Annex 2  Distribution and habitat suitability maps of revised EUNIS vegetated man-made habitats
Statistics from Maxent modelling

AUC training (0-1) 0.8325
AUC test (0-1) 0.8325
10 percentile training presence threshold (0-1) 0.2955

Contribution variables to the Maxent model (%)

- Population density 2018 26.9016
- Mean temperature of wettest quarter 24.3269
- Precipitation of warmest quarter 20.8582
- Bulk density (kg/m³) 6.9608
- Precipitation seasonality (coef. of var.) 6.3702
- Volume % of coarse fragments (> 2 mm) 2.491
- Land Use Land cover (LULC 2012) 2.1477
- Temperature seasonality (stdev * 100) 2.0464
- Potential Evapotranspiration 1.7184
- Phenology; Low of season (day number) 0.9553
- Weight in % of sand particles (0.05-2 mm) 0.7564
- Weight in % of clay particles (<0.0002 mm) 0.6405
- Phenology; NDVI mean 0.5785
- Soil pH (water) 0.4763
- Solar radiation 0.3472
- Cation Exchange Capacity of the soil 0.3107
- Phenology; End of Season (day number) 0.2738
- Phenology; Start of Season (day number) 0.2498
- Annual precipitation 0.1715
- Phenology; NDVI seasonality 0.1589
- Weight in % of silt particles (0.0002-0.05 mm) 0.1477
Statistics from Maxent modelling

AUC training (0-1) 0.9433
AUC test (0-1) 0.9207
10 percentile training presence threshold (0-1) 0.26

Contribution variables to the Maxent model (%)

- Population density 2018 35.3372
- Precipitation of warmest quarter 17.5773
- Precipitation seasonality (coef. of var.) 9.4982
- Mean temperature of wettest quarter 9.2334
- Temperature seasonality (stdev * 100) 5.7318
- Bulk density (kg/m³) 5.0741
- Volume % of coarse fragments (> 2 mm) 3.2455
- Cation Exchange Capacity of the soil 2.562
- Land Use Land cover (LULC 2012) 1.8376
- Weight in % of clay particles (<0.0002 mm) 1.754
- Phenology; NDVI mean 1.5819
- Phenology; NDVI seasonality 0.9911
- Weight in % of silt particles (0.0002-0.05 mm) 0.7513
- Potential Evapotranspiration 0.6068
- Phenology; Length of season (days) 0.4741
- Vegetation height (m) 0.4072
- Weight in % of sand particles (0.05-2 mm) 0.2794
- Solar radiation 0.2676
- Phenology; Low of season (day number) 0.2038
- Annual precipitation 0.1797

V12 Mixed crops of market gardens and horticulture - binary map
V13 Arable land with unmixed crops grown by low-intensity agricultural methods - distribution

V13 Arable land with unmixed crops grown by low-intensity agricultural methods - suitability
Statistics from Maxent modelling

<table>
<thead>
<tr>
<th>Contribution variables to the Maxent model (%)</th>
<th>Contribution (%)</th>
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</thead>
<tbody>
<tr>
<td>Mean temperature of wettest quarter</td>
<td>26.1974</td>
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<tr>
<td>Population density 2018</td>
<td>25.5966</td>
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<tr>
<td>Bulk density (kg/m³)</td>
<td>11.5317</td>
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<td>Precipitation seasonality (coef. of var.)</td>
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<td>5.7341</td>
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<td>Weight in % of clay particles (&lt;0.0002 mm)</td>
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<tr>
<td>Volume % of coarse fragments (&gt; 2 mm)</td>
<td>2.5123</td>
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<tr>
<td>Land Use Land cover (LULC 2012)</td>
<td>2.2033</td>
</tr>
<tr>
<td>Solar radiation</td>
<td>2.04</td>
</tr>
<tr>
<td>Phenology; Low of season (day number)</td>
<td>1.8338</td>
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<tr>
<td>Weight in % of sand particles (0.05-2 mm)</td>
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<tr>
<td>Phenology; NDVI mean</td>
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<tr>
<td>Potential Evapotranspiration</td>
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<tr>
<td>Annual precipitation</td>
<td>0.5948</td>
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<tr>
<td>Precipitation of warmest quarter</td>
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<tr>
<td>Soil pH (water)</td>
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<tr>
<td>Soil organic carbon content (‰)</td>
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<tr>
<td>Phenology; Peak of season (day number)</td>
<td>0.4178</td>
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</tbody>
</table>

V13 Arable land with unmixed crops grown by low-intensity agricultural methods - binary map
Weight in % of silt particles (0.0002-0.05 mm) 0.2566
Vegetation height (m) 0.1586
Phenology; End of Season (day number) 0.1051

V14 Inundated or inundatable cropland, including rice fields - distribution

V14 Inundated or inundatable cropland, including rice fields - suitability
Statistics from Maxent modelling

AUC training (0-1) 0.9972
AUC test (0-1) 0.98
10 percentile training presence threshold (0-1) 0.4792

Contribution variables to the Maxent model (%)

- Land Use Land cover (LULC 2012) 21.8183
- Soil pH (water) 15.9987
- Potential Evapotranspiration 9.176
- Precipitation of warmest quarter 5.314
- Mean temperature of wettest quarter 4.2547
- Precipitation seasonality (coef. of var.) 4.0092
- Population density 2018 3.0943
- Phenology; Low of season (day number) 2.0311
- Annual precipitation 1.1838
- Volume % of coarse fragments (> 2 mm) 0.9073
- Weight in % of sand particles (0.05-2 mm) 0.9015
- Phenology; Peak of season (day number) 0.5039
- Weight in % of clay particles (<0.0002 mm) 0.4997
- Cation Exchange Capacity of the soil 0.4201
- Soil organic carbon content (‰) 0.3075
- Phenology; NDVI seasonality 0.2185

V14 Inundated or inundatable cropland, including rice fields - binary map
Phenology; Length of season (days) 0.2042
Bulk density (kg/m³) 0.1384

V15 Bare tilled, fallow or recently abandoned arable land - distribution

V15 Bare tilled, fallow or recently abandoned arable land - suitability
Statistics from Maxent modelling

AUC training (0-1) 0.7951
AUC test (0-1) 0.7939
10 percentile training presence threshold (0-1) 0.3503

Contribution variables to the Maxent model (%)

<table>
<thead>
<tr>
<th>Variable</th>
<th>Contribution (%)</th>
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<tbody>
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<td>Bulk density (kg/m³)</td>
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<tr>
<td>Mean temperature of wettest quarter</td>
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<td>Temperature seasonality (stdev * 100)</td>
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<td>Annual precipitation</td>
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<td>Precipitation seasonality (coef. of var.)</td>
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<td>Potential Evapotranspiration</td>
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<td>Phenology; Length of season (days)</td>
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<td>Weight in % of sand particles (0.05-2 mm)</td>
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<td>Solar radiation</td>
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<td>Phenology; NDVI mean</td>
<td>0.2975</td>
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</table>

V15 Bare tilled, fallow or recently abandoned arable land - binary map
V32 Mediterranean subnitrophilous annual grassland - distribution

V32 Mediterranean subnitrophilous annual grassland - suitability
Statistics from Maxent modelling

AUC training (0-1) 0.8692
AUC test (0-1) 0.866
10 percentile training presence threshold (0-1) 0.3719

Contribution variables to the Maxent model (%)

- Precipitation of warmest quarter 20.8808
- Potential Evapotranspiration 15.8753
- Soil pH (water) 14.3077
- Temperature seasonality (stdev * 100) 14.3049
- Precipitation seasonality (coef. of var.) 7.5231
- Bulk density (kg/m³) 6.9828
- Population density 2018 3.3127
- Phenology: End of Season (day number) 3.1536
- Volume % of coarse fragments (> 2 mm) 2.6732
- Phenology: Start of Season (day number) 2.511
- Weight in % of clay particles (<0.0002 mm) 1.7541
- Phenology: Low of season (day number) 1.5407

V32 Mediterranean subnitrophilous annual grassland - binary map
V33 Dry mediterranean lands with unpalatable non-vernal herbaceous vegetation - distribution

V33 Dry mediterranean lands with unpalatable non-vernal herbaceous vegetation - suitability
Statistics from Maxent modelling

AUC training (0-1) 0.9565
AUC test (0-1) 0.9424
10 percentile training presence threshold (0-1) 0.3331

Contribution variables to the Maxent model (%)

- Temperature seasonality (stdev * 100) 20.6518
- Weight in % of clay particles (<0.0002 mm) 14.7777
- Population density 2018 10.4501
- Soil pH (water) 9.5841
- Precipitation seasonality (coef. of var.) 6.2521
- Precipitation of warmest quarter 5.8854
- Potential Evapotranspiration 5.5419
- Bulk density (kg/m³) 5.0562
- Land Use Land cover (LULC 2012) 3.6592
- Soil organic carbon content (%) 2.1085

V33 Dry mediterranean lands with unpalatable non-vernal herbaceous vegetation - binary map
Phenology; Length of season (days) 1.9314
Phenology; NDVI mean 1.5846
Mean temperature of wettest quarter 1.4505
Cation Exchange Capacity of the soil 1.1685
Weight in % of silt particles (0.0002-0.05 mm) 1.1663
Phenology; Peak of season (day number) 1.112
Phenology; End of Season (day number) 0.9025
Annual precipitation 0.8493
Vegetation height (m) 0.7775
Phenology; Start of Season (day number) 0.5115
Phenology; NDVI seasonality 0.4921
Weight in % of sand particles (0.05-2 mm) 0.4701
Phenology; Low of season (day number) 0.4102

V34 Trampled xeric grassland with annuals - distribution

V34 Trampled xeric grassland with annuals - suitability
Statistics from Maxent modelling

AUC training (0-1) 0.889
AUC test (0-1) 0.8845
10 percentile training presence threshold (0-1) 0.2526

Contribution variables to the Maxent model (%)

- Population density 2018: 36.799
- Bulk density (kg/m³): 20.3695
- Mean temperature of wettest quarter: 6.9695
- Potential Evapotranspiration: 6.5155
- Soil pH (water): 5.2795
- Precipitation seasonality (coef. of var.): 3.6659
- Phenology; NDVI mean: 2.7488
- Land Use Land cover (LULC 2012): 2.5891

V34 Trampled xeric grassland with annuals - binary map
V35 Trampled mesophilous grassland with annuals - distribution

V35 Trampled mesophilous grassland with annuals - suitability
Statistics from Maxent modelling

<table>
<thead>
<tr>
<th>Metric</th>
<th>Value</th>
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<tr>
<td>AUC training (0-1)</td>
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<td>AUC test (0-1)</td>
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<td>Temperature seasonality (stdev * 100)</td>
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<td>Land Use Land cover (LULC 2012)</td>
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<td>Precipitation seasonality (coef. of var.)</td>
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</table>

V35 Trampled mesophilous grassland with annuals - binary map
<table>
<thead>
<tr>
<th>Variable</th>
<th>Score</th>
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<tbody>
<tr>
<td>Soil pH (water)</td>
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<td>Bulk density (kg/m³)</td>
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<td>Phenology; Low of season (day number)</td>
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<td>Phenology; Start of Season (day number)</td>
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<td>Solar radiation</td>
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<td>Annual precipitation</td>
<td>0.8439</td>
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<tr>
<td>Weight in % of sand particles (0.05-2 mm)</td>
<td>0.8392</td>
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<tr>
<td>Mean temperature of wettest quarter</td>
<td>0.6834</td>
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<td>Phenology; End of Season (day number)</td>
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<td>Volume % of coarse fragments (&gt; 2 mm)</td>
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<tr>
<td>Phenology; Peak of season (day number)</td>
<td>0.3272</td>
</tr>
<tr>
<td>Phenology; NDVI seasonality</td>
<td>0.2094</td>
</tr>
<tr>
<td>Weight in % of clay particles (&lt;0.0002 mm)</td>
<td>0.1695</td>
</tr>
<tr>
<td>Phenology; Length of season (days)</td>
<td>0.1025</td>
</tr>
</tbody>
</table>

V37 Annual anthropogenic herbaceous vegetation - distribution

V37 Annual anthropogenic herbaceous vegetation - suitability
V37 Annual anthropogenic herbaceous vegetation - binary map

Statistics from Maxent modelling

- AUC training (0-1): 0.8159
- AUC test (0-1): 0.8168
- 10 percentile training presence threshold (0-1): 0.3259
- Contribution variables to the Maxent model (%):
  - Population density 2018: 41.4644
  - Bulk density (kg/m³): 23.3459
  - Mean temperature of wettest quarter: 9.9475
  - Soil pH (water): 3.7986
<table>
<thead>
<tr>
<th>Land Use Land cover (LULC 2012)</th>
<th>3.6065</th>
</tr>
</thead>
<tbody>
<tr>
<td>Precipitation of warmest quarter</td>
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<td>Precipitation seasonality (coef. of var.)</td>
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<tr>
<td>Temperature seasonality (stdev * 100)</td>
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<tr>
<td>Phenology: Length of season (days)</td>
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<tr>
<td>Annual precipitation</td>
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<tr>
<td>Weight in % of silt particles (0.0002-0.05 mm)</td>
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<tr>
<td>Volume % of coarse fragments (&gt; 2 mm)</td>
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<tr>
<td>Phenology: NDVI mean</td>
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<td>Weight in % of clay particles (&lt;0.0002 mm)</td>
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<td>Potential Evapotranspiration</td>
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<tr>
<td>Solar radiation</td>
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<tr>
<td>Vegetation height (m)</td>
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<tr>
<td>Soil organic carbon content (%o)</td>
<td>0.2338</td>
</tr>
<tr>
<td>Weight in % of sand particles (0.05-2 mm)</td>
<td>0.1659</td>
</tr>
</tbody>
</table>

**V38 Dry perennial anthropogenic herbaceous vegetation - distribution**

**V38 Dry perennial anthropogenic herbaceous vegetation - suitability**
Statistics from Maxent modelling

AUC training (0-1) 0.8111
AUC test (0-1) 0.7867
10 percentile training presence threshold (0-1) 0.3107

Contribution variables to the Maxent model (%)
- Population density 2018 43.4983
- Bulk density (kg/m³) 10.4038

V38 Dry perennial anthropogenic herbaceous vegetation - binary map
Precipitation of warmest quarter 10.3376
Potential Evapotranspiration 9.0554
Mean temperature of wettest quarter 6.7573
Phenology; NDVI mean 3.3416
Temperature seasonality (stdev * 100) 2.8245
Land Use Land cover (LULC 2012) 2.5462
Precipitation seasonality (coef. of var.) 2.4804
Phenology; Low of season (day number) 2.3154
Annual precipitation 1.4091
Weight in % of silt particles (0.0002-0.05 mm) 0.2297
Phenology; NDVI seasonality 0.2258
Phenology; Peak of season (day number) 0.22
Phenology; Length of season (days) 0.1894
Weight in % of sand particles (0.05-2 mm) 0.1677
Volume % of coarse fragments (> 2 mm) 0.1535
Vegetation height (m) 0.1137
Inundation; occurrence 0.109

V39 Mesic perennial anthropogenic herbaceous vegetation - distribution

V39 Mesic perennial anthropogenic herbaceous vegetation - suitability
Statistics from Maxent modelling

AUC training (0-1) 0.8436
AUC test (0-1) 0.8261
10 percentile training presence threshold (0-1) 0.3104
Contribution variables to the Maxent model (%)
<table>
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<tr>
<th>Environmental Parameter</th>
<th>Value</th>
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<tr>
<td>Soil organic carbon content (%)</td>
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<tr>
<td>Phenology; NDVI seasonality</td>
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<tr>
<td>Soil pH (water)</td>
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<tr>
<td>Phenology; End of Season (day number)</td>
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<tr>
<td>Cation Exchange Capacity of the soil</td>
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