Summary of entries in the Soil Incubation Database

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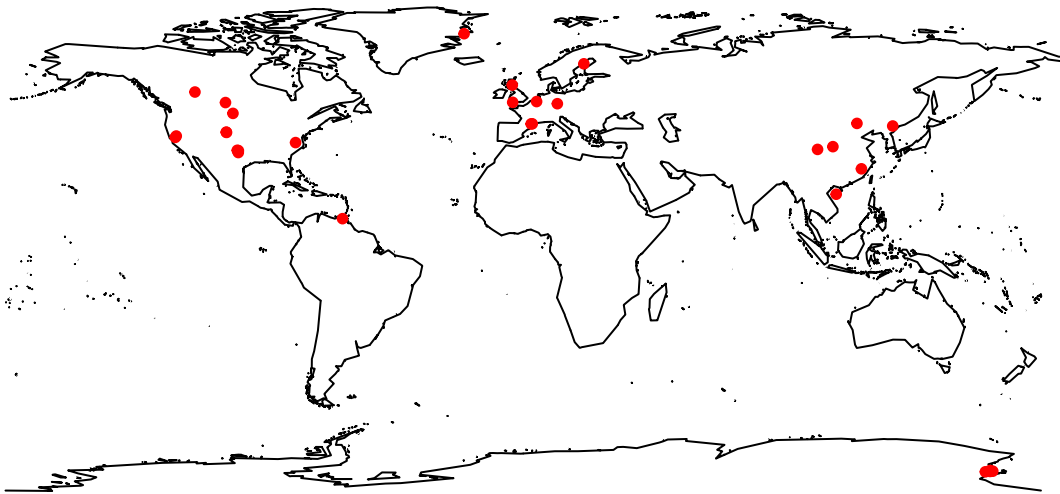
28 August, 2016

Database summary and statistics

This file contains a summary of the data currently available in the soil incubation database **sidb**. Currently, the number of entries in the database is 15. Most entries have multiple time-series of CO2 flux release from incubation experiments. The current total number of time-series is 186, and the total number of datapoints is 2355. The last entry was added on 2016-08-24.
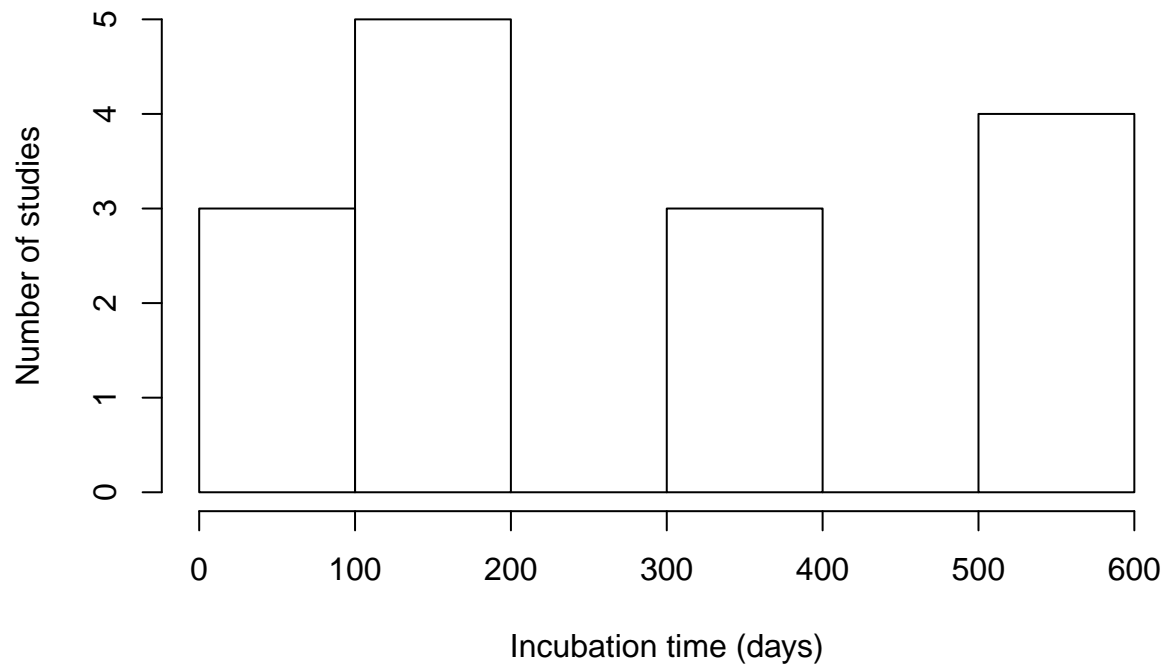
citationKey	doi	entryAuthor	entryCreationDate
Andrews2000SBB	10.1016/S0038-0717(99)00206-0	Heidi Voelkel	2016-04-27
Arevalo2012	10.2136/sssaj2011.0126	Heidi Voelkel	2016-04-27
Barrett2006	10.1016/j.soilbio.2006.03.025	Heidi Voelkel	2016-05-09
Bradford2010	10.1111/j.1365-2486.2009.02040.x	Heidi Voelkel	2016-07-11
Chen2010	10.1016/j.soilbio.2010.08.030	Heidi Voelkel	2016-07-25
Conant2008a	10.1111/j.1365-2486.2008.01541.x	Heidi Voelkel	2016-07-26
Conant2008b	10.1890/08-0137.1	Heidi Voelkel	2016-07-26
CurielYuste2007	10.1111/j.1365-2486.2007.01415.x	Heidi Voelkel	2016-08-02
Dalias2001b	10.1046/j.1365-2486.2001.00386.x	Heidi Voelkel	2016-08-10
Elberling2003	10.1016/S0038-0717(02)00258-4	Heidi Voelkel	2016-08-11
Fang2005	10.1038/nature03135	Heidi Voelkel	2016-08-19
Fissore2009	10.1111/j.1365-2486.2009.01903.x	Heidi Voelkel	2016-08-19
Gillabel2010	10.1111/j.1365-2486.2009.02132.x	Heidi Voelkel	2016-08-23
Grisi1998	10.1016/S0038-0717(98)00016-9	Heidi Voelkel	2016-08-23
Haddix2011	10.2136/sssaj2010.0118	Heidi Voelkel	2016-08-24

Locations for which data are available are presented in the following map

A histogram of the incubation time for all entries can be obtained as

```
hist(incubationTime, xlab="Incubation time (days)", main ="", ylab="Number of studies")
```

Datasets

The file `~/scripts/plotEntry.R` can be used to plot individual entries from the database. For example

```
source("~/sidb/scripts/plotEntry.R")
plotEntry(entry=Andrews2000SBB)
```