

## Preliminary Draft: i-Tree Canopy metadata and data sources

i-Tree Canopy tree benefit rates are estimated at the secondary partition level (the local country equivalent of US States) by running a parameterized version of the i-Tree Eco model for each of those secondary partition geographies. Below are the data sources and assumed values that were used as the input values for the i-Tree Eco model runs.

Eco batch run at secondary partition level for the UK and Sweden.

1. Urban/rural areas are not distinguished.
2. Data year: 2015
3. Weather station: National Centers for Environmental Information <https://www.ncdc.noaa.gov/cdo-web/>
4. Radiosonde station: <https://ruc.noaa.gov/raobs/>
5. Leaf Area Index: MODIS 2015 <https://modis.gsfc.nasa.gov/data/dataproduct/mod15.php>
6. Tree Cover: DLT\_2015
7. Dominant Leaf Type: Copernicus <https://land.copernicus.eu/pan-european/high-resolution-layers/forests/dominant-leaf-type/status-maps/2015>

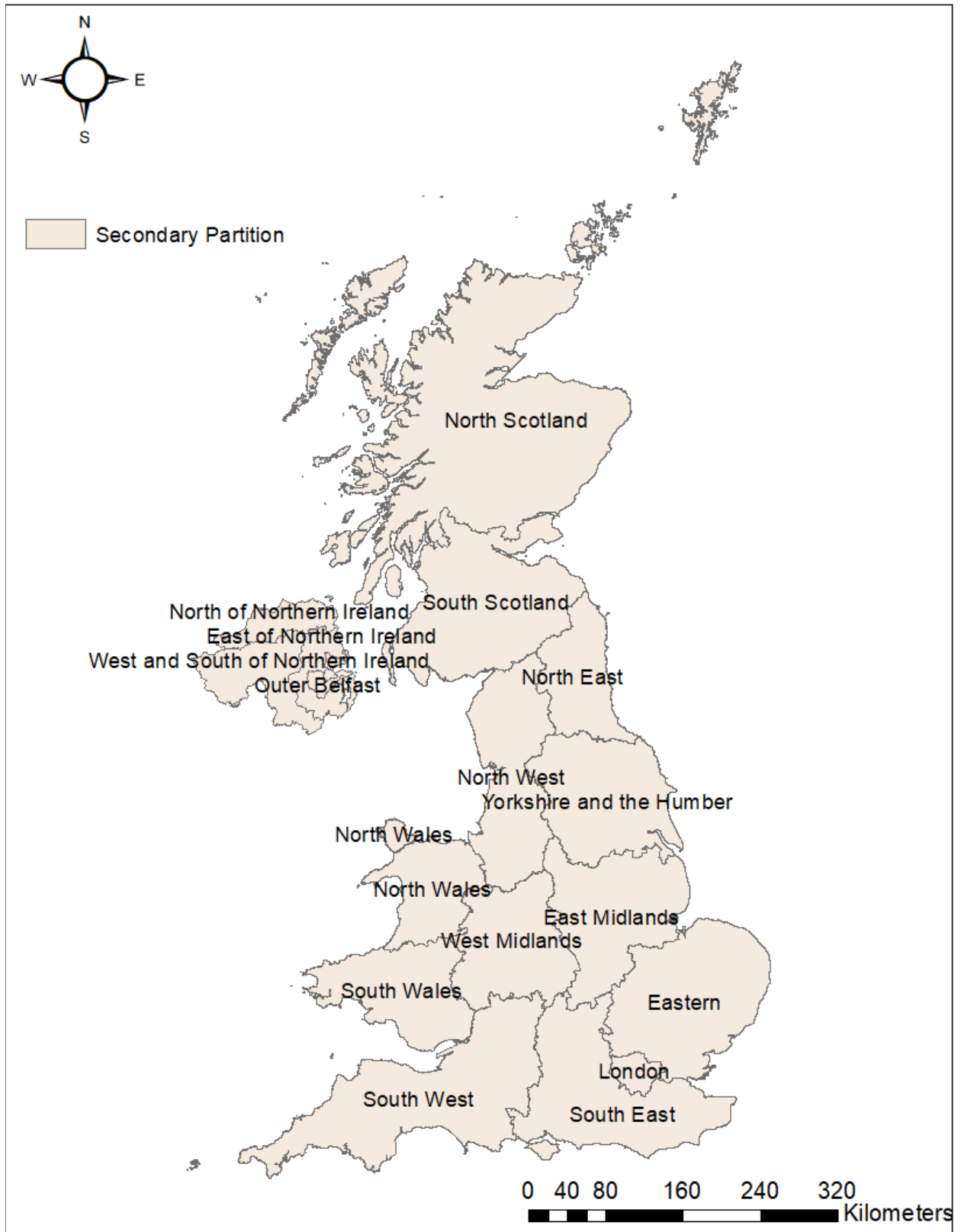
### Metadata for the UK

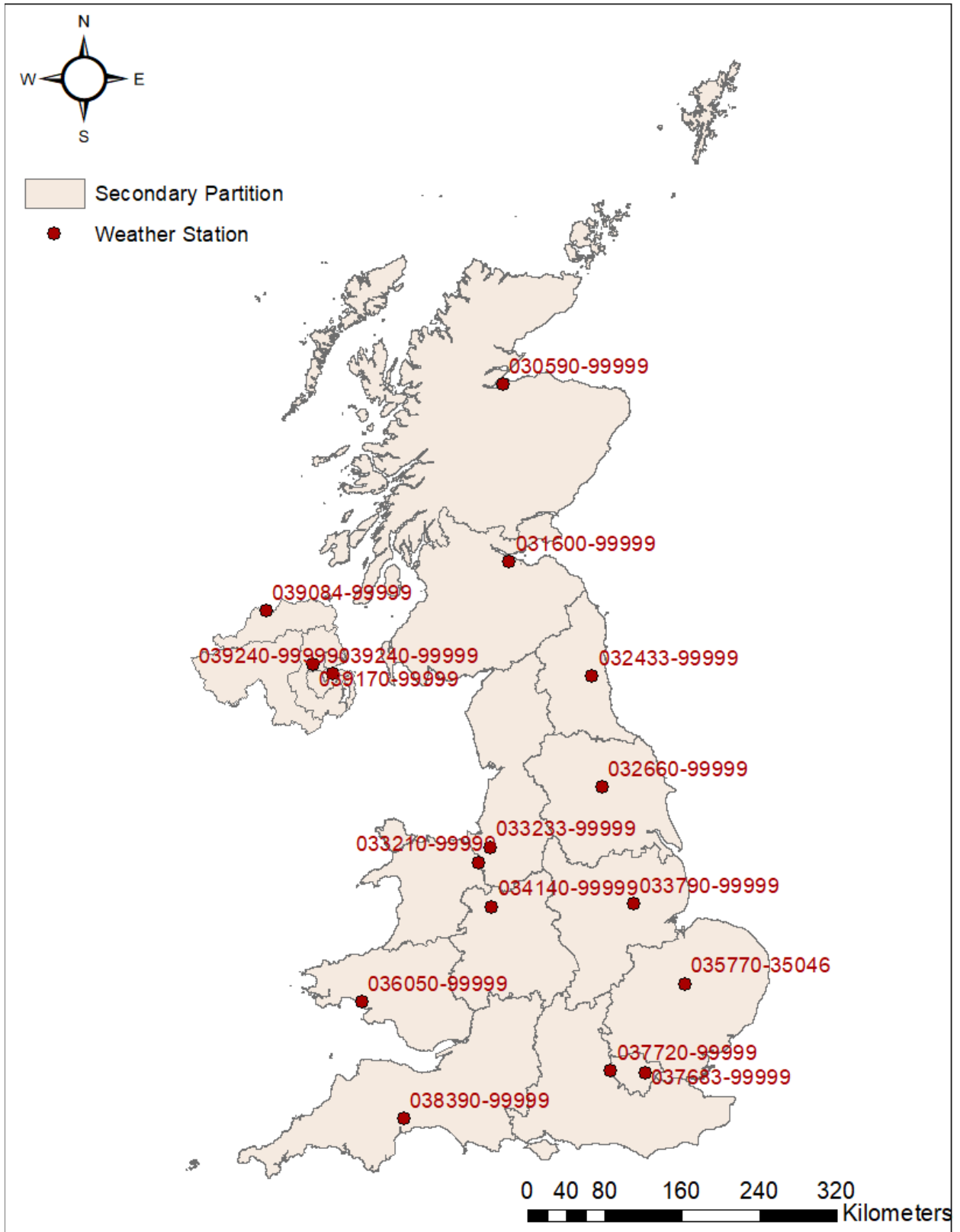
Primary Partition Id	Primary Partition Name	Secondary Partition Id	Secondary Partition Name	Area (m2)	Tree Cover (%)	Evergreen (%)	LAI
01	England	001	East Midlands	15,823,638,751	9.1	9.4	7.0
01	England	002	Eastern	19,590,457,149	11.9	10.2	7.0
01	England	003	London	1,595,605,083	30.6	1.0	6.7
01	England	004	North East	8,684,848,566	14.5	37.6	7.0
01	England	007	North West	14,933,347,563	11.8	28.5	7.0
01	England	008	South East	19,418,126,821	26.4	7.6	7.0
01	England	011	South West	24,406,082,992	14.2	15.4	7.0
01	England	012	West Midlands	13,016,281,182	14.6	17.6	7.0
01	England	013	Yorkshire and the Humber	15,576,058,749	10.2	14.7	7.0
02	Scotland	005	North Scotland	57,747,155,621	12.0	69.2	7.0
02	Scotland	009	South Scotland	22,520,722,016	16.1	63.0	7.0
03	Wales	006	North Wales	9,282,871,313	13.1	100.0	7.0
03	Wales	010	South Wales	11,954,535,842	20.0	100.0	7.0
12	Northern Ireland	001	Belfast	115,557,901	20.3	100.0	6.8
12	Northern Ireland	002	Outer Belfast	845,510,722	9.5	100.0	7.0

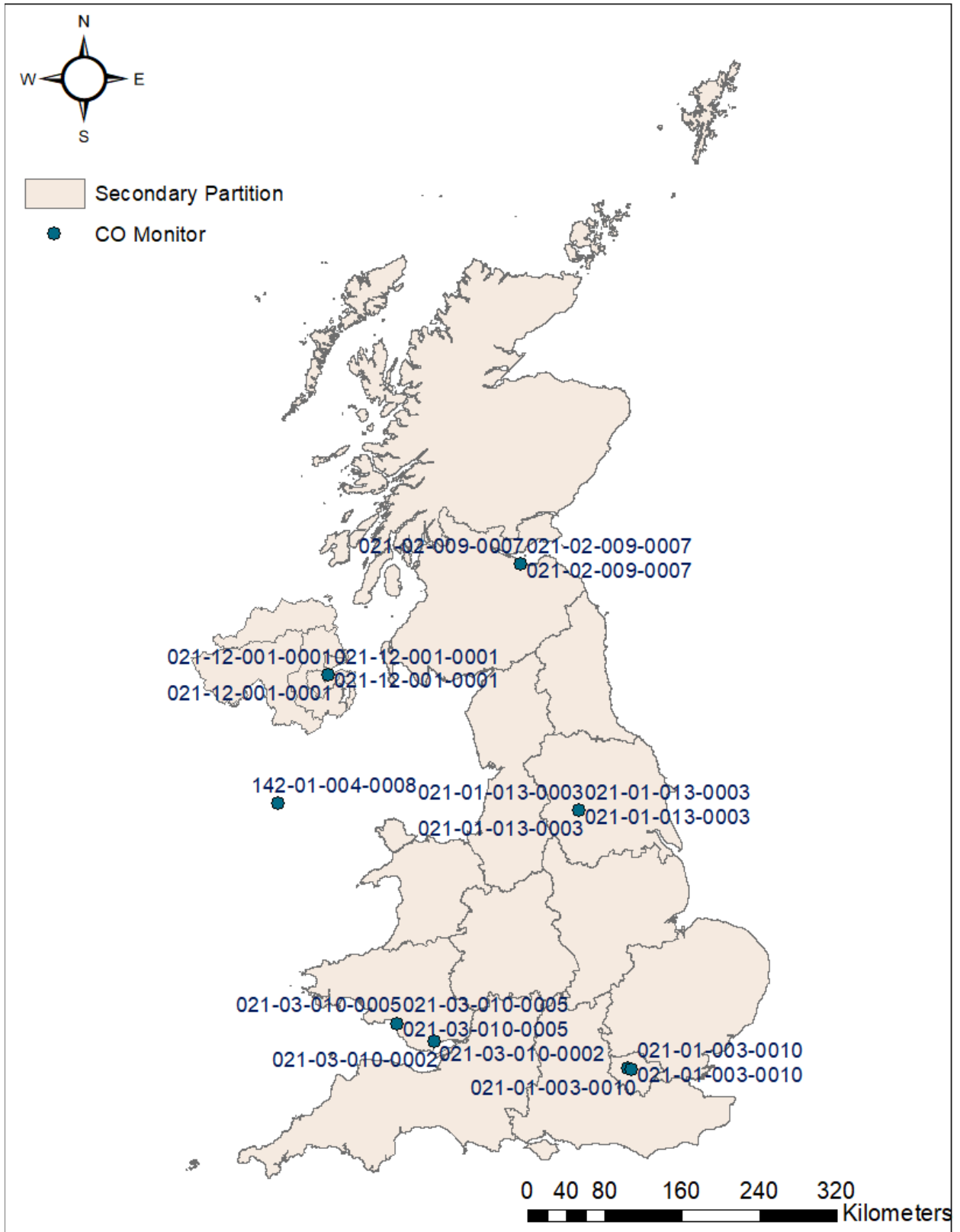
12	Northern Ireland	003	East of Northern Ireland	3,402,091,331	6.5	99.6	7.0
12	Northern Ireland	004	North of Northern Ireland	3,234,389,396	15.2	57.9	7.0
12	Northern Ireland	005	West and South of Northern Ireland	6,556,115,757	12.2	100.0	7.0

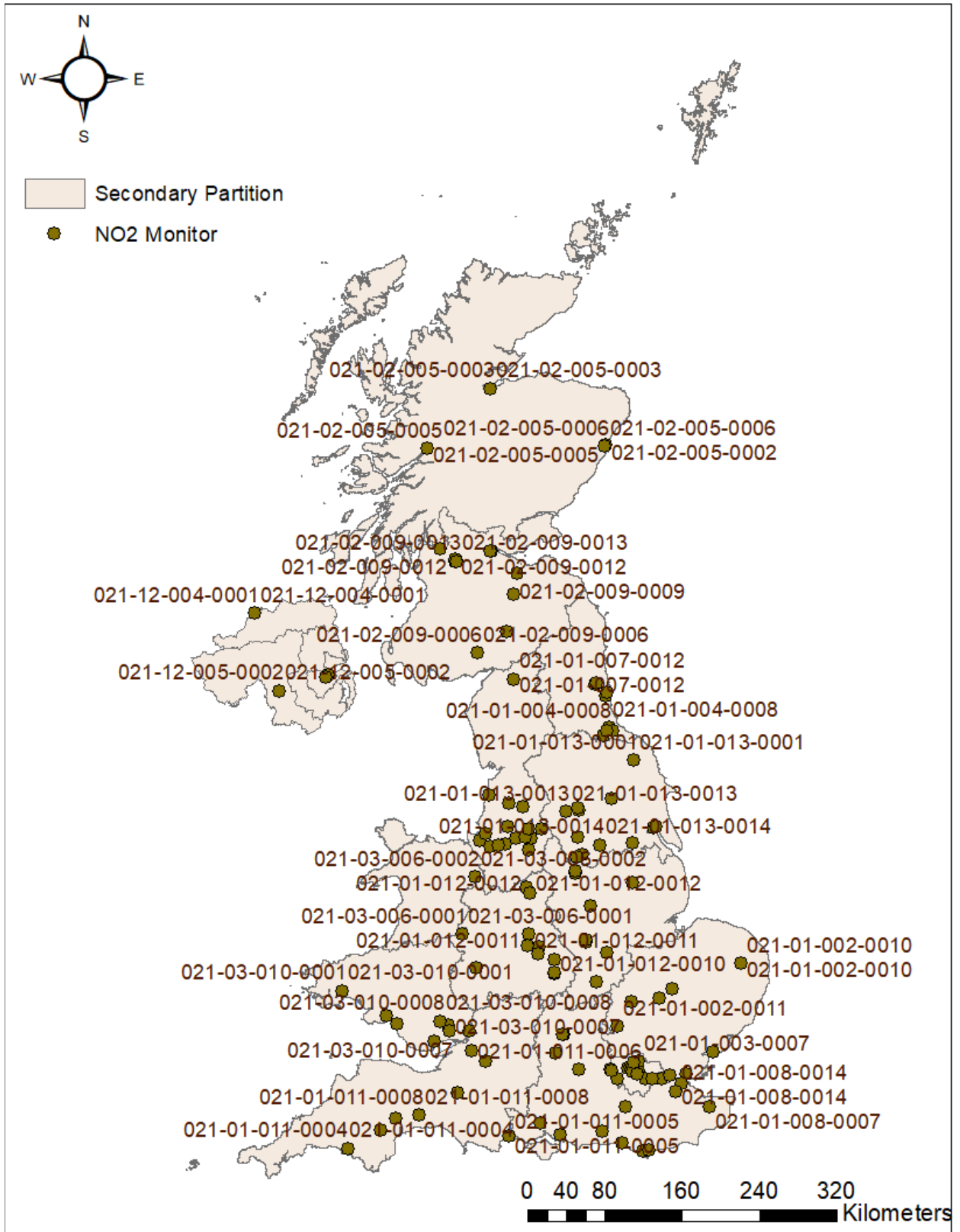
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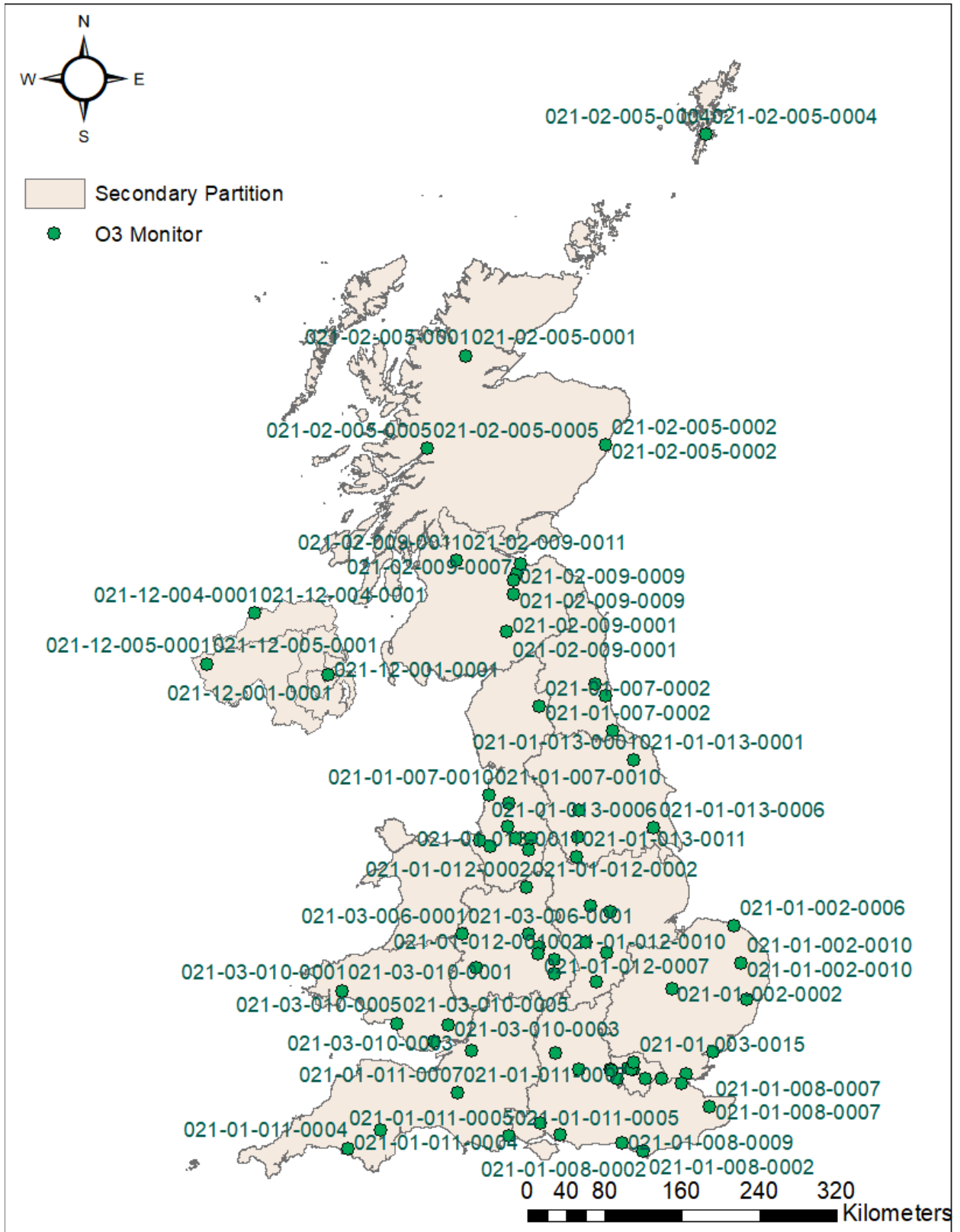
# Map data for the UK

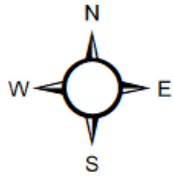






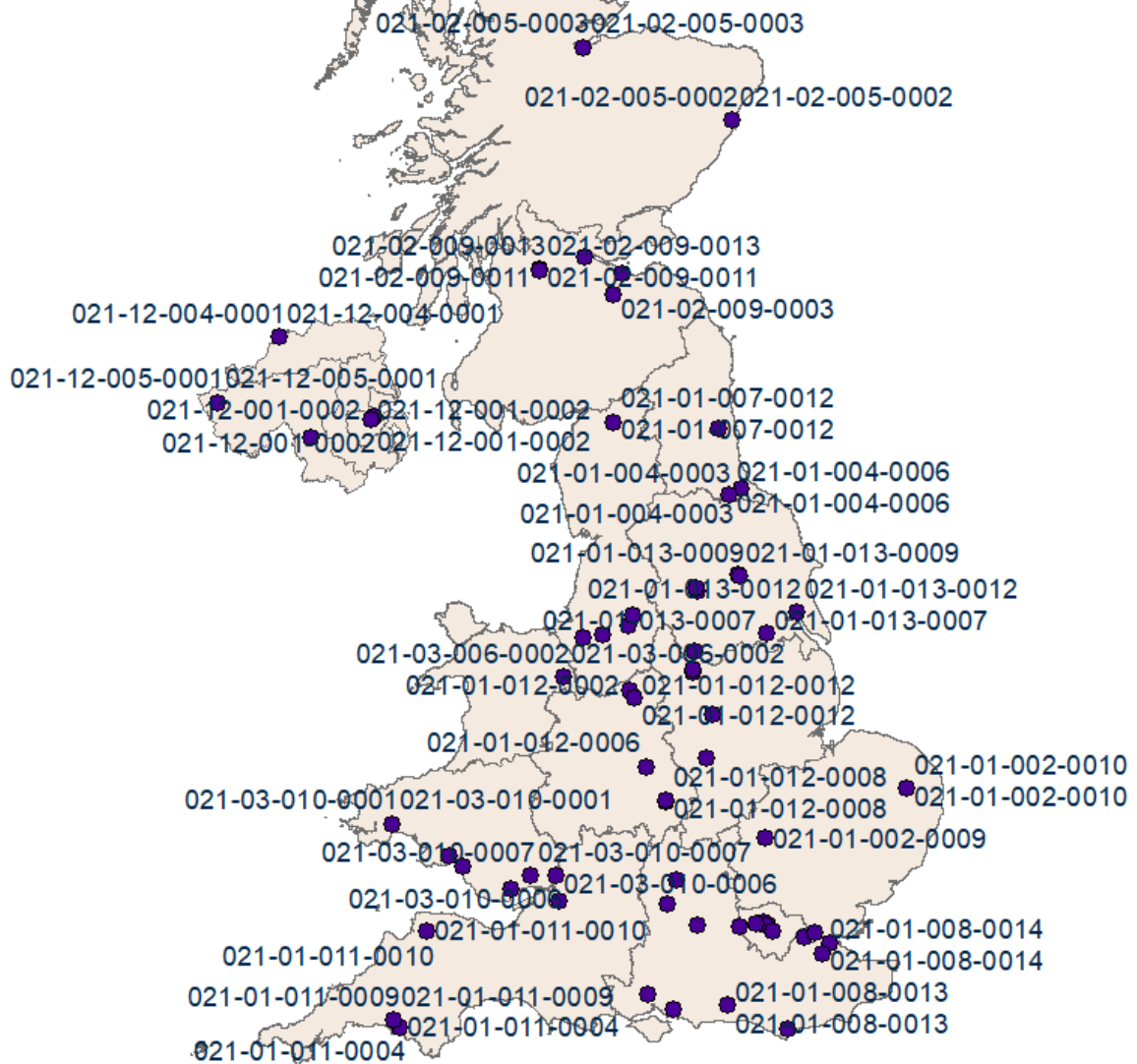






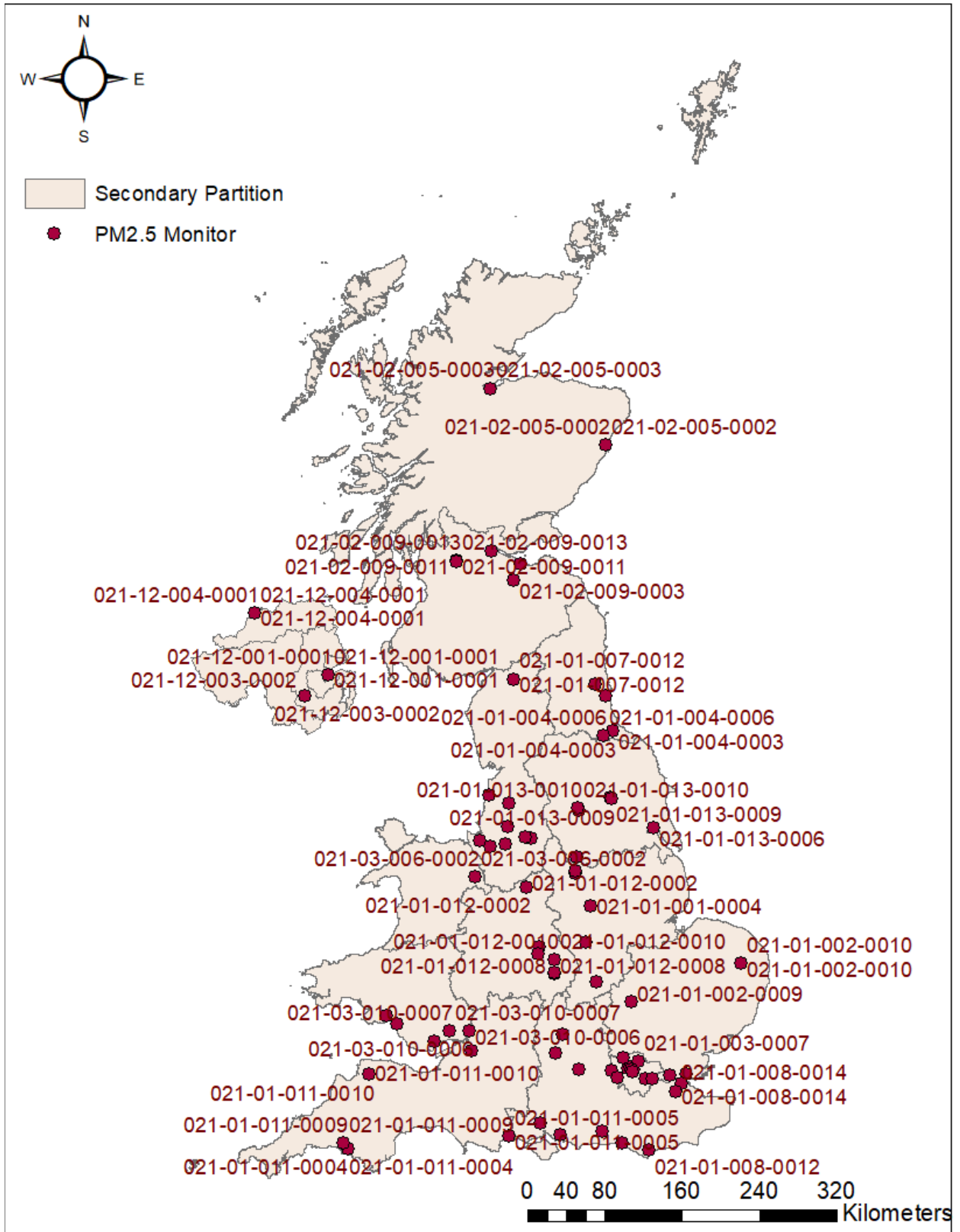
Secondary Partition

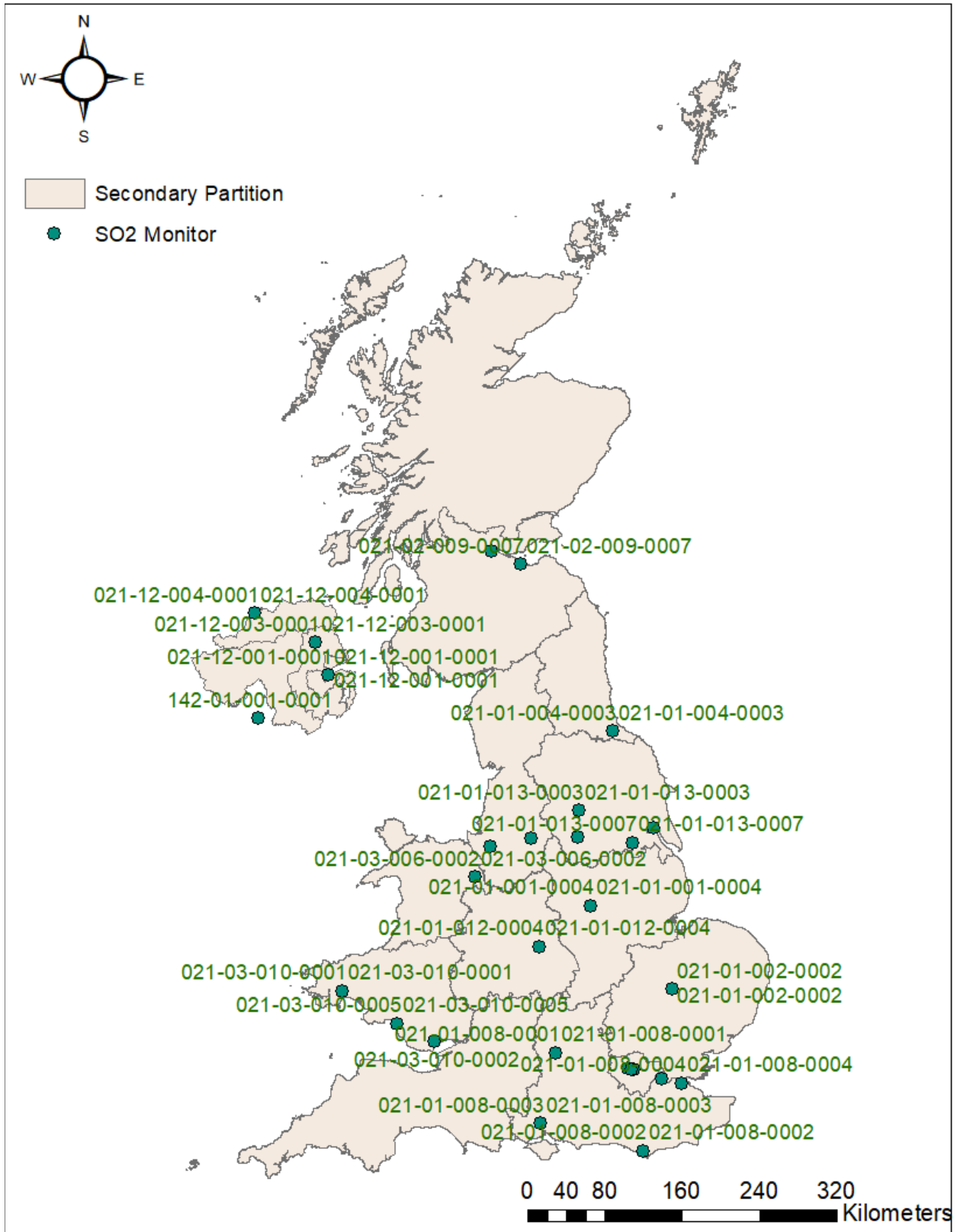
PM10 Monitor



0 40 80 160 240 320 Kilometers





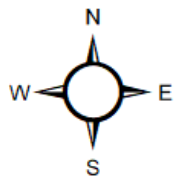



## Metadata for Sweden

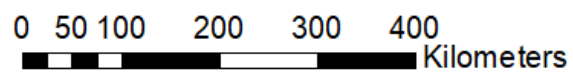
Primary Partition Id	Primary Partition Name	Secondary Partition Id	Secondary Partition Name	Area (m2)	Tree Cover (%)	Evergreen (%)	LAI
01	Ostra Sverige	001	Stockholms lan	7,058,621,573	199.3	78.2	7.0
01	Ostra Sverige	002	Uppsala lan	8,609,862,294	189.8	82.4	7.0
01	Ostra Sverige	003	Sodermanlands lan	7,372,608,068	424.4	72.8	7.0
01	Ostra Sverige	004	Ostergotlands lan	12,250,754,351	300.3	61.6	7.0
01	Ostra Sverige	005	Orebro lan	9,687,879,940	628.1	63.0	7.0
01	Ostra Sverige	006	Vastmanlands lan	5,358,149,944	8.6	55.2	7.0
02	Sodra Sverige	001	Jonkopings lan	11,743,209,826	8.4	59.9	7.0
02	Sodra Sverige	002	Kronobergs lan	9,431,553,162	8.6	7.1	7.0
02	Sodra Sverige	003	Kronobergs lan	11,622,769,232	12.3	27.9	7.0
02	Sodra Sverige	004	Gotlands lan	3,170,131,944	11.8	80.3	7.0
02	Sodra Sverige	005	Blekinge lan	3,032,739,977	18.0	42.7	7.0
02	Sodra Sverige	006	Skane lan	11,359,627,843	17.6	26.2	7.0
02	Sodra Sverige	007	Hallands lan	5,710,597,500	20.1	12.4	7.0
02	Sodra Sverige	008	Vastra Gotalands lan	28,877,583,007	5.4	30.7	7.0
03	Norra Sverige	001	Varmlands lan	21,910,335,213	7.3	31.4	7.0
03	Norra Sverige	002	Dalarnas lan	30,394,836,838	5.8	31.7	7.0
03	Norra Sverige	003	Gavleborgs lan	19,696,291,740	3.7	58.1	7.0
03	Norra Sverige	004	Vasternorrlands lan	23,081,000,620	3.4	20.1	7.0
03	Norra Sverige	005	Jamtlands lan	54,091,585,731	1.4	13.0	7.0
03	Norra Sverige	006	Vasterbottens lan	59,225,590,636	4.2	24.9	7.0

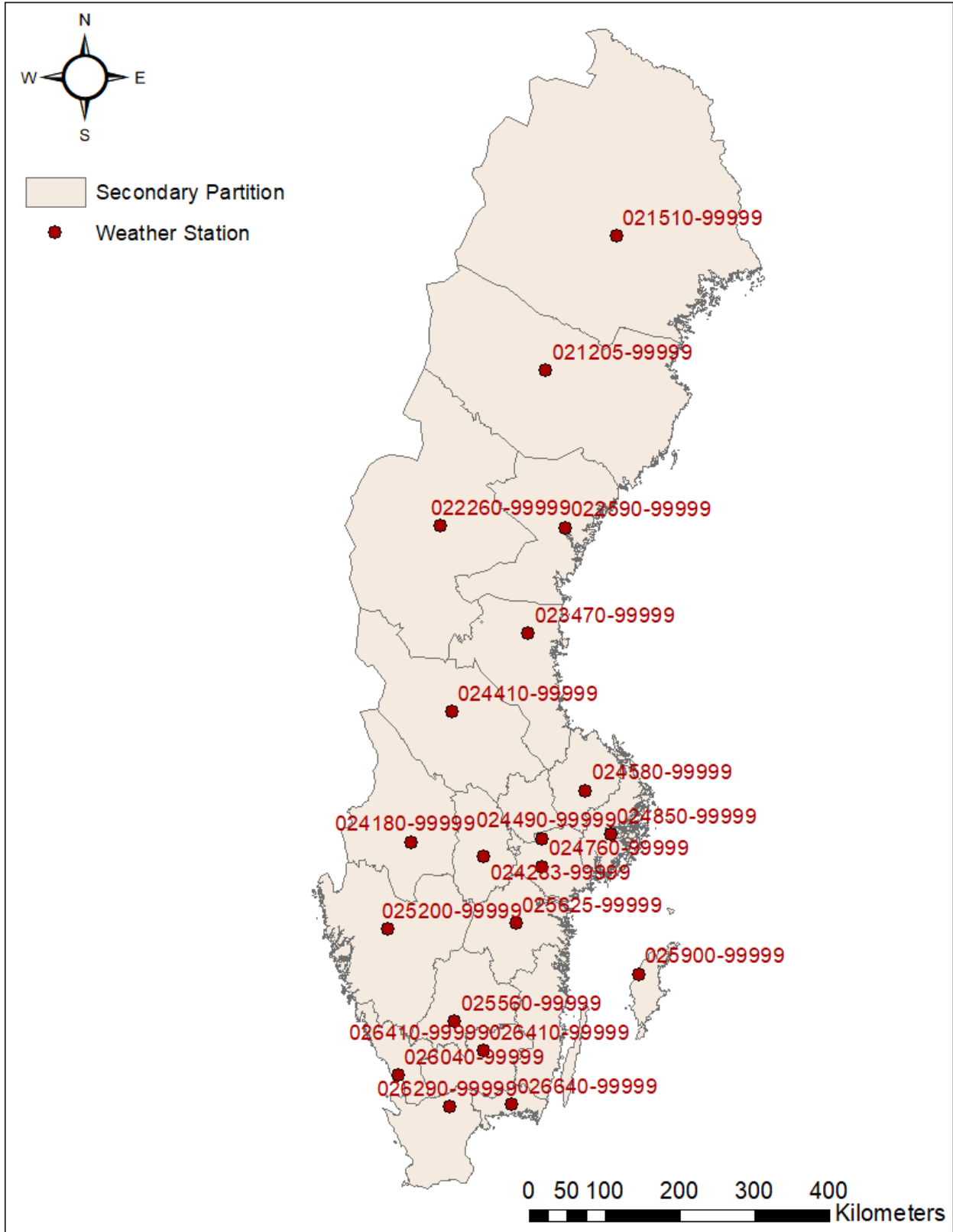
03	Norra Sverige	007	Norrbottens lan	105,879,700,083	1.1	16.4	7.0
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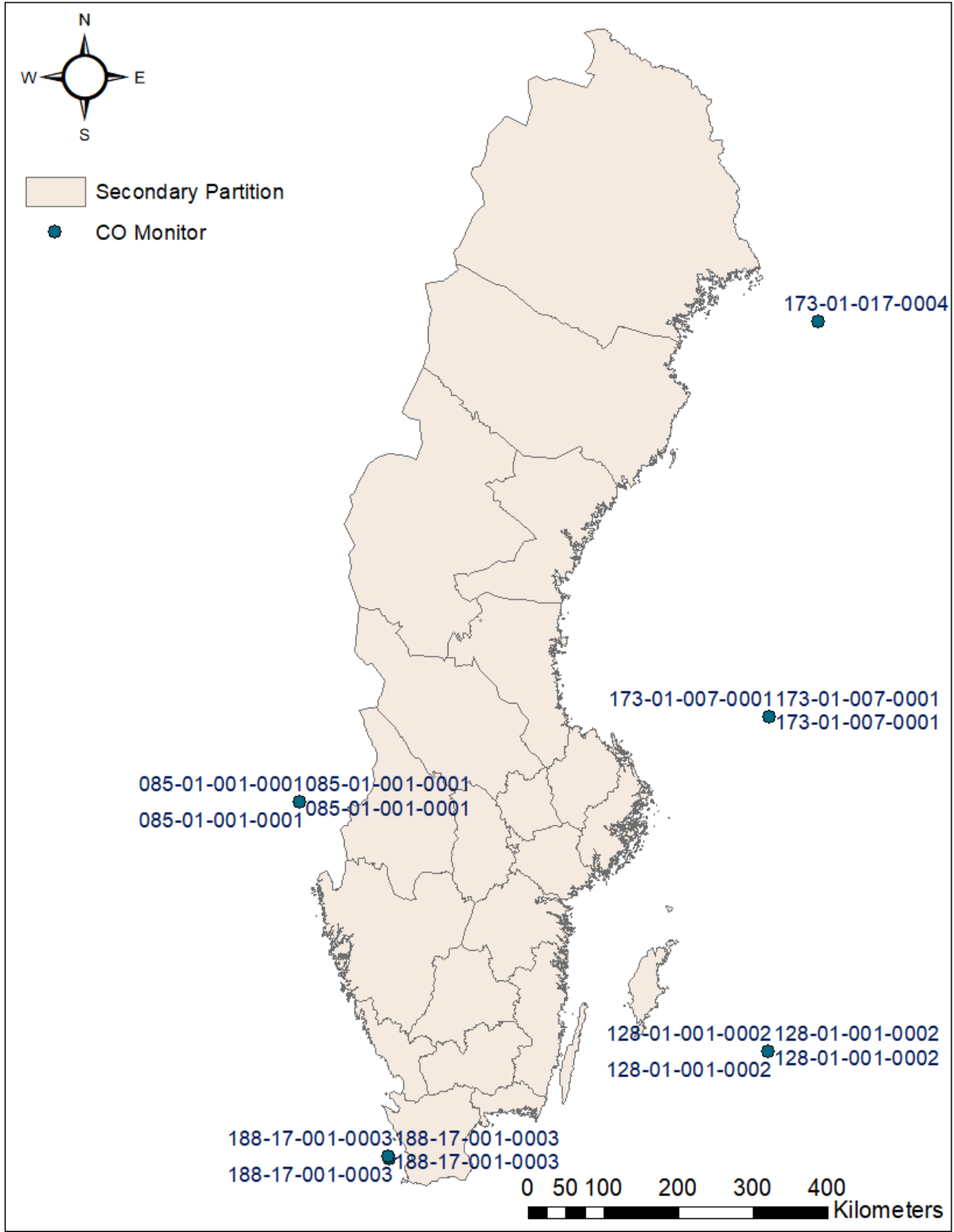
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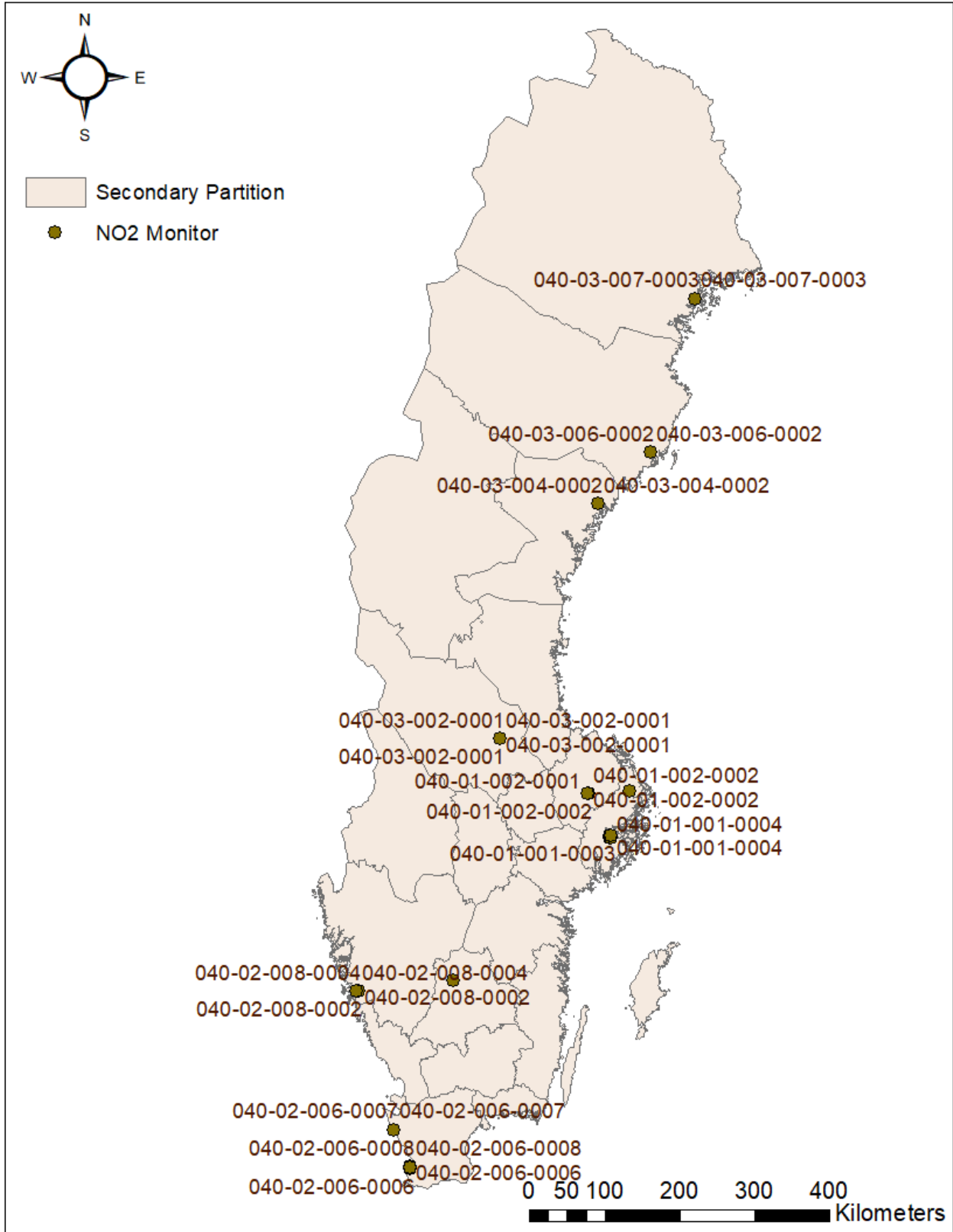


 Secondary Partition

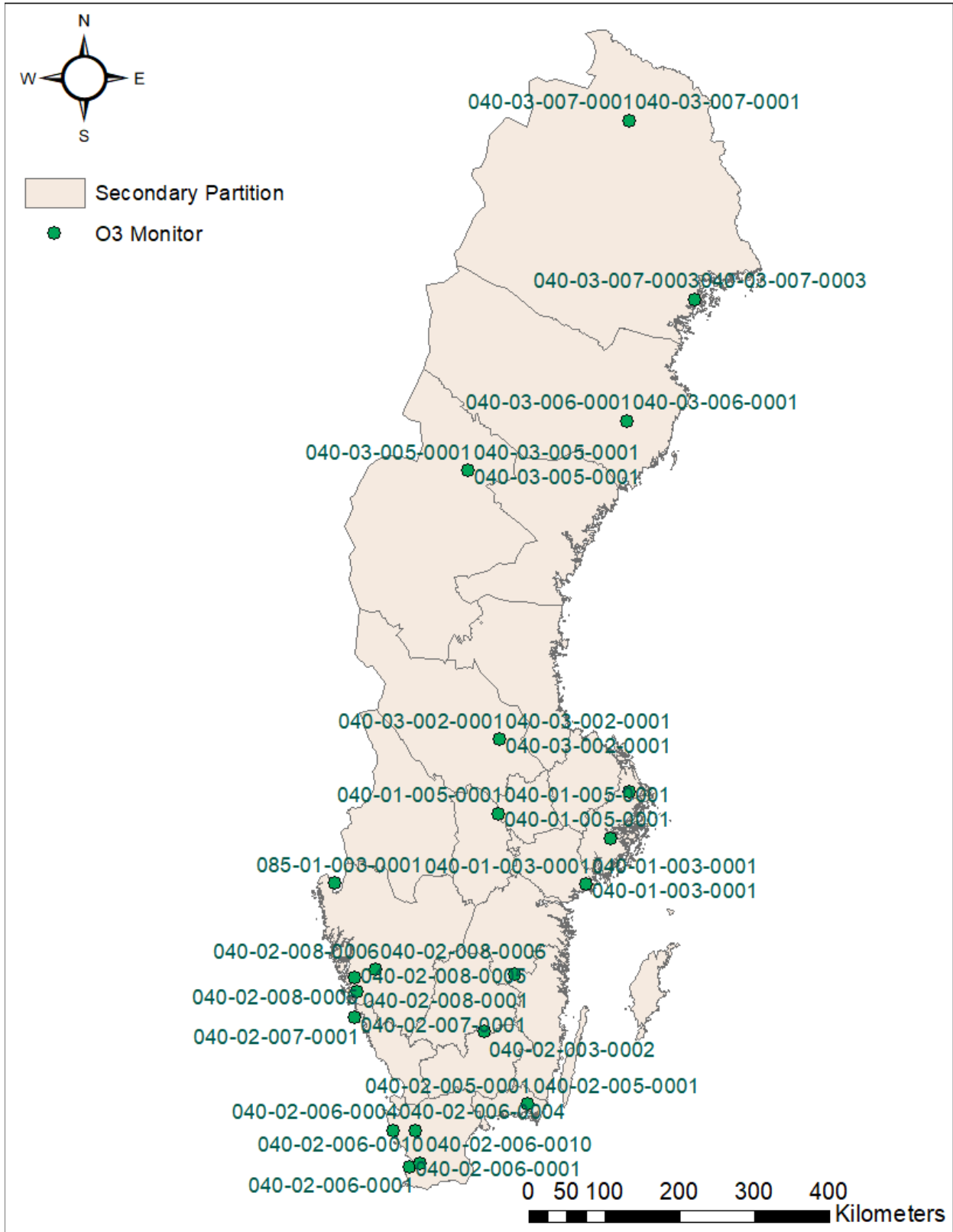


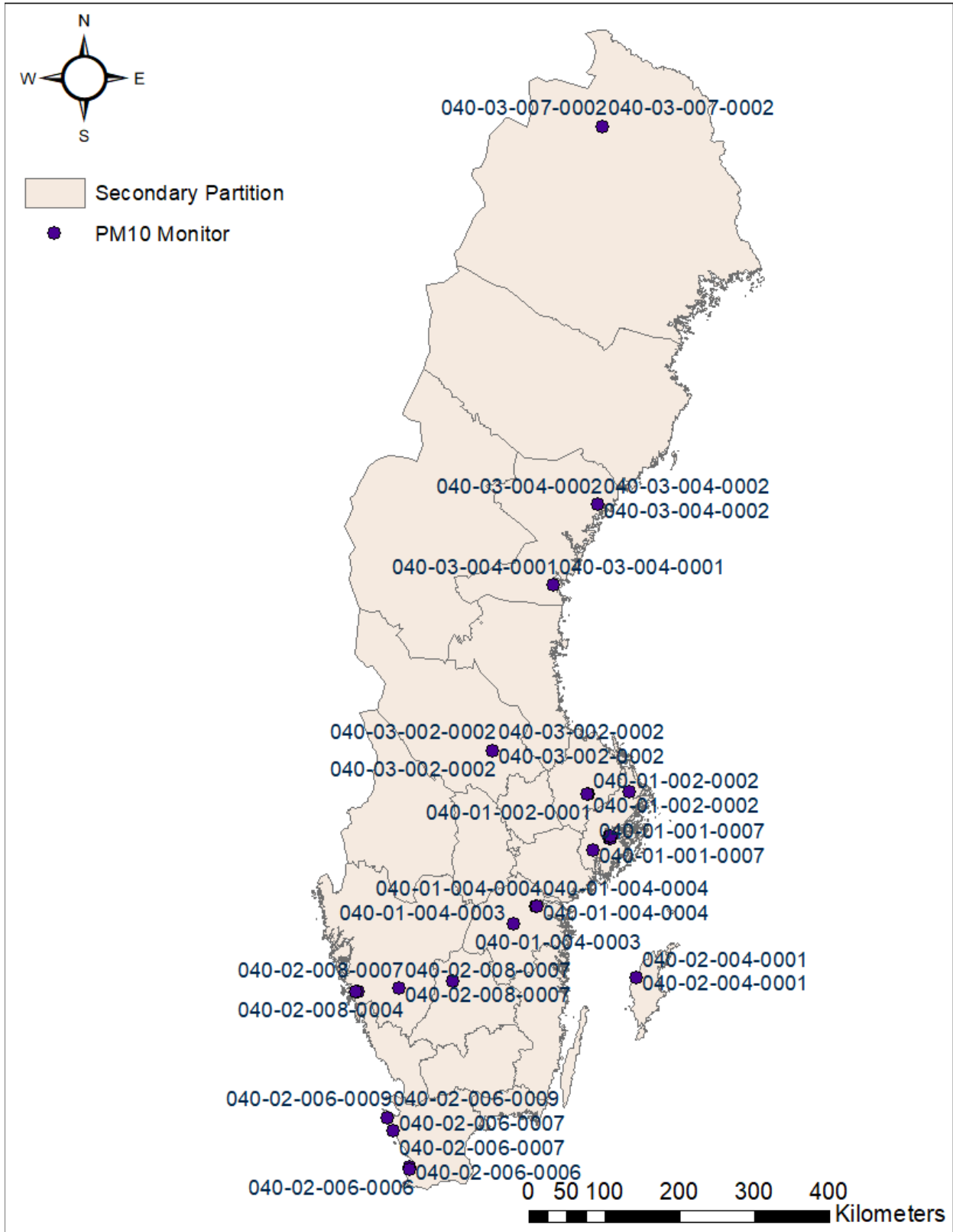


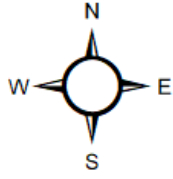






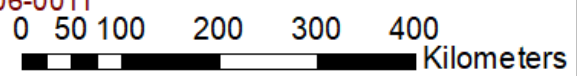
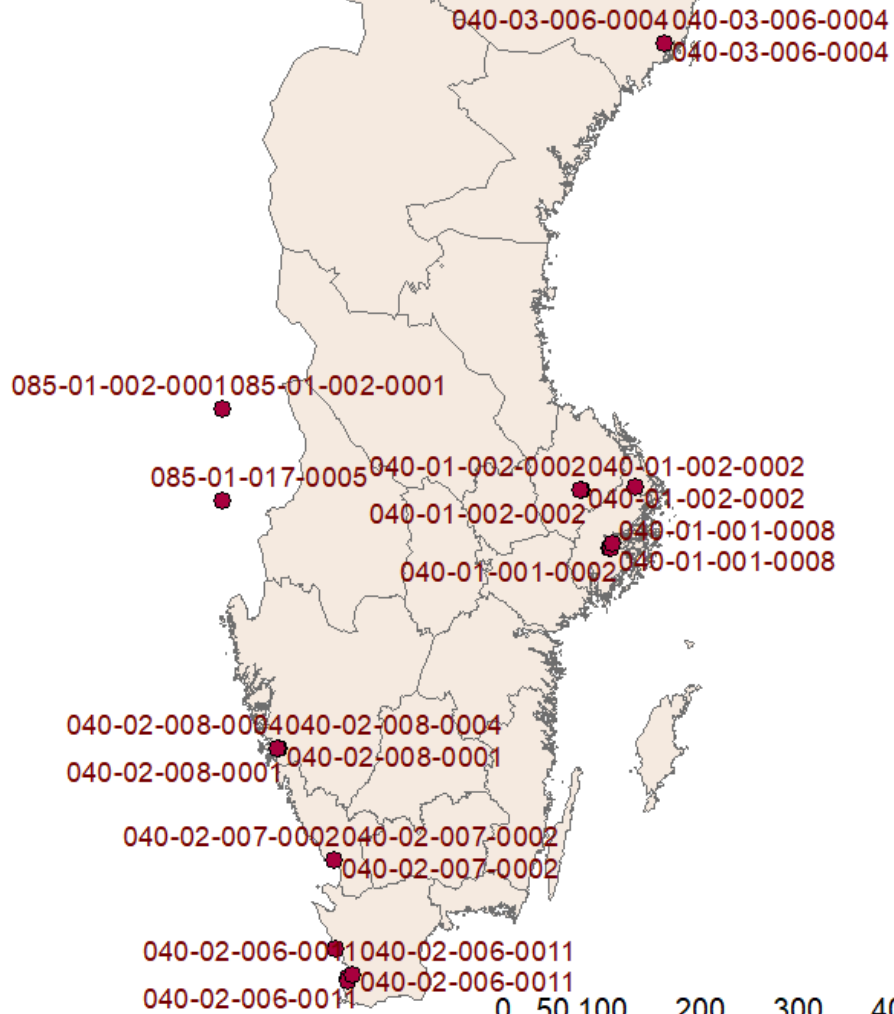


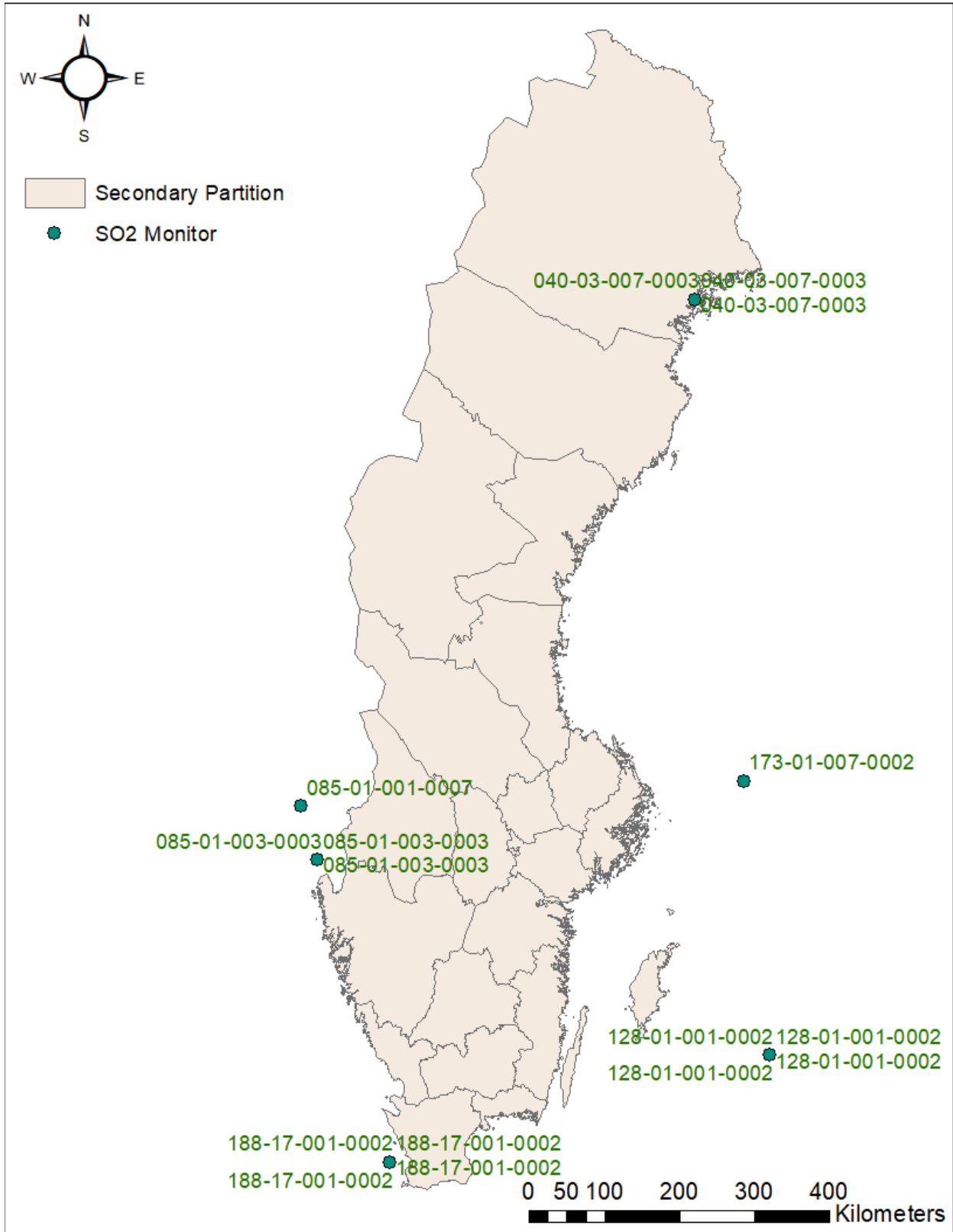






-  Secondary Partition
-  PM2.5 Monitor





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