

No.	Site name	Location	Vegetation	Driving climate	Observed data	Source and comments
1	Poker Flat Research Range Black Spruce Forest (US_PRR)	147°29' W/65°7' N	Boreal evergreen needle- leaf forests	Site observation & ERA-Interim	Soil temperature and moisture of 2011–2014	Suzuki (2016)
2	Morgan Monroe State Forest (US_MMS)	86°25 W/39°19' N	Temperate deciduous broadleaf forests	Site observation & ERA-Interim	Soil temperature and moisture of 1999–2014	Philip and Novick (2016)
3	Santarem, Tapajos National Forest (STM_K83)	54°56' W/3°3' S	Tropical moist forest	Site observation & ERA-Interim	Soil temperature and moisture of 2000–2004	Saleska et al. (2013)
4	Bananal Island Site (TOC_BAN)	50°08' W/9°49' S	Tropical forest–savanna	Site observation & ERA-Interim	Soil temperature and moisture of 2003–2006	Saleska et al. (2013)
5	Eastern Finland (EF)	27°14 E/63°9' N	Boreal grassland	Site observation & ERA-Interim	CO flux of April–November 2011	Pihlatie et.al. (2016)
6	Viterbo, Italy (VI)	11°55' E/42°22' N	Mediterranean grassland	Site observation & ERA-Interim	CO flux of August 2013	van Asperen et al. (2015)
7	Brasilia, Brazil (BB)	47°51' W/15°56' S	Tropical savanna	Site observation & CRU	CO flux of October 1999 to July 2001	Varella et al. (2004)
8	Orange County, North Carolina (OC)	79°7' W/35°58' N	Temperate coniferous forest	AMF_US-Dk3 2002–2003	CO flux of March 2002 to March 2003	Fisher (2003)
9	Tsukuba Science City, Japan (TSC)	140°7' E/36°01' N	Temperate mixed forest	Site observation & ERA-Interim	CO flux of July 1996 to September 1997	Yonemura et al. (2000)
10	Manitoba, Canada (CBS)	96°44' W/56°09' N	Boreal pine forest	Site observation & AMF_CA-Man	CO flux of June–August 1994	Kuhlbusch et al. (1998)
11	Scotland, UK (SUK)	3°12' W/55°51' N	Temperate deciduous forests	ERA-Interim 1995	CO flux of 1995	Moxley and Smith (1998)
12	Alaska, USA (AUS)	147°41' W/64°52' N	Boreal wetland	CRU 1991	CO flux of lab experiment, 1991	Funk et al. (1994)
13	Guayana Shield, Bolivar State, Venezuela (GBV)	62°57' W/7°51' N	Tropical semi- deciduous forest	CRU 1985	CO flux of lab experiment, 1985	Scharffe et al. (1990)