## Supplementary Materials

**Table S1: Spearman correlations between lichen community ordination axes (NMS1; NMS2 and NMS3), lichens CWM (High disturbance; Low disturbance and Semi-natural) and the 25 land covers. Significance of the correlations is indicated in superscript: * = p<0.05; ** = p<0.01; *** = p<0.001. "Dist" is for the buffers distance around each green space centroid. Land covers: AIR - Airports; AL - Arable land; CS - Construction sites; CUF - Continuous urban fabric (S.L.: >80%); DDUF - Discontinuous dense urban fabric (S.L.: 50%-80%); DLDUF - Discontinuous low density urban fabric (S.L.: 10%-30%); DMDUF - Discontinuous medium density urban fabric (S.L.: 30%-50%); DVLUF - Discontinuous very low density urban fabric (S.L.: <10%); FTR - Fast transit roads and associated land; FOR - Forests; GUA - Green urban areas; HVA - Herbaceous vegetation associations.**

| | Dist | AIR | AL | CS | CUF | DDUF | DLDUF | DMDUF | DVLUF | FTR | FOR | GUA | HVA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **NMS1** | 50 | - | 0.13 | - | -0.25 | 0.12 | -0.08 | 0 | - | 0 | 0.27 | 0.05 | - |
| **NMS2** | 50 | - | 0.2 | - | -0.02 | -0.24 | -0.09 | -0.25 | - | 0 | 0.21 | 0.2 | - |
| **NMS3** | 50 | - | -0.24 | - | 0.15 | -0.24 | -0.25 | -0.08 | - | 0 | 0.17 | -0.16 | - |
| **CWM High disturbance** | 50 | - | -0.14 | - | 0.27 | -0.12 | -0.05 | -0.1 | - | 0.06 | -0.31* | 0.07 | - |
| **CWM Low disturbance** | 50 | - | 0.17 | - | -0.27 | -0.15 | -0.05 | -0.08 | - | 0.05 | 0.33* | 0.08 | - |
| **CWM Semi-natural** | 50 | - | 0.06 | - | -0.15 | 0.25 | 0.12 | 0.21 | - | -0.07 | 0.03 | -0.08 | - |
| **NMS1** | 100 | - | 0.18 | - | -0.27 | 0.27 | -0.01 | -0.09 | - | 0 | 0.27 | 0.11 | - |
| **NMS2** | 100 | - | 0.02 | - | -0.12 | -0.27 | -0.01 | -0.19 | - | 0 | 0.21 | 0.24 | - |
| **NMS3** | 100 | - | -0.15 | - | 0.07 | -0.19 | -0.36* | -0.05 | - | 0 | 0.17 | -0.05 | - |
| **CWM High disturbance** | 100 | - | -0.15 | - | 0.28 | -0.22 | -0.14 | -0.03 | - | 0.06 | 0.05 | -0.07 | - |
| **CWM Low disturbance** | 100 | - | 0.13 | - | -0.39** | 0.01 | 0.09 | -0.07 | - | -0.23 | 0.31* | -0.02 | - |
| **CWM Semi-natural** | 100 | - | 0.17 | - | -0.07 | 0.27 | 0.16 | 0.15 | - | 0.05 | 0.12 | -0.08 | - |
| **NMS1** | 200 | - | 0.18 | - | -0.33* | 0.14 | 0.08 | -0.05 | 0 | 0.27 | 0.25 | 0.12 | 0.19 |
| **NMS2** | 200 | - | 0.02 | - | -0.27 | -0.34* | -0.02 | -0.24 | -0.2 | 0.21 | 0.32* | 0.45** | 0.14 |
| **NMS3** | 200 | - | -0.15 | - | 0.06 | -0.1 | -0.26 | -0.26 | -0.23 | 0.17 | -0.1 | -0.02 | 0.04 |
| **CWM High disturbance** | 200 | - | -0.09 | - | 0.35* | -0.13 | -0.22 | -0.15 | -0.17 | -0.12 | -0.2 | 0.07 | -0.16 |
| **CWM Low disturbance** | 200 | - | 0.14 | - | -0.53*** | 0.01 | 0.13 | 0 | -0.01 | 0.21 | 0.32* | 0.16 | 0.17 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **CWM Semi-natural** | 200 | - | 0.1 | - | -0.07 | 0.23 | 0.22 | 0.22 | 0.21 | -0.1 | -0.02 | -0.14 | 0.05 |
| **NMS1** | 500 | 0.09 | 0.41** | 0.14 | -0.26 | 0.1 | 0.03 | -0.13 | 0.05 | 0.15 | 0.31* | 0.26 | 0.44** |
| **NMS2** | 500 | 0.14 | 0.15 | 0.19 | -0.40* | -0.35* | -0.12 | -0.3 | -0.28 | -0.01 | 0.42** | 0.40** | 0.2 |
| **NMS3** | 500 | -0.03 | 0.08 | 0.09 | 0.22 | 0.02 | -0.19 | -0.31 | -0.17 | 0.11 | -0.01 | -0.11 | 0.04 |
| **CWM High disturbance** | 500 | -0.02 | -0.23 | 0.02 | 0.27 | -0.07 | -0.17 | -0.08 | -0.18 | -0.24 | -0.19 | -0.02 | -0.29 |
| **CWM Low disturbance** | 500 | 0.05 | 0.24 | 0.11 | -0.53*** | 0.01 | 0.16 | -0.09 | 0.05 | 0.17 | 0.37* | 0.21 | 0.34* |
| **CWM Semi-natural** | 500 | 0.08 | 0.15 | -0.02 | 0.03 | 0.19 | 0.21 | 0.25 | 0.27 | 0.09 | -0.06 | -0.13 | 0.17 |

**Table S1 (Continuation): Spearman correlations between lichen community ordination axes (NMS1; NMS2 and NMS3), lichens CWM (High disturbance; Low disturbance and Semi-natural) and the 25 land covers. Significance of the correlations is indicated in superscript: * = p<0.05; ** = p<0.01; *** = p<0.001. "Dist" is for the buffers distance around each sampling site. Land covers: IPCM - Industrial, commercial, public, military and private units; IS - Isolated structures; LWC - Land without current use; MEDP - Mineral extraction and dump sites; OS - Open spaces with little or no vegetation; OR - Other roads and associated land; PAST - Pastures; PC - Permanent crops; PA - Port areas; RAL - Railways and associated land; SLF - Sports and leisure facilities; W - Water and WET - Wetlands.**

| | Dist | IPCM | IS | LWC | MEDP | OS | OR | PAST | PC | PA | RAL | SLF | W | WET |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **NMS1** | 50 | 0.04 | - | -0.18 | - | - | -0.18 | - | - | - | - | 0.13 | - | - |
| **NMS2** | 50 | 0.01 | - | -0.07 | - | - | -0.21 | - | - | - | - | 0.37* | - | - |
| **NMS3** | 50 | 0.3 | - | 0.04 | - | - | -0.14 | - | - | - | - | -0.03 | - | - |
| **CWM High disturbance** | 50 | 0.02 | - | 0.09 | - | - | 0.18 | - | - | - | - | -0.06 | - | - |
| **CWM Low disturbance** | 50 | 0.16 | - | -0.03 | - | - | -0.34* | - | - | - | - | 0.21 | - | - |
| **CWM Semi-natural** | 50 | -0.04 | - | -0.14 | - | - | 0.01 | - | - | - | - | -0.05 | - | - |
| **NMS1** | 100 | 0.04 | - | -0.18 | - | - | -0.19 | - | - | -0.2 | 0.13 | 0.15 | - | - |
| **NMS2** | 100 | 0.08 | - | -0.07 | - | - | -0.33* | - | - | 0.09 | -0.26 | 0.40** | - | - |
| **NMS3** | 100 | 0.31* | - | 0.04 | - | - | -0.21 | - | - | -0.05 | -0.02 | -0.1 | - | - |
| **CWM High disturbance** | 100 | 0.05 | - | 0.09 | - | - | 0.19 | - | - | 0.13 | -0.09 | -0.06 | - | - |
| **CWM Low disturbance** | 100 | 0.21 | - | -0.03 | - | - | -0.42** | - | - | -0.05 | -0.06 | 0.24 | - | - |
| **CWM Semi-natural** | 100 | -0.1 | - | -0.14 | - | - | 0.05 | - | - | -0.08 | 0.27 | -0.05 | - | - |
| **NMS1** | 200 | -0.07 | - | -0.18 | - | - | -0.32* | 0.16 | - | -0.2 | 0.22 | 0.21 | - | - |
| **NMS2** | 200 | 0.02 | - | -0.07 | - | - | -0.31 | 0.13 | - | 0.09 | -0.11 | 0.41** | - | - |
| **NMS3** | 200 | 0.36* | - | 0.04 | - | - | -0.22 | 0.23 | - | -0.05 | 0.12 | -0.08 | - | - |
| **CWM High disturbance** | 200 | 0.23 | - | 0.09 | - | - | 0.29 | -0.08 | - | 0.13 | -0.16 | -0.1 | - | - |
| **CWM Low disturbance** | 200 | 0.03 | - | -0.03 | - | - | -0.42** | 0.19 | - | -0.05 | 0.08 | 0.28 | - | - |
| **CWM Semi-natural** | 200 | -0.19 | - | -0.14 | - | - | -0.08 | -0.07 | - | -0.08 | 0.14 | -0.06 | - | - |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **NMS1** | 500 | -0.33* | 0.22 | 0.17 | -0.02 | - | -0.32* | 0.33* | 0.11 | -0.36* | -0.14 | 0.18 | -0.38* | - |
| **NMS2** | 500 | 0.07 | 0.35* | 0.18 | -0.03 | - | -0.33* | 0.05 | 0.07 | -0.19 | -0.12 | 0.39* | 0.12 | - |
| **NMS3** | 500 | 0.15 | -0.01 | 0.13 | -0.07 | - | -0.07 | 0 | -0.19 | 0.29 | 0.19 | -0.3 | -0.16 | - |
| **CWM High disturbance** | 500 | 0.41** | -0.1 | -0.05 | 0.05 | - | 0.24 | -0.2 | -0.04 | 0.37* | 0.25 | -0.21 | 0.31* | - |
| **CWM Low disturbance** | 500 | -0.19 | 0.26 | 0.25 | -0.02 | - | -0.36* | 0.17 | 0.02 | -0.31* | -0.16 | 0.34* | -0.16 | - |
| **CWM Semi-natural** | 500 | -0.29 | -0.15 | -0.04 | 0.01 | - | -0.03 | 0.23 | 0.1 | -0.21 | -0.09 | 0 | -0.29 | - |

**Table S1 (Continuation): Spearman correlations between lichen community ordination axes (NMS1; NMS2 and NMS3), lichens CWM (High disturbance; Low disturbance and Semi-natural) and the 25 land covers. Significance of the correlations is indicated in superscript: * = p<0.05; ** = p<0.01; *** = p<0.001. "Dist" is for the buffers distance around each sampling site. Land covers: AIR - Airports; AL - Arable land; CS - Construction sites; CUF - Continuous urban fabric (S.L.: >80%); DDUF - Discontinuous dense urban fabric (S.L.: 50%-80%); DLDUF - Discontinuous low density urban fabric (S.L.: 10%-30%); DMDUF - Discontinuous medium density urban fabric (S.L.: 30%-50%); DVLUF - Discontinuous very low density urban fabric (S.L.: <10%); FTR - Fast transit roads and associated land; FOR - Forests; GUA - Green urban areas; HVA - Herbaceous vegetation associations.**

| | Dist | AIR | AL | CS | CUF | DDUF | DLDUF | DMDUF | DVLUF | FTR | FOR | GUA | HVA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **NMS1** | 1000 | 0 | 0.36* | 0.07 | -0.21 | 0.1 | 0.1 | 0.01 | -0.03 | 0.1 | 0.21 | 0.15 | 0.40** |
| **NMS2** | 1000 | 0.17 | 0.15 | 0.13 | -0.33* | -0.31* | -0.25 | -0.40* | -0.2 | 0.15 | 0.2 | 0.12 | 0.29 |
| **NMS3** | 1000 | 0.03 | 0.02 | 0.16 | 0.25 | 0.05 | -0.15 | -0.02 | -0.23 | 0.2 | 0.14 | -0.01 | 0.01 |
| **CWM High disturbance** | 1000 | 0.11 | -0.30* | 0.06 | 0.28 | -0.03 | -0.22 | -0.1 | -0.09 | -0.1 | -0.19 | -0.14 | -0.26 |
| **CWM Low disturbance** | 1000 | -0.02 | 0.38** | 0.09 | -0.48*** | -0.07 | 0.13 | -0.03 | 0.06 | 0.11 | 0.23 | 0.21 | 0.42** |
| **CWM Semi-natural** | 1000 | 0.06 | 0.14 | 0.07 | -0.07 | 0.21 | 0.22 | 0.28 | 0.15 | 0.09 | 0.03 | 0.13 | 0.07 |
| **NMS1** | 1500 | 0.03 | 0.26 | 0 | -0.07 | 0.18 | -0.01 | 0.09 | 0.13 | 0.24 | 0.37* | -0.1 | 0.15 |
| **NMS2** | 1500 | 0.18 | 0.24 | 0.16 | -0.40** | -0.19 | -0.1 | -0.22 | 0.26 | 0.35* | 0.22 | 0.08 | 0.36* |
| **NMS3** | 1500 | -0.02 | -0.1 | 0.01 | 0.22 | -0.03 | -0.01 | -0.03 | -0.29 | 0.11 | 0.1 | 0.04 | -0.19 |
| **CWM High disturbance** | 1500 | 0.09 | -0.24 | 0.08 | 0.15 | -0.15 | -0.05 | -0.15 | -0.21 | -0.15 | -0.31* | -0.02 | -0.1 |
| **CWM Low disturbance** | 1500 | 0.02 | 0.39** | 0.06 | -0.40** | 0.09 | 0.09 | 0.09 | 0.31* | 0.30* | 0.42** | 0.07 | 0.34* |
| **CWM Semi-natural** | 1500 | 0.03 | 0.09 | 0.06 | 0.03 | 0.25 | 0.09 | 0.24 | 0.04 | 0.02 | 0.05 | 0.02 | 0.02 |
| **NMS1** | 2000 | -0.03 | 0.16 | 0 | -0.01 | 0.2 | -0.1 | 0.1 | 0.16 | 0.17 | 0.36* | 0.07 | 0.09 |
| **NMS2** | 2000 | 0.16 | 0.21 | 0.08 | -0.46** | -0.01 | -0.11 | -0.18 | 0.36* | 0.36* | 0.11 | 0.07 | 0.23 |
| **NMS3** | 2000 | -0.08 | -0.23 | 0.03 | 0.19 | -0.29 | -0.02 | -0.07 | -0.23 | 0.07 | 0.09 | 0.07 | -0.36* |
| **CWM High disturbance** | 2000 | 0.1 | -0.1 | 0.11 | 0.07 | -0.17 | -0.02 | -0.21 | -0.18 | -0.15 | -0.37* | -0.2 | -0.17 |
| **CWM Low disturbance** | 2000 | 0 | 0.18 | -0.06 | -0.37* | 0.23 | 0.02 | 0.06 | 0.39** | 0.24 | 0.39** | 0.18 | 0.32* |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **CWM Semi-natural** | 2000 | 0.02 | 0.09 | 0.07 | 0.12 | 0.29 | 0.14 | 0.25 | 0.02 | -0.03 | 0.09 | 0.13 | 0.14 |

**Table S1 (Continuation): Spearman correlations between lichen community ordination axes (NMS1; NMS2 and NMS3), lichens CWM (High disturbance; Low disturbance and Semi-natural) and the 25 land covers. Significance of the correlations is indicated in superscript: * = p<0.05; ** = p<0.01; *** = p<0.001. "Dist" is for the buffers distance around each sampling site. Land covers: IPCM - Industrial, commercial, public, military and private units; IS - Isolated structures; LWC - Land without current use; MEDP - Mineral extraction and dump sites; OS - Open spaces with little or no vegetation; OR - Other roads and associated land; PAST - Pastures; PC - Permanent crops; PA - Port areas; RAL - Railways and associated land; SLF - Sports and leisure facilities; W - Water and WET - Wetlands.**

| | Dist | IPCM | IS | LWC | MEDP | OS | OR | PAST | PC | PA | RAL | SLF | W | WET |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **NMS1** | 1000 | 0 | 0.22 | 0.16 | -0.03 | -0.2 | -0.06 | 0.41** | 0.2 | -0.25 | -0.08 | 0.29 | -0.39* | - |
| **NMS2** | 1000 | -0.02 | 0.35* | 0.03 | -0.01 | 0.09 | -0.36* | 0.03 | 0 | -0.23 | -0.26 | 0.3 | -0.16 | - |
| **NMS3** | 1000 | 0.01 | -0.01 | -0.07 | -0.08 | -0.05 | -0.07 | -0.02 | -0.16 | 0.19 | 0.01 | -0.17 | -0.07 | - |
| **CWM High disturbance** | 1000 | -0.01 | -0.12 | -0.15 | 0.06 | 0.13 | 0.05 | -0.31* | -0.18 | 0.17 | 0.13 | -0.34* | 0.27 | - |
| **CWM Low disturbance** | 1000 | -0.05 | 0.24 | 0.21 | -0.02 | -0.05 | -0.25 | 0.28 | 0.15 | -0.17 | -0.2 | 0.49*** | -0.27 | - |
| **CWM Semi-natural** | 1000 | -0.02 | 0.01 | 0.15 | 0 | -0.08 | 0.08 | 0.27 | 0.15 | -0.06 | 0.09 | 0.02 | -0.09 | - |
| **NMS1** | 1500 | 0.04 | 0.25 | 0.21 | 0.15 | -0.2 | 0.11 | 0.38* | 0.35* | -0.09 | 0.03 | 0.27 | -0.26 | -0.16 |
| **NMS2** | 1500 | 0.19 | 0.31* | -0.25 | -0.05 | 0.09 | -0.24 | 0.21 | 0.08 | -0.39* | -0.35* | 0.33* | -0.2 | 0.16 |
| **NMS3** | 1500 | -0.09 | 0.08 | -0.11 | -0.18 | -0.05 | -0.08 | -0.02 | -0.11 | 0.28 | 0.05 | -0.13 | 0.05 | -0.15 |
| **CWM High disturbance** | 1500 | 0.08 | -0.23 | -0.21 | -0.09 | 0.13 | -0.09 | -0.26 | -0.32* | 0.08 | 0.03 | -0.29 | 0.23 | 0.15 |
| **CWM Low disturbance** | 1500 | -0.01 | 0.27 | 0.08 | 0.08 | -0.05 | -0.09 | 0.39** | 0.31* | -0.23 | -0.16 | 0.49*** | -0.27 | -0.04 |
| **CWM Semi-natural** | 1500 | -0.12 | 0.04 | 0.33* | 0.16 | -0.08 | 0.14 | 0.2 | 0.25 | 0.08 | 0.15 | 0.02 | -0.12 | -0.16 |
| **NMS1** | 2000 | 0.04 | 0.23 | 0.07 | 0.05 | -0.14 | 0.18 | 0.11 | 0.23 | -0.11 | 0.12 | 0.16 | -0.26 | -0.03 |
| **NMS2** | 2000 | 0.29 | 0.31* | -0.2 | -0.12 | -0.1 | -0.18 | 0.11 | 0.14 | -0.39* | -0.36* | 0.35* | -0.16 | -0.01 |
| **NMS3** | 2000 | -0.23 | 0.07 | 0 | -0.11 | -0.22 | -0.04 | -0.06 | 0.03 | 0.32* | 0.06 | -0.15 | 0.07 | -0.08 |
| **CWM High disturbance** | 2000 | 0.04 | -0.24 | -0.07 | 0.03 | -0.06 | -0.13 | -0.03 | -0.15 | 0.09 | -0.04 | -0.22 | 0.22 | 0.06 |
| **CWM Low disturbance** | 2000 | 0.1 | 0.35* | 0.02 | -0.02 | 0.02 | -0.02 | 0.15 | 0.23 | -0.28 | -0.17 | 0.47*** | -0.26 | -0.02 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **CWM Semi-natural** | 2000 | -0.12 | 0.01 | 0.11 | 0.19 | 0.11 | 0.11 | 0.12 | 0.17 | 0.06 | 0.16 | 0 | -0.11 | 0 |

**Table S2: Epiphytic lichens species collected and identified, and Poleotolerance classification of each species prior and after reclassification.**

| | | Poleotolerance Classification: | |
|---|---|---|---|
| **Species** | **Species codes** | **Original** | **Reclassification** |
| *Candelaria concolor* (Dicks.) Stein | Cancon | High disturbance | High disturbance |
| *Candelariella xanthostigma* (Ach.) Lettau | Canxan | High disturbance | High disturbance |
| *Chrysothrix candelaris* (L.) J.R. Laundon | Chrcan | Low disturbance | Low disturbance |
| *Dendrographa decolorans* (Sm.) Ertz & Tehler | Dendec | Low disturbance | Low disturbance |
| *Diploicia canescens* (Dicks.) A. Massal. | Dipcan | Low disturbance | Low disturbance |
| *Enterographa crassa* (DC.) Fée | Entcra | Natural | Low disturbance |
| *Evernia prunastri* (L.) Ach. | Evepru | Low disturbance | Low disturbance |
| *Flavoparmelia caperata* (L.) Hale | Flacap | Low disturbance | Low disturbance |
| *Flavoplaca citrina* (Hoffm.) Arup, Frödén & Søchting | Flacit | High disturbance | High disturbance |
| *Hyperphyscia adglutinata* (Flörke) H. Mayrhofer & Poelt | Hypadg | High disturbance | High disturbance |
| *Lecanographa amylacea* (Pers.) Egea & Torrente | Lecamy | Natural | Seminatural |
| *Lecanora chlarotera* Nyl. | Lecchl | High disturbance | High disturbance |
| *Lecania cuprea* (A. Massal.) van den Boom & Coppins | Leccup | Seminatural | Seminatural |
| *Lecania cyrtella* (Ach.) Th. Fr. | Leccyr | High disturbance | High disturbance |
| *Lecidella elaeochroma* (Ach.) M. Choisy | Lecela | High disturbance | High disturbance |
| *Lecanora expallens* Ach. | Lecexp | Low disturbance | Low disturbance |
| *Lecanora horiza* (Ach.) Linds. | Lechor | Low disturbance | Low disturbance |
| *Lepra amara* (Ach.) Hafellner | Lepama | High disturbance | Low disturbance |
| *Parmotrema hypoleucinum* (J. Steiner) Hale | Parhyp | Seminatural | Low disturbance |
| *Parmotrema perlatum* (Huds.) M. Choisy | Parper | Low disturbance | Low disturbance |
| *Parmotrema reticulatum* (Taylor) M. Choisy | Parret | Low disturbance | Low disturbance |
| *Pertusaria pertusa* (L.) Tuck. | Perper | Low disturbance | Low disturbance |
| *Phaeophyscia hirsuta* (Mereschk.) Essl. | Phahir | Low disturbance | Low disturbance |
| *Phaeophyscia orbicularis* (Neck.) Moberg | Phaorb | High disturbance | High disturbance |
| *Physcia adscendens* H. Olivier | Phyads | High disturbance | High disturbance |
| *Physcia clementei* (Turner) Lynge | Phycle | Low disturbance | Low disturbance |
| *Physcia dubia* (Hoffm.) Lettau | Phydub | High disturbance | High disturbance |
| *Physconia grisea* (Lam.) Pointe | Phygri | High disturbance | High disturbance |
| *Physcia leptalea* (Ach.) DC. | Phylep | Low disturbance | Low disturbance |
| *Physcia tenella* (Scop.) DC. | Phyten | Low disturbance | Low disturbance |
| *Physcia tribacioides* Nyl. | Phytri | Seminatural | Seminatural |
| *Punctelia borreri* (Sm.) Krog | Punbor | Low disturbance | Low disturbance |
| *Ramalina farinacea* (L.) Ach. | Ramfar | Low disturbance | Low disturbance |
| *Ramalina fastigiata* (Pers.) Ach. | Ramfas | Low disturbance | Low disturbance |
| *Ramalina lacera* (With.) J.R. Laundon | Ramlac | Seminatural | Low disturbance |
| *Rinodina capensis* Hampe | Rincap | Seminatural | Seminatural |
| *Waynea stoechadiana* (Abbassi Maaf & Cl. Roux) | Waysto | Seminatural | Seminatural |

| | | | |
|---|---|---|---|
| Cl. Roux & P. Clerc | | | |
| *Xanthoria parietina* (L.) Th. Fr. | Xanpar | High disturbance | High disturbance |

**Table S3: Spearman correlation coefficients between lichen community ordination axes (NMS1; NMS2 and NMS3), lichens CWM (High disturbance; Low disturbance and Semi-natural) and the environmental variables. Significance level is indicated by the asterisk: * = p<0.05; ** = p<0.01; *** = p<0.001. Environmental variables: Area is the area of each green space; NDVIgs is the NDVI value for the green space centroid; NDVIb100 is the NDVI value for a 100 m buffer around each green space centroid; AL - Arable land; CUF - Continuous urban fabric (S.L.: >80%); DDUF - Discontinuous dense urban fabric (S.L.: 50%-80%); DLDUF - Discontinuous low density urban fabric (S.L.: 10%-30%); DMDUF - Discontinuous medium density urban fabric (S.L.: 30%-50%); DVLUF - Discontinuous very low density urban fabric (S.L.: <10%); FTR - Fast transit roads and associated land; FOR – Forests.**

| | Area | NDVIgs | NDVIb100 | AL1000 | CUF200 | DDUF500 | DLDUF100 | DMDUF1000 | DVLUF2000 | FTR1500 | FOR2000 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **NMS1** | 0.54*** | 0.34* | 0.65*** | 0.36* | -0.33* | 0.1 | -0.01 | 0.01 | 0.16 | 0.24 | 0.36* |
| **NMS2** | 0.40* | 0.01 | 0.39* | 0.15 | -0.27 | -0.35* | -0.01 | -0.40* | 0.36* | 0.35* | 0.11 |
| **NMS3** | 0.14 | 0.06 | 0 | 0.02 | 0.06 | 0.02 | -0.36* | -0.02 | -0.23 | 0.11 | 0.09 |
| **CWM High disturbance** | -0.41** | -0.34* | -0.57*** | -0.30* | 0.35* | -0.07 | -0.14 | -0.1 | -0.18 | -0.15 | -0.37* |
| **CWM Low disturbance** | 0.60*** | 0.21 | 0.72*** | 0.38** | -0.53*** | 0.01 | 0.09 | -0.03 | 0.39** | 0.30* | 0.39** |
| **CWM Semi-natural** | 0.07 | 0.2 | 0.14 | 0.14 | -0.07 | 0.19 | 0.16 | 0.28 | 0.02 | 0.02 | 0.09 |

**Table S3: (continuation): Spearman correlation coefficients between lichen community ordination axes (NMS1; NMS2 and NMS3), lichens CWM (High disturbance; Low disturbance and Semi-natural) and the environmental variables. Significance of the correlations is indicated in superscript: * = p<0.05; ** = p<0.01; *** = p<0.001. Environmental variables: GUA - Green urban areas; HVA - Herbaceous vegetation associations; IPCM - Industrial, commercial, public, military and private units; IS - Isolated structures; LWC - Land without current use; OR - Other roads and associated land; PAST - Pastures; PC - Permanent crops; PA - Port areas; RAL - Railways and associated land; SLF - Sports and leisure facilities; W – Water.**

| | GUA200 | HVA1000 | IPCM500 | IS2000 | LWC1500 | OR500 | PAST1500 | PC1500 | PA500 | RAL2000 | SLF1000 | W500 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **NMS1** | 0.12 | 0.40** | -0.33* | 0.23 | 0.21 | -0.32* | 0.38* | 0.35* | -0.36* | 0.12 | 0.29 | -0.38* |
| **NMS2** | 0.45** | 0.29 | 0.07 | 0.31* | -0.25 | -0.33* | 0.21 | 0.08 | -0.19 | -0.36* | 0.3 | 0.12 |
| **NMS3** | -0.02 | 0.01 | 0.15 | 0.07 | -0.11 | -0.07 | -0.02 | -0.11 | 0.29 | 0.06 | -0.17 | -0.16 |
| **CWM High disturbance** | 0.07 | -0.26 | 0.41** | -0.24 | -0.21 | 0.24 | -0.26 | -0.32* | 0.37* | -0.04 | -0.34* | 0.31* |
| **CWM Low disturbance** | 0.16 | 0.42** | -0.19 | 0.35* | 0.08 | -0.36* | 0.39** | 0.31* | -0.31* | -0.17 | 0.49*** | -0.16 |
| **CWM Semi-natural** | -0.14 | 0.07 | -0.29* | 0.01 | 0.33* | -0.03 | 0.2 | 0.25 | -0.21 | 0.16 | 0.02 | -0.29* |

**Table S4: Land covers groups and respective land covers within each group, based on the classifications from Figure 4.**

| Land covers groups | Groups details |
|---|---|
| **High disturbance covers** | 1. Discontinuous dense urban fabric (S.L.: 50%-80%); 2. Industrial, commercial, public, military and private units; 3. Port areas; 4. Other roads and associated land; 5. Water. |
| **Low disturbance covers** | 1. Arable land; 2. Discontinuous very low-density urban fabric (S.L.: <10%); 3. Fast transit roads and associated land; 4. Forests; 5. Herbaceous vegetation associations; 6. Isolated structures current use; 7. Land without; 8. Pastures; 9. Permanent crops; 10. Sports and leisure facilities. |
| **Others Land covers** | 1. Airports; 2. Construction sites; 3. Continuous urban fabric (S.L. : > 80%); 4. Discontinuous low density urban fabric (S.L.: 10%-30%); 5. Discontinuous medium density urban fabric (S.L.: 30%-50%); 6. Green urban areas; 7. Mineral extraction and dump sites; 8. Open spaces with little or no vegetation; 9. Railways and associated land; 10. Wetlands. |