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Supplement of

CO₂ efflux from soils with seasonal water repellency

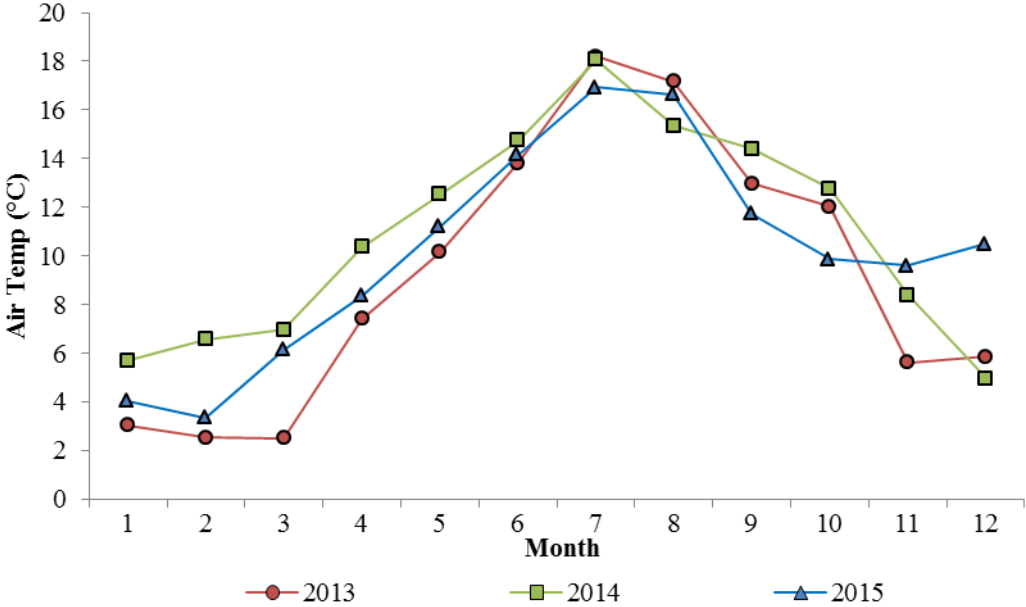
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Month-Year	Min Air Temp (°C)	Max Air Temp (°C)	Mean Air Temp (°C)	Precipitation (mm)
Jan-13	-10.1	14.2	3.0	44.2
Feb-13	-4.1	9.7	2.5	33.6
Mar-13	-5.5	14.9	2.5	48.8
Apr-13	-6.6	21.9	7.4	21.8
May-13	-3.6	21.3	10.2	57.4
Jun-13	0.1	25.5	13.8	23.4
Jul-13	6.4	31.8	18.2	23
Aug-13	3.9	30.7	17.2	46.8
Sep-13	1.0	29.2	13.0	41.8
Oct-13	2.0	20.9	12.0	107.4
Nov-13	-3.3	14.7	5.6	73.6
Dec-13	-3.0	13.8	5.9	47
Total 2013	-10.1	31.8	9.3	568.8
Jan-14	-4.7	12.9	5.7	80.8
Feb-14	-2.7	13.4	6.6	75.2
Mar-14	-3.7	19.9	7.0	21.6
Apr-14	-3.1	19.3	10.4	19.4
May-14	-1.7	23.8	12.5	93.4
Jun-14	3.2	25.0	14.8	61
Jul-14	3.7	29.7	18.1	79.6
Aug-14	2.5	25.9	15.3	86.2
Sep-14	2.1	25.3	14.4	25.4
Oct-14	-0.5	20.9	12.8	60.2
Nov-14	-2.2	21.1	8.4	80.2
Dec-14	-6.2	13.8	5.0	41.2
Total 2014	-6.2	29.7	10.9	724.2
Jan-15	-7.6	14.9	4.1	28
Feb-15	-4.7	11.2	3.3	57.4
Mar-15	-3.9	16.9	6.2	42.8
Apr-15	-2.5	22.0	8.4	19.4
May-15	-3.0	21.4	11.2	58.4
Jun-15	1.8	25.6	14.2	14.2
Jul-15	4.4	33.0	16.9	91.8
Aug-15	3.4	28.8	16.6	74
Sep-15	0.4	21.0	11.7	60.8
Oct-15	-1.4	19.0	9.9	45.4
Nov-15	-3.8	17.5	9.6	82.8
Dec-15	1.1	15.9	10.5	54.4
Total 2015	-12.6	45.0	10.6	629.4

Table S1 Summary of meteorological conditions at the study sites including monthly/yearly minima and maxima of the air temperature, average air temperature and precipitation.



5 **Figure S1:** Air temperature at the study sites during 3 years of measurements (2013-2015). Differently coloured symbols and lines identify each year of the measurement.

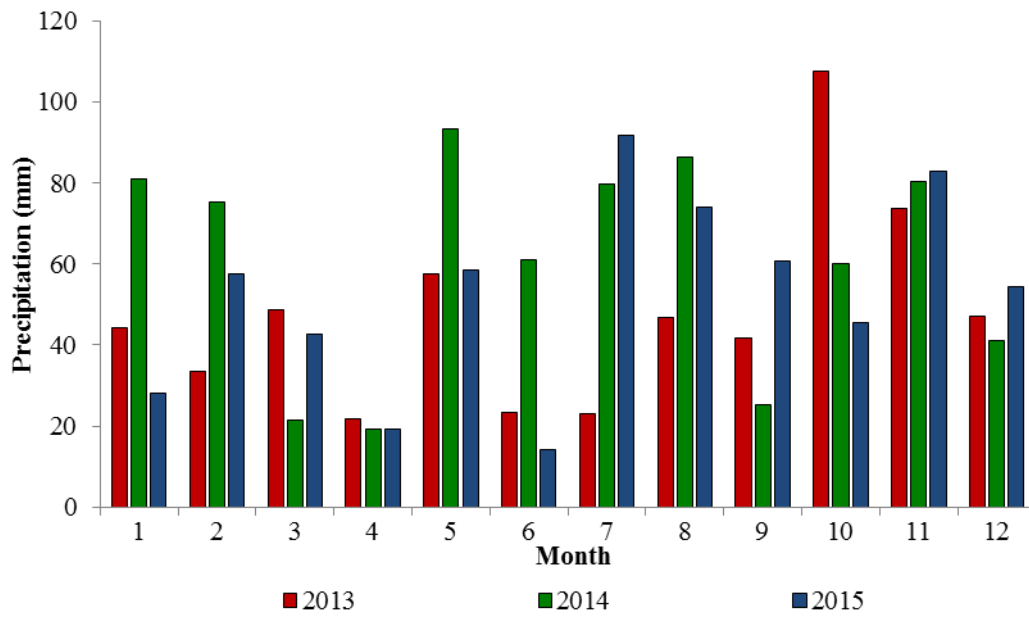


Figure S2: Monthly precipitation at the study sites during 3 years of measurements (2013-2015) Differently coloured bars identify each year of the measurement.