



*Supplement of*

**Microclimatic field measurements to support microclimatological modelling with ENVI-met for an urban study area in Cologne**

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# Supplement

Sensor	Coordinates	Height [m]	Direction (N/S)	Direction (W/E)	Vegetation (3m)	Facade (3m)	Unit	Ventilation by Park	Unit Greening
A1	50.919320304956585, 6.950933031458624	3.4	open	open	Yes	No	Courtyard	No	Yes
Z1.1	50.91953843084368, 6.950747959045389	5.3	N	W	No	Yes	Street	Yes	No
Z1.2	50.91946403143121, 6.950973264591936	9.7	S	O	No	Yes	Courtyard	No	Yes
Z1.3	50.91953673994926, 6.950769416716488	7.8	N	W	No	Yes	Street	Yes	No
W1	50.91953843084368, 6.950747959045389	5.3	N	W	No	Yes	Street	Yes	No
A2	50.92123267620554, 6.949599973554904	5.0	open	open	No	No	Park	Yes	Yes
Z2.1	50.921127844452755, 6.949060849568522	2.1	open	open	Yes	No	Park	Yes	Yes
W2	50.92123267620554, 6.949599973554904	5.3	open	open	No	No	Park	Yes	Yes
A3	50.92141697661765, 6.9516947787876315	2.6	N	O	No	Yes	Courtyard	No	Yes
Z3.1	50.921464319724905, 6.951480202076633	2.1	N	W	Yes	Yes	Street	Yes	Yes
W3	50.921464319724905, 6.951480202076633	2.1	N	W	Yes	Yes	Street	Yes	Yes
A4	50.92094185204765, 6.9519281309790575	2.3	S	W	Yes	Yes	Street	Yes	Yes
Z4.1	50.92092663445469, 6.951944224232383	10.1	S	W	No	Yes	Street	Yes	Yes
W4	50.92094185204765, 6.9519281309790575	2.5	S	W	Yes	Yes	Street	Yes	Yes
A5	50.92000173361564, 6.953113667366316	3.9	N	O	Yes	Yes	Street	Yes	Yes
Z5.1	50.92028580017695, 6.953454307895026	3.7	S	W/O	Yes	Yes	Street	Yes	Yes
W5	50.92028580017695, 6.953454307895026	3.7	S	W/O	Yes	Yes	Street	Yes	Yes
A6	50.92089450840651, 6.9543582123431085	12.5	N	W	No	Yes	Street	No	No
Z6.1	50.920911416854516, 6.9542294663165105	3.3	N/S	O	No	Yes	Street	No	No
Z6.2	50.92083701963737, 6.954267017240935	3.6	N	W	No	Yes	Street	No	No
W6	50.92089450840651, 6.9543582123431085	12.5	N	W	No	Yes	Street	No	No
A7	50.92121407704164, 6.953285328731798	10.0	S	W	No	Yes	Courtyard	No	No
Z7.1	50.92130876362092, 6.953427485802834	10.1	N	O	No	Yes	Street	No	No
W7	50.92130876362092, 6.953427485802834	10.1	N	O	No	Yes	Street	No	No
A8	50.92168919883472, 6.952531627986125	4.4	N	O	No	Yes	Street	No	No
Z8.1	50.92159789466886, 6.952258042679603	3.1	open	open	Yes	No	Courtyard	No	Yes
W8	50.92159789466886, 6.952258042679603	3.1	open	open	Yes	No	Courtyard	No	Yes
A9	50.918691285034136, 6.9499191564386225	10.9	N	W	No	Yes	Street	Yes	Yes
W9	50.918691285034136, 6.9499191564386225	10.9	N	W	No	Yes	Street	Yes	Yes
A10	50.921192096191824, 6.951313905113113	3.6	N/S	W	No	Yes	Street	Yes	Yes
Z10.1	50.921192096191824, 6.951313905113113	2.6	S	W	No	Yes	Street	Yes	Yes
W10	50.921192096191824, 6.951313905113113	3.8	N/S	W	No	Yes	Street	Yes	Yes
A12	50.92075496942978, 6.9510673865487975	10.0	N	W	No	Yes	Street	Yes	Yes

**Supplement 1:** Metadata: Site characteristics of the NETATMO sensor locations in the study area.