

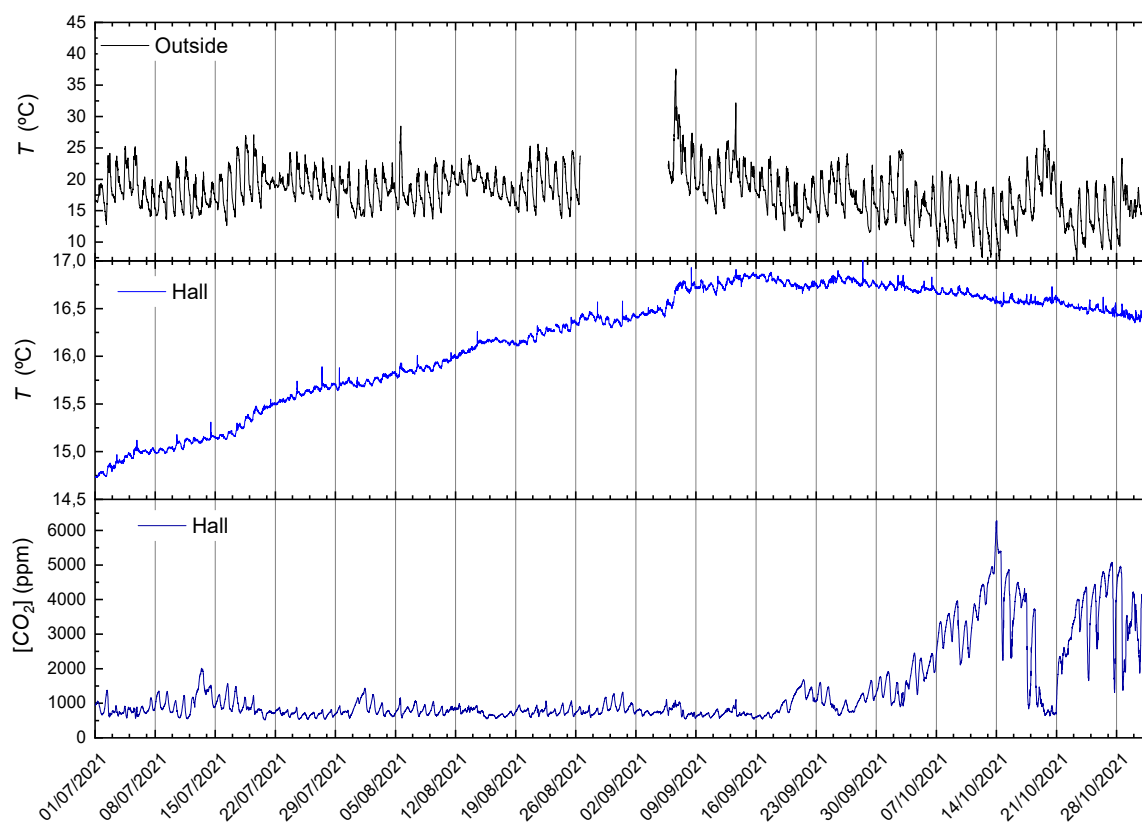


Figure S1. Outdoor temperature, temperature at the Hall and CO_2 concentration at the Crossing in the period July-November 2021.

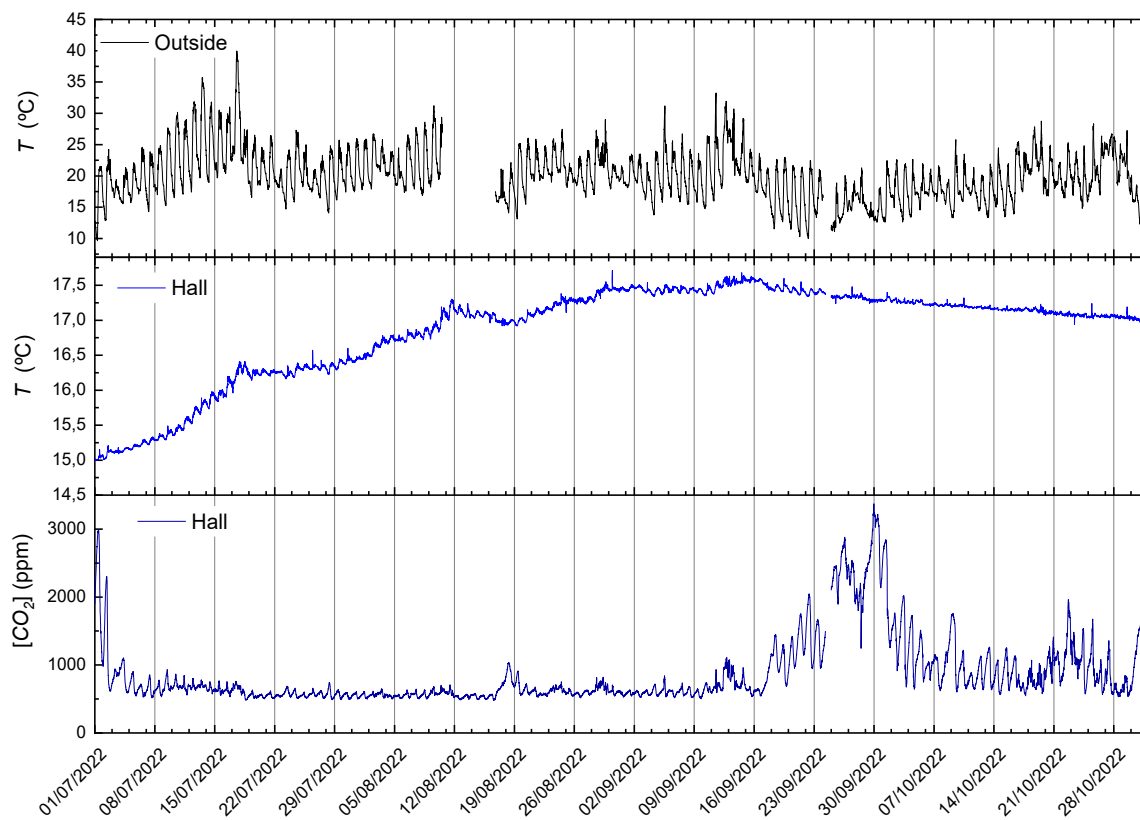


Figure S2. Outdoor temperature, temperature at the Hall and CO_2 concentration at the Crossing in the period July-November 2022.

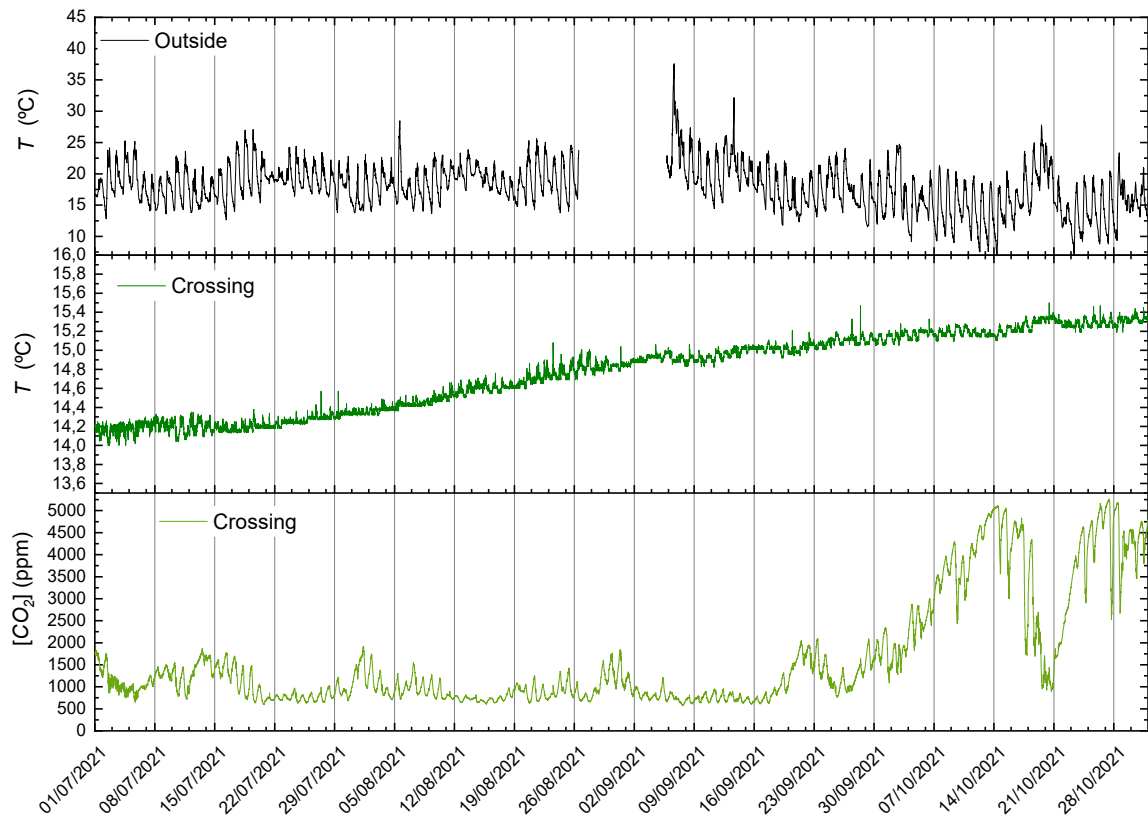


Figure S3. Outdoor temperature, temperature at the Crossing and CO_2 concentration at the Crossing in the period July-November 2021.

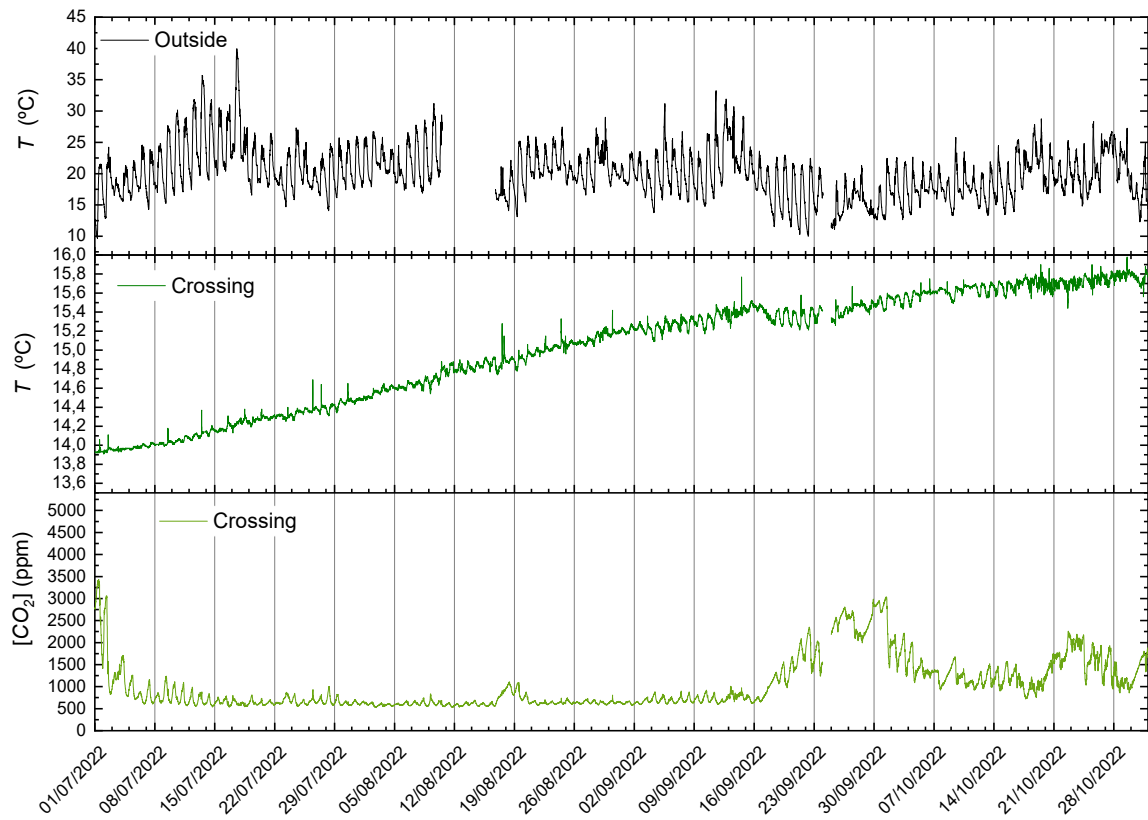


Figure S4. Outdoor temperature, temperature at the Crossing and CO_2 concentration at the Crossing in the period July-November 2022.

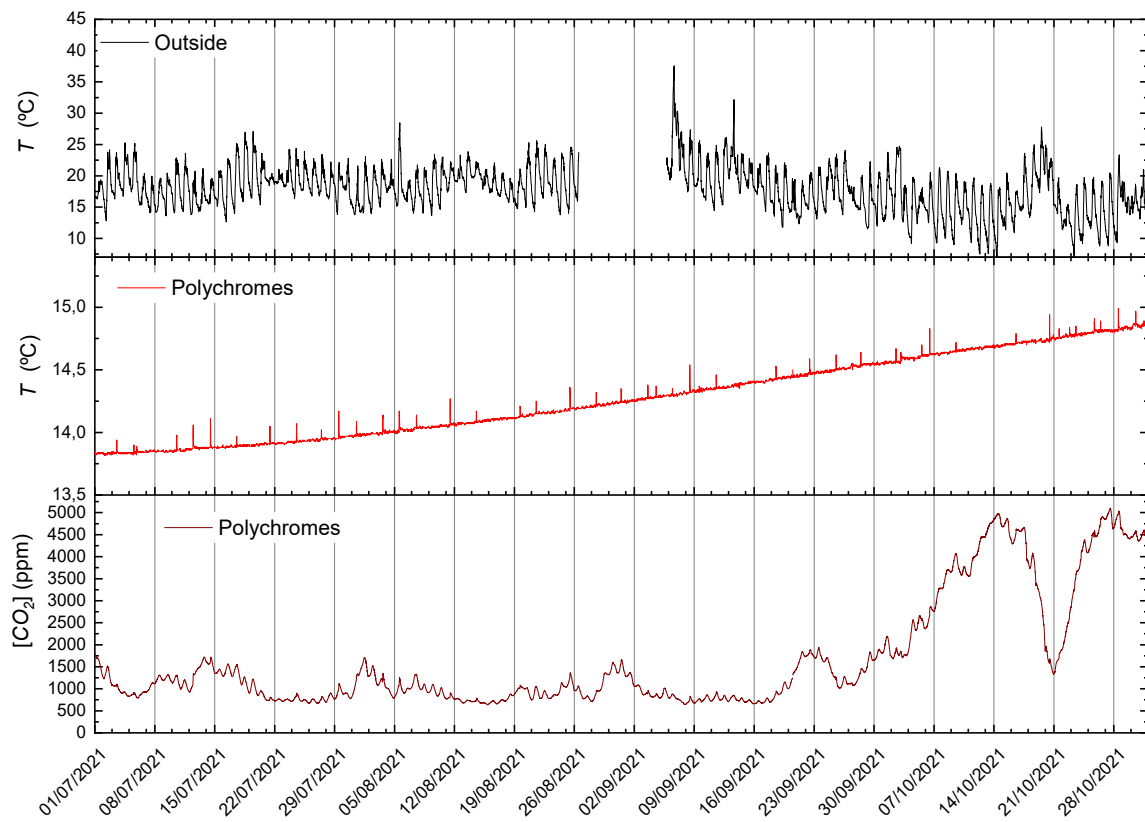


Figure S5. Outdoor temperature, temperature at the Polychromes Room and CO_2 concentration at the Crossing in the period July-November 2021.

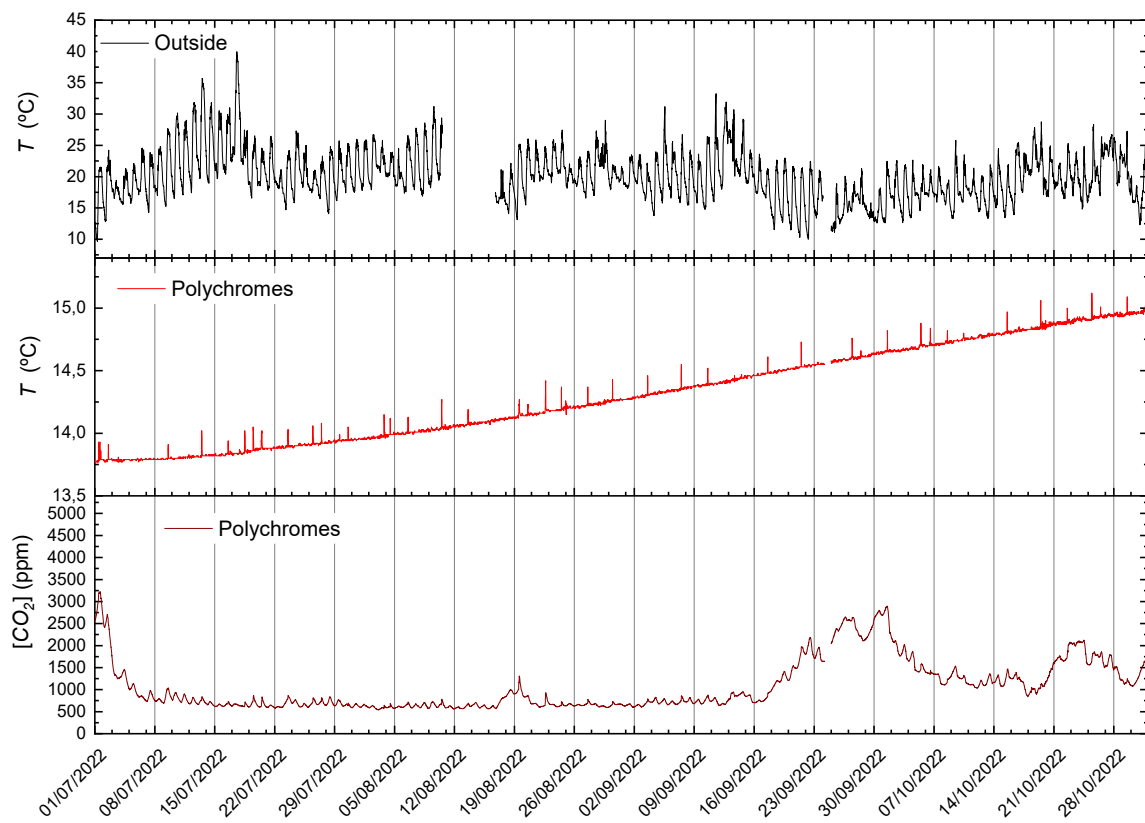


Figure S6. Outdoor temperature, temperature at the Polychromes Room and CO_2 concentration at the Crossing in the period July-November 2022.

Table S1. Pearson correlation coefficients between the outside temperature (out.) and each of the rooms Hall, Crossing and Polychromes Room, as well as the correlation of the rooms with each other. Correlations that are not significant ($p>0.01$) are marked with an asterisk.

Week [year]	r T(Hall-out.)	r T(Pas.-out.)	r T(Poly.-out.)	r T(Pas.-Hall)	r T(Pas.-Poly.)	r T(Hall-Poly.)
0 [2021]	-0.03*	-0.27	0.09*	0.28	-0.03*	-0.08*
1 [2021]	0.48	0.18*	-0.01*	-0.48	0.13*	-0.24
2 [2021]	-0.29	0.34	-0.08*	0.32	0.08*	0.20*
3 [2021]	0.50	-0.32	0.16*	0.28	0.03*	0.31
4 [2021]	0.79	-0.29	0.30	0.02*	0.09*	0.30
5 [2021]	0.46	-0.71	0.04*	-0.55	-0.21	0.61
6 [2021]	0.76	-0.57	0.24	-0.44	-0.02*	0.31
7 [2021]	0.18	0.27	0.06*	0.47	0.24	0.70
8 [2021]	0.27	-0.31	-0.21*	0.52	0.44	0.52
9 [2021]	0.38	0.10*	0.26	0.81	0.53	0.69
10 [2021]	0.45	0.48	0.28	0.90	0.68	0.77
11 [2021]	0.79	0.70	0.41	0.80	0.70	0.69
12 [2021]	0.65	0.73	0.18*	0.71	0.37	0.56
13 [2021]				-0.56*	0.13*	-0.06*
14 [2021]	0.31	0.27	-0.32	0.22*	0.26	0.38
15 [2021]	0.60	0.26	-0.55	0.65	0.27	-0.30
16 [2021]	0.79	0.78	0.44	0.83	0.66	0.58
17 [2021]	0.48	0.51	0.09*	0.27	0.43	-0.13*
18 [2021]	0.57	0.74	0.06*	0.44	0.36	-0.23
19 [2021]	-0.01*	0.76	0.32	-0.14*	0.51	-0.54
20 [2021]	0.55	0.71	-0.52	0.39	-0.15*	-0.59
21 [2021]	-0.05*	0.68	0.33	-0.17*	0.46	-0.49
0 [2022]	0.48		-0.01*			0.10*
1 [2022]	0.12*		0.07*			0.12*
2 [2022]	0.14*		-0.16*			0.10*
3 [2022]	0.43	0.02*	0.27	0.53	0.44	0.47*
4 [2022]	0.68	0.45	0.37	0.78	0.52	0.39
5 [2022]	0.66	0.70	0.43	0.96	0.61	0.58
6 [2022]	0.51	0.54	0.31	0.97	0.65	0.61
7 [2022]	0.67	0.15*	0.01*	0.48	0.47	0.09*
8 [2021]	0.67	0.60	0.26	0.95	0.69	0.59
9 [2022]	0.20*	0.24	0.05*	0.99	0.77	0.76
10 [2022]	0.68	0.67	0.22*	0.96	0.50	0.49
11 [2022]	0.75	0.68	0.65	0.72	0.54	0.57
12 [2022]	0.23	0.35	0.07*	0.93	0.61	0.59
13 [2022]	0.66	0.44	-0.37	0.66	0.36	-0.23
14 [2022]	0.77	0.68	0.07*	0.82	0.44	0.04*
15 [2022]	0.81	0.26	-0.38	0.81	-0.02*	-0.38
16 [2022]	0.74	0.78	-0.17*	0.46	0.15*	-0.63
17 [2022]	0.33	0.63	0.24	-0.27	0.67	-0.49
18 [2022]	-0.10*	0.67	0.18*	-0.41	0.44	-0.60
19 [2022]	-0.16*	0.70	0.20*	-0.24	0.02*	-0.61
20 [2022]	0.45	0.08*	-0.12*	0.36	-0.11*	-0.62
21 [2022]	0.33	0.12*	0.05*	-0.01*	0.38	-0.15*

22 [2022]	0.27*	0.37*	0.54*	0.72	0.73	0.71
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Table S2. Correlations between CO₂ concentrations in indoor rooms. Correlations that are not significant ($p>0.01$) are marked with an asterisk.

Week [year]	r [CO ₂] (Pas.-Hall)	r [CO ₂] (Pas.-Poly.)	r [CO ₂] (Hall-Poly.)
0 [2021]	0.83	0.97	0.73
1 [2021]	0.72	0.97	0.61
2 [2021]	0.46	0.84	0.32
3 [2021]	0.85	0.93	0.82
4 [2021]	0.90	0.96	0.84
5 [2021]	0.76	0.65	0.50
6 [2021]	0.76	0.63	0.61
7 [2021]	0.66	0.40	0.54
8 [2021]	0.95	0.81	0.85
9 [2021]	0.83	0.50	0.58
10 [2021]	0.50	0.70	0.28
11 [2021]	0.73	0.52	0.68
12 [2021]	0.70	0.40	0.44
13 [2021]	0.65	0.67	0.60
14 [2021]	0.36	0.34	0.45
15 [2021]	0.84	0.76	0.75
16 [2021]	0.92	0.73	0.66
17 [2021]	0.91	0.71	0.64
18 [2021]	0.95	0.82	0.77
19 [2021]	0.95	0.48	0.46
20 [2021]	0.90	0.80	0.53
21 [2021]	0.94	0.16*	0.19*
0 [2022]			0.66
1 [2022]			0.64
2 [2022]			-0.17*
3 [2022]			0.70
4 [2022]	0.94	0.63	0.61
5 [2022]	0.88	0.68	0.65
6 [2022]	0.31	0.32	0.48
7 [2022]	0.79	0.46	0.27
8 [2021]	0.89	0.55	0.54
9 [2022]	0.37	0.53	0.11*
10 [2022]	0.34	0.47	0.50
11 [2022]	0.95	0.77	0.65
12 [2022]	0.06	0.05*	-0.22*
13 [2022]	0.42	0.71	0.01*
14 [2022]	0.45	0.61	0.44
15 [2022]	0.78	0.88	0.78
16 [2022]	0.97	0.88	0.82
17 [2022]	0.92	0.80	0.67
18 [2022]	0.86	0.81	0.48
19 [2022]	0.84	0.72	0.39
20 [2022]	0.81	0.97	0.69

21 [2022]	0.68	0.77	0.27
22 [2022]	0.53*	0.17*	-0.52

Table S3. Correlations between indoor/outdoor air temperature gradients and indoor CO₂ concentrations. Correlations that are not significant ($p>0.01$) are marked with an asterisk.

Week [year]	$r \Delta T(\text{out.}-\text{Hall.}) - [\text{CO}_2](\text{Hall.})$	$r \Delta T(\text{out.}-\text{Pas.}) - [\text{CO}_2](\text{Pas.})$	$r \Delta T(\text{out.}-\text{Poly.}) - [\text{CO}_2](\text{Poly.})$
0 [2021]	-0.49	-0.24	-0.17*
1 [2021]	-0.37	-0.38	-0.25
2 [2021]	-0.10*	-0.64	-0.42
3 [2021]	-0.48	-0.36	-0.16*
4 [2021]	-0.57	-0.65	-0.50
5 [2021]	-0.46	-0.67	-0.11*
6 [2021]	-0.33	-0.65	-0.01*
7 [2021]	-0.13*	-0.55	0.33
8 [2021]	-0.49	-0.67	-0.23
9 [2021]	-0.28	-0.64	0.13*
10 [2021]	-0.16*	-0.69	-0.16*
11 [2021]	-0.13*	-0.60	0.23
12 [2021]	-0.21*	-0.57	0.35
13 [2021]			
14 [2021]	0.59	-0.40	0.34
15 [2021]	-0.13*	-0.53	-0.09*
16 [2021]	-0.47	-0.58	-0.08*
17 [2021]	-0.29	-0.31	0.24
18 [2021]	-0.20	-0.26	0.13*
19 [2021]	-0.52	-0.51	0.04*
20 [2021]	-0.78	-0.64	-0.17*
21 [2021]	-0.49	-0.52	0.12*
0 [2022]	-0.20*		0.12*
1 [2022]	-0.15*		0.25
2 [2022]	0.66		-0.11*
3 [2022]	-0.61		-0.12*
4 [2022]	-0.45	-0.49	0.07*
5 [2022]	-0.17	-0.51	-0.13*
6 [2022]	0.28	-0.50	0.18
7 [2022]	-0.21	-0.40	0.28
8 [2021]	-0.39	-0.48	0.19
9 [2022]	0.11*	-0.20	0.32
10 [2022]	0.42	-0.35	0.55
11 [2022]	-0.47	-0.48	0.11*
12 [2022]	0.38	-0.41	0.23
13 [2022]	0.14*	-0.52	-0.27
14 [2022]	0.26	-0.35	0.34
15 [2022]	-0.02*	-0.41	-0.41
16 [2022]	-0.44	-0.38	-0.09*
17 [2022]	-0.67	-0.58	-0.24
18 [2022]	-0.57	-0.29	0.03*

19 [2022]	-0.48	-0.14*	0.34
20 [2022]	-0.11*	-0.23	-0.26
21 [2022]	-0.37	0.00*	0.13
22 [2022]	-0.42*	0.20*	0.88