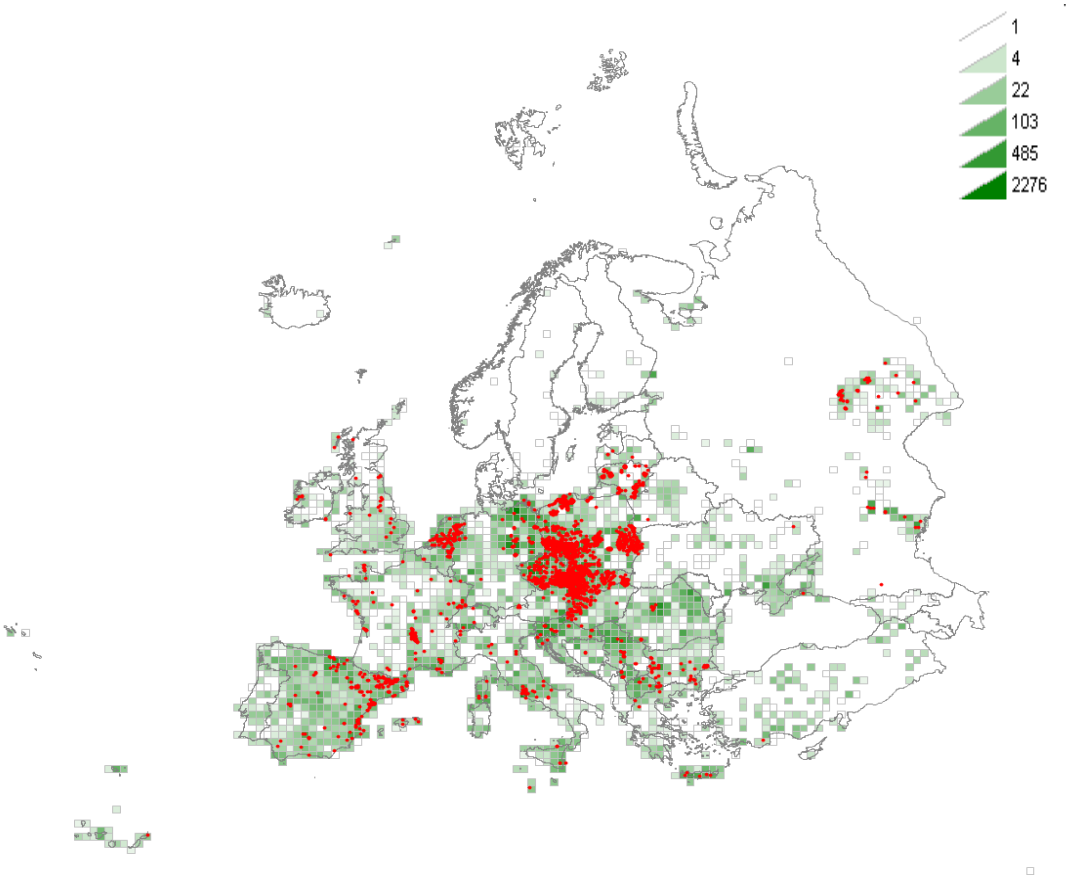
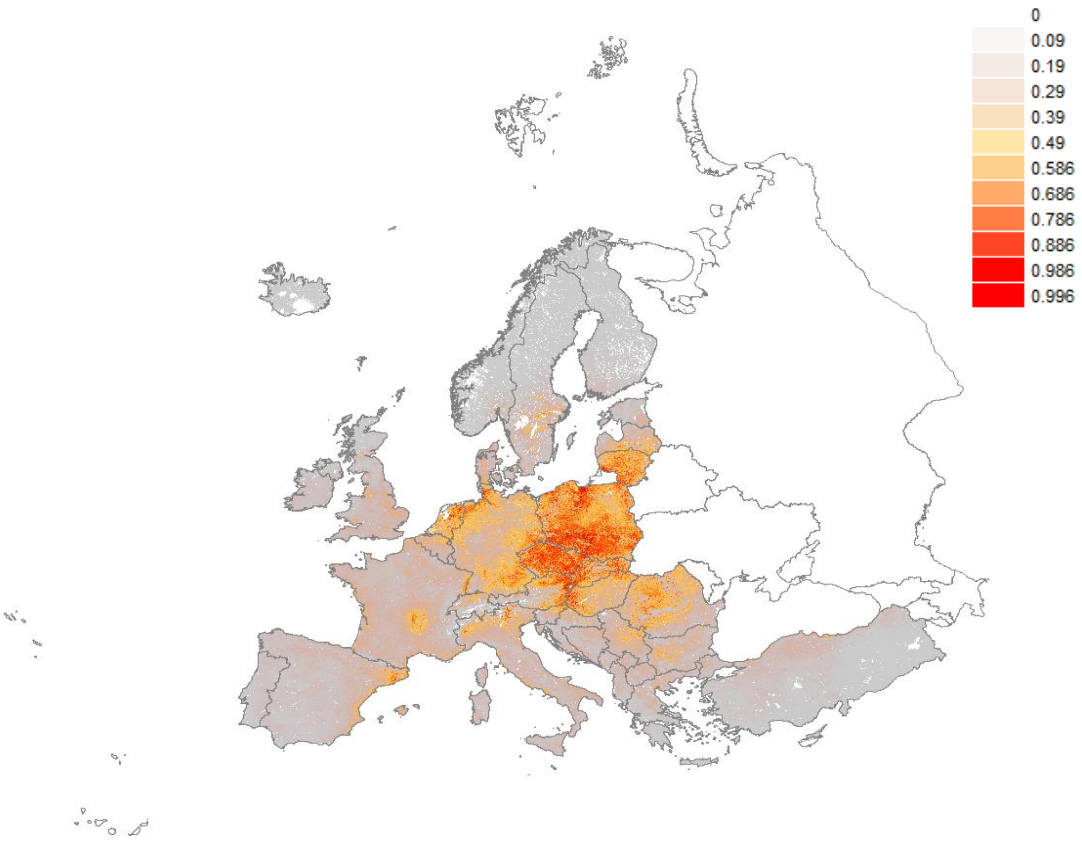
Annex 2 Distribution and habitat suitability maps of revised EUNIS vegetated man-made habitats

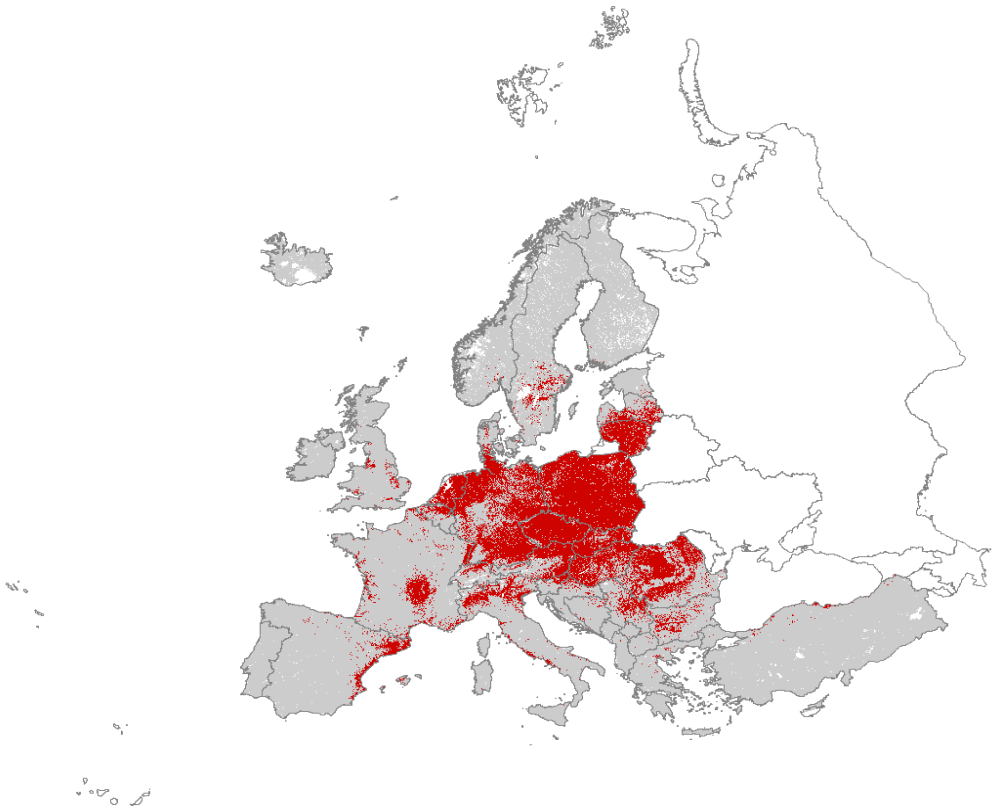
V11 Intensive unmixed crops - distribution



V11 Intensive unmixed crops - suitability



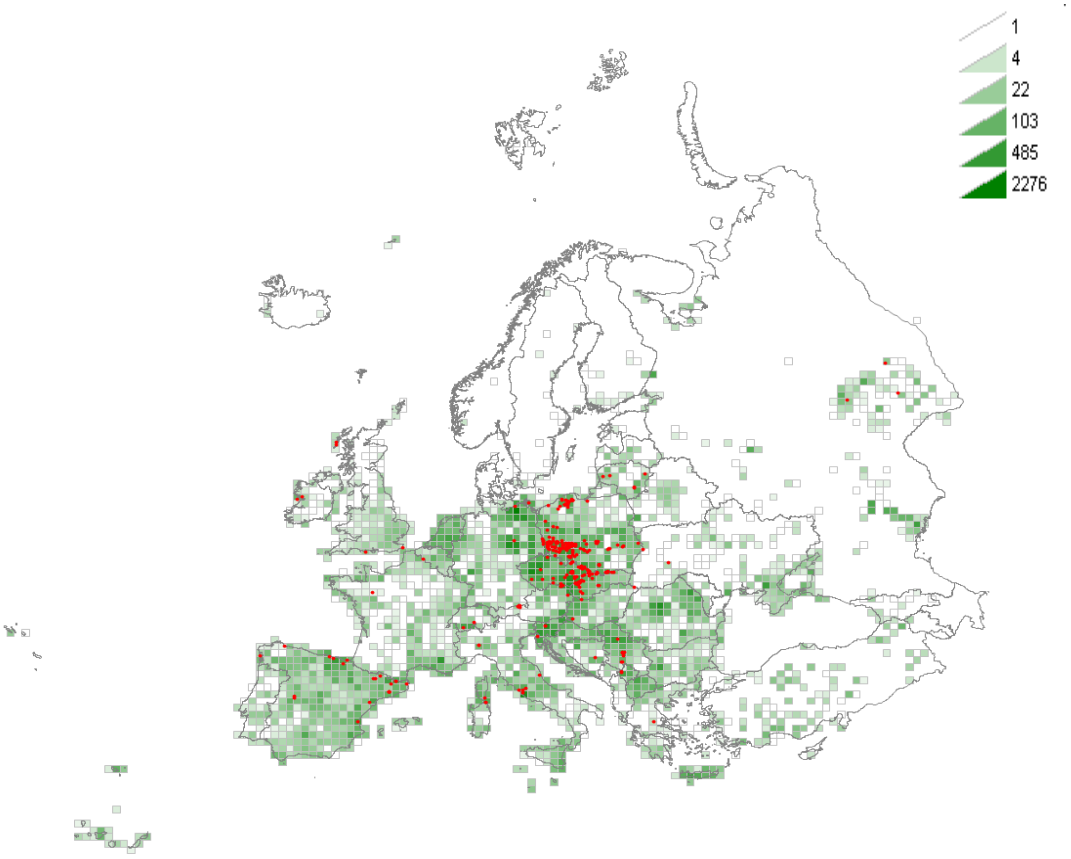
V11 Intensive unmixed crops - binary map



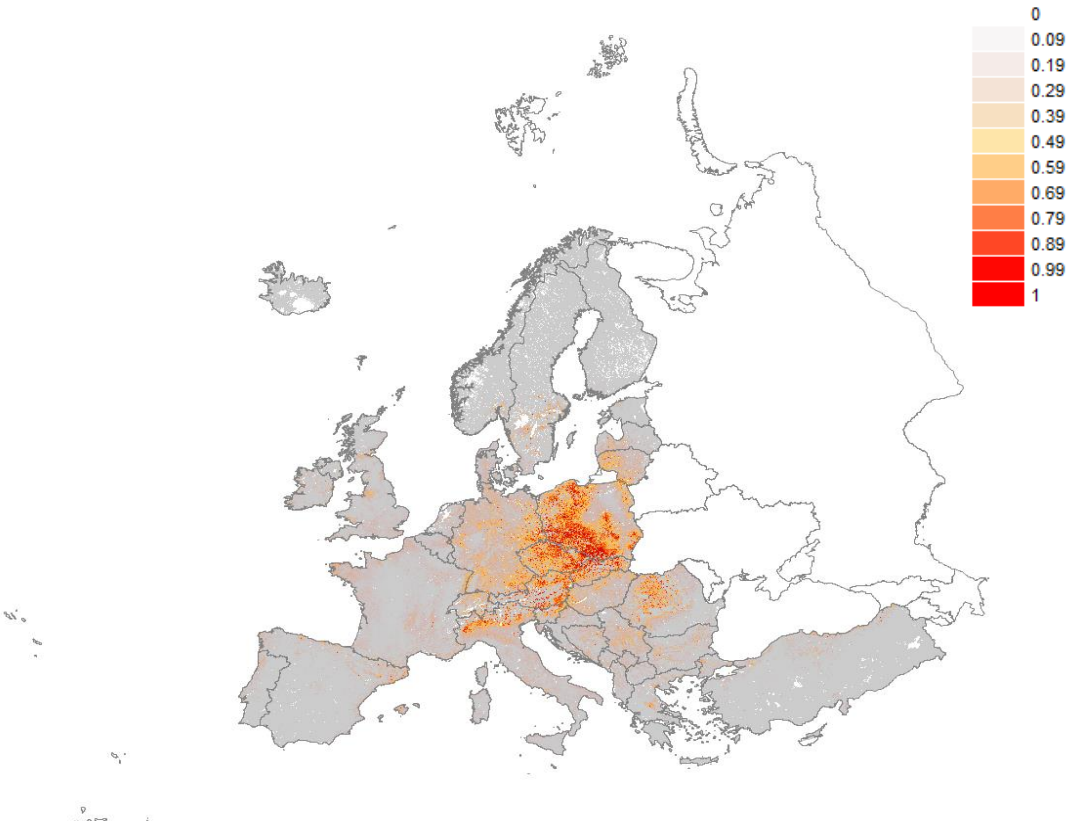
Statistics from Maxent modelling

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

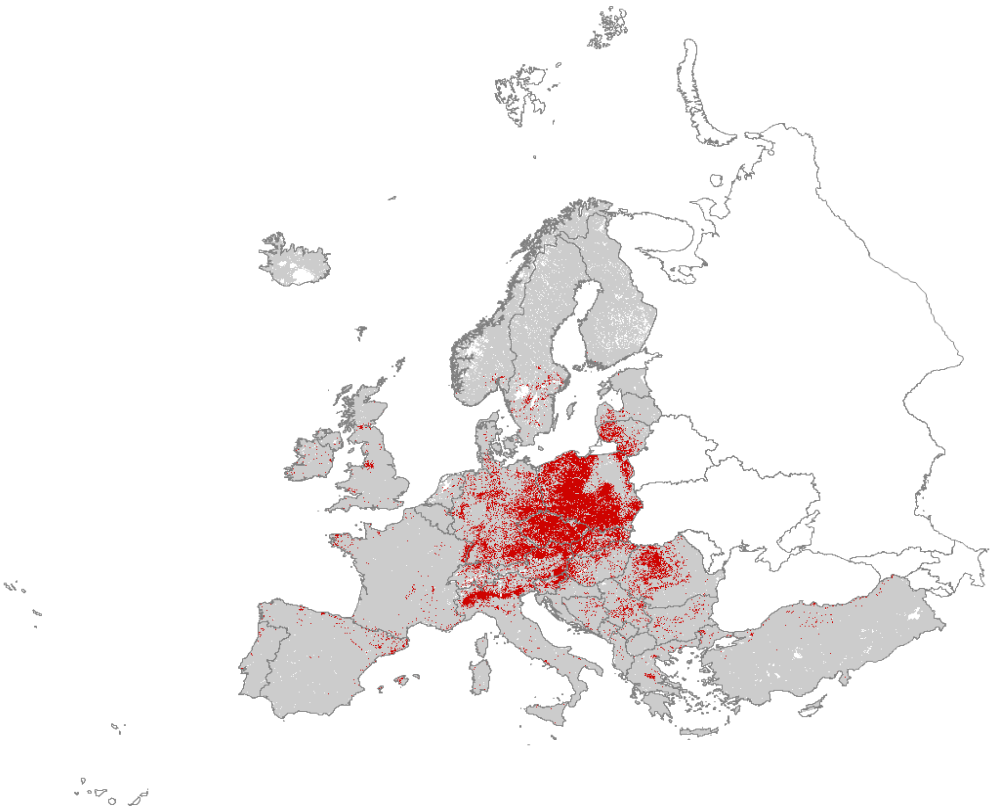
V12 Mixed crops of market gardens and horticulture - distribution



V12 Mixed crops of market gardens and horticulture - suitability



V12 Mixed crops of market gardens and horticulture - binary map

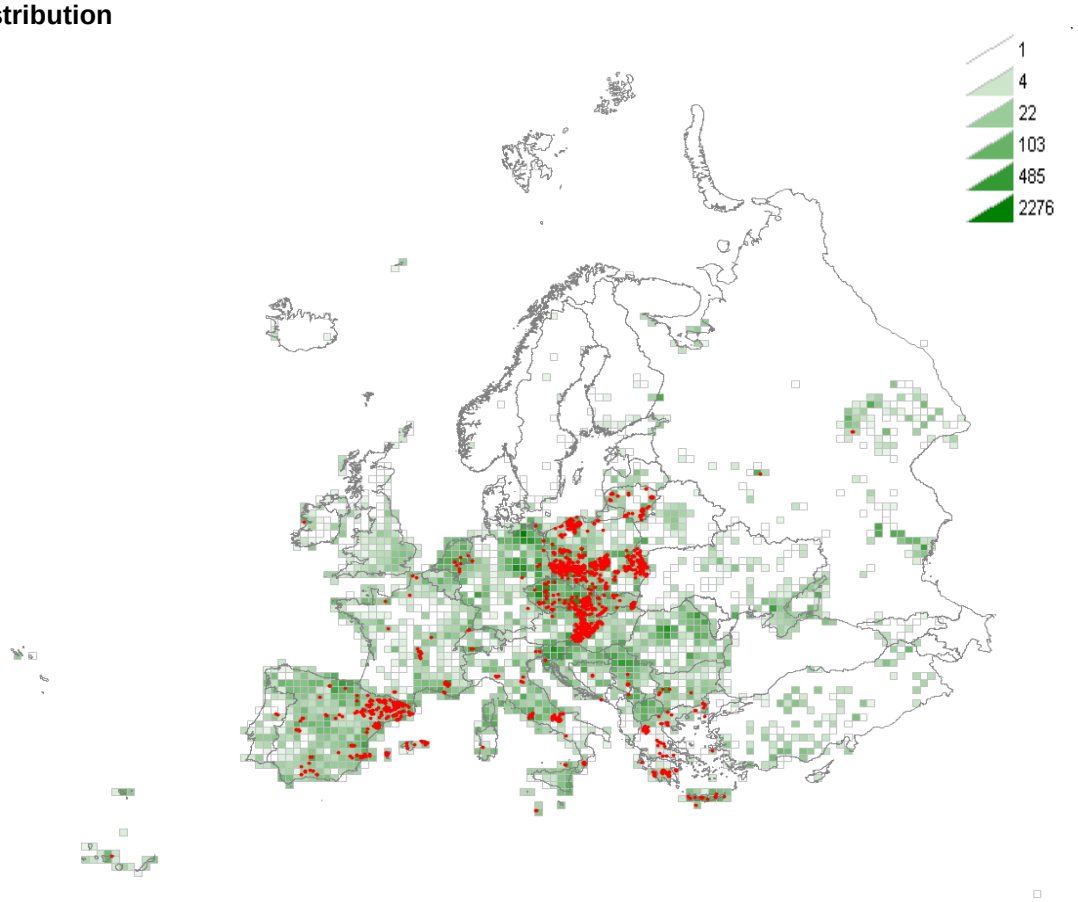


Statistics from Maxent modelling

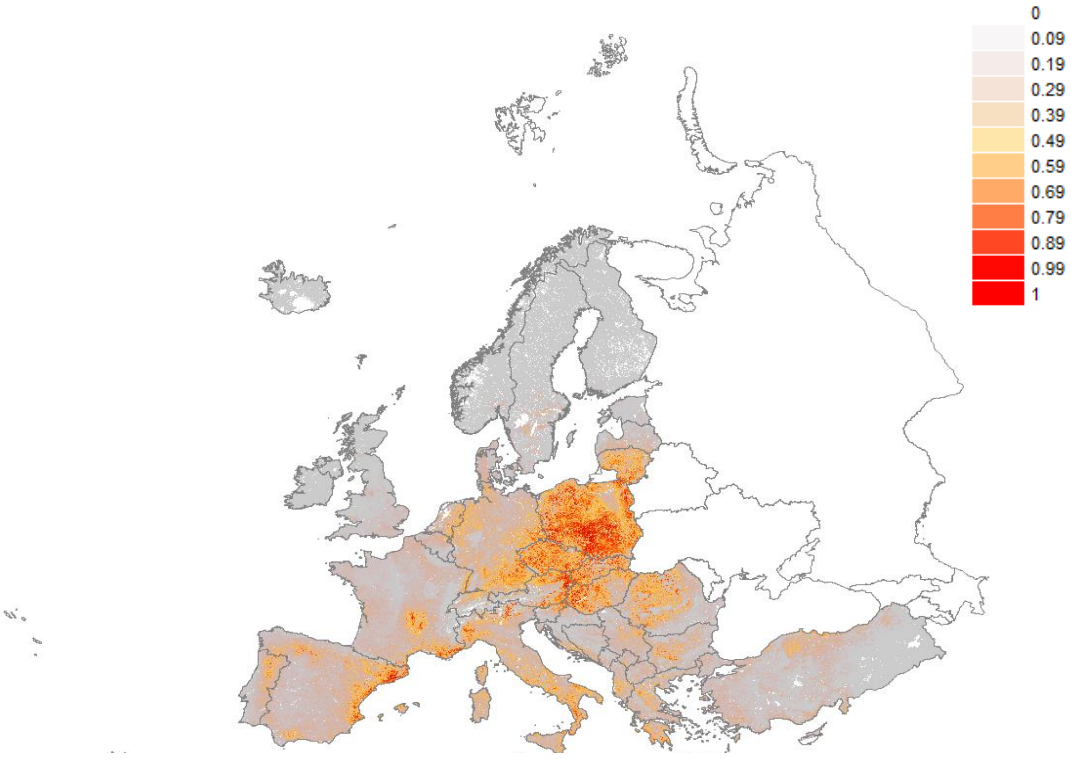
AUC training (0-1)	0.9433
AUC test (0-1)	0.9207
10 percentile training presence threshold (0-1)	0.26
Contribution variables to the Maxent model (%)	
Population density 2018	35.3372
Precipitation of warmest quarter	17.5773
Precipitation seasonality (coef. of var.)	9.4982
Mean temperature of wettest quarter	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

Phenology; End of Season (day number)	0.1754
Soil pH (water)	0.1422
Inundation; occurrence	0.1261

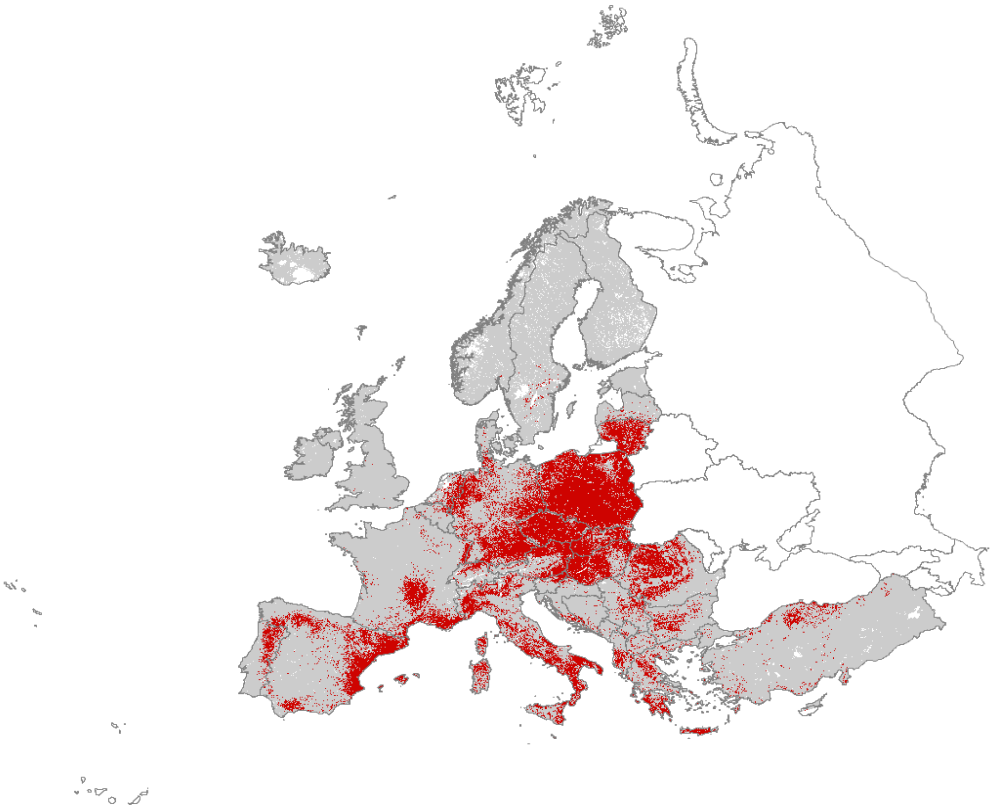
V13 Arable land with unmixed crops grown by low-intensity agricultural methods - distribution



V13 Arable land with unmixed crops grown by low-intensity agricultural methods - suitability



V13 Arable land with unmixed crops grown by low-intensity agricultural methods - binary map

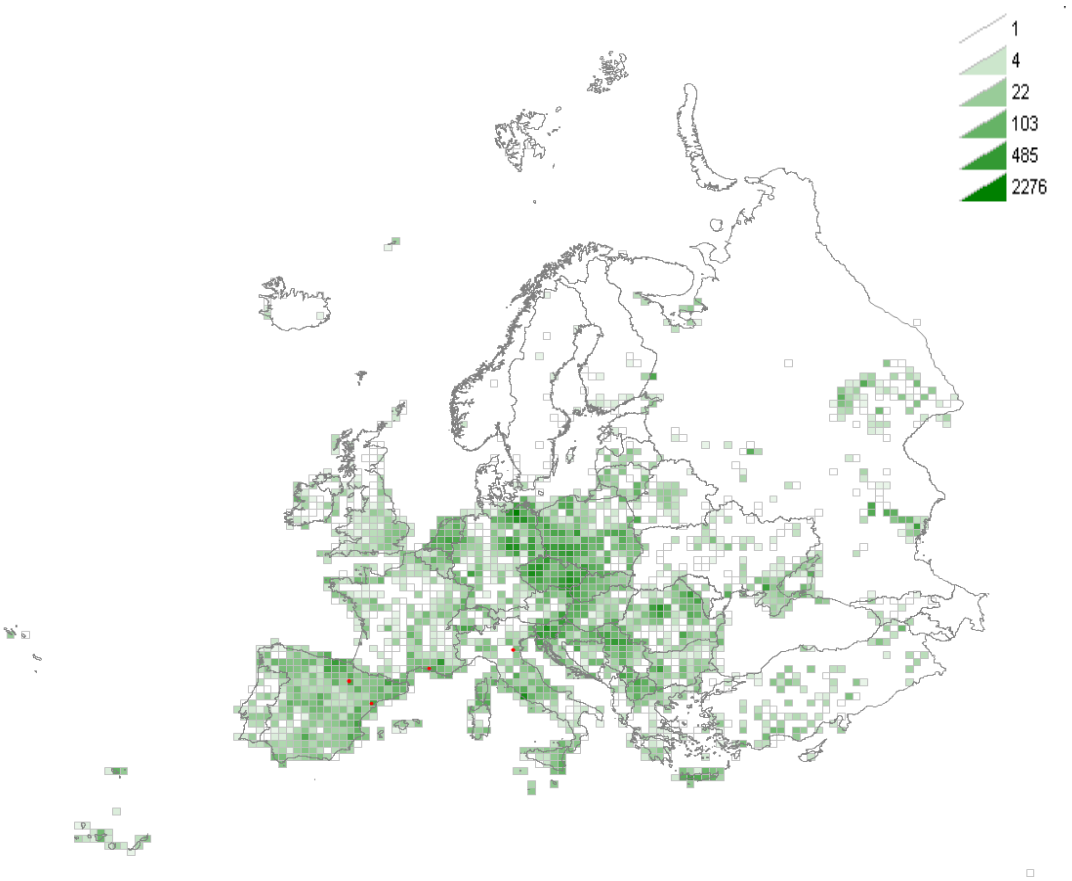


Statistics from Maxent modelling

AUC training (0-1)	0.8683
AUC test (0-1)	0.868
10 percentile training presence threshold (0-1)	0.2775
Contribution variables to the Maxent model (%)	
Mean temperature of wettest quarter	26.1974
Population density 2018	25.5966
Bulk density (kg/m³)	11.5317
Precipitation seasonality (coef. of var.)	6.7742
Temperature seasonality (stdev * 100)	5.7341
Weight in % of clay particles (<0.0002 mm)	4.1704
Volume % of coarse fragments (> 2 mm)	2.5123
Land Use Land cover (LULC 2012)	2.2033
Solar radiation	2.04
Phenology; Low of season (day number)	1.8338
Weight in % of sand particles (0.05-2 mm)	1.8138
Phenology; NDVI mean	1.2892
Potential Evapotranspiration	1.0007
Annual precipitation	0.5948
Precipitation of warmest quarter	0.5087
Soil pH (water)	0.5002
Soil organic carbon content (‰)	0.4841
Phenology; Peak of season (day number)	0.4178

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

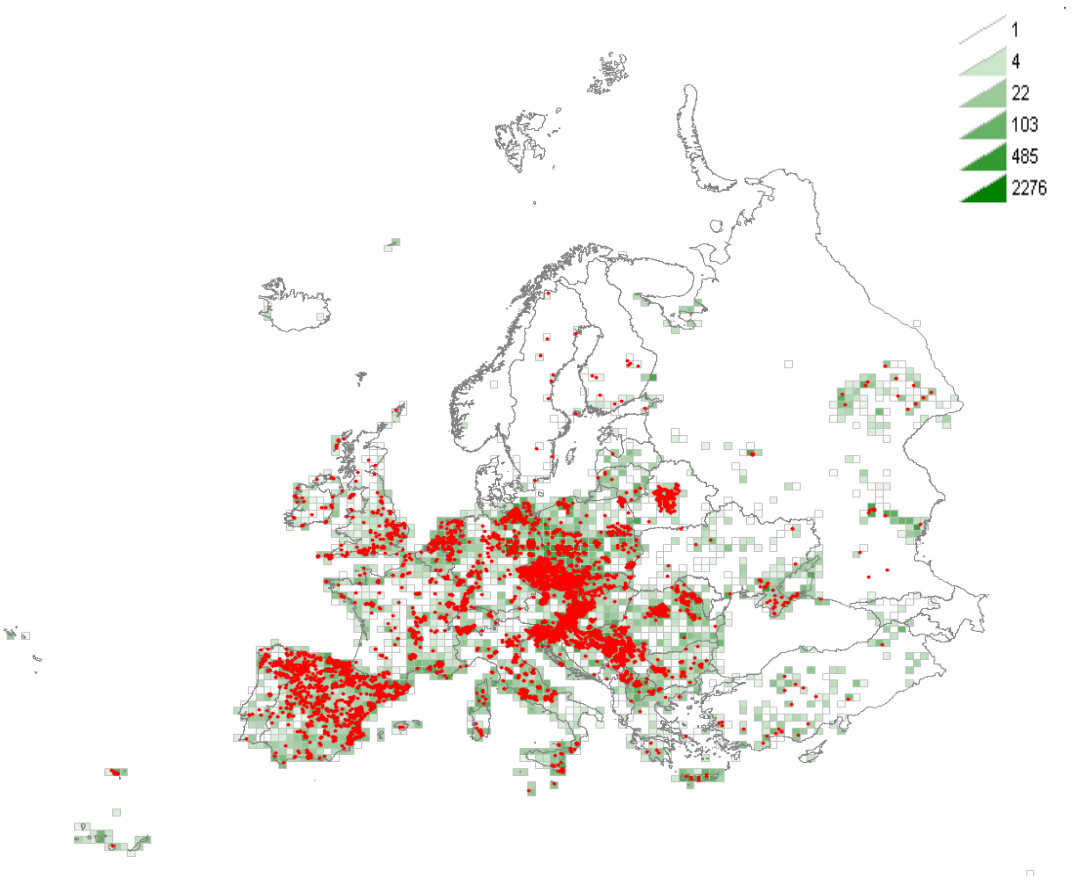
V14 Inundated or inundatable cropland, including rice fields - binary map

Statistics from Maxent modelling

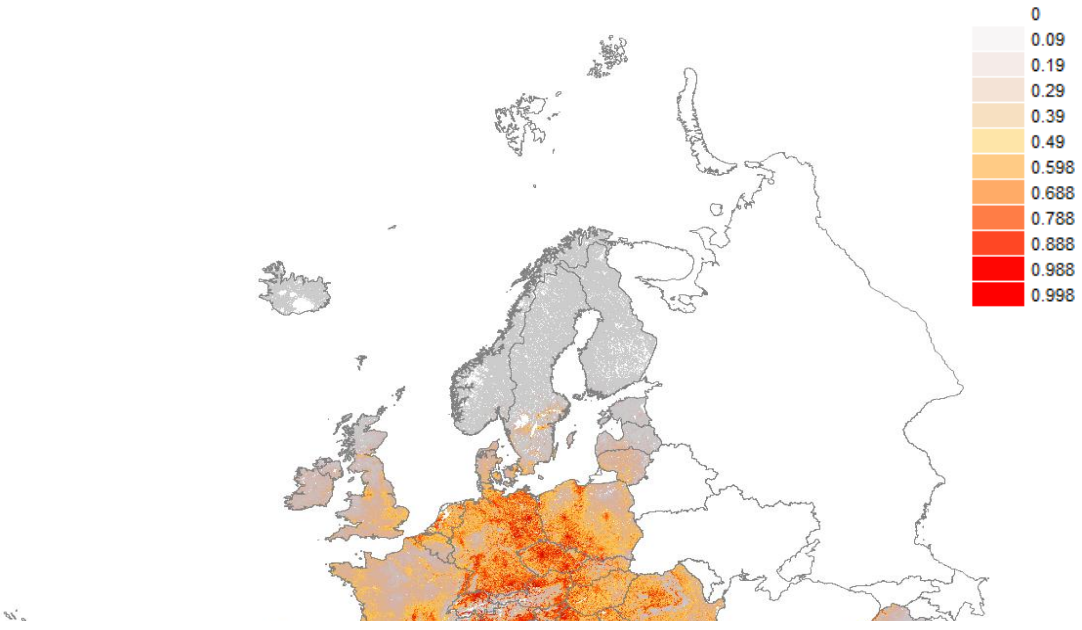
AUC training (0-1)	0.9972
AUC test (0-1)	0.98
10 percentile training presence threshold (0-1)	0.4792
Contribution variables to the Maxent model (%)	
Land Use Land cover (LULC 2012)	21.8183
Soil pH (water)	15.9987
Potential Evapotranspiration	9.176
Precipitation of warmest quarter	5.314
Mean temperature 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

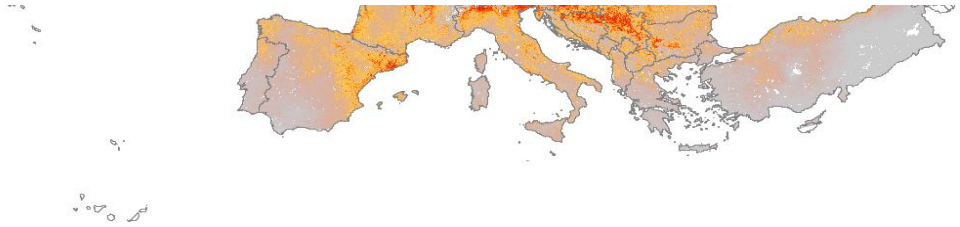
Phenology; Length of season (days)	0.2042
Bulk density (kg/m³)	0.1384

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

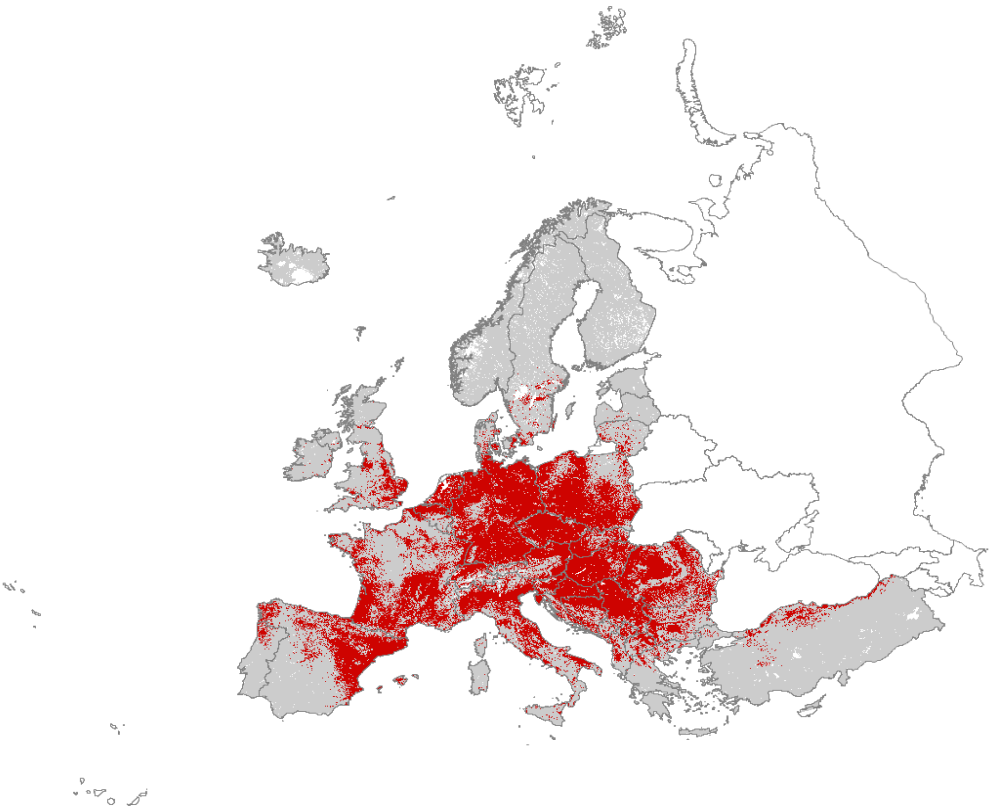


V15 Bare tilled, fallow or recently abandoned arable land - suitability





V15 Bare tilled, fallow or recently abandoned arable land - binary map

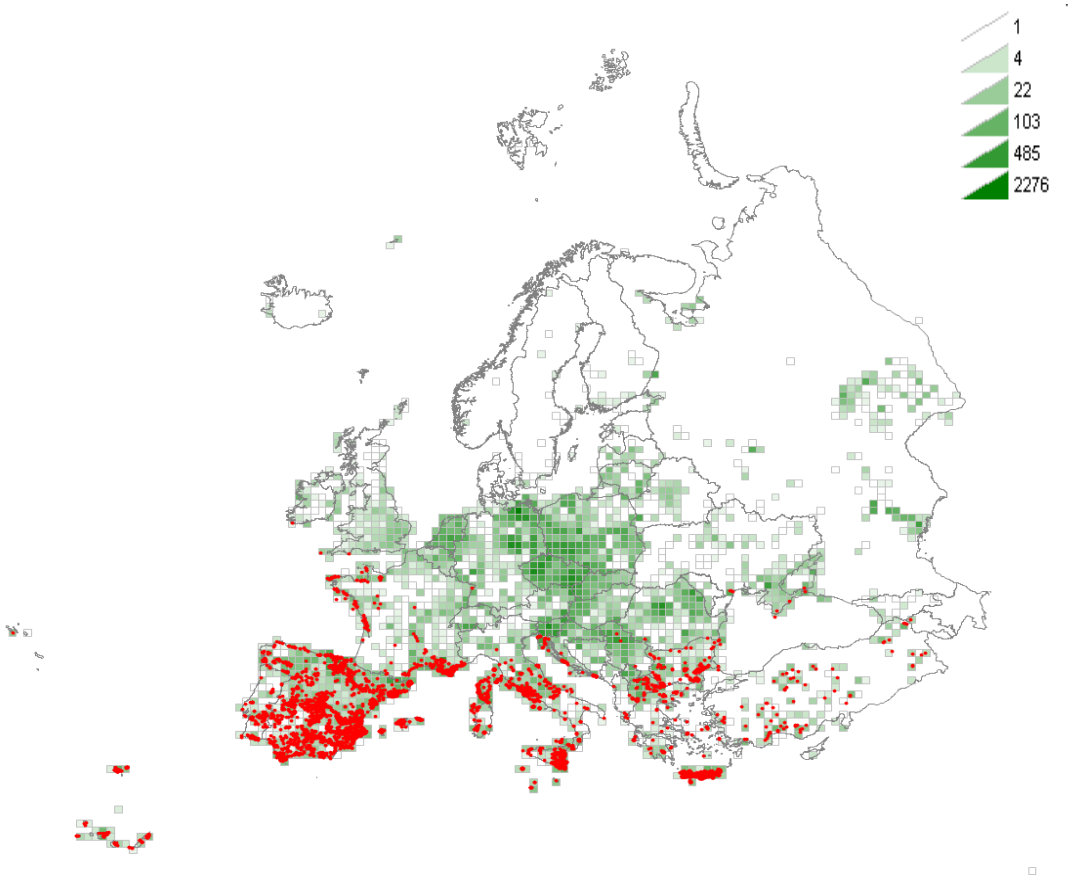


Statistics from Maxent modelling

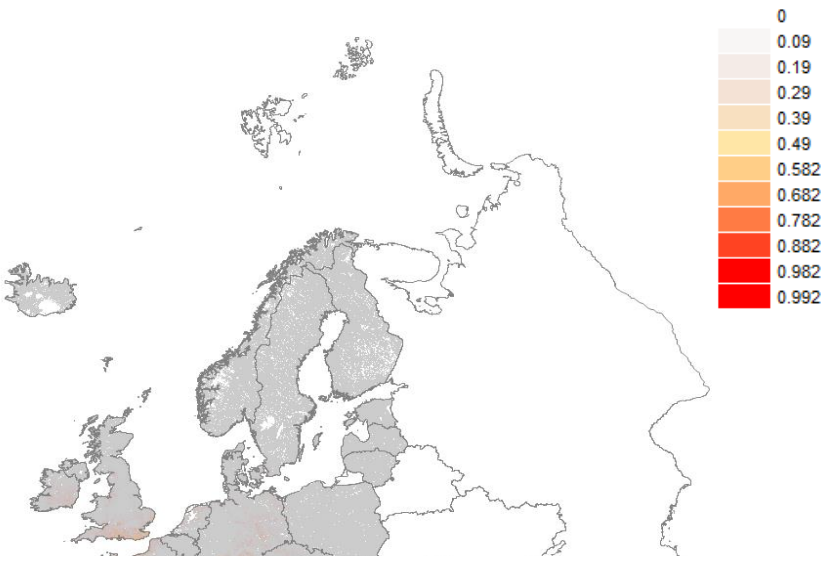
AUC training (0-1)	0.7951
AUC test (0-1)	0.7939
10 percentile training presence threshold (0-1)	0.3503
Contribution variables to the Maxent model (%)	
Population density 2018	29.7528
Bulk density (kg/m³)	25.3909
Precipitation of warmest quarter	13.6865
Mean temperature of wettest quarter	13.366
Temperature seasonality (stdev * 100)	6.5022
Annual precipitation	2.1022
Precipitation seasonality (coef. of var.)	2.0385
Potential Evapotranspiration	1.4681
Phenology; Length of season (days)	1.0849
Weight in % of sand particles (0.05-2 mm)	1.0257
Phenology; Low of season (day number)	0.5372
Land Use Land cover (LULC 2012)	0.4393
Solar radiation	0.4202
Phenology; NDVI mean	0.2975

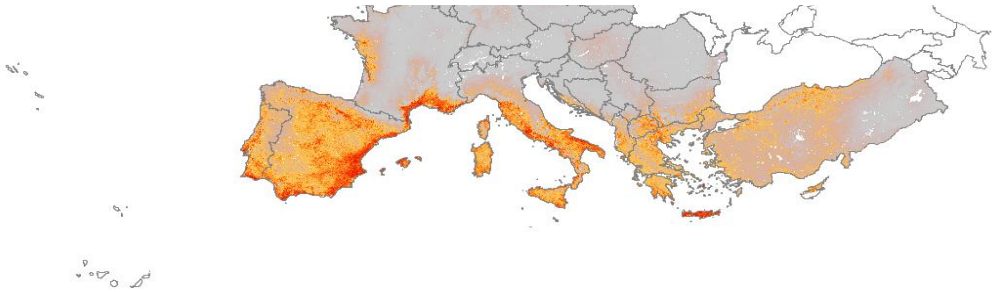
Weight in % of clay particles (<0.0002 mm)	0.2958
Phenology; Start of Season (day number)	0.2026
Vegetation height (m)	0.1571
Volume % of coarse fragments (> 2 mm)	0.1533
Phenology; End of Season (day number)	0.1417
Soil pH (water)	0.1315

V32 Mediterranean subnitrophilous annual grassland - distribution

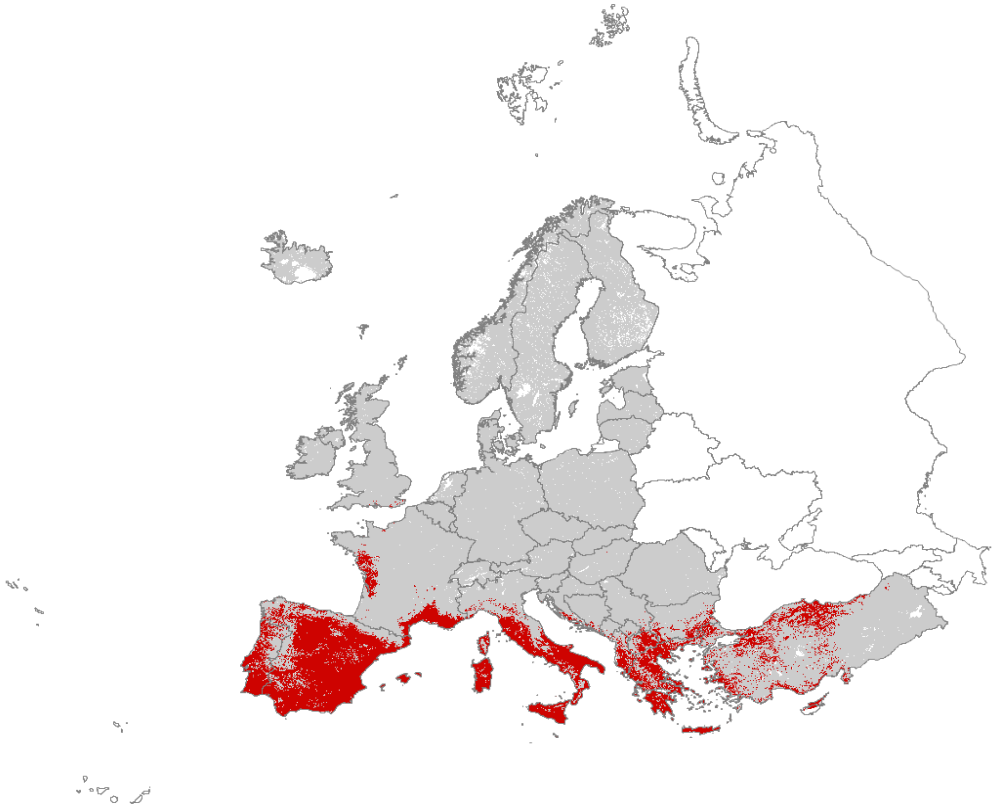


V32 Mediterranean subnitrophilous annual grassland - suitability





V32 Mediterranean subnitrophilous annual grassland - binary map

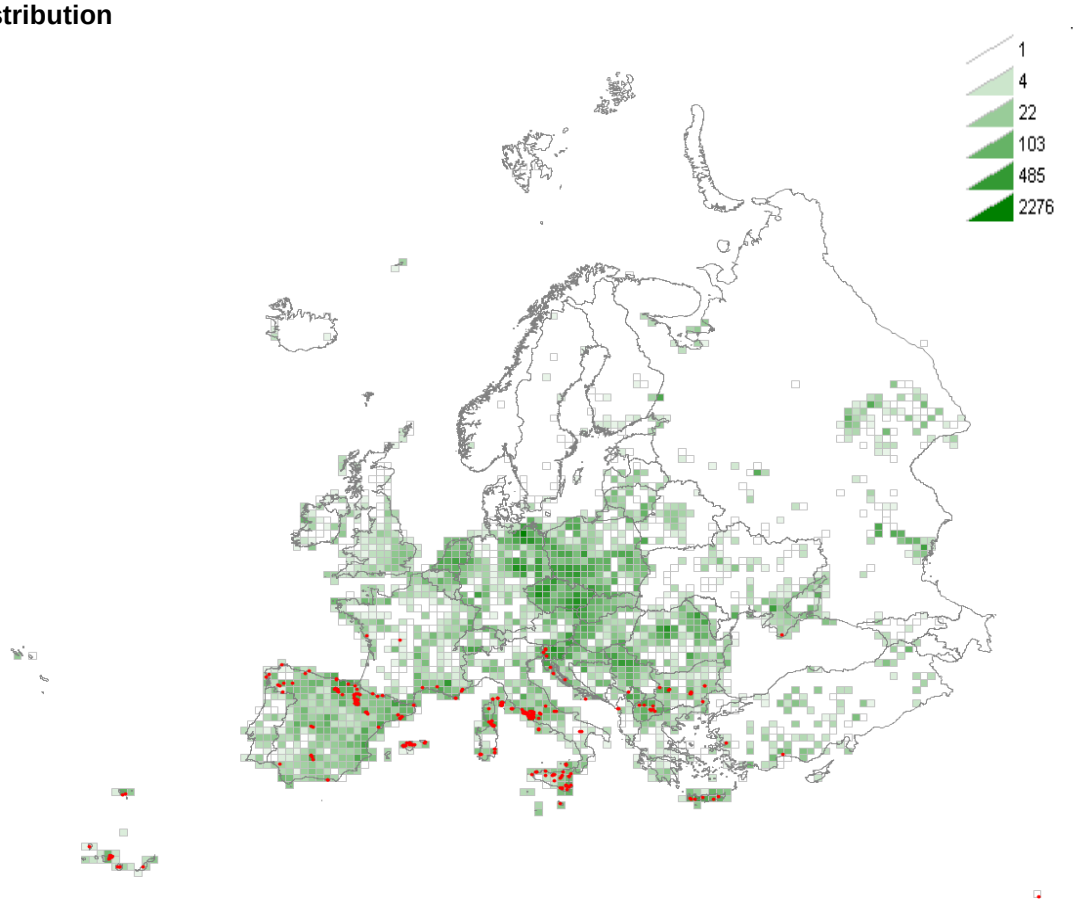


Statistics from Maxent modelling

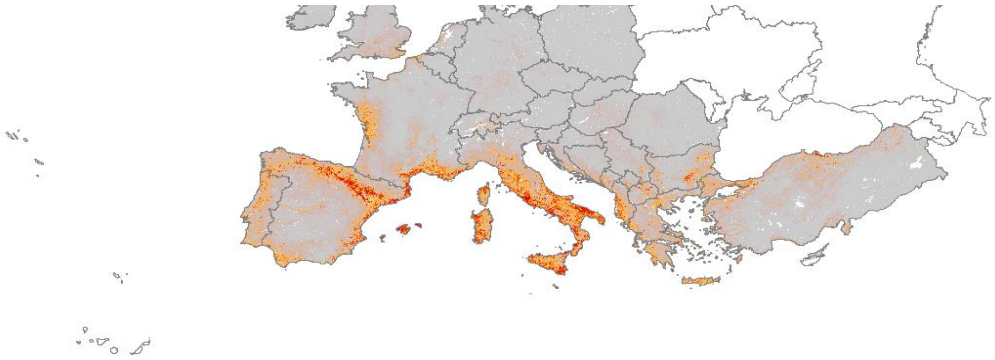
AUC training (0-1)	0.8692
AUC test (0-1)	0.866
10 percentile training presence threshold (0-1)	0.3719
Contribution variables to the Maxent model (%)	
Precipitation of warmest quarter	20.8808
Potential Evapotranspiration	15.8753
Soil pH (water)	14.3077
Temperature seasonality (stdev * 100)	14.3049
Precipitation 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

Phenology; Peak of season (day number)	1.131
Weight in % of silt particles (0.0002-0.05 mm)	0.7072
Land Use Land cover (LULC 2012)	0.6439
Phenology; NDVI mean	0.6227
Phenology; NDVI seasonality	0.5101
Solar radiation	0.3702
Vegetation height (m)	0.2224
Mean temperature of wettest quarter	0.1933
Cation Exchange Capacity of the soil	0.1911
Annual precipitation	0.1466
Weight in % of sand particles (0.05-2 mm)	0.1384

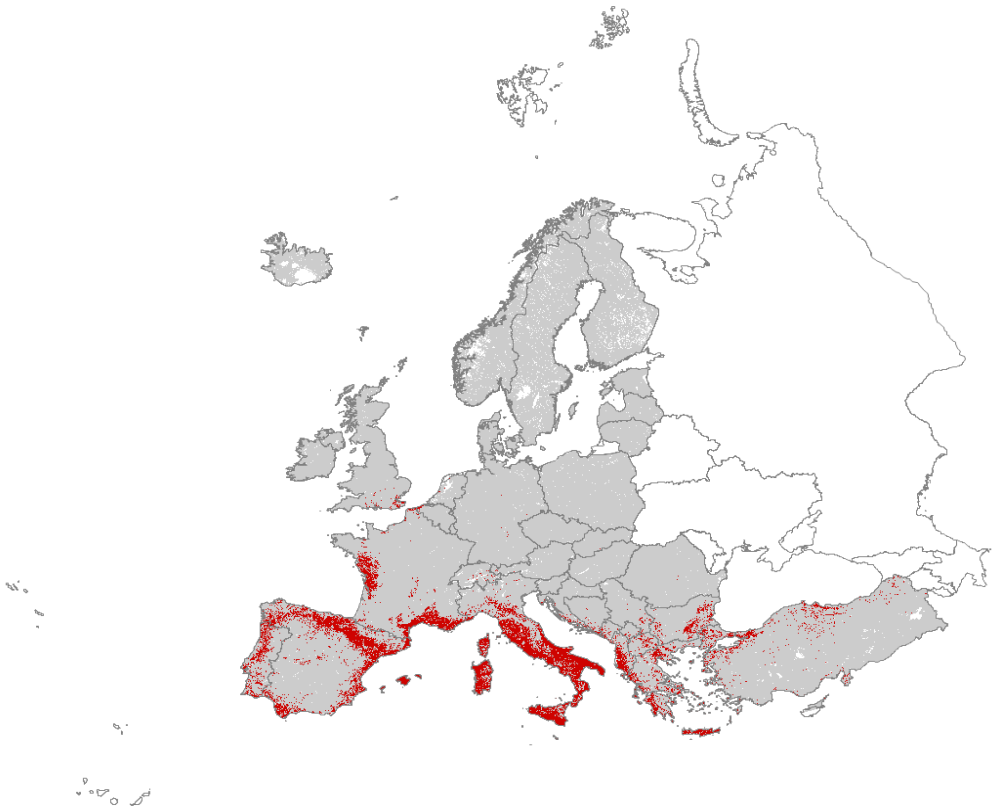
V33 Dry mediterranean lands with unpalatable non-vernal herbaceous vegetation - distribution



V33 Dry mediterranean lands with unpalatable non-vernal herbaceous vegetation - suitability



V33 Dry mediterranean lands with unpalatable non-vernal herbaceous vegetation - binary map

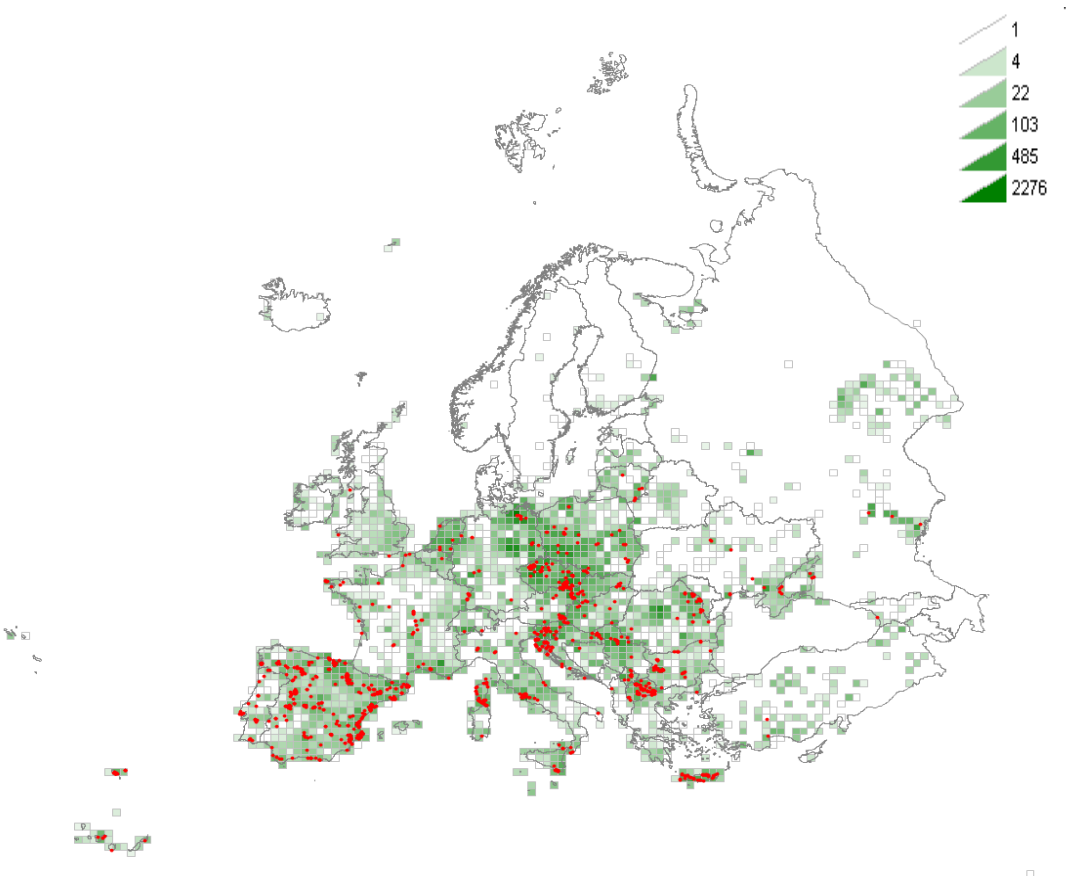


Statistics from Maxent modelling

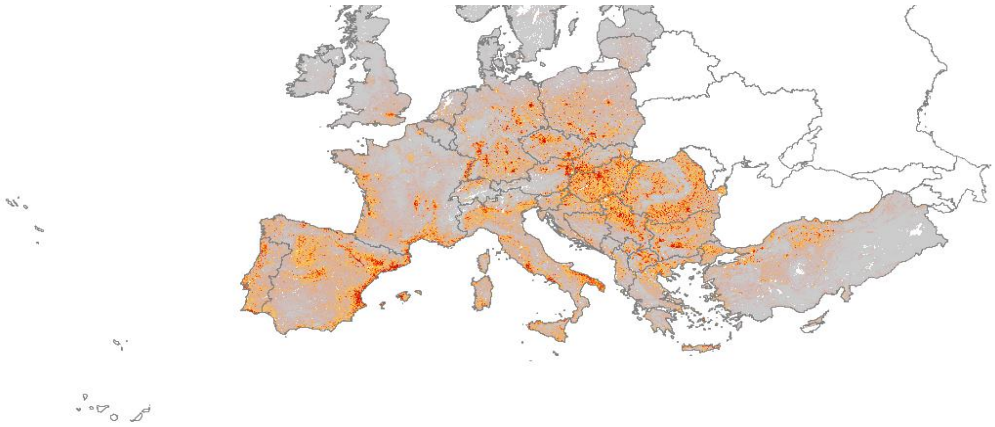
AUC training (0-1)	0.9565
AUC test (0-1)	0.9424
10 percentile training presence threshold (0-1)	0.3331
Contribution variables to the Maxent model (%)	
Temperature seasonality (stdev * 100)	20.6518
Weight in % of clay particles (<0.0002 mm)	14.7777
Population density 2018	10.4501
Soil pH (water)	9.5841
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

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

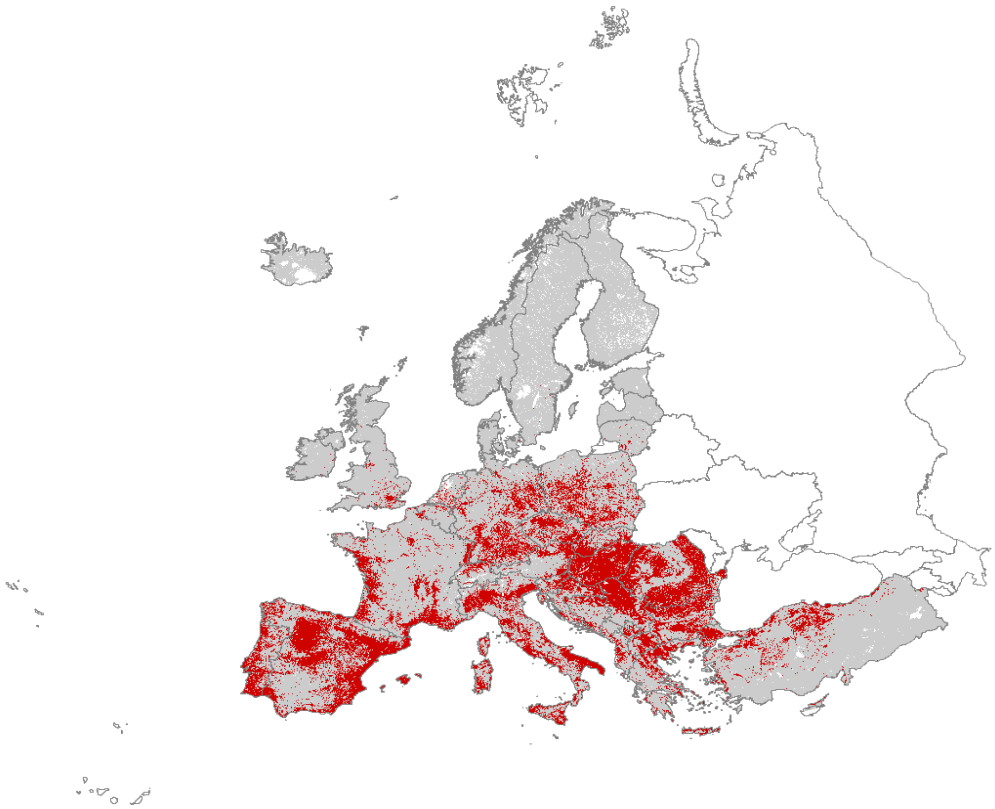
V34 Trampled xeric grassland with annuals - distribution



V34 Trampled xeric grassland with annuals - suitability



V34 Trampled xeric grassland with annuals - binary map

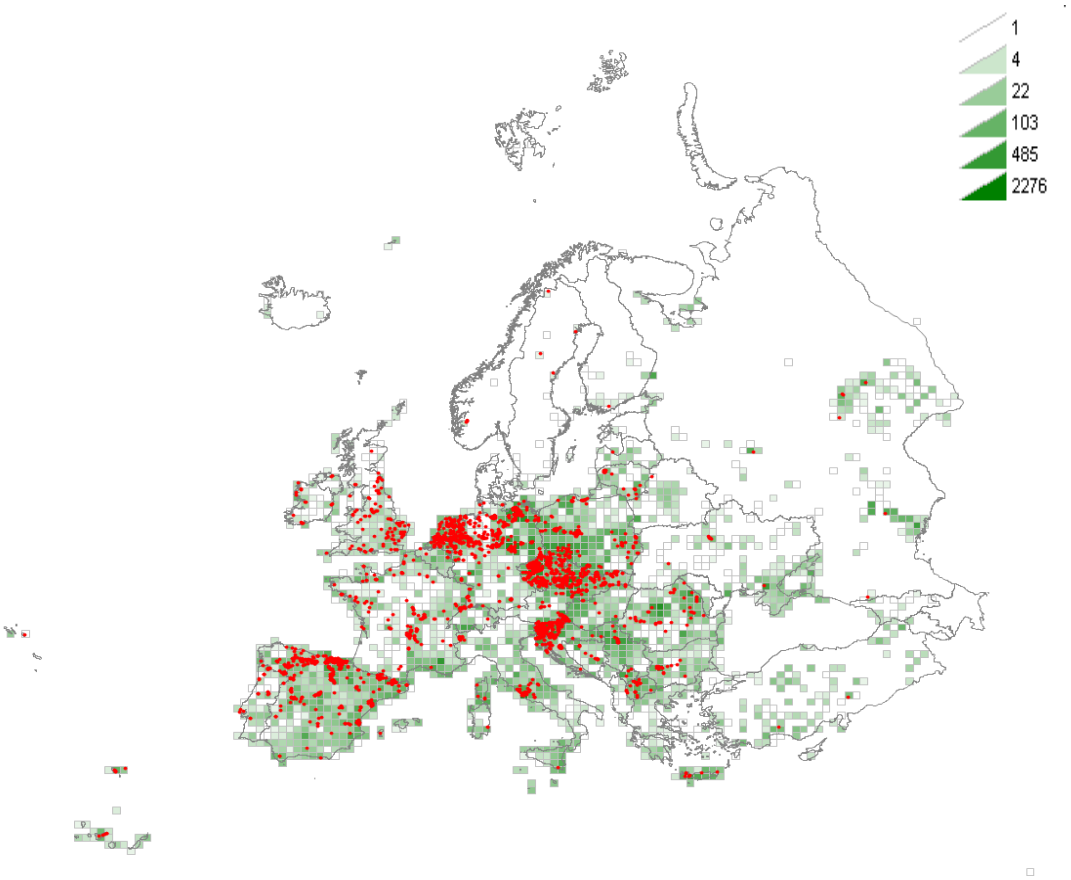


Statistics from Maxent modelling

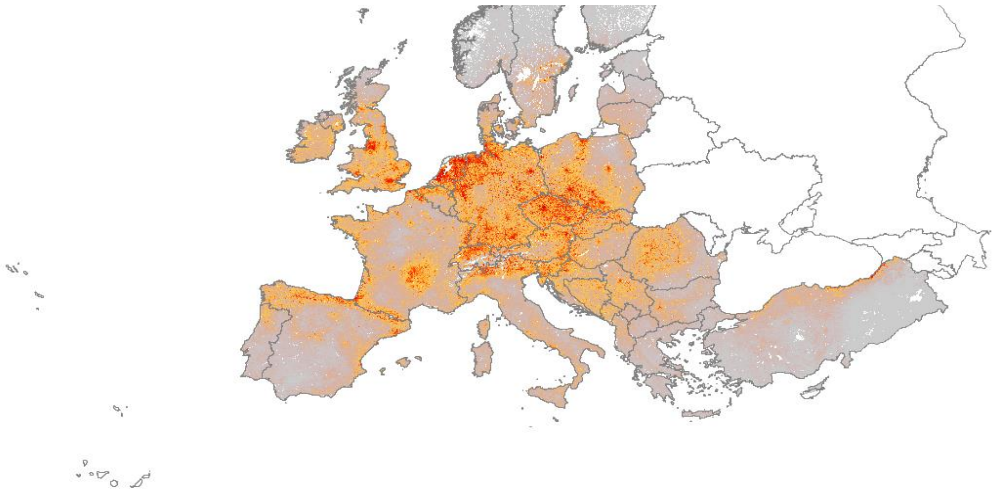
AUC training (0-1)	0.889
AUC test (0-1)	0.8845
10 percentile training presence threshold (0-1)	0.2526
Contribution variables to the Maxent model (%)	
Population density 2018	36.799
Bulk density (kg/m³)	20.3695
Mean temperature of wettest quarter	6.9695
Potential Evapotranspiration	6.5155
Soil pH (water)	5.2795
Precipitation seasonality (coef. of var.)	3.6659
Phenology; NDVI mean	2.7488
Land Use Land cover (LULC 2012)	2.5891

Precipitation of warmest quarter	2.4583
Weight in % of clay particles (<0.0002 mm)	1.9657
Temperature seasonality (stdev * 100)	1.6052
Weight in % of silt particles (0.0002-0.05 mm)	1.5571
Soil organic carbon content (‰)	1.2882
Weight in % of sand particles (0.05-2 mm)	1.2131
Annual precipitation	0.7697
Phenology; Start of Season (day number)	0.4432
Solar radiation	0.4366
Vegetation height (m)	0.3755
Volume % of coarse fragments (> 2 mm)	0.2887
Phenology; Low of season (day number)	0.1525
Inundation; occurrence	0.1514
Phenology; Peak of season (day number)	0.1031

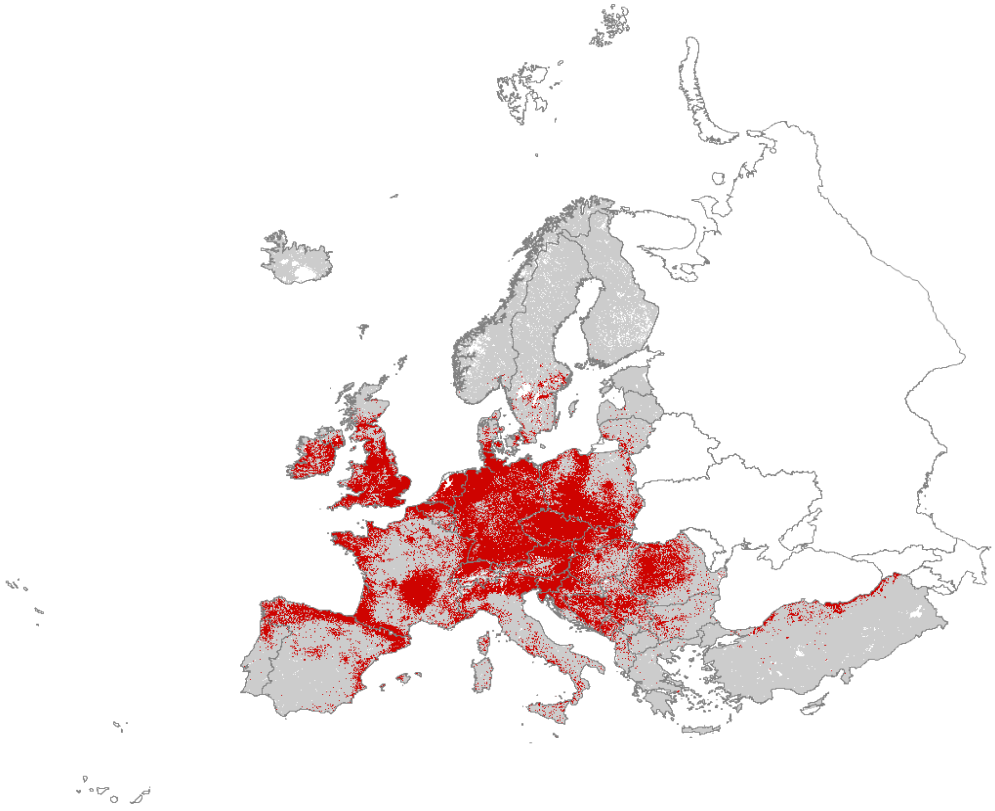
V35 Trampled mesophilous grassland with annuals - distribution



V35 Trampled mesophilous grassland with annuals - suitability



V35 Trampled mesophilous grassland with annuals - binary map

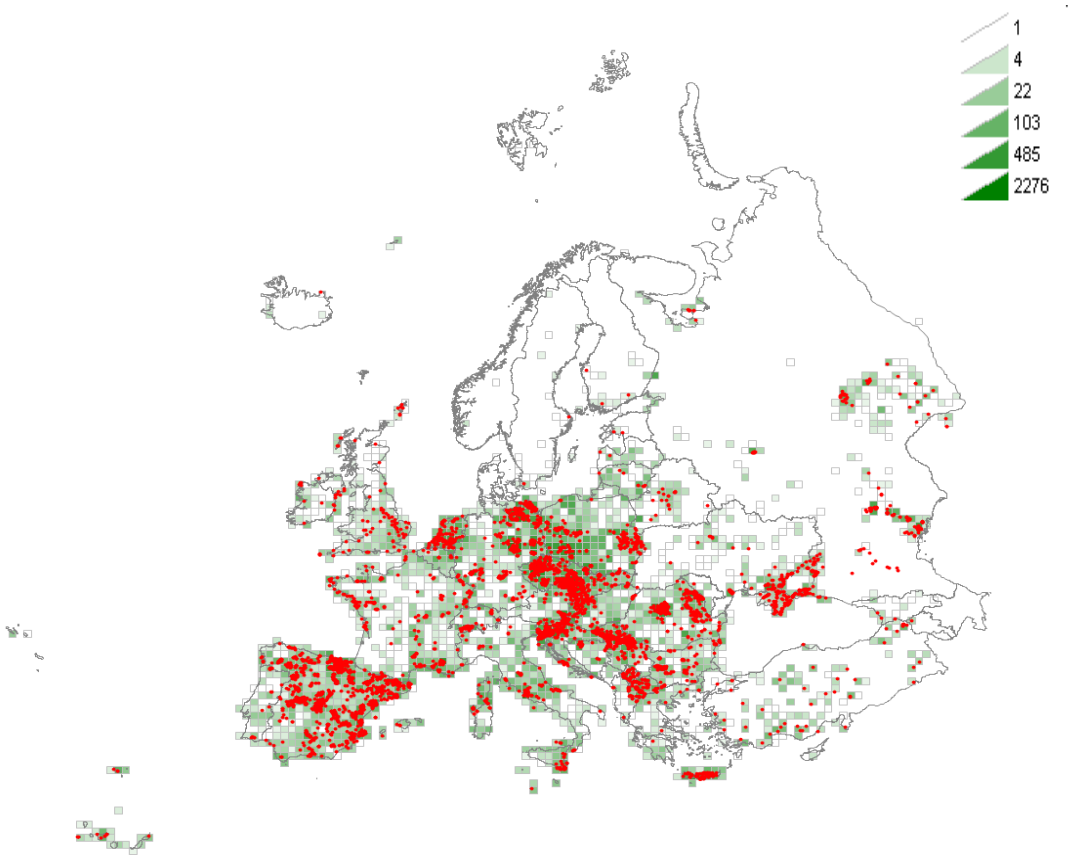


Statistics from Maxent modelling

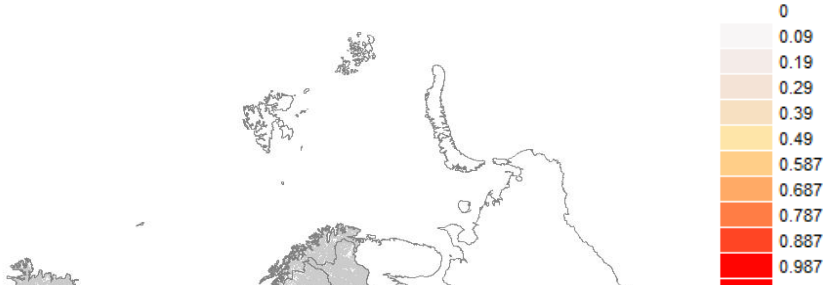
AUC training (0-1)	0.8172
AUC test (0-1)	0.8269
10 percentile training presence threshold (0-1)	0.3244
Contribution variables to the Maxent model (%)	
Population density 2018	50.2721
Precipitation of warmest quarter	13.2026
Potential Evapotranspiration	10.6079
Temperature seasonality (stdev * 100)	8.4033
Land Use Land cover (LULC 2012)	3.9005
Precipitation seasonality (coef. of var.)	1.5083

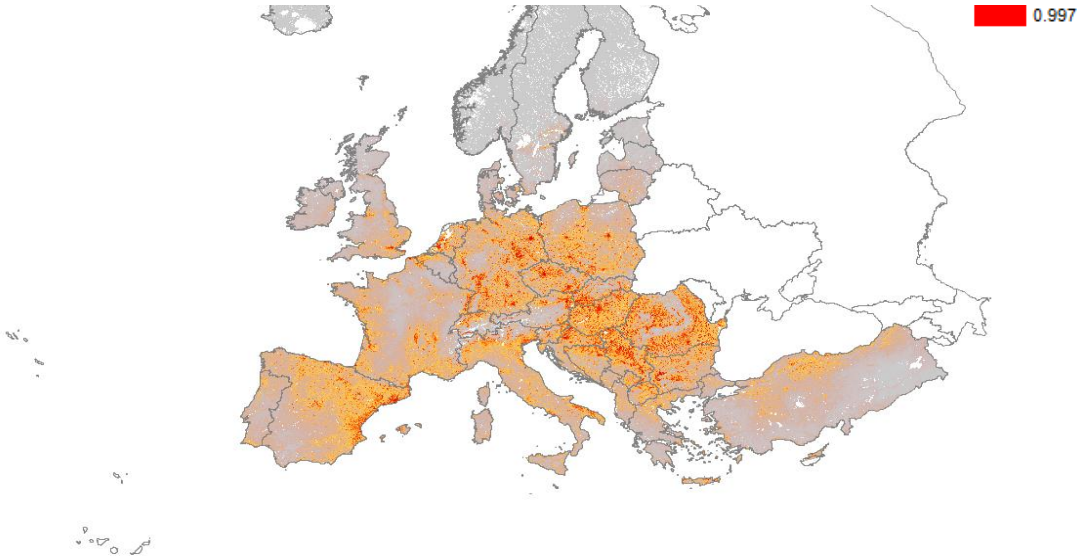
Soil pH (water)	1.3622
Bulk density (kg/m³)	1.3271
Phenology; Low of season (day number)	1.2512
Phenology; Start of Season (day number)	1.1896
Solar radiation	0.8994
Annual precipitation	0.8439
Weight in % of sand particles (0.05-2 mm)	0.8392
Mean temperature of wettest quarter	0.6834
Phenology; End of Season (day number)	0.3872
Volume % of coarse fragments (> 2 mm)	0.3376
Phenology; Peak of season (day number)	0.3272
Phenology; NDVI seasonality	0.2094
Weight in % of clay particles (<0.0002 mm)	0.1695
Phenology; Length of season (days)	0.1025

V37 Annual anthropogenic herbaceous vegetation - distribution

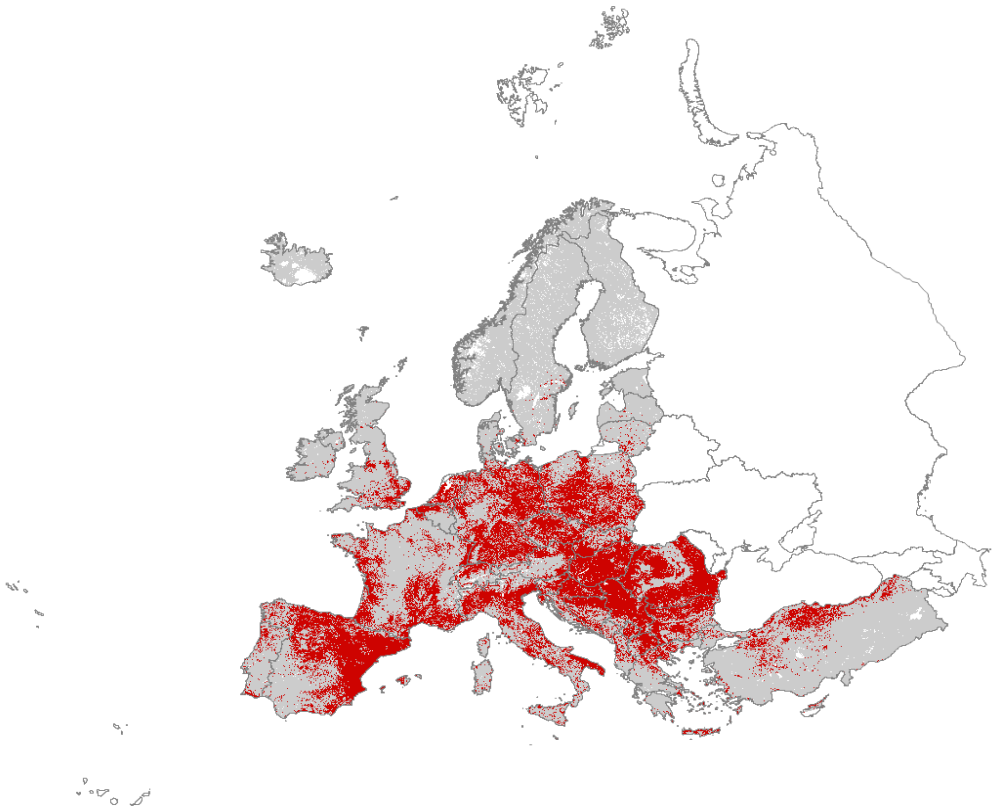


V37 Annual anthropogenic herbaceous vegetation - suitability





V37 Annual anthropogenic herbaceous vegetation - binary map

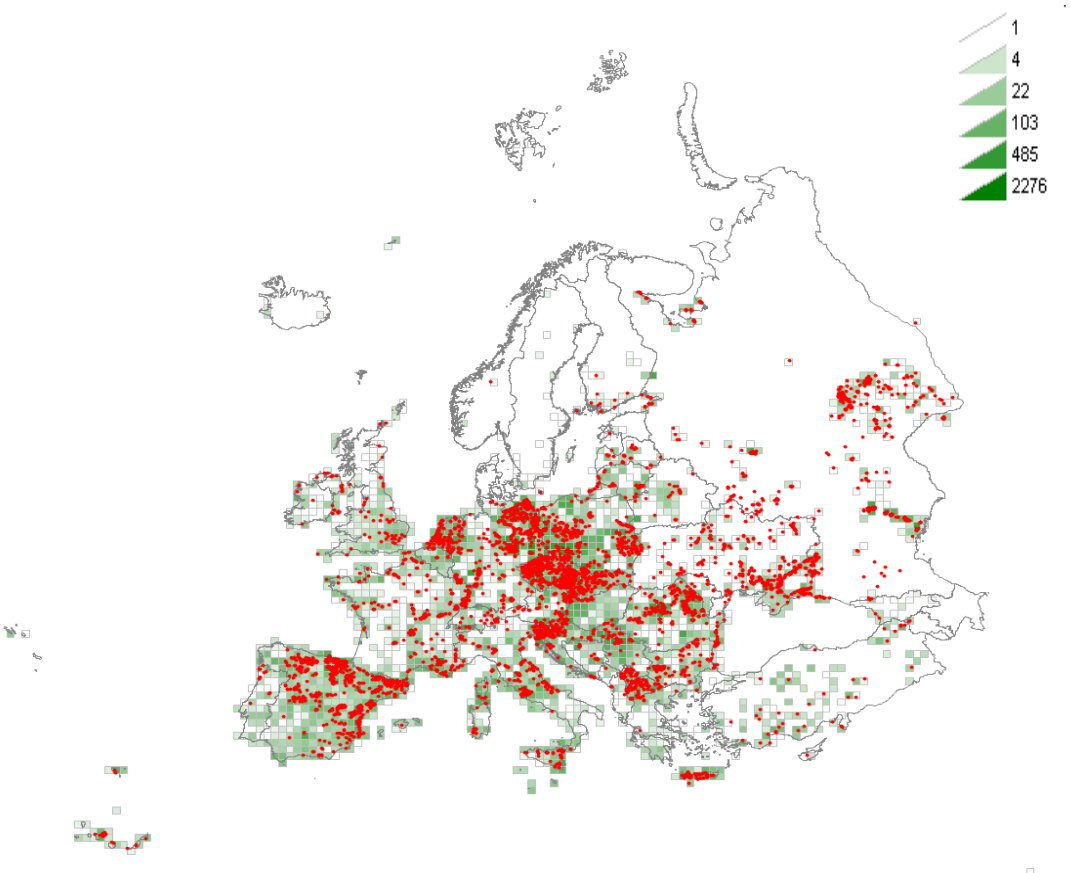


Statistics from Maxent modelling

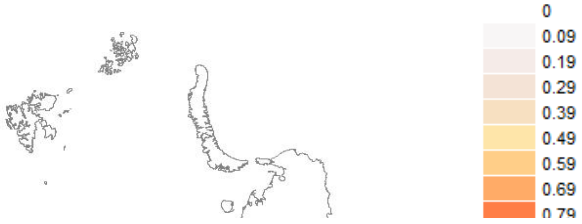
AUC training (0-1)	0.8159
AUC test (0-1)	0.8168
10 percentile training presence threshold (0-1)	0.3259
Contribution variables to the Maxent model (%)	
Population density 2018	41.4644
Bulk density (kg/m³)	23.3459
Mean temperature of wettest quarter	9.9475
Soil pH (water)	3.7986

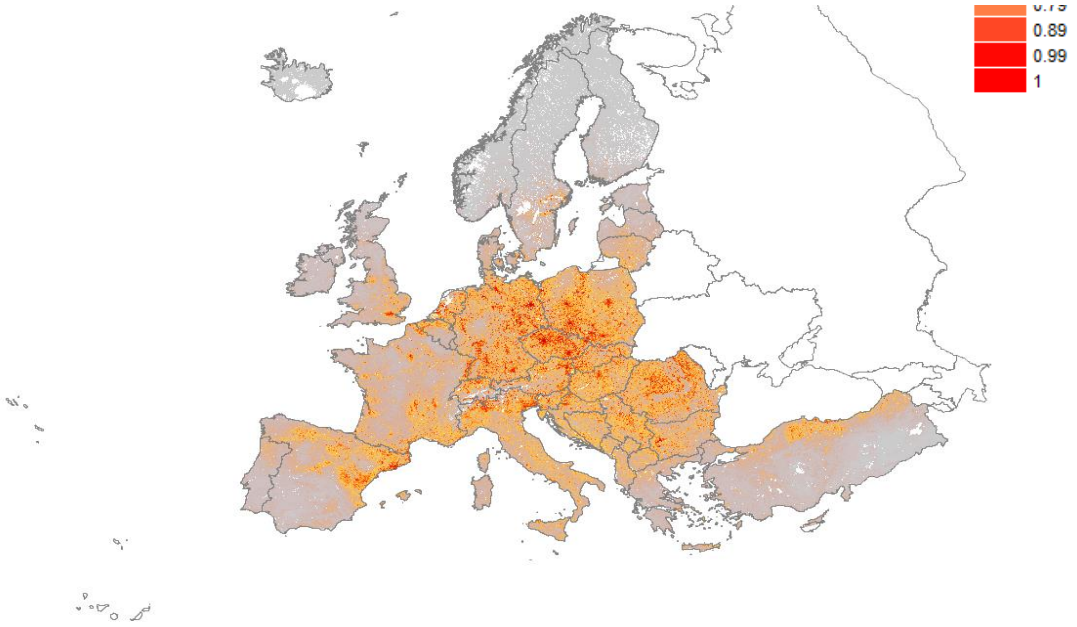
Land Use Land cover (LULC 2012)	3.6065
Precipitation of warmest quarter	3.4843
Precipitation seasonality (coef. of var.)	2.3496
Temperature seasonality (stdev * 100)	2.0104
Phenology; Length of season (days)	1.3248
Annual precipitation	1.2057
Weight in % of silt particles (0.0002-0.05 mm)	1.1524
Volume % of coarse fragments (> 2 mm)	0.7146
Phenology; NDVI mean	0.7017
Weight in % of clay particles (<0.0002 mm)	0.6978
Potential Evapotranspiration	0.6706
Solar radiation	0.5105
Vegetation height (m)	0.3698
Soil organic carbon content (‰)	0.2338
Weight in % of sand particles (0.05-2 mm)	0.1659

V38 Dry perennial anthropogenic herbaceous vegetation - distribution

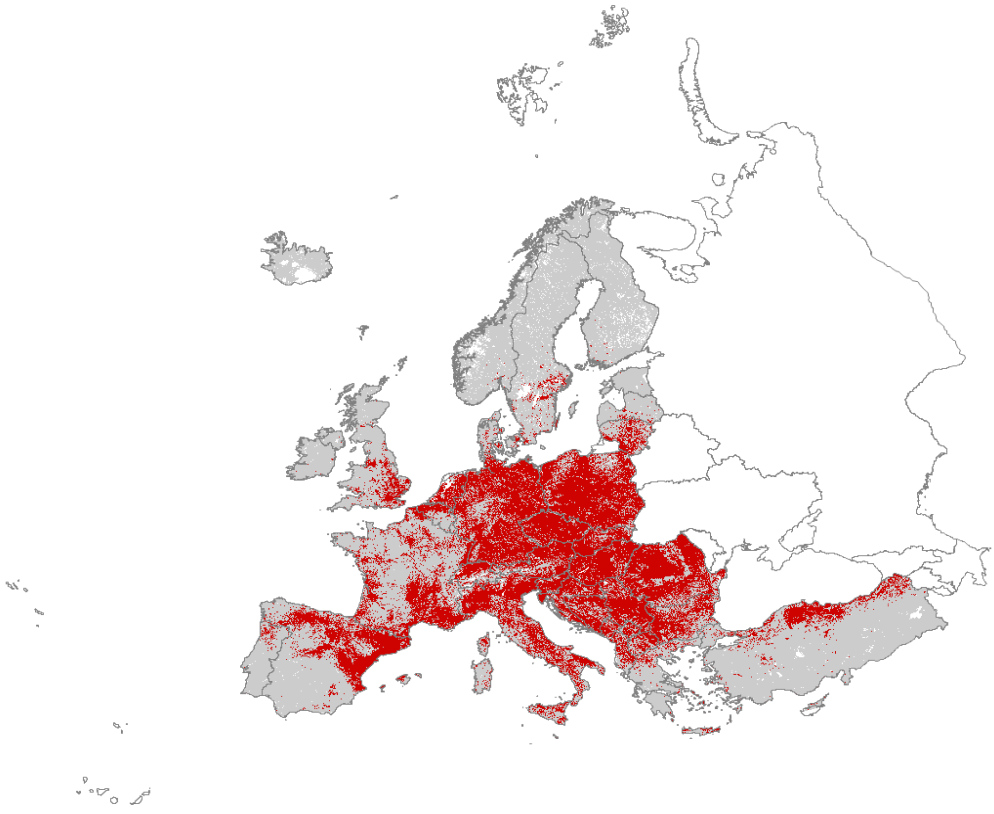


V38 Dry perennial anthropogenic herbaceous vegetation - suitability





V38 Dry perennial anthropogenic herbaceous vegetation - binary map

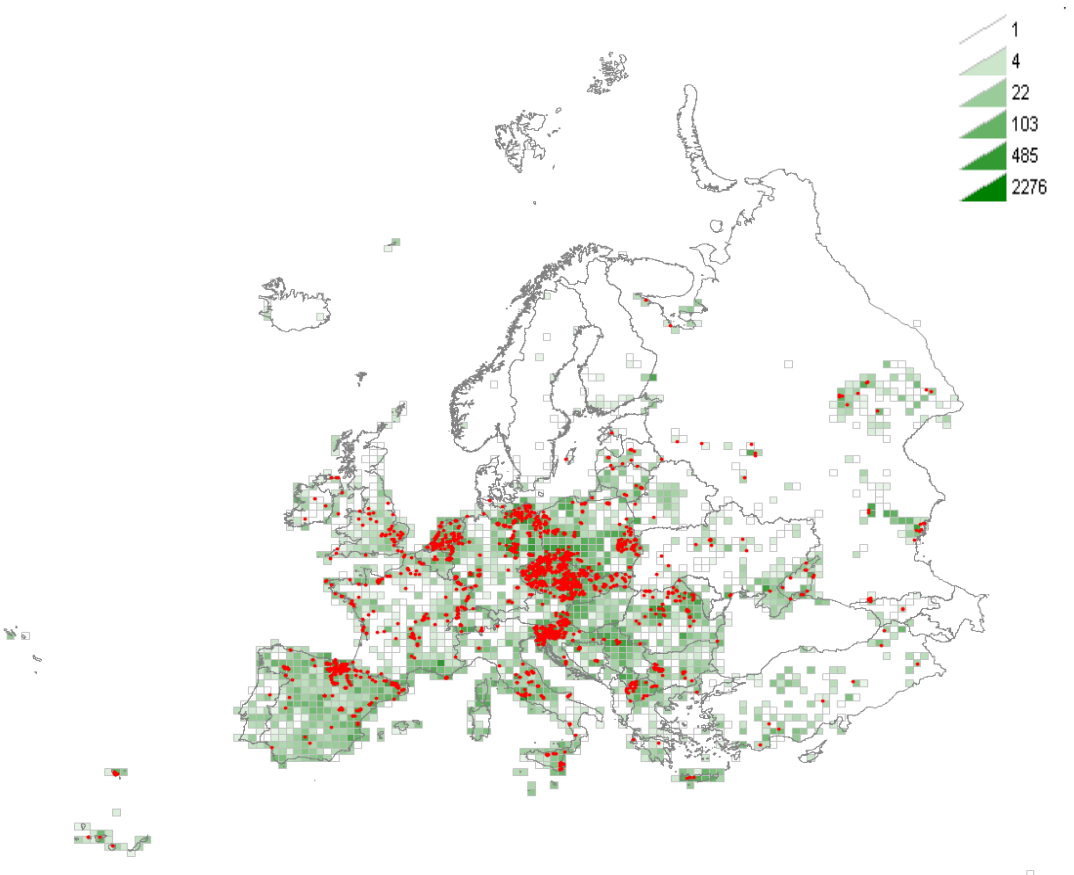


Statistics from Maxent modelling

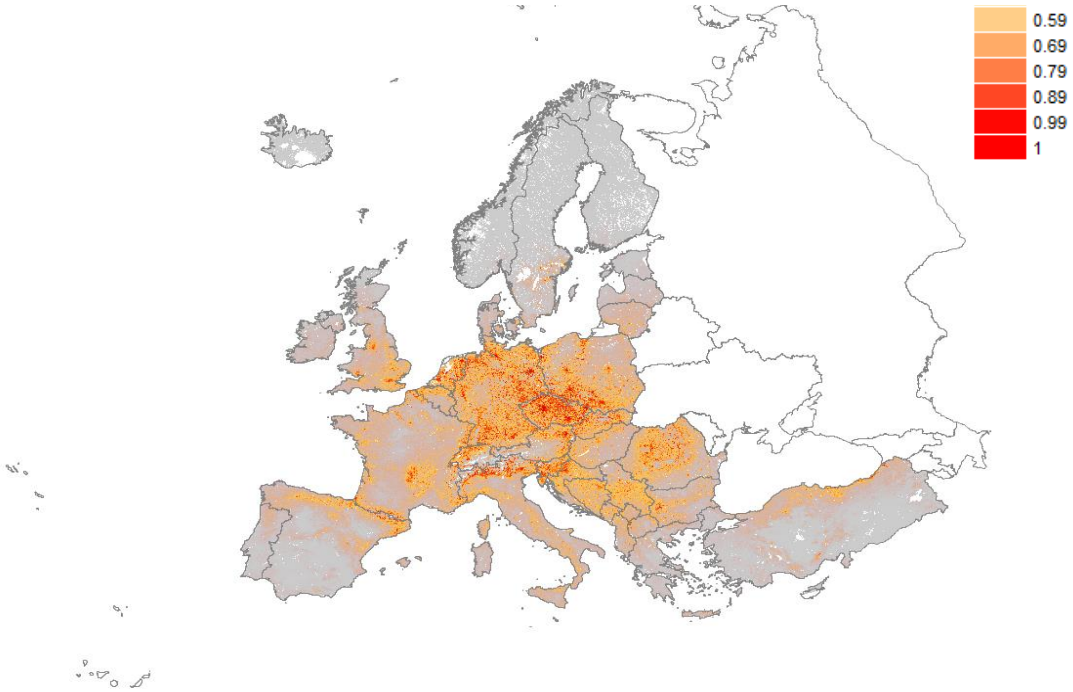
AUC training (0-1)	0.8111
AUC test (0-1)	0.7867
10 percentile training presence threshold (0-1)	0.3107
Contribution variables to the Maxent model (%)	
Population density 2018	43.4983
Bulk density (kg/m³)	10.4038

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

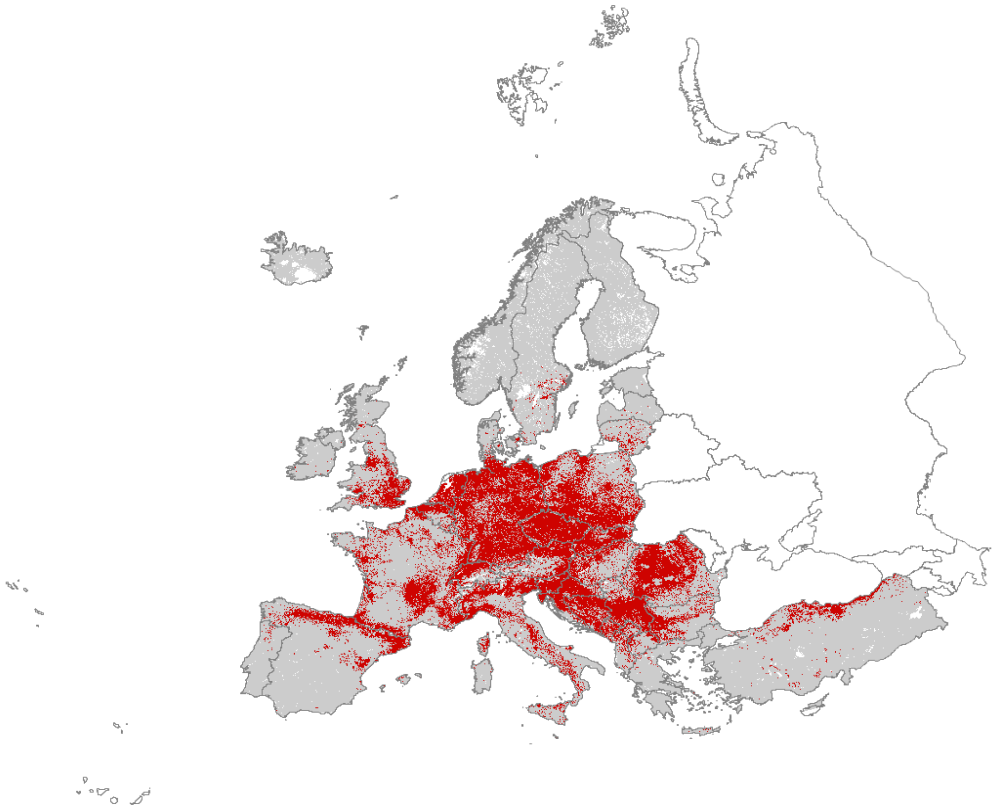
V39 Mesic perennial anthropogenic herbaceous vegetation - distribution



V39 Mesic perennial anthropogenic herbaceous vegetation - suitability



V39 Mesic perennial anthropogenic herbaceous vegetation - binary map



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 (%)	

Population density 2018	38.7509
Potential Evapotranspiration	16.5117
Precipitation of warmest quarter	14.3471
Temperature seasonality (stdev * 100)	6.3501
Phenology; Length of season (days)	2.644
Mean temperature of wettest quarter	2.4614
Land Use Land cover (LULC 2012)	2.1102
Annual precipitation	1.7517
Phenology; Low of season (day number)	1.7284
Phenology; Start of Season (day number)	1.4516
Precipitation seasonality (coef. of var.)	1.3605
Soil organic carbon content (‰)	1.2643
Phenology; NDVI seasonality	0.9669
Soil pH (water)	0.8968
Phenology; End of Season (day number)	0.4965
Volume % of coarse fragments (> 2 mm)	0.4893
Weight in % of sand particles (0.05-2 mm)	0.3552
Phenology; Peak of season (day number)	0.2894
Cation Exchange Capacity of the soil	0.2111