.90	0.83	0.88	0.90	0.91
AU-How	0.67	0.65	0.56	0.33	0.65	0.64	0.57	0.38
AU-Stp	0.80	0.85	0.95	0.84	0.82	0.78	0.90	0.60
AU-Tum	0.71	0.87	0.85	0.81	0.68	0.86	0.85	0.84
AU-Wom	-0.37	0.53	0.48	-0.48	-0.32	0.31	0.42	0.28
BE-Bra	0.46	0.48	0.64	0.36	0.43	0.46	0.64	0.47
BE-Lon	0.61	0.52	0.48	-0.68	0.52	0.34	0.28	-0.52
BE-Vie	0.34	0.54	0.59	0.51	0.32	0.50	0.51	0.45
BR-Sa1	0.93	0.97	0.95	0.82	0.89	0.94	0.89	0.71
BR-Sa3	0.85	0.92	0.89	0.80	0.81	0.90	0.86	0.75
CA-Gro	0.30	0.71	0.80	0.86	0.36	0.68	0.77	0.88
CA-Man	-0.44	0.46	0.34	0.53	-0.61	0.45	0.31	0.51
CA-NS2	0.29	0.44	0.37	-0.19	0.18	0.39	0.33	-0.24
CA-NS3	0.26	0.49	0.42	-1.22	0.13	0.32	0.21	-2.90
CA-NS5	0.51	0.76	0.86	-0.57	0.28	0.67	0.86	-0.65
CA-Oas	0.66	0.70	0.68	0.47	0.65	0.74	0.74	0.68
CA-Qfo	-0.60	0.28	0.27	0.42	-0.68	0.25	0.19	0.52
CA-SF3	0.79	0.85	0.74	0.72	0.68	0.78	0.59	0.64
CA-TP1	0.20	0.30	0.36	0.66	0.16	0.27	0.31	0.65
CA-TP3	-0.03	0.12	0.03	-1.62	-0.08	0.07	-0.01	-1.74
CA-TP4	0.14	0.18	0.27	-0.34	0.08	0.13	0.23	-0.26
CH-Cha	0.89	0.86	0.84	0.47	0.88	0.86	0.90	0.95
CH-Dav	0.35	0.48	0.68	0.31	0.06	0.20	0.59	0.90
CH-Fru	0.92	0.88	0.77	-0.42	0.90	0.87	0.88	0.88
CH-Oe1	0.84	0.78	0.66	-2.29	0.79	0.72	0.72	-0.43
CZ-BK1	0.04	0.20	0.48	0.31	-0.15	0.09	0.44	0.29
DE-Geb	0.58	0.61	0.72	0.32	0.54	0.58	0.73	0.30
DE-Gri	0.89	0.87	0.88	0.21	0.88	0.85	0.83	0.70
DE-Hai	0.54	0.61	0.62	0.54	0.48	0.57	0.58	0.63
DE-Lnf	0.62	0.75	0.75	-1.19	0.57	0.71	0.71	-0.49



DE-Obe	0.59	0.46	0.68	0.55	0.55	0.35	0.66	0.50
DE-Tha	-0.05	0.44	0.48	0.51	0.03	0.34	0.40	0.44
DK-Sor	0.48	0.58	0.66	0.08	0.47	0.59	0.67	0.45
ES-LJu	-0.53	0.04	0.12	-0.66	-0.95	-0.24	-0.28	-1.41
FI-Hyy	0.21	-0.01	0.69	0.79	0.05	-0.40	0.68	0.79
FI-Sod	0.35	0.61	0.26	0.21	0.27	0.61	0.26	0.22
FR-Fon	0.73	0.80	0.84	0.65	0.70	0.81	0.84	0.04
FR-Gri	0.59	0.53	0.51	0.58	0.53	0.50	0.44	0.60
FR-LBr	-0.03	0.36	0.45	0.63	0.04	0.32	0.41	0.68
FR-Pue	-0.23	0.44	0.56	0.14	-0.21	0.43	0.56	0.03
GF-Guy	0.53	0.04	-1.27	0.41	0.44	-0.04	-1.45	-0.04
IT-Col	0.49	0.81	0.88	0.80	0.40	0.79	0.88	0.81
IT-Cpz	-0.86	-0.89	-1.15	-5.55	-0.96	-0.95	-1.20	-5.50
IT-Lav	-2.94	-4.97	-1.10	-6.57	-4.45	-7.48	-1.26	-7.25
IT-Noe	-2.08	-0.72	-0.31	0.11	-3.68	-1.21	-0.54	0.12
IT-Ren	-0.99	0.29	0.53	0.54	-2.35	0.09	0.43	0.43
IT-Ro1	0.32	0.47	0.57	0.19	0.26	0.46	0.57	0.32
IT-Ro2	0.59	0.65	0.71	0.77	0.56	0.66	0.73	0.81
IT-SRo	-0.56	-0.63	-0.31	0.50	-0.87	-0.85	-0.48	0.47
IT-Tor	0.84	0.86	0.92	0.75	0.74	0.75	0.88	0.52
MY-PSO	-0.76	-1.64	-2.47	0.34	-1.19	-2.17	-3.04	0.13
NL-Hor	0.90	0.86	0.85	-0.78	0.90	0.90	0.92	0.80
NL-Loo	0.08	0.17	0.26	0.70	-0.33	-0.25	-0.07	0.64
RU-Cok	0.69	0.75	0.84	0.69	0.51	0.64	0.82	0.74
RU-Fyo	0.37	0.67	0.72	0.76	0.36	0.66	0.70	0.77
RU-Sam	0.82	0.84	0.82	0.89	0.66	0.80	0.74	0.77
US-Atq	0.65	-0.82	0.91	0.78	0.44	-2.64	0.92	0.78
US-Blo	0.50	0.68	0.76	0.22	0.46	0.67	0.75	0.23
US-Cop	-0.31	-0.19	-0.76	-0.21	-0.78	-0.58	-1.21	-0.71
US-GBT	-0.60	-1.04	0.83	0.36	-1.37	-2.44	0.81	0.40
US-GLE	-0.09	0.60	0.68	0.56	-0.01	0.52	0.63	0.62
US-Goo	0.81	0.73	0.61	0.51	0.76	0.67	0.40	0.47
US-Ha1	0.76	0.80	0.84	0.91	0.75	0.84	0.88	0.92
US-IB2	0.84	0.84	0.85	-0.92	0.79	0.78	0.82	-0.21
US-Los	0.83	0.87	0.88	0.68	0.79	0.84	0.87	0.66
US-Me2	-0.37	0.72	0.78	0.36	-0.75	0.72	0.78	0.39
US-Me3	0.00	0.75	0.80	0.74	-0.60	0.74	0.81	0.79
US-MMS	0.80	0.90	0.91	0.34	0.79	0.90	0.93	0.45
US-Ne1	0.82	0.87	0.89	0.90	0.81	0.88	0.92	0.84
US-Ne2	0.80	0.86	0.85	0.85	0.79	0.85	0.86	0.80
US-Ne3	0.79	0.88	0.89	0.95	0.77	0.87	0.90	0.95
US-NR1	0.01	-0.81	0.72	0.67	-0.04	-1.23	0.70	0.70
US-SRC	0.66	0.75	0.76	0.78	0.63	0.74	0.76	0.78
US-SRG	0.65	0.73	0.75	0.62	0.66	0.74	0.76	0.61

US-SRM	0.61	0.72	0.76	0.66	0.60	0.72	0.77	0.66
US-Syv	0.74	0.81	0.81	0.12	0.64	0.74	0.70	0.48
US-Ton	0.30	0.37	0.35	0.08	0.28	0.37	0.36	0.06
US-UMB	0.41	0.72	0.76	0.71	0.41	0.72	0.76	0.70
US-UMd	0.64	0.74	0.71	0.81	0.62	0.74	0.70	0.81
US-Var	0.49	0.63	0.73	0.83	0.16	0.37	0.41	0.74
US-WCr	0.79	0.84	0.87	0.70	0.76	0.85	0.86	0.54
US-Whs	0.74	0.84	0.88	0.14	0.72	0.84	0.90	-0.02
US-Wkg	0.73	0.82	0.86	0.77	0.71	0.83	0.88	0.80
ZA-Kru	0.77	0.83	0.87	0.89	0.77	0.83	0.88	0.89

**Table S3.** The evaluation merits (NSE,  $R^2$  and RMSE in  $W m^{-2}$ ) of the two generalized complementary functions for each ecosystem types. The subscript H and B correspond to the sigmoid function proposed in Han & Tian (2018) and the polynomial function proposed in Brutsaert (2015), respectively. The suffixes “\_d”, “\_w”, “\_m”, “\_y” represents the results at the daily, weekly, monthly and yearly, respectively.

	NSE <sub>H</sub>	$R^2_H$	RMSE <sub>H</sub>	NSE <sub>B</sub>	$R^2_B$	RMSE <sub>B</sub>
CRO_d	0.70	0.72	22.16	0.66	0.72	23.26
CRO_w	0.71	0.74	17.26	0.67	0.75	18.09
CRO_m	0.72	0.75	14.45	0.69	0.77	14.47
CRO_y	0.49	0.61	5.05	0.50	0.62	5.33
CSH_d	-2.08	0.00	46.67	-3.68	0.00	61.72
CSH_w	-0.72	0.05	29.26	-1.21	0.03	34.22
CSH_m	-0.31	0.10	22.52	-0.54	0.11	24.48
CSH_y	0.11	0.17	17.28	0.12	0.21	17.12
DBF_d	0.60	0.65	24.60	0.57	0.63	25.46
DBF_w	0.72	0.73	18.05	0.72	0.74	17.92
DBF_m	0.75	0.77	14.84	0.76	0.78	14.52
DBF_y	0.44	0.62	6.56	0.51	0.66	6.24
EBF_d	0.10	0.58	24.13	0.02	0.56	25.18
EBF_w	0.15	0.64	14.95	0.03	0.62	16.08
EBF_m	-0.15	0.62	12.36	-0.26	0.61	12.93
EBF_y	-0.34	0.53	7.97	-0.35	0.54	7.89
ENF_d	-0.08	0.50	31.24	-0.33	0.49	34.59
ENF_w	0.10	0.64	21.44	-0.15	0.63	23.68
ENF_m	0.45	0.71	14.37	0.39	0.71	15.07

ENF_y	0.02	0.53	7.94	-0.05	0.54	7.86
GRA_d	0.73	0.81	16.36	0.65	0.80	18.65
GRA_w	0.75	0.82	13.29	0.68	0.82	15.08
GRA_m	0.75	0.84	10.90	0.68	0.84	11.88
GRA_y	0.01	0.75	7.58	0.49	0.77	5.78
MF_d	0.50	0.64	21.78	0.48	0.63	22.45
MF_w	0.66	0.71	14.51	0.62	0.72	15.37
MF_m	0.72	0.75	11.42	0.68	0.77	12.32
MF_y	0.53	0.57	6.90	0.61	0.65	6.59
OSH_d	0.42	0.65	21.23	0.24	0.64	25.07
OSH_w	0.62	0.74	13.82	0.51	0.72	15.64
OSH_m	0.64	0.79	10.37	0.51	0.79	11.67
OSH_y	0.22	0.66	6.32	-0.01	0.67	6.94
SAV_d	0.53	0.69	20.44	0.40	0.67	22.23
SAV_w	0.75	0.76	14.06	0.74	0.77	14.14
SAV_m	0.81	0.83	10.61	0.81	0.83	10.48
SAV_y	0.77	0.82	6.50	0.79	0.82	6.34
WET_d	0.74	0.83	16.24	0.62	0.80	19.52
WET_w	0.03	0.89	22.55	-0.90	0.87	30.24
WET_m	0.89	0.92	7.77	0.90	0.93	7.59
WET_y	0.73	0.84	4.71	0.72	0.86	4.75
WSA_d	0.53	0.56	24.08	0.51	0.55	24.52
WSA_w	0.56	0.59	20.25	0.57	0.59	20.29
WSA_m	0.56	0.59	17.55	0.57	0.60	17.33
WSA_y	0.36	0.47	8.29	0.37	0.47	8.22

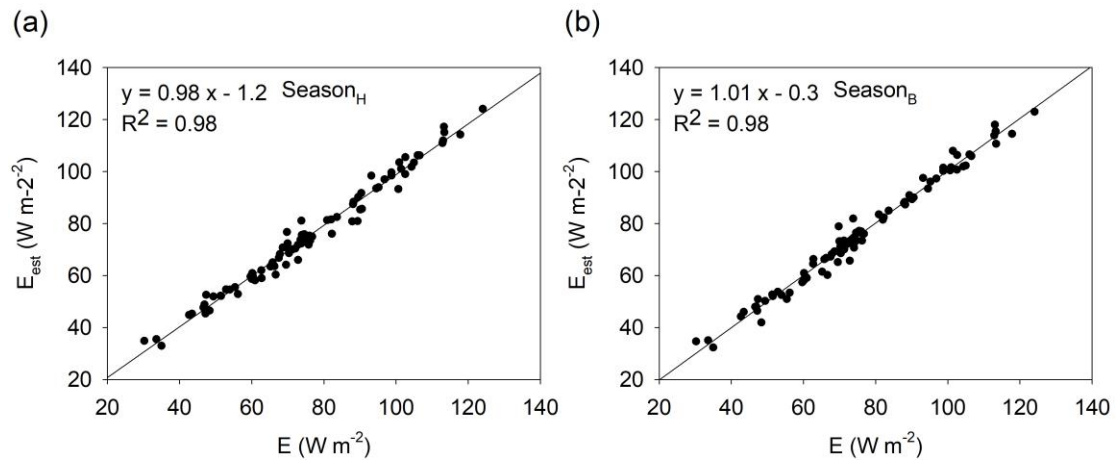
**Table S4.** The evaluation merits (NSE,  $R^2$  and RMSE in  $W m^{-2}$ ) of the two generalized complementary functions using the “Bowen ratio” (BR) closure correction method. The subscript H and B correspond to the SGC function proposed in Han & Tian (2018) and the PGC function proposed in Brutsaert (2015), respectively.

	Day	Week	Month	Season	Year
NSE <sub>H</sub>	0.01	0.23	0.4	0.17	-0.07
NSE <sub>B</sub>	-0.28	0.03	0.27	0.11	-0.23
$R^2$ <sub>H</sub>	0.53	0.62	0.67	0.54	0.52
$R^2$ <sub>B</sub>	0.52	0.61	0.68	0.55	0.52
RMSE <sub>H</sub>	26.62	18.9	14.56	11.3	7.88

$RMSE_B$	29.77	20.59	15.26	11.3	8.03
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**Figure S1.** The estimated evaporation vs the observed site mean evaporation at seasonal scale based on the sigmoid function (a) and the polynomial function (b). Each dot represents the site mean result ( $N = 88$  in each panel). The regression equations and determination coefficients ( $R^2$ ) were calculated by the site mean results of the 88 EC sites. The subscript H and B correspond to the sigmoid function proposed in Han & Tian (2018) and the polynomial function proposed in Brutsaert (2015), respectively.



## Reference list for dataset

Site name	DOI	Creator	Title	Date of last access
AT-Neu	10.18140/FLX/1440121	Georg Wohlfahrt	FLUXNET2015 AT-Neu Neustift	2020.2.15
AU-ASM	10.18140/FLX/1440194	James Cleverly	FLUXNET2015 AU-ASM Alice Springs	2020.2.15
AU-Cpr	10.18140/FLX/1440195	Wayne Meyer	FLUXNET2015 AU-Cpr Calperum	2020.2.15
AU-DaS	10.18140/FLX/1440122	Jason Beringer	FLUXNET2015 AU-DaS Daly River Cleared	2020.2.15
AU-Dry	10.18140/FLX/1440197	Jason Beringer	FLUXNET2015 AU-Dry Dry River	2020.2.15
AU-How	10.18140/FLX/1440125	Jason Beringer	FLUXNET2015 AU-How Howard Springs	2020.2.15
AU-Stp	10.18140/FLX/1440204	Jason Beringer	FLUXNET2015 AU-Stp Sturt Plains	2020.2.15
AU-Tum	10.18140/FLX/1440126	William Woodgate	FLUXNET2015 AU-Tum Tumbarumba	2020.2.15
AU-Wom	10.18140/FLX/1440207	Stefan Arndt	FLUXNET2015 AU-Wom Wombat	2020.2.15
BE-Bra	10.18140/FLX/1440128	Ivan Janssens	FLUXNET2015 BE-Bra Brasschaat	2020.2.15
BE-Lon	10.18140/FLX/1440129	Anne De Ligne	FLUXNET2015 BE-Lon Lonzee	2020.2.15
BE-Vie	10.18140/FLX/1440130	Anne De Ligne	FLUXNET2015 BE-Vie Vielsalm	2020.2.15
BR-Sa1	10.18140/FLX/1440032	Scott Saleska	FLUXNET2015 BR-Sa1 Santarem-Km67-Primary Forest	2020.2.15
BR-Sa3	10.18140/FLX/1440033	Mike Goulden	FLUXNET2015 BR-Sa3 Santarem-Km83-Logged Forest	2020.2.15
CA-Gro	10.18140/FLX/1440034	Harry McCaughey	FLUXNET2015 CA-Gro Ontario - Groundhog River, Boreal Mixedwood Forest	2020.2.15
CA-Man	10.18140/FLX/1440035	Brian Amiro	FLUXNET2015 CA-Man Manitoba - Northern Old Black Spruce (former BOREAS Northern Study Area)	2020.2.15
CA-NS2	10.18140/FLX/1440037	Mike Goulden	FLUXNET2015 CA-NS2 UCI-1930 burn site	2020.2.15
CA-NS3	10.18140/FLX/1440038	Mike Goulden	FLUXNET2015 CA-NS3 UCI-1964 burn site	2020.2.15
CA-NS5	10.18140/FLX/1440040	Mike Goulden	FLUXNET2015 CA-NS5 UCI-1981 burn site	2020.2.15

Site name	DOI	Creator	Title	Date of last access
CA-Oas	10.18140/FLX/1440043	T. Andrew Black	FLUXNET2015 CA-Oas Saskatchewan - Western Boreal, Mature Aspen	2020.2.15
CA-Qfo	10.18140/FLX/1440045	Hank A. Margolis	FLUXNET2015 CA-Qfo Quebec - Eastern Boreal, Mature Black Spruce	2020.2.15
CA-SF3	10.18140/FLX/1440048	Brian Amiro	FLUXNET2015 CA-SF3 Saskatchewan - Western Boreal, forest burned in 1998	2020.2.15
CA-TP1	10.18140/FLX/1440050	M. Altaf Arain	FLUXNET2015 CA-TP1 Ontario - Turkey Point 2002 Plantation White Pine	2020.2.15
CA-TP3	10.18140/FLX/1440052	M. Altaf Arain	FLUXNET2015 CA-TP3 Ontario - Turkey Point 1974 Plantation White Pine	2020.2.15
CA-TP4	10.18140/FLX/1440053	M. Altaf Arain	FLUXNET2015 CA-TP4 Ontario - Turkey Point 1939 Plantation White Pine	2020.2.15
CH-Cha	10.18140/FLX/1440131	Lukas Hörtnagl	FLUXNET2015 CH-Cha Chamau	2020.2.15
CH-Dav	10.18140/FLX/1440132	Lukas Hörtnagl	FLUXNET2015 CH-Dav Davos	2020.2.15
CH-Fru	10.18140/FLX/1440133	Lukas Hörtnagl	FLUXNET2015 CH-Fru Frübüel	2020.2.15
CH-Oe1	10.18140/FLX/1440135	Christoph Ammann	FLUXNET2015 CH-Oe1 Oensingen grassland	2020.2.15
CZ-BK1	10.18140/FLX/1440143	Ladislav Sigut	FLUXNET2015 CZ-BK1 Bily Kriz forest	2020.2.15
DE-Geb	10.18140/FLX/1440146	Christian Brümmer	FLUXNET2015 DE-Geb Gebesee	2020.2.15
DE-Gri	10.18140/FLX/1440147	Christian Bernhofer	FLUXNET2015 DE-Gri Grillenburg	2020.2.15
DE-Hai	10.18140/FLX/1440148	Alexander Knohl	FLUXNET2015 DE-Hai Hainich	2020.2.15
DE-Lnf	10.18140/FLX/1440150	Alexander Knohl	FLUXNET2015 DE-Lnf Leinefelde	2020.2.15
DE-Obe	10.18140/FLX/1440151	Christian Bernhofer	FLUXNET2015 DE-Obe Oberbärenburg	2020.2.15
DE-Tha	10.18140/FLX/1440152	Christian Bernhofer	FLUXNET2015 DE-Tha Tharandt	2020.2.15
DK-Sor	10.18140/FLX/1440155	Andreas Ibrom	FLUXNET2015 DK-Sor Soroe	2020.2.15

Site name	DOI	Creator	Title	Date of last access
ES-LJu	10.18140/FLX/1440157	Erique Pérez Sánchez Cañete	FLUXNET2015 ES-LJu Llano de los Juanes	2020.2.15
FI-Hyy	10.18140/FLX/1440158	Ivan Mammarella	FLUXNET2015 FI-Hyy Hyytiala	2020.2.15
FI-Sod	10.18140/FLX/1440160	Mika Aurela	FLUXNET2015 FI-Sod Sodankyla	2020.2.15
FR-Fon	10.18140/FLX/1440161	Daniel Berveiller	FLUXNET2015 FR-Fon Fontainebleau-Barbeau	2020.2.15
FR-Gri	10.18140/FLX/1440162	Pauline Buysse	FLUXNET2015 FR-Gri Grignon	2020.2.15
FR-LBr	10.18140/FLX/1440163	Paul Berbigier	FLUXNET2015 FR-LBr Le Bray	2020.2.15
FR-Pue	10.18140/FLX/1440164	Jean-Marc Ourcival	FLUXNET2015 FR-Pue Puechabon	2020.2.15
GF-Guy	10.18140/FLX/1440165	Damien BONAL	FLUXNET2015 GF-Guy Guyaflux (French Guiana)	2020.2.15
IT-Col	10.18140/FLX/1440167	Giorgio Matteucci	FLUXNET2015 IT-Col Collelongo	2020.2.15
IT-Cpz	10.18140/FLX/1440168	Riccardo Valentini	FLUXNET2015 IT-Cpz Castelporziano	2020.2.15
IT-Lav	10.18140/FLX/1440169	Damiano Gianelle	FLUXNET2015 IT-Lav Lavarone	2020.2.15
IT-Noe	10.18140/FLX/1440171	Donatella Spano	FLUXNET2015 IT-Noe Arca di Noe - Le Prigionette	2020.2.15
IT-Ren	10.18140/FLX/1440173	Leonardo Montagnani	FLUXNET2015 IT-Ren Renon	2020.2.15
IT-Ro1	10.18140/FLX/1440174	Riccardo Valentini	FLUXNET2015 IT-Ro1 Roccarespampani 1	2020.2.15
IT-Ro2	10.18140/FLX/1440175	Dario Papale	FLUXNET2015 IT-Ro2 Roccarespampani 2	2020.2.15
IT-SRo	10.18140/FLX/1440176	Carsten Gruening	FLUXNET2015 IT-SRo San Rossore	2020.2.15
IT-Tor	10.18140/FLX/1440237	Edoardo Cremonese	FLUXNET2015 IT-Tor Torgnon	2020.2.15
MY-PSO	10.18140/FLX/1440240	Yoshiko Kosugi	FLUXNET2015 MY-PSO Pasoh Forest Reserve (PSO)	2020.2.15
NL-Hor	10.18140/FLX/1440177	Han Dolman	FLUXNET2015 NL-Hor Horstermeer	2020.2.15
NL-Loo	10.18140/FLX/1440178	Eddy Moors	FLUXNET2015 NL-Loo Loobos	2020.2.15
RU-Cok	10.18140/FLX/1440182	Han Dolman	FLUXNET2015 RU-Cok Chokurdakh	2020.2.15
RU-Fyo	10.18140/FLX/1440183	Andrej Varlagin	FLUXNET2015 RU-Fyo Fyodorovskoye	2020.2.15
RU-Sam	10.18140/FLX/1440185	Lars Kutzbach	FLUXNET2015 RU-Sam Samoylov	2020.2.15



Site name	DOI	Creator	Title	Date of last access
US-Atq	10.18140/FLX/1440067	Donatella Zona	FLUXNET2015 US-Atq Atqasuk	2020.2.15
US-Blo	10.18140/FLX/1440068	Allen Goldstein	FLUXNET2015 US-Blo Blodgett Forest	2020.2.15
US-Cop	10.18140/FLX/1440100	David Bowling	FLUXNET2015 US-Cop Corral Pocket	2020.2.15
US-GBT	10.18140/FLX/1440118	Bill Massman	FLUXNET2015 US-GBT GLEES Brooklyn Tower	2020.2.15
US-GLE	10.18140/FLX/1440069	Bill Massman	FLUXNET2015 US-GLE GLEES	2020.2.15
US-Goo	10.18140/FLX/1440070	Tilden Meyers	FLUXNET2015 US-Goo Goodwin Creek	2020.2.15
US-Ha1	10.18140/FLX/1440071	J. William Munger	FLUXNET2015 US-Ha1 Harvard Forest EMS Tower (HFR1)	2020.2.15
US-IB2	10.18140/FLX/1440072	Roser Matamala	FLUXNET2015 US-IB2 Fermi National Accelerator Laboratory- Batavia (Prairie site)	2020.2.15
US-Los	10.18140/FLX/1440076	Ankur Desai	FLUXNET2015 US-Los Lost Creek	2020.2.15
US-Me2	10.18140/FLX/1440079	Ankur Desai	FLUXNET2015 US-Los Lost Creek	2020.2.15
US-Me3	10.18140/FLX/1440080	Bev Law	FLUXNET2015 US-Me3 Metolius-second young aged pine	2020.2.15
US-MMS	10.18140/FLX/1440083	Kim Novick	FLUXNET2015 US-MMS Morgan Monroe State Forest	2020.2.15
US-Ne1	10.18140/FLX/1440084	Andy Suyker	FLUXNET2015 US-Ne1 Mead - irrigated continuous maize site	2020.2.15
US-Ne2	10.18140/FLX/1440085	Andy Suyker	FLUXNET2015 US-Ne2 Mead - irrigated maize-soybean rotation site	2020.2.15
US-Ne3	10.18140/FLX/1440086	Andy Suyker	FLUXNET2015 US-Ne3 Mead - rainfed maize-soybean rotation site	2020.2.15
US-NR1	10.18140/FLX/1440087	Peter D. Blanken	FLUXNET2015 US-NR1 Niwot Ridge Forest (LTER NWT1)	2020.2.15
US-SRC	10.18140/FLX/1440098	Shirley Kurc	FLUXNET2015 US-SRC Santa Rita Creosote	2020.2.15
US-SRG	10.18140/FLX/1440114	Russell Scott	FLUXNET2015 US-SRG Santa Rita Grassland	2020.2.15

Site name	DOI	Creator	Title	Date of last access
US-SRM	10.18140/FLX/1440090	Russell Scott	FLUXNET2015 US-SRM Santa Rita Mesquite	2020.2.15
US-Syv	10.18140/FLX/1440091	Ankur Desai	FLUXNET2015 US-Syv Sylvania Wilderness Area	2020.2.15
US-Ton	10.18140/FLX/1440092	Siyan Ma	FLUXNET2015 US-Ton Tonzi Ranch	2020.2.15
US-UMB	10.18140/FLX/1440093	Christopher Gough	FLUXNET2015 US-UMB Univ. of Mich. Biological Station	2020.2.15
US-UMd	10.18140/FLX/1440101	Christopher Gough	FLUXNET2015 US-UMd UMBS Disturbance	2020.2.15
US-Var	10.18140/FLX/1440094	Siyan Ma	FLUXNET2015 US-Var Vaira Ranch- Ione	2020.2.15
US-WCr	10.18140/FLX/1440095	Ankur Desai	FLUXNET2015 US-WCr Willow Creek	2020.2.15
US-Whs	10.18140/FLX/1440097	Russ Scott	FLUXNET2015 US-Whs Walnut Gulch Lucky Hills Shrub	2020.2.15
US-Wkg	10.18140/FLX/1440096	Russell Scott	FLUXNET2015 US-Wkg Walnut Gulch Kendall Grasslands	2020.2.15
ZA-Kru	10.18140/FLX/1440188	Bob Scholes	FLUXNET2015 ZA-Kru Skukuza	2020.2.15