

MS43 Protocol for experimental approaches and interactions

The experiments being conducted under C3 are listed in the Table below. Experimental protocols for operating the exposure facilities used are available from each participant. The protocol for response measurements is provided in MS44.

Site	Bangor, UK			Italy (UNICATT)	Copenhagen, Denmark		Madrid, Spain		FDEA-ART	Edinburgh, UK	CNR, Italy	Germany	
Vegetation	Trees (silver birch)	Coastal grassland	Wheat	Trees (oak spp?)	Machis	Crops (barley, oil seed rape)	Legumes	Mediterranean grassland	Sub-alpine grassland	Ombrotrophic bog (Whim)	Oaks, poplars, wheat	Scots pine, beech, sunflower	
Establishment period/age of vegetation	3 years old	intact mesoc	annual crop	3 years old	mature	annual sown	?	sown	mature	mature	young	-	-
Experimental design	Solardomes	O3 FACE	solardomes	Open-top chambers	Field exposure	Phytothrone	Open-top chambers	Open-top chambers	Field	Field	Controlled Environment Chambers	Controlled Environment	Chambers
Treatments	7 x O3, 4 x Wet N dep, AA + 4 x wet N	O3 x 3 treatments, N gradient	8 x O3	O3, Wet N dep, soil moisture	O3, soil moisture, heat	CO2, ToC, soil moisture, O3	O3, wet N	O3, N dep	O3, N dep	Wet and dry, NOx/NHy dep, O3	BVOCs, O3, NO, ToC, water, CO2, aerosol	Aerosol dep on gsto	
Year	2012, 2013	2014, 2015	2014, 2015	2012, 2013	2012, 2013	2011	2012, 2013	2012, 2013	2012, 2013	2013, 2014	2011	2011	
Model simulation	DO3SE	DO3SE		DO3SE	DO3SE, VSD-N14C-MM, DNDC mobile, VSD+	DO3SE	DO3SE	DO3SE	DO3SE, VSD-N14C-MM, DNDC mobile, VSD+	DO3SE, VSD-N14C-MM, DNDC mobile, VSD+	DO3SE	DO3SE	