**Table**  Main site characteristics, climatic indexes, and studied periods of flux sites used in this analysis. All the data gathered from www.fluxdata.org.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Site name | Veg1 | Lat2 | Lon3 | | Clim4 | | Period | Ref5 |
| AT-Neu | GRA | 47.12 | 11.32 | | TEM | | 2002-2008 | ([Wohlfahrt *et al.*, 2008](#_ENREF_98)) |
| AU-How | SAV | -12.49 | 131.15 | | TRO | | 2001-2006 | ([Eamus *et al.*, 2001](#_ENREF_24)) |
| AU-Tum | EBF | -35.65 | 148.15 | | TEM | | 2001-2006 | ([van Gorsel *et al.*, 2008](#_ENREF_94)) |
| BE-Bra | MF | 51.31 | 4.52 | | TEM | | 1997-2009 | ([Gielen *et al.*, 2010](#_ENREF_31)) |
| BE-Jal | MF | 50.56 | 6.07 | | TEM | | 2006-2007 | -- |
| BE-Lon | CRO | 50.55 | 4.74 | | TEM | | 2004-2006 | ([Moureaux *et al.*, 2006](#_ENREF_65)) |
| BE-Vie | MF | 50.31 | 6.00 | | TEM | | 1997-2007 | ([Aubinet *et al.*, 2001](#_ENREF_4)) |
| BR-Sa1 | EBF | -2.86 | -54.96 | | TRO | | 2002-2004 | ([Saleska *et al.*, 2003](#_ENREF_81)) |
| BW-Ma1 | SAV | -19.92 | 23.56 | | TEM | | 1999-2001 | ([Veenendaal *et al.*, 2004](#_ENREF_95)) |
| CA-Ca1 | ENF | 49.87 | -125.33 | | TEM | | 1998-2006 | ([Humphreys *et al.*, 2006](#_ENREF_45)) |
| CA-Ca2 | ENF | 49.87 | -125.29 | TEM | | 2000-2005 | | ([Chen *et al.*, 2006](#_ENREF_10)) |  |
| CA-Ca3 | ENF | 49.53 | -124.9 | TEM | | 2001-2005 | | ([Chen *et al.*, 2006](#_ENREF_10)) |  |
| CA-Gro | MF | 48.22 | -82.16 | | TEM | | 2004-2006 | ([McCaughey *et al.*, 2006](#_ENREF_60)) |
| CA-Let | GRA | 49.71 | -112.94 | TEM | | 1998-2005 | | ([Flanagan *et al.*, 2002](#_ENREF_28)) |  |
| CA-Man | ENF | 55.88 | -98.48 | | BOR | | 1994-2006 | ([Dunn *et al.*, 2007](#_ENREF_23)) |
| CA-Mer | WET | 45.41 | -75.52 | | TEM | | 1999-2005 | ([Lafleur *et al.*, 2003](#_ENREF_52)) |
| CA-NS1 | ENF | 55.88 | -98.48 | | BOR | | 2001-2005 | ([Goulden *et al.*, 2006](#_ENREF_36)) |
| CA-NS2 | ENF | 55.91 | -98.52 | | BOR | | 2001-2005 | ([Goulden *et al.*, 2006](#_ENREF_36)) |
| CA-NS3 | ENF | 55.91 | -98.38 | | BOR | | 2001-2005 | ([Goulden *et al.*, 2006](#_ENREF_36)) |  |
| CA-NS5 | ENF | 55.86 | -98.49 | | BOR | | 2001-2005 | ([Goulden *et al.*, 2006](#_ENREF_36)) |
| CA-NS6 | ENF | 55.92 | -98.96 | | BOR | | 2001-2005 | ([Goulden *et al.*, 2006](#_ENREF_36)) |
| CA-NS7 | OSH | 56.64 | -99.95 | | BOR | | 2002-2005 | ([Goulden *et al.*, 2006](#_ENREF_36)) |  |
| CA-Oas | DBF | 53.63 | -106.2 | | BOR | | 1997-2006 | ([Black *et al.*, 2000](#_ENREF_7)) |
| CA-Obs | ENF | 53.99 | -105.12 | | BOR | | 2000-2006 | ([Bergeron *et al.*, 2007](#_ENREF_6)) |
| CA-Ojp | ENF | 53.92 | -104.69 | | BOR | | 2000-2006 | ([Howard *et al.*, 2004](#_ENREF_44)) |
| CA-Qcu | ENF | 49.27 | -74.04 | | BOR | | 2001-2006 | ([Giasson *et al.*, 2006](#_ENREF_30)) |  |
| CA-Qfo | ENF | 49.69 | -74.34 | | BOR | | 2003-2006 | ([Giasson *et al.*, 2006](#_ENREF_30)) |  |
| CA-SF1 | ENF | 54.49 | -10.82 | | BOR | | 2003-2005 | ([Zha *et al.*, 2009](#_ENREF_101)) |
| CA-SF2 | ENF | 54.25 | -105.88 | | BOR | | 2003-2005 | ([Zha *et al.*, 2009](#_ENREF_101)) |
| CA-SF3 | ENF | 54.09 | -106.01 | | BOR | | 2003-2005 | ([Zha *et al.*, 2009](#_ENREF_101)) |
| CA-TP1 | ENF | 42.66 | -80.56 | | TEM | | 2003-2007 | ([Peichl & Arain, 2006](#_ENREF_70)) |
| CA-TP4 | ENF | 42.71 | -80.36 | | TEM | | 2002-2007 | ([Peichl & Arain, 2006](#_ENREF_70)) |
| CA-WP1 | MF | 54.95 | -112.47 | | BOR | | 2004-2007 | ([Syed *et al.*, 2006](#_ENREF_88)) |
| CH-Lae | MF | 47.47 | 8.33 | | TEM | | 2004-2008 | -- |
| CH-Oe1 | GRA | 47.29 | 7.73 | | TEM | | 2002-2003 | ([Ammann *et al.*, 2007](#_ENREF_1)) |
| CN-Anh | DBF | 33 | 117 | TEM | | 2005-2006 | | -- |  |
| CN-Cha | MF | 42.4 | 128.1 | TEM | | 2003 | | ([Guan *et al.*, 2006](#_ENREF_40)) |  |
| CN-Do1 | WET | 31.52 | 121.96 | SUBT | | 2005 | | ([Chen *et al.*, 2004](#_ENREF_12)) |  |
| CN-Do2 | WET | 31.58 | 121.9 | SUBT | | 2005 | | ([Chen *et al.*, 2004](#_ENREF_12)) |  |
| CN-Do3 | WET | 31.52 | 121.97 | SUBT | | 2005 | | ([Chen *et al.*, 2004](#_ENREF_12)) |  |
| CN-Du1 | CRO | 42.05 | 116.67 | TEM | | 2005-2006 | | ([Chen *et al.*, 2009](#_ENREF_11)) |  |
| CN-Hny | DBF | 29.31 | 112.51 | TEM | | 2005-2006 | | -- |  |
| CN-Ku1 | EBF | 40.54 | 108.69 | TEM | | 2005-2006 | | ([Wilske *et al.*, 2009](#_ENREF_97)) |  |
| CN-Xfs | GRA | 44.13 | 116.33 | TEM | | 2004-2006 | | ([Chen *et al.*, 2009](#_ENREF_11)) |  |
| CZ-Bk1 | ENF | 49.5 | 18.54 | | TEM | | 2000-2008 | ([Reichstein *et al.*, 2005](#_ENREF_76)) |
| DE-Bay | ENF | 50.14 | 11.87 | | TEM | | 1997-1999 | ([Valentini *et al.*, 2000](#_ENREF_92)) |
| DE-Geb | CRO | 51.1 | 10.91 | | TEM | | 2004-2006 | ([Anthoni *et al.*, 2004](#_ENREF_2)) |  |
| DE-Gri | GRA | 50.95 | 13.51 | | TEM | | 2005-2006 | ([Gilmanov *et al.*, 2007](#_ENREF_32)) |  |
| DE-Hai | DBF | 51.08 | 10.45 | | TEM | | 2000-2007 | ([Knohl *et al.*, 2003](#_ENREF_50)) |
| DE-Har | DBF | 47.93 | 7.6 | | TEM | | 2005-2006 | ([Chen *et al.*, 2010](#_ENREF_9)) |  |
| DE-Kli | CRO | 50.89 | 13.52 | | TEM | | 2004-2006 | ([Chen *et al.*, 2010](#_ENREF_9)) |  |
| DE-Meh | GRA | 51.27 | 10.65 | | TEM | | 2003-2006 | ([Don *et al.*, 2009](#_ENREF_21)) |
| DE-Tha | ENF | 50.96 | 13.57 | | TEM | | 1997-2009 | ([Arain & Restrepo-Coupe, 2005](#_ENREF_3)) |
| DE-Wet | ENF | 50.45 | 11.46 | | TEM | | 2002-2008 | ([Rebmann *et al.*, 2010](#_ENREF_75)) |
| DK-Eng | GRA | 55.7 | 12.2 | | TEM | | 2005-2007 | -- |
| DK-Lva | GRA | 55.68 | 12.08 | | TEM | | 2004-2008 | ([Gilmanov *et al.*, 2007](#_ENREF_32)) |
| DK-Ris | CRO | 55.53 | 12.1 | | TEM | | 2004-2005 | ([Chen *et al.*, 2010](#_ENREF_9)) |  |
| DK-Sor | DBF | 55.49 | 11.65 | | TEM | | 1997-2007 | ([Pilegaard *et al.*, 2003](#_ENREF_71)) |
| ES-Es1 | ENF | 39.35 | -0.32 | | SUBT | | 1999-2003 | ([Reichstein *et al.*, 2005](#_ENREF_76)) |
| ES-Es2 | CRO | 39.2755 | -0.32 | | SUBT | | 2004-2006 | ([Chen *et al.*, 2010](#_ENREF_9)) |  |
| ES-Lma | SAV | 39.9415 | -5.77 | | SUBT | | 2004-2006 | ([Yi *et al.*, 2010](#_ENREF_100)) |  |
| ES-Vda | ENF | 39.35 | -0.32 | | SUBT | | 2004-2006 | ([Migliavacca *et al.*, 2011](#_ENREF_62)) |  |
| FI-Hyy | ENF | 61.85 | 24.29 | | BOR | | 1997-2005 | ([Suni *et al.*, 2003](#_ENREF_87)) |
| FI-Sod | ENF | 67.36 | 26.64 | | BOR | | 2000-2003 | ([Suni *et al.*, 2003](#_ENREF_87)) |
| FR-Fon | DBF | 48.48 | 2.78 | | TEM | | 2005-2006 | ([Migliavacca *et al.*, 2011](#_ENREF_62)) |  |
| FR-Gri | CRO | 48.84 | 1.95 | | TEM | | 2005-2006 | ([Migliavacca *et al.*, 2011](#_ENREF_62)) |  |
| FR-Hes | DBF | 48.67 | 7.06 | | TEM | | 1997-2008 | ([Granier *et al.*, 2000](#_ENREF_37)) |
| FR-Lbr | ENF | 44.72 | -0.77 | | TEM | | 1996-2003 | ([Berbigier *et al.*, 2001](#_ENREF_5)) |
| FR-Lq1 | GRA | 45.64 | 2.74 | | TEM | | 2004-2009 | ([Gilmanov *et al.*, 2007](#_ENREF_32)) |
| FR-Lq2 | GRA | 45.64 | 2.74 | | TEM | | 2004-2009 | ([Gilmanov *et al.*, 2007](#_ENREF_32)) |
| FR-Pue | EBF | 43.74 | 3.59 | | SUBT | | 2000-2008 | ([Rambal *et al.*, 2004](#_ENREF_73)) |
| Hu-Mat | GRA | 47.85 | 19.73 | | TEM | | 2004-2008 | ([Pinter *et al.*, 2008](#_ENREF_72)) |
| ID-Pag | EBF | -2.35 | 114.04 | | TRO | | 2002-2003 | ([Hirano *et al.*, 2007](#_ENREF_42)) |
| IE-Ca2 | GRA | 52.87 | -6.90 | | TEM | | 2002-2003 | ([Gilmanov *et al.*, 2007](#_ENREF_32)) |
| IE-Dri | GRA | 51.99 | -8.75 | | TEM | | 2003-2004 | ([Jaksic *et al.*, 2006](#_ENREF_47)) |
| IT-Amp | GRA | 41.9 | 13.61 | | SUBT | | 2002-2008 | ([Gilmanov *et al.*, 2007](#_ENREF_32)) |
| IT-Bci | CRO | 40.52 | 14.96 | | SUBT | | 2004-2006 | ([Migliavacca *et al.*, 2011](#_ENREF_62)) |  |
| IT-Bon | ENF | 39.48 | 16.53 | | SUBT | | 2005-2007 | -- |
| IT-Col | DBF | 41.85 | 13.59 | | SUBT | | 1997-2007 | ([Van Dijk & Dolman, 2004](#_ENREF_93)) |
| IT-Cpz | EBF | 41.71 | 12.38 | | SUBT | | 1997/2000-2006 | ([Garbulsky *et al.*, 2008](#_ENREF_29)) |
| IT-Lav | ENF | 45.95 | 11.28 | | TEM | | 2000-2002 | ([Marcolla *et al.*, 2003](#_ENREF_59)) |
| IT-Lec | EBF | 43.3 | 11.27 | | SUBT | | 2005-2006 | ([Groenendijk *et al.*, 2011](#_ENREF_38)) |  |
| IT-Lma | GRA | 45.58 | 7.15 | | TEM | | 2003-2007 | -- |
| IT-Mal | GRA | 46.12 | 11.70 | | TEM | | 2003-2006 | ([Gilmanov *et al.*, 2007](#_ENREF_32)) |
| IT-Mbo | GRA | 46.02 | 11.05 | | TEM | | 2003-2006 | ([Migliavacca *et al.*, 2009](#_ENREF_61)) |
| IT-Non | DBF | 44.69 | 11.09 | | SUBT | | 2001-2003 | ([Reichstein *et al.*, 2005](#_ENREF_76)) |
| IT-Pia | SHR | 42.58 | 10.08 | | SUBT | | 2002-2003 | ([Reichstein *et al.*, 2005](#_ENREF_76)) |
| IT-Pt1 | DBF | 45.2 | 9.06 | | SUBT | | 2002-2004 | ([Migliavacca *et al.*, 2009](#_ENREF_61)) |
| IT-Ren | ENF | 46.59 | 11.43 | | TEM | | 1999-2009 | ([Montagnani *et al.*, 2009](#_ENREF_64)) |
| IT-Ro1 | DBF | 42.41 | 11.93 | | SUBT | | 2000-2006 | ([Rey *et al.*, 2002](#_ENREF_78)) |
| IT-Ro2 | DBF | 42.39 | 11.92 | | SUBT | | 2002-2006 | ([Tedeschi *et al.*, 2006](#_ENREF_90)) |
| IT-Sro | ENF | 43.73 | 10.28 | | SUBT | | 1999-2003 | ([Chiesi *et al.*, 2005](#_ENREF_14)) |
| IT-Vig | DBF | 45.32 | 8.85 | SUBT | | 2004-2005 | | -- |  |
| JP-Tef | ENF | 45.06 | 142.11 | TEM | | 202001-2002/2004-2005 | | ([Migliavacca *et al.*, 2011](#_ENREF_62)) |  |
| JP-Tom | MF | 42.74 | 141.52 | TEM | | 2004-2006 | | ([Groenendijk *et al.*, 2011](#_ENREF_38)) |  |
| KR-Hnm | DBF | 34.55 | 126.57 | TEM | | 2004-2006 | | -- |  |
| KR-Kw1 | ENF | 37.75 | 127.16 | TEM | | 2004-2007 | | ([Kang *et al.*, 2003](#_ENREF_49)) |  |
| NL-Cal | GRA | 51.97 | 4.93 | | TEM | | 2003-2006 | *(*[*Gilmanov et al., 2007*](#_ENREF_32)*)* |
| NL-Hor | GRA | 52.03 | 5.07 | | TEM | | 2004-2006 | ([Jacobs *et al.*, 2007](#_ENREF_46)) |
| NL-Loo | ENF | 52.17 | 5.74 | | TEM | | 1997-2006 | ([Dolman *et al.*, 2002](#_ENREF_20)) |
| PL-Wet | WET | 52.76 | 16.31 | | TEM | | 2004-2005/2007 | ([Chojnicki *et al.*, 2007](#_ENREF_15)) |
| PT-Mi1 | EBF | 38.54 | -8.00 | | SUBT | | 2003-2008 | ([Reichstein *et al.*, 2003](#_ENREF_77)) |
| PT-Mi2 | GRA | 38.48 | -8.02 | | SUBT | | 2004-2006 | ([Yi *et al.*, 2010](#_ENREF_100)) |  |
| RU-Fyo | ENF | 56.46 | 32.92 | | TEM | | 1998-2009 | ([Kurbatova *et al.*, 2008](#_ENREF_51)) |
| RU-Ha1 | GRA | 54.73 | 90 | | BOR | | 2002-2004 | ([Chevallier *et al.*, 2006](#_ENREF_13)) |  |
| RU-Zot | ENF | 60.80 | 89.35 | | BOR | | 2002-2004 | ([Tanja *et al.*, 2003](#_ENREF_89)) |  |
| SE-Deg | WET | 64.18 | 19.55 | | BOR | | 2001-2005 | ([Chevallier *et al.*, 2006](#_ENREF_13)) |  |
| SE-Faj | ENF | 56.26 | 13.55 | | TEM | | 2005-2006 | ([Lund *et al.*, 2007](#_ENREF_56)) |
| SE-Fla | ENF | 64.11 | 19.46 | | BOR | | 1996-1998/  2000-2002 | ([Lindroth *et al.*, 2008](#_ENREF_54)) |
| UK-Amo | GRA | 55.79 | -3.24 | | TEM | | 2005 | -- |
| UK-Ebu | GRA | 55.87 | -3.21 | | TEM | | 2004-2008 | ([Yi *et al.*, 2010](#_ENREF_100)) |
| UK-Esa | CRO | 55.91 | -2.86 | | TEM | | 2003-2005 | ([Groenendijk *et al.*, 2011](#_ENREF_38)) |  |
| UK-Gri | ENF | 56.61 | -3.80 | | TEM | | 1998-2006 | ([Rebmann *et al.*, 2005](#_ENREF_74)) |
| UK-Ham | DBF | 51.12 | -0.86 | | TEM | | 2004-2005 | -- |
| UK-PL3 | DBF | 51.45 | -1.27 | | TEM | | 2005-2008 | -- |
| US-Arb | GRA | 35.55 | -98.04 | | TEM | | 2005-2006 | ([Migliavacca *et al.*, 2011](#_ENREF_62)) |  |
| US-Arc | GRA | 36.93 | -96.68 | | SUBT | | 1998-1999 | ([Yi *et al.*, 2010](#_ENREF_100)) |
| US-Arm | CRO | 36.61 | -97.49 | | SUBT | | 2003-2005 | ([Fischer *et al.*, 2007](#_ENREF_27)) |  |
| US-Aud | GRA | 31.59 | -110.51 | | DRY | | 2002-2006 | ([Yi *et al.*, 2010](#_ENREF_100)) |
| US-Bar | DBF | 44.06 | -71.29 | | TEM | | 2004-2006 | ([Jenkins *et al.*, 2007](#_ENREF_48)) |
| US-Bkg | GRA | 44.35 | -96.84 | | TEM | | 2006 | ([Gilmanov *et al.*, 2005](#_ENREF_33)) |
| US-Blo | ENF | 38.9 | -120.63 | | TEM | | 1998-2006 | ([Goldstein *et al.*, 2000](#_ENREF_34)) |
| US-Bn1 | ENF | 63.92 | -145.38 | BOR | | 2003 | | -- |  |
| US-Bn2 | ENF | 63.92 | -145.38 | BOR | | 2003 | | -- |  |
| US-Bo1 | CRO | 40.01 | -88.29 | TEM | | 1998-2006 | | ([Migliavacca *et al.*, 2011](#_ENREF_62)) |  |
| US-Bo2 | CRO | 40.01 | -88.29 | TEM | | 2004-2006 | | ([Migliavacca *et al.*, 2011](#_ENREF_62)) |  |
| US-Cav | GRA | 39.06 | -79.42 | TEM | | 2004-2005 | | ([Groenendijk *et al.*, 2011](#_ENREF_38)) |  |
| US-Dk1 | GRA | 35.97 | -79.09 | SUBT | | 2001-2005 | | ([Oren *et al.*, 2006](#_ENREF_68)) |  |
| US-Dk2 | DBF | 35.97 | -79.1 | | SUBT | | 2001-2005 | ([Pataki & Oren, 2003](#_ENREF_69)) |
| US-Dk3 | ENF | 35.98 | -79.09 | | SUBT | | 1998-2005 | ([Pataki & Oren, 2003](#_ENREF_69)) |
| US-Fmf | ENF | 35.14 | -111.73 | | TEM | | 2005-2006 | ([Dore *et al.*, 2008](#_ENREF_22)) |
| US-FPe | GRA | 48.31 | -105.1 | | DRY | | 2000-2006 | ([Yi *et al.*, 2010](#_ENREF_100)) |
| US-FR2 | SAV | 29.95 | -98.00 | | SUBT | | 2005-2006 | ([Heinsch *et al.*, 2004](#_ENREF_41)) |
| US-Fuf | ENF | 35.09 | -111.76 | | TEM | | 2005-2006 | ([Dore *et al.*, 2008](#_ENREF_22)) |
| US-Fwf | ENF | 35.45 | -111.77 | | TEM | | 2005-2006 | ([Dore *et al.*, 2008](#_ENREF_22)) |
| US-Goo | GRA | 34.25 | -89.87 | | SUBT | | 2004-2006 | ([Yi *et al.*, 2010](#_ENREF_100)) |
| US-Ha1 | DBF | 43.54 | -72.17 | | TEM | | 1992-1994, 1996-2006 | ([Urbanski *et al.*, 2007](#_ENREF_91)) |
| US-Ho1 | ENF | 45.2 | -68.74 | | TEM | | 1996-2004 | ([Hollinger *et al.*, 2004](#_ENREF_43)) |
| US-Ho2 | ENF | 45.21 | -68.75 | | TEM | | 1999-2004 | ([Oren *et al.*, 2006](#_ENREF_68)) |  |
| US-IB2 | GRA | 41.84 | -88.24 | | TEM | | 2004-2007 | ([Hollinger *et al.*, 2004](#_ENREF_43)) |
| US-Ivo | WET | 68.49 | -155.75 | | BOR | | 2003-2006 | ([Epstein *et al.*, 2004](#_ENREF_25)) |  |
| US-Ks2 | ENF | 28.46 | -80.67 | | SUBT | | 2002-2006 | ([Li *et al.*, 2003](#_ENREF_53)) |  |
| US-Los | WET | 46.08 | -89.98 | | TEM | | 2000-2006 | ([Sulman *et al.*, 2009](#_ENREF_85)) |
| US-LPH | DBF | 42.54 | -72.19 | | TEM | | 2003-2004 | ([Borken *et al.*, 2006](#_ENREF_8)) |
| US-Me1 | ENF | 44.58 | -121.5 | | SUBT | | 1999-2002 | ([Sun *et al.*, 2004](#_ENREF_86)) |
| US-Me2 | ENF | 44.45 | -121.55 | | SUBT | | 2002-2007 | ([Sun *et al.*, 2004](#_ENREF_86)) |
| US-Me3 | ENF | 44.32 | -121.61 | | SUBT | | 2004-2005 | ([Sun *et al.*, 2004](#_ENREF_86)) |
| US-Me4 | ENF | 44.5 | -121.62 | | SUBT | | 1999-2000 | ([Sun *et al.*, 2004](#_ENREF_86)) |
| US-MMS | DBF | 39.32 | -86.41 | | SUBT | | 1999-2006 | ([Schmid *et al.*, 2000](#_ENREF_82)) |
| US-Moz | DBF | 38.74 | -92.20 | | SUBT | | 2004-2007 | ([Gu *et al.*, 2006](#_ENREF_39)) |
| US-NC2 | ENF | 35.8 | -76.67 | | SUBT | | 2005-2006 | ([Noormets *et al.*, 2010](#_ENREF_67)) |
| US-Ne1 | CRO | 41.17 | -96.48 | | TEM | | 2001-2005 | ([Richardson *et al.*, 2006](#_ENREF_80)) |  |
| US-Ne2 | CRO | 41.16 | -96.47 | | TEM | | 2002-2005 | ([Richardson *et al.*, 2006](#_ENREF_80)) |  |
| US-Ne3 | CRO | 41.18 | -96.44 | | TEM | | 2001-2005 | ([Richardson *et al.*, 2006](#_ENREF_80)) |  |
| US-NR1 | ENF | 40.03 | -105.55 | | BOR | | 1999-2007 | ([Monson *et al.*, 2002](#_ENREF_63)) |
| US-Oho | DBF | 41.55 | -83.84 | | TEM | | 2004-2005 | ([DeForest *et al.*, 2006](#_ENREF_18)) |
| US-Pfa | MF | 45.95 | -90.27 | | TEM | | 1996-2003 | ([Davis *et al.*, 2003](#_ENREF_17)) |
| US-SO2 | SHR | 33.37 | -116.62 | | SUBT | | 1998-2006 | ([Lipson *et al.*, 2005](#_ENREF_55)) |
| US-So3 | SHR | 33.38 | -116.62 | | SUBT | | 1997/2000 | ([Lipson *et al.*, 2005](#_ENREF_55)) |
| US-So4 | SHR | 33.37 | -116.62 | | SUBT | | 2004-2006 | ([Lipson *et al.*, 2005](#_ENREF_55)) |
| US-Sp1 | ENF | 29.74 | -82.22 | SUBT | | 2000-2001/2005 | | ([Migliavacca *et al.*, 2011](#_ENREF_62)) |  |
| US-Sp2 | ENF | 29.76 | -82.24 | SUBT | | 1998-2004 | | ([Migliavacca *et al.*, 2011](#_ENREF_62)) |  |
| US-Sp3 | ENF | 29.75 | -82.16 | SUBT | | 1999-2004 | | ([Migliavacca *et al.*, 2011](#_ENREF_62)) |  |
| US-Srm | WSA | 31.82 | -110.87 | TEM | | 2004-2006 | | ([Scott *et al.*, 2009](#_ENREF_84)) |  |
| US-Syv | MF | 46.24 | -89.35 | | TEM | | 2001-2006 | ([Desai *et al.*, 2005](#_ENREF_19)) |
| US-Ton | SAV | 38.43 | -120.97 | | SUBT | | 2001-2007 | ([Ma *et al.*, 2007](#_ENREF_58)) |
| US-UMB | DBF | 45.56 | -84.71 | | TEM | | 1998-2006 | ([Gough *et al.*, 2008](#_ENREF_35)) |
| US-Var | GRA | 38.41 | -120.95 | | SUBT | | 2001-2007 | ([Xu & Baldocchi, 2004](#_ENREF_99)) |
| US-WCr | DBF | 45.81 | -90.08 | | TEM | | 1998-2006 | ([Cook *et al.*, 2004](#_ENREF_16)) |
| US-Wkg | GRA | 31.74 | -109.94 | | TEM | | 2005-2007 | ([Scott *et al.*, 2010](#_ENREF_83)) |
| US-Wrc | ENF | 45.82 | -121.95 | | TEM | | 1999-2004 | ([Falk *et al.*, 2008](#_ENREF_26)) |
| ZA-Kru | SHR | -25.02 | 31.49 | | SUBT | | 2001-2003 | ([Williams *et al.*, 2009](#_ENREF_96)) |

1Vegetation types: deciduous broadleaf forest (DBF); evergreen broadleaf forest (EBF); evergreen needleleaf forest (ENF); grassland (GRA); mixed deciduous and evergreen needleleaf forest (MF); savanna ecosystem (SAV); shrub ecosystem (SHR); wetland (WET). 2Positive value indicates north latitude. 3Negative value indicates west longitude. 4Climate. 5References.

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