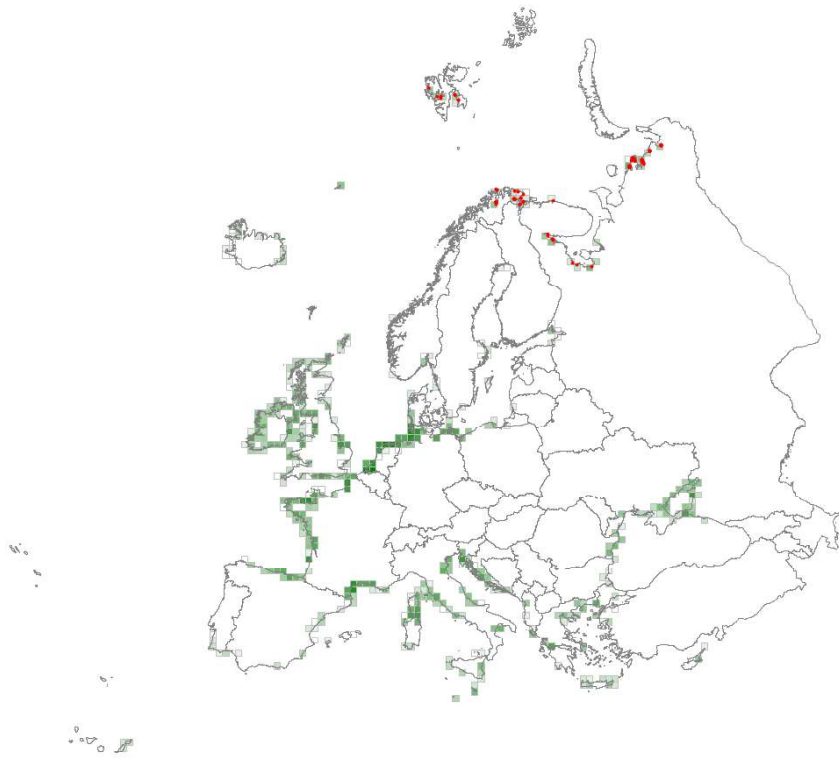


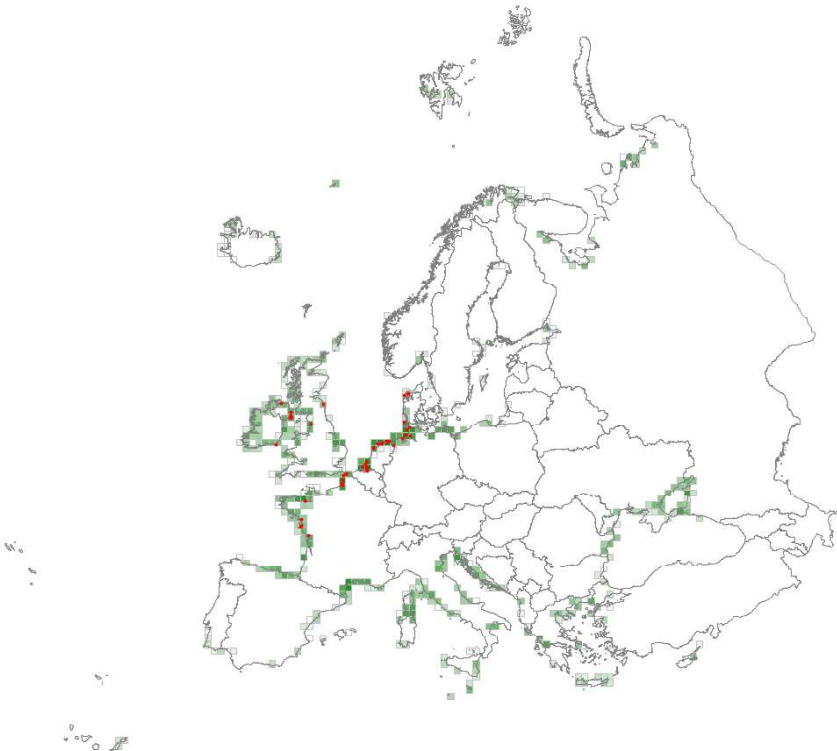
**Annex 2 Distribution and suitability maps of the revised EUNIS habitat types (group MA2 & U)**

**MA211 Arctic coastal saltmarshes - distribution**



Not enough data to run a Maxent model or the habitat type only occurs outside the study area.

**MA221 Atlantic saltmarsh driftline - distribution**



**MA221 Atlantic saltmarsh driftline - suitability**



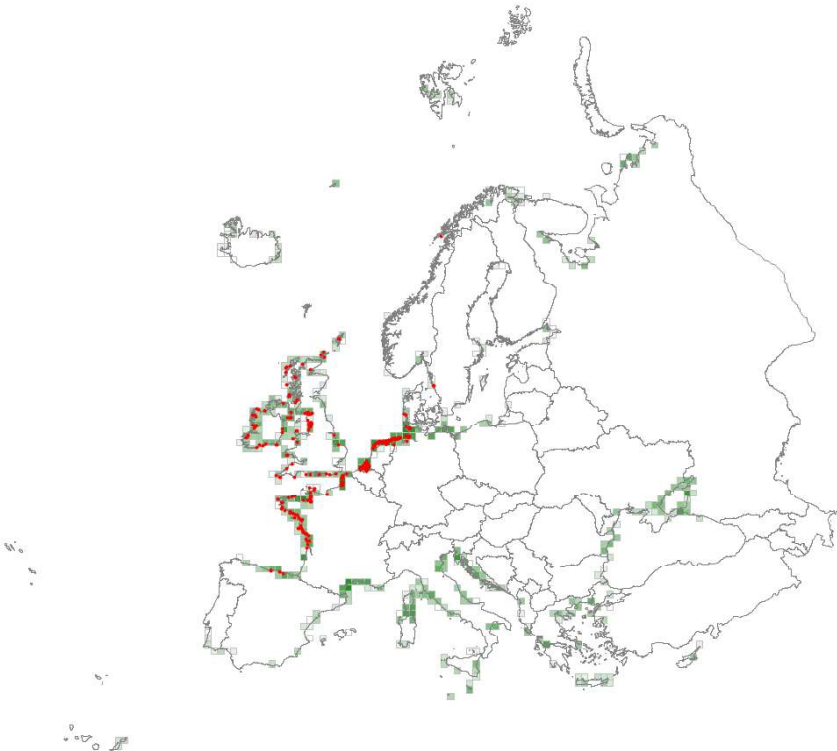
**MA221 Atlantic saltmarsh driftline - binary map**



**Statistics from Maxent modelling**

<b>AUC training (0-1)</b>	0.9989
<b>AUC test (0-1)</b>	0.9986
<b>10 percentile training presence threshold (0-1)</b>	0.6558
<b>Contribution variables to the Maxent model (%)</b>	
Distance to coast	60.4415
Soil pH (water)	11.4181
Land Use Land cover (LULC 2012)	10.9424
Precipitation of warmest quarter	5.2206
Temperature seasonality (stdev * 100)	3.5215
Phenology; NDVI mean	1.7014
Potential Evapotranspiration	1.4895
Precipitation seasonality (coef. of var.)	1.4009
Soil organic carbon content (‰)	1.0393
Bulk density (kg/m <sup>3</sup> )	1.0061
Volume % of coarse fragments (> 2 mm)	0.5624
Annual precipitation	0.3528
Phenology; NDVI seasonality	0.3298
Distance to water (rivers, lakes, sea)	0.267
Population density 2018	0.1785

**MA222 Atlantic upper saltmarshes - distribution**



**MA222 Atlantic upper saltmarshes - suitability**



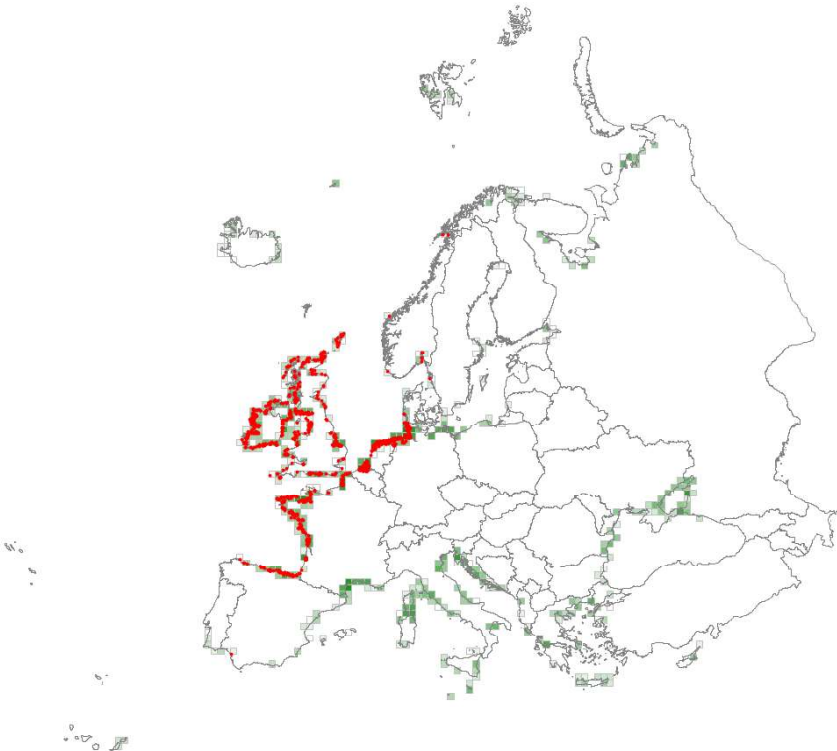
**MA222 Atlantic upper saltmarshes - binary map**



**Statistics from Maxent modelling**

<b>AUC training (0-1)</b>	0.9937
<b>AUC test (0-1)</b>	0.9942
<b>10 percentile training presence threshold (0-1)</b>	0.322
<b>Contribution variables to the Maxent model (%)</b>	
Distance to coast	72.4398
Precipitation of warmest quarter	6.6828
Soil pH (water)	5.0069
Temperature seasonality (stdev * 100)	4.1688
Potential Evapotranspiration	3.4784
Solar radiation	2.3534
Cation Exchange Capacity of the soil	1.3112
Vegetation height (m)	0.8333
Annual precipitation	0.6713
Phenology; Length of season (days)	0.6616
Land Use Land cover (LULC 2012)	0.5181
Phenology; Low of season (day number)	0.281
Phenology; NDVI mean	0.25
Phenology; Peak of season (day number)	0.2175
Soil organic carbon content (‰)	0.2105
Volume % of coarse fragments (> 2 mm)	0.1748
Distance to water (rivers, lakes, sea)	0.1678
Bulk density (kg/m <sup>3</sup> )	0.1419
Precipitation seasonality (coef. of var.)	0.1089

**MA223 Atlantic upper-mid saltmarshes and saline and brackish reed, rush and sedge beds - distribution**



**MA223 Atlantic upper-mid saltmarshes and saline and brackish reed, rush and sedge beds - suitability**



**MA223 Atlantic upper-mid saltmarshes and saline and brackish reed, rush and sedge beds - binary map**

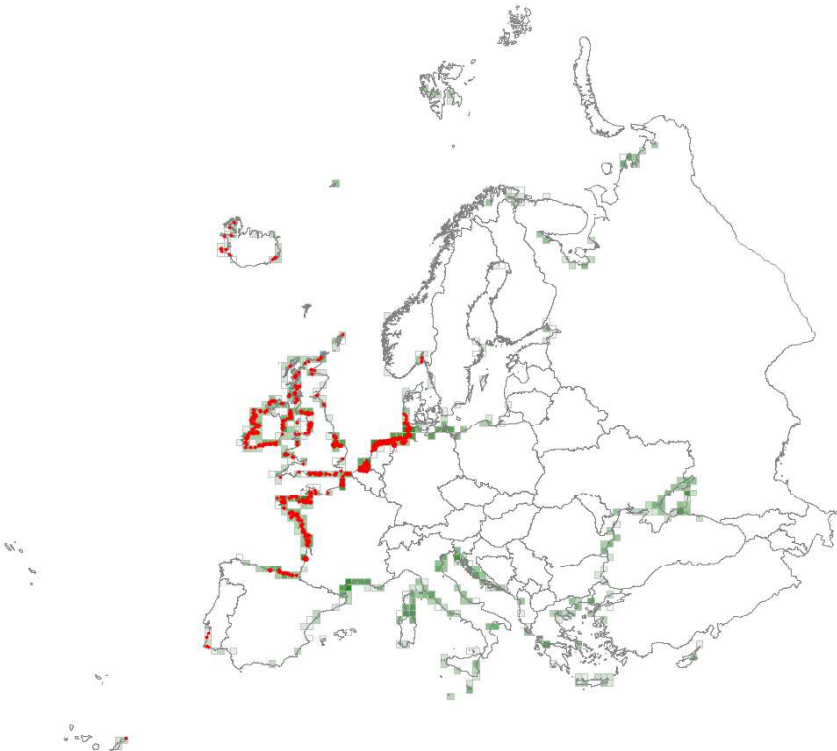


**Statistics from Maxent modelling**

<b>AUC training (0-1)</b>	0.9791
<b>AUC test (0-1)</b>	0.9763
<b>10 percentile training presence threshold (0-1)</b>	0.4527
<b>Contribution variables to the Maxent model (%)</b>	
Distance to coast	79.3378
Temperature seasonality (stdev * 100)	6.777
Precipitation of warmest quarter	6.0535
Potential Evapotranspiration	5.6626
Land Use Land cover (LULC 2012)	0.7102
Vegetation height (m)	0.1646
Weight in % of sand particles (0.05-2 mm)	0.1603
Phenology; End of Season (day number)	0.1518
Precipitation seasonality (coef. of var.)	0.1429
Cation Exchange Capacity of the soil	0.137
Bulk density (kg/m <sup>3</sup> )	0.1328
Volume % of coarse fragments (> 2 mm)	0.107



**MA224 Atlantic mid-low saltmarshes - distribution**



**MA224 Atlantic mid-low saltmarshes - suitability**



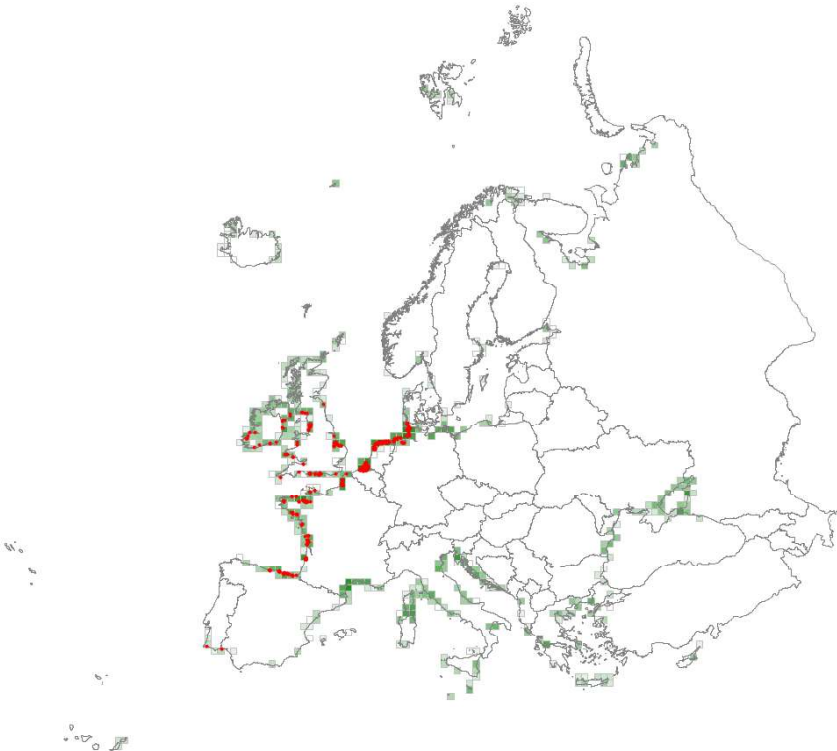
## MA224 Atlantic mid-low saltmarshes - binary map



### Statistics from Maxent modelling

<b>AUC training (0-1)</b>	0.9833
<b>AUC test (0-1)</b>	0.984
<b>10 percentile training presence threshold (0-1)</b>	0.4334
<b>Contribution variables to the Maxent model (%)</b>	
Distance to coast	78.3854
Precipitation of warmest quarter	5.7583
Temperature seasonality (stdev * 100)	5.5981
Potential Evapotranspiration	4.695
Phenology; NDVI mean	1.538
Cation Exchange Capacity of the soil	0.7416
Vegetation height (m)	0.5961
Weight in % of silt particles (0.0002-0.05 mm)	0.5669
Land Use Land cover (LULC 2012)	0.5659
Volume % of coarse fragments (> 2 mm)	0.5359
Precipitation seasonality (coef. of var.)	0.3375
Soil organic carbon content (‰)	0.2672
Weight in % of sand particles (0.05-2 mm)	0.122

**MA225 Atlantic pioneer saltmarshes - distribution**



**MA225 Atlantic pioneer saltmarshes - suitability**



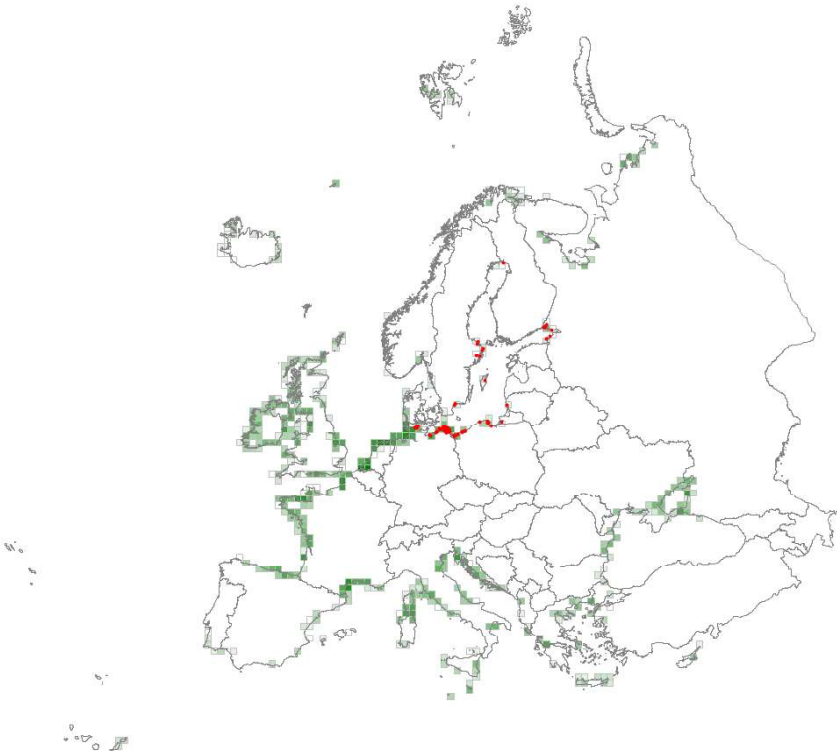
## MA225 Atlantic pioneer saltmarshes - binary map



### Statistics from Maxent modelling

<b>AUC training (0-1)</b>	0.9938
<b>AUC test (0-1)</b>	0.9886
<b>10 percentile training presence threshold (0-1)</b>	0.4098
<b>Contribution variables to the Maxent model (%)</b>	
Distance to coast	70.526
Soil pH (water)	8.6094
Precipitation of warmest quarter	8.2065
Potential Evapotranspiration	3.1326
Temperature seasonality (stdev * 100)	2.8528
Bulk density (kg/m <sup>3</sup> )	2.0065
Land Use Land cover (LULC 2012)	1.0497
Phenology; NDVI mean	0.6405
Precipitation seasonality (coef. of var.)	0.6267
Solar radiation	0.4794
Volume % of coarse fragments (> 2 mm)	0.4163
Cation Exchange Capacity of the soil	0.2993
Phenology; NDVI seasonality	0.2802
Weight in % of clay particles (<0.0002 mm)	0.1816
Population density 2018	0.1792
Annual precipitation	0.1024

**MA232 Baltic coastal meadow - distribution**



**MA232 Baltic coastal meadow - suitability**



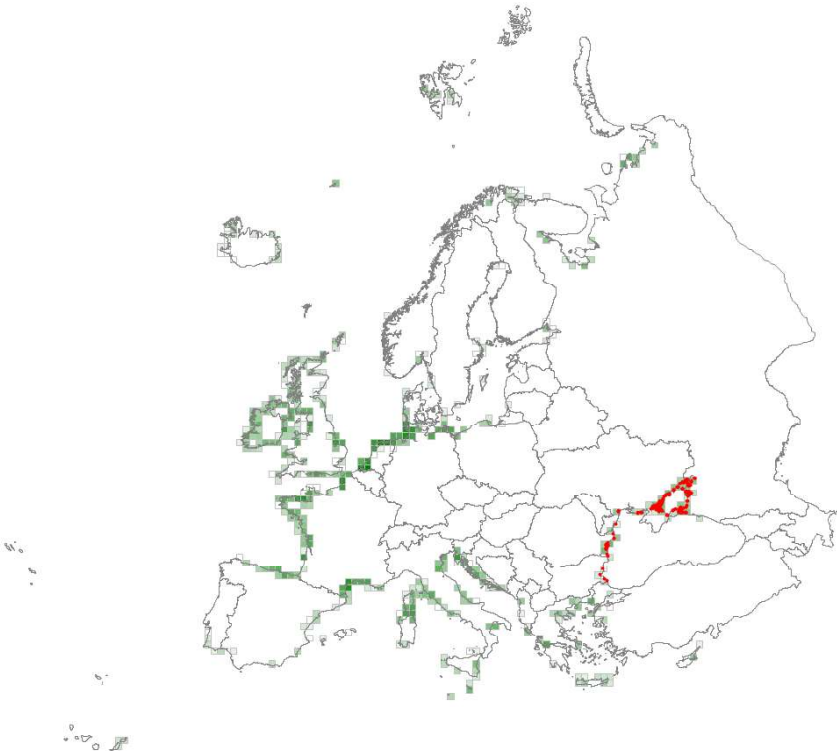
## MA232 Baltic coastal meadow - binary map



### Statistics from Maxent modelling

<b>AUC training (0-1)</b>	0.997
<b>AUC test (0-1)</b>	0.9937
<b>10 percentile training presence threshold (0-1)</b>	0.3871
<b>Contribution variables to the Maxent model (%)</b>	
Distance to coast	65.5713
Mean temperature of wettest quarter	12.9146
Temperature seasonality (stdev * 100)	4.9675
Phenology; Length of season (days)	4.6217
Weight in % of sand particles (0.05-2 mm)	4.1102
Precipitation of warmest quarter	2.802
Phenology; Low of season (day number)	1.2498
Land Use Land cover (LULC 2012)	1.2394
Bulk density (kg/m <sup>3</sup> )	0.836
Potential Evapotranspiration	0.5086
Weight in % of clay particles (<0.0002 mm)	0.3989
Precipitation seasonality (coef. of var.)	0.2532
Distance to water (rivers, lakes, sea)	0.1245
Volume % of coarse fragments (> 2 mm)	0.1124

**MA241 Black Sea littoral saltmarshes - distribution**



**MA241 Black Sea littoral saltmarshes - suitability**



## MA241 Black Sea littoral saltmarshes - binary map

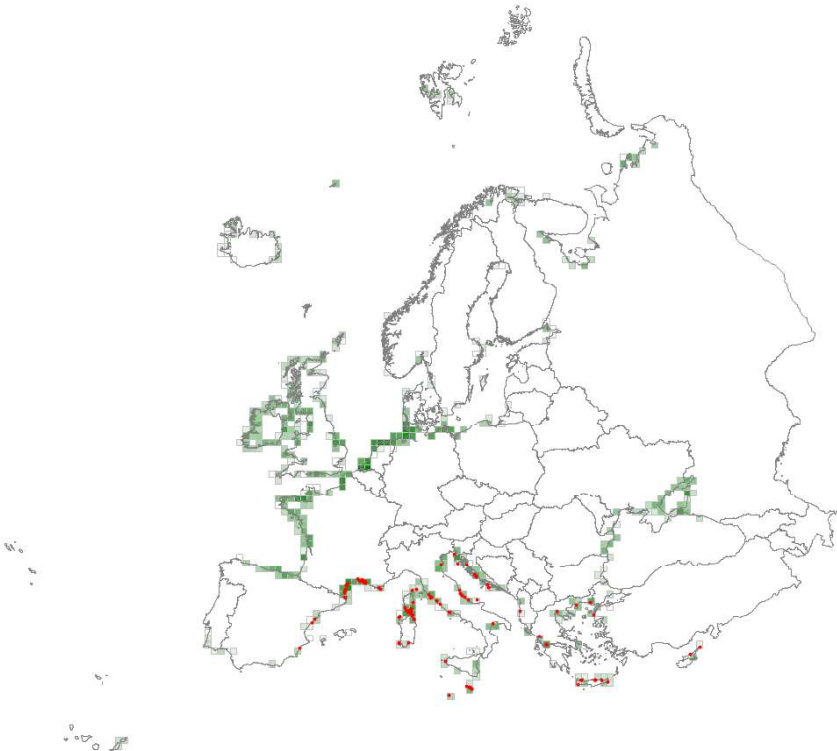


### Statistics from Maxent modelling

<b>AUC training (0-1)</b>	0.9989
<b>AUC test (0-1)</b>	0.9993
<b>10 percentile training presence threshold (0-1)</b>	0.6249
<b>Contribution variables to the Maxent model (%)</b>	
Distance to coast	51.8059
Mean temperature of wettest quarter	23.7431
Precipitation seasonality (coef. of var.)	6.8262
Temperature seasonality (stdev * 100)	4.3836
Soil pH (water)	3.7119
Land Use Land cover (LULC 2012)	2.6636
Potential Evapotranspiration	2.3252
Precipitation of warmest quarter	1.3966
Volume % of coarse fragments (> 2 mm)	1.2645
Annual precipitation	0.3742
Soil organic carbon content (‰)	0.3668
Distance to water (rivers, lakes, sea)	0.3386
Weight in % of silt particles (0.0002-0.05 mm)	0.3323
Phenology; Start of Season (day number)	0.2514
Phenology; End of Season (day number)	0.1183



**MA251 Mediterranean upper saltmarshes - distribution**



**MA251 Mediterranean upper saltmarshes - suitability**



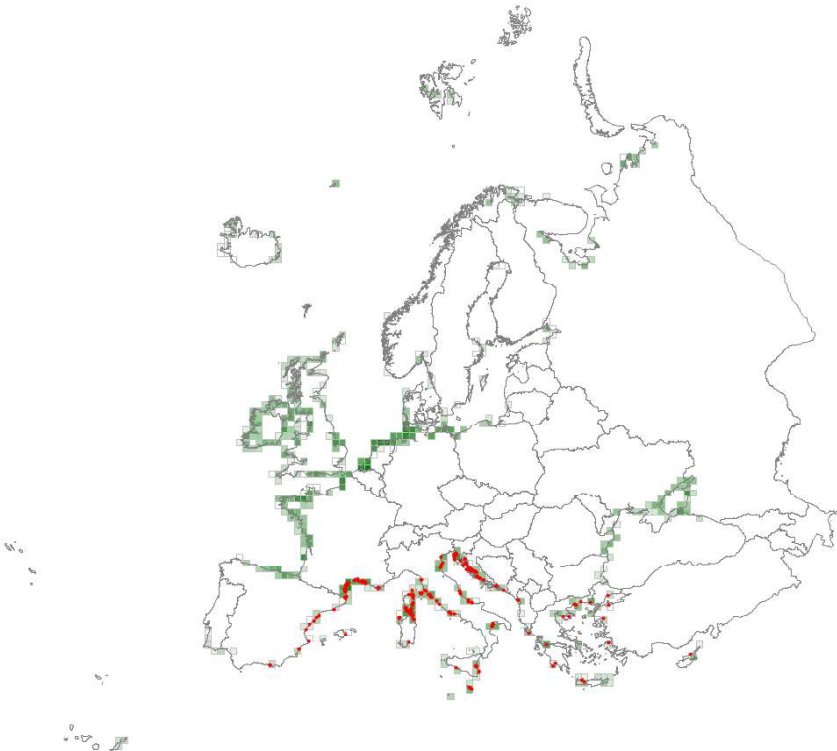
## MA251 Mediterranean upper saltmarshes - binary map



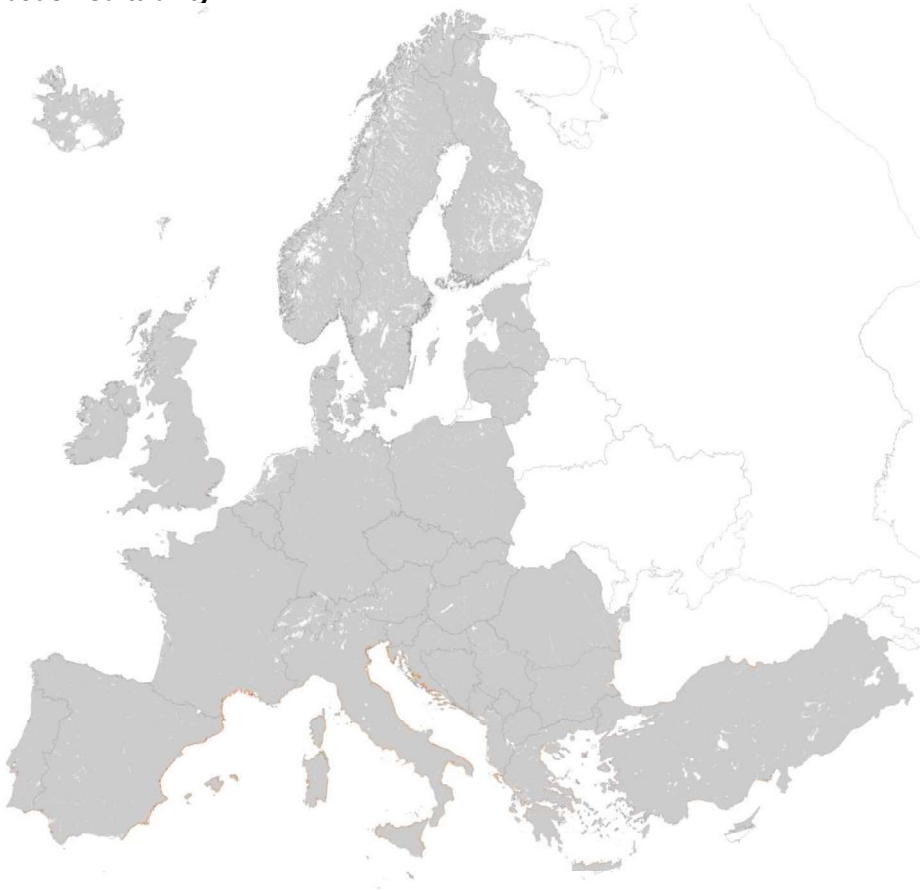
### Statistics from Maxent modelling

<b>AUC training (0-1)</b>	0.9982
<b>AUC test (0-1)</b>	0.9976
<b>10 percentile training presence threshold (0-1)</b>	0.514
<b>Contribution variables to the Maxent model (%)</b>	
Distance to coast	60.9367
Soil pH (water)	14.1021
Land Use Land cover (LULC 2012)	9.0518
Potential Evapotranspiration	7.9388
Precipitation of warmest quarter	2.4077
Phenology; NDVI mean	1.6464
Bulk density (kg/m <sup>3</sup> )	0.6566
Mean temperature of wettest quarter	0.6304
Annual precipitation	0.557
Distance to water (rivers, lakes, sea)	0.3528
Phenology; NDVI seasonality	0.3368
Precipitation seasonality (coef. of var.)	0.3173
Temperature seasonality (stdev * 100)	0.2844
Solar radiation	0.2246
Population density 2018	0.1399
Phenology; Length of season (days)	0.1103

**MA252 Mediterranean upper-mid saltmarshes and saline and brackish reed, rush and sedge beds - distribution**



**MA252 Mediterranean upper-mid saltmarshes and saline and brackish reed, rush and sedge beds - suitability**



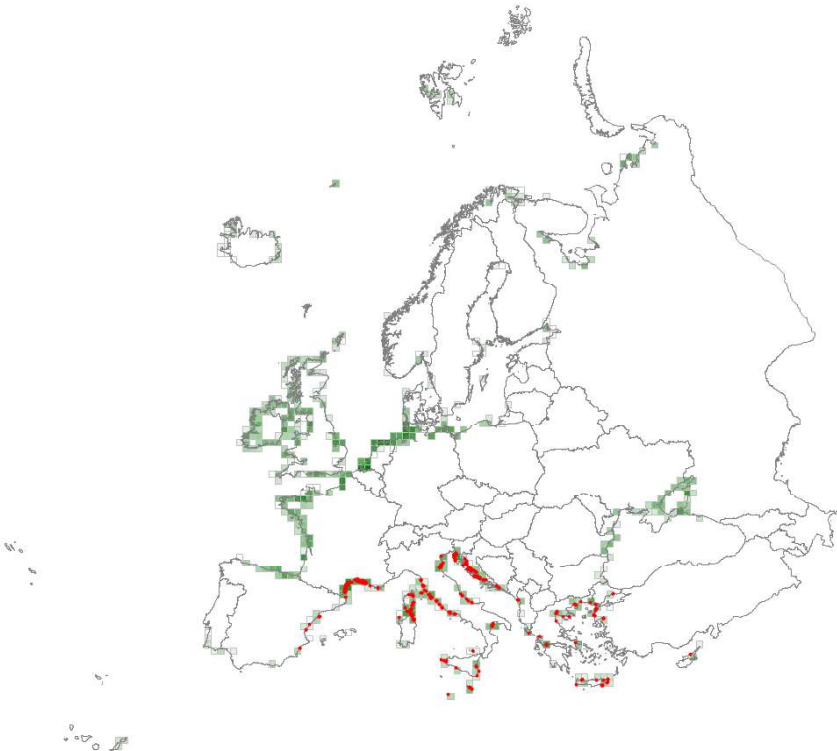
**MA252 Mediterranean upper-mid saltmarshes and saline and brackish reed, rush and sedge beds - binary map**



**Statistics from Maxent modelling**

<b>AUC training (0-1)</b>	0.9948
<b>AUC test (0-1)</b>	0.9933
<b>10 percentile training presence threshold (0-1)</b>	0.4861
<b>Contribution variables to the Maxent model (%)</b>	
Distance to coast	73.1282
Potential Evapotranspiration	13.2752
Soil pH (water)	4.8341
Bulk density (kg/m <sup>3</sup> )	1.4937
Land Use Land cover (LULC 2012)	1.3517
Precipitation of warmest quarter	1.1931
Mean temperature of wettest quarter	0.6834
Weight in % of silt particles (0.0002-0.05 mm)	0.4634
Population density 2018	0.4618
Volume % of coarse fragments (> 2 mm)	0.4419
Weight in % of sand particles (0.05-2 mm)	0.3523
Vegetation height (m)	0.3496
Phenology; Length of season (days)	0.2725
Phenology; End of Season (day number)	0.2497
Weight in % of clay particles (<0.0002 mm)	0.2232
Cation Exchange Capacity of the soil	0.1845
Phenology; Peak of season (day number)	0.176
Solar radiation	0.1749
Temperature seasonality (stdev * 100)	0.171
Precipitation seasonality (coef. of var.)	0.1432
Phenology; NDVI mean	0.107
Phenology; Start of Season (day number)	0.1023

**MA253 Mediterranean mid-low saltmarshes - distribution**



**MA253 Mediterranean mid-low saltmarshes - suitability**



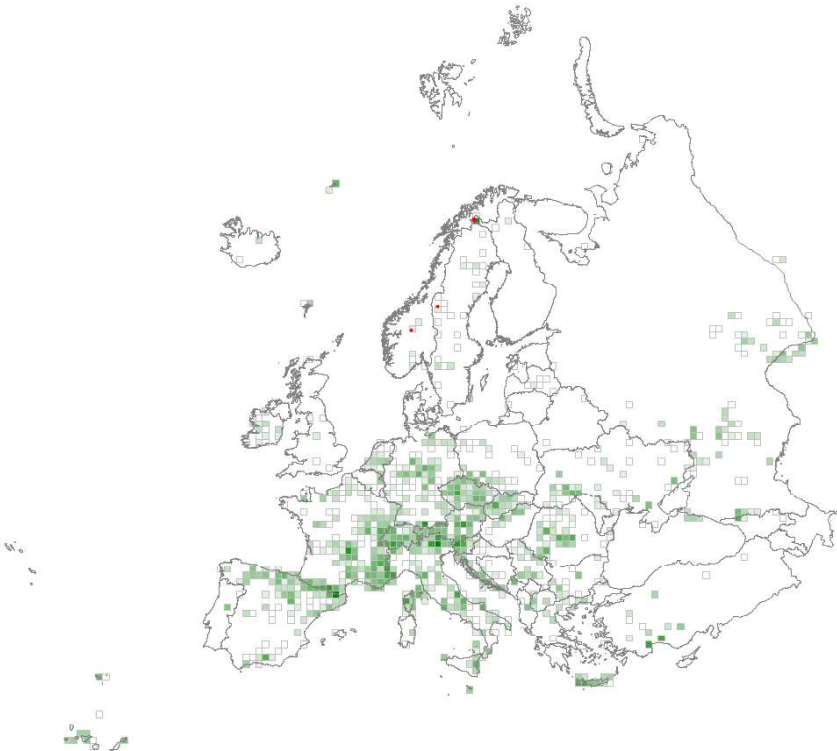
**MA253 Mediterranean mid-low saltmarshes - binary map**



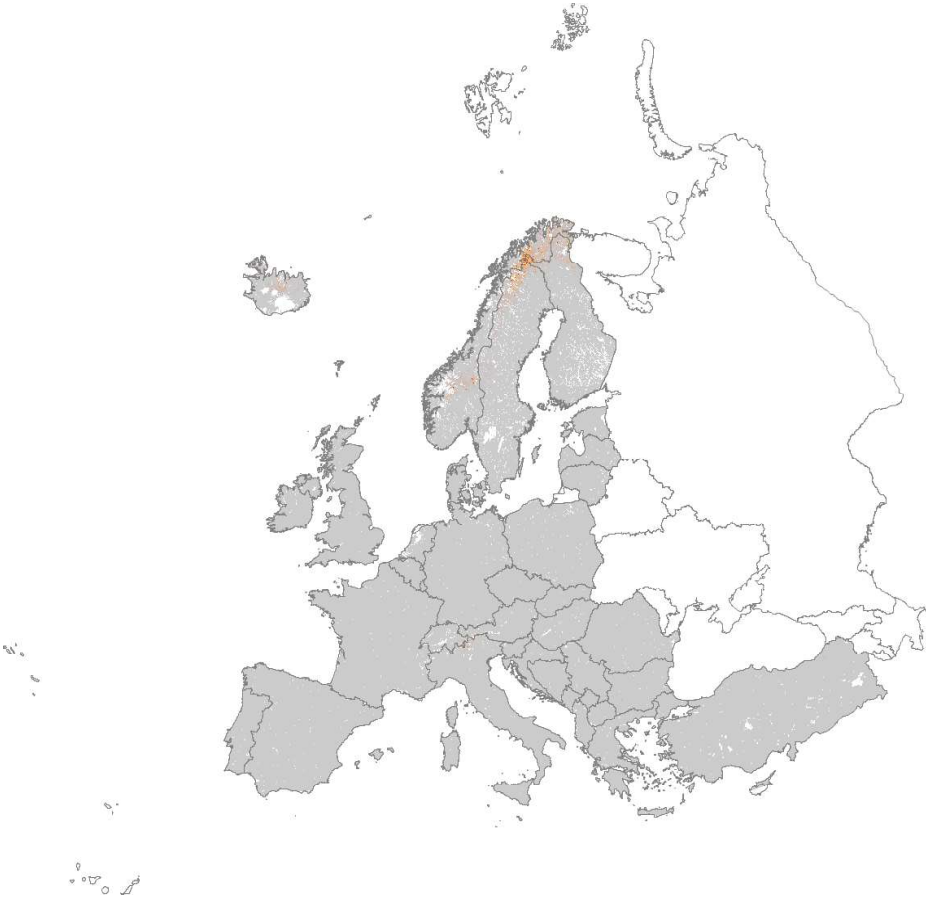
**Statistics from Maxent modelling**

<b>AUC training (0-1)</b>	0.9941
<b>AUC test (0-1)</b>	0.9928
<b>10 percentile training presence threshold (0-1)</b>	0.4921
<b>Contribution variables to the Maxent model (%)</b>	
Distance to coast	71.8242
Potential Evapotranspiration	14.0315
Soil pH (water)	4.1925
Land Use Land cover (LULC 2012)	1.8666
Precipitation of warmest quarter	1.4759
Mean temperature of wettest quarter	1.1651
Precipitation seasonality (coef. of var.)	0.9036
Phenology; Peak of season (day number)	0.8599
Solar radiation	0.3853
Bulk density (kg/m <sup>3</sup> )	0.3637
Phenology; NDVI seasonality	0.3562
Phenology; NDVI mean	0.3515
Phenology; Length of season (days)	0.3483
Weight in % of clay particles (<0.0002 mm)	0.3025
Inundation; occurrence	0.2641
Vegetation height (m)	0.2554
Temperature seasonality (stdev * 100)	0.2056
Population density 2018	0.1501
Phenology; Start of Season (day number)	0.1456
Volume % of coarse fragments (> 2 mm)	0.1433
Weight in % of silt particles (0.0002-0.05 mm)	0.1228
Phenology; End of Season (day number)	0.1228

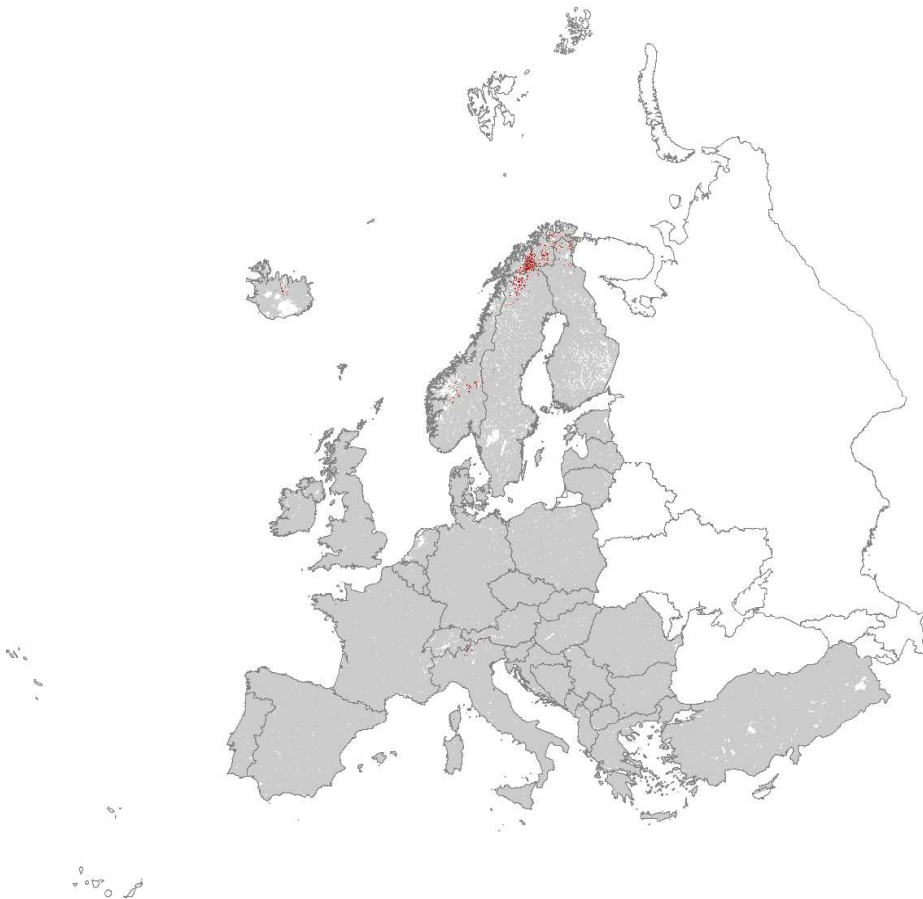
**U21 Boreal and arctic siliceous scree and block field - distribution**



**U21 Boreal and arctic siliceous scree and block field - suitability**



## U21 Boreal and arctic siliceous scree and block field - binary map

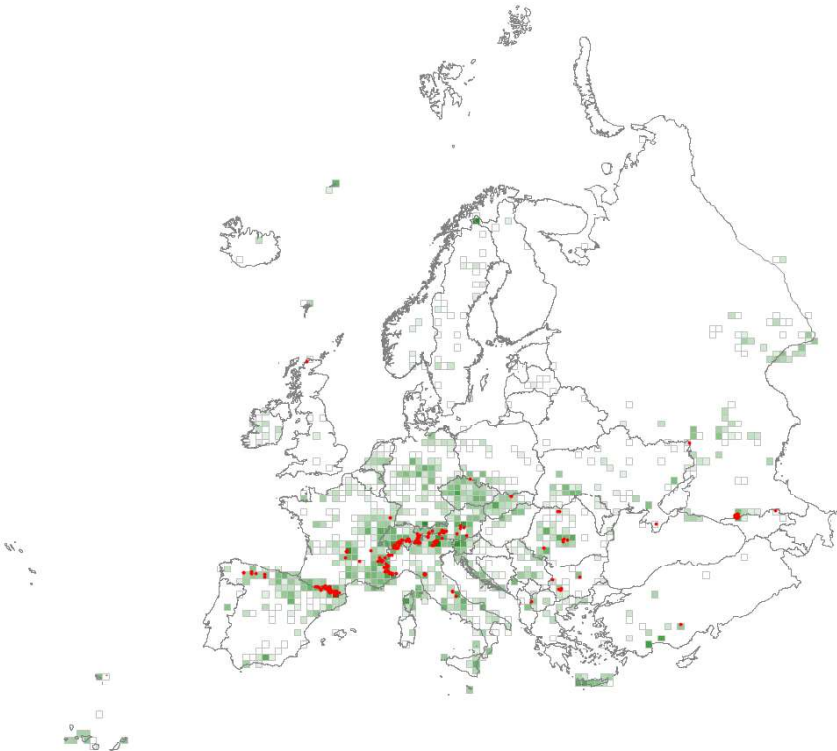


### Statistics from Maxent modelling

<b>AUC training (0-1)</b>	0.9981
<b>AUC test (0-1)</b>	0.9983
<b>10 percentile training presence threshold (0-1)</b>	0.2036
<b>Contribution variables to the Maxent model (%)</b>	
Potential Evapotranspiration	41.9809
Land Use Land cover (LULC 2012)	15.2251
Temperature seasonality (stdev * 100)	8.7591
Vegetation height (m)	8.685
Phenology; NDVI seasonality	7.4961
Annual precipitation	4.6906
Soil organic carbon content (‰)	3.2024
Distance to water (rivers, lakes, sea)	2.2452
Phenology; Peak of season (day number)	1.3263
Digital Elevation Map (DEM)	1.196
Phenology; Length of season (days)	1.1156
Soil pH (water)	1.0132
Phenology; NDVI mean	0.7618
Bulk density (kg/m <sup>3</sup> )	0.7368
Phenology; Low of season (day number)	0.3698
Phenology; Start of Season (day number)	0.3151
Volume % of coarse fragments (> 2 mm)	0.2901
Inundation; occurrence	0.243
Mean temperature of wettest quarter	0.1738
Precipitation seasonality (coef. of var.)	0.1007



**U22 Temperate high-mountain siliceous scree - distribution**



**U22 Temperate high-mountain siliceous scree - suitability**



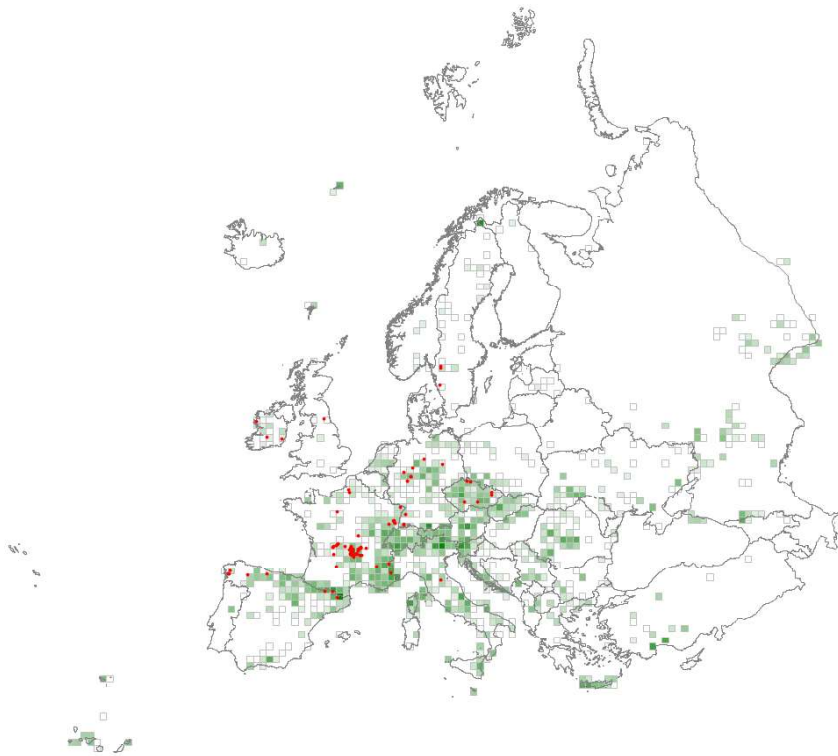
**U22 Temperate high-mountain siliceous scree - binary map**



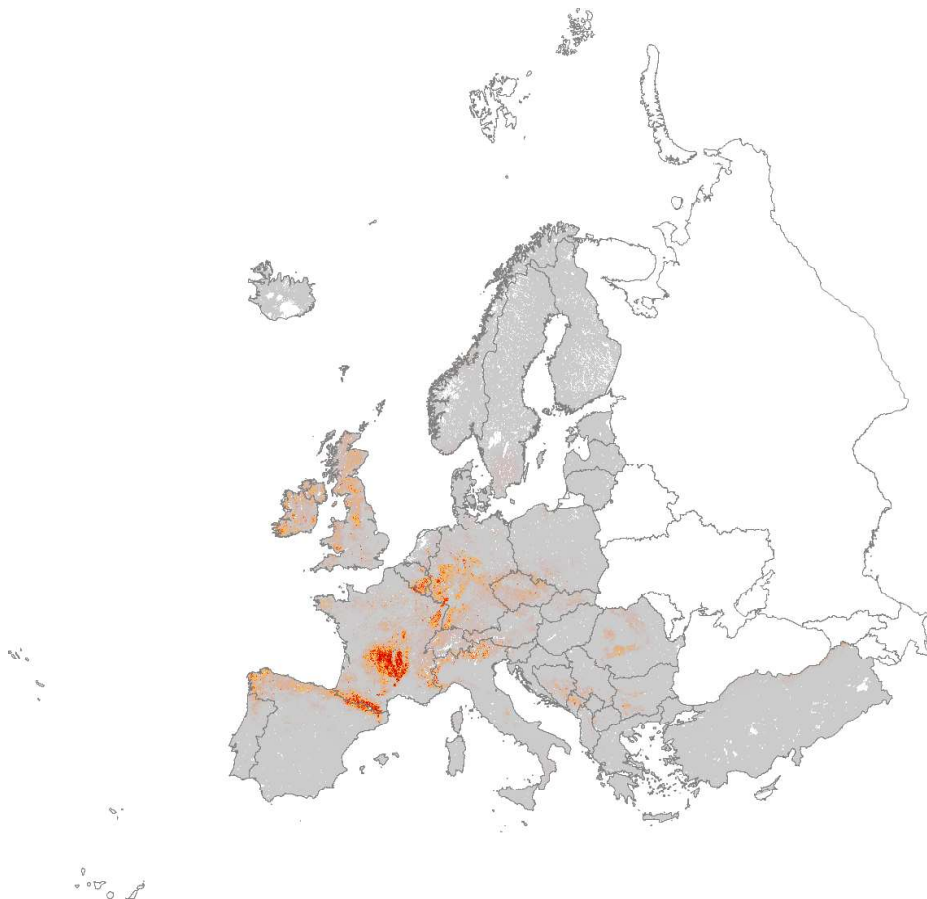
**Statistics from Maxent modelling**

<b>AUC training (0-1)</b>	0.9853
<b>AUC test (0-1)</b>	0.9821
<b>10 percentile training presence threshold (0-1)</b>	0.4218
<b>Contribution variables to the Maxent model (%)</b>	
Digital Elevation Map (DEM)	70.1089
Precipitation of warmest quarter	13.6419
Soil organic carbon content (‰)	3.434
Temperature seasonality (stdev * 100)	2.8129
Potential Evapotranspiration	2.0988
Phenology; End of Season (day number)	1.2464
Soil pH (water)	1.2131
Weight in % of sand particles (0.05-2 mm)	1.213
Solar radiation	0.6405
Phenology; Low of season (day number)	0.6374
Land Use Land cover (LULC 2012)	0.5817
Annual precipitation	0.5545
Precipitation seasonality (coef. of var.)	0.4646
Mean temperature of wettest quarter	0.3997
Weight in % of clay particles (<0.0002 mm)	0.2181
Vegetation height (m)	0.1813
Distance to water (rivers, lakes, sea)	0.1058

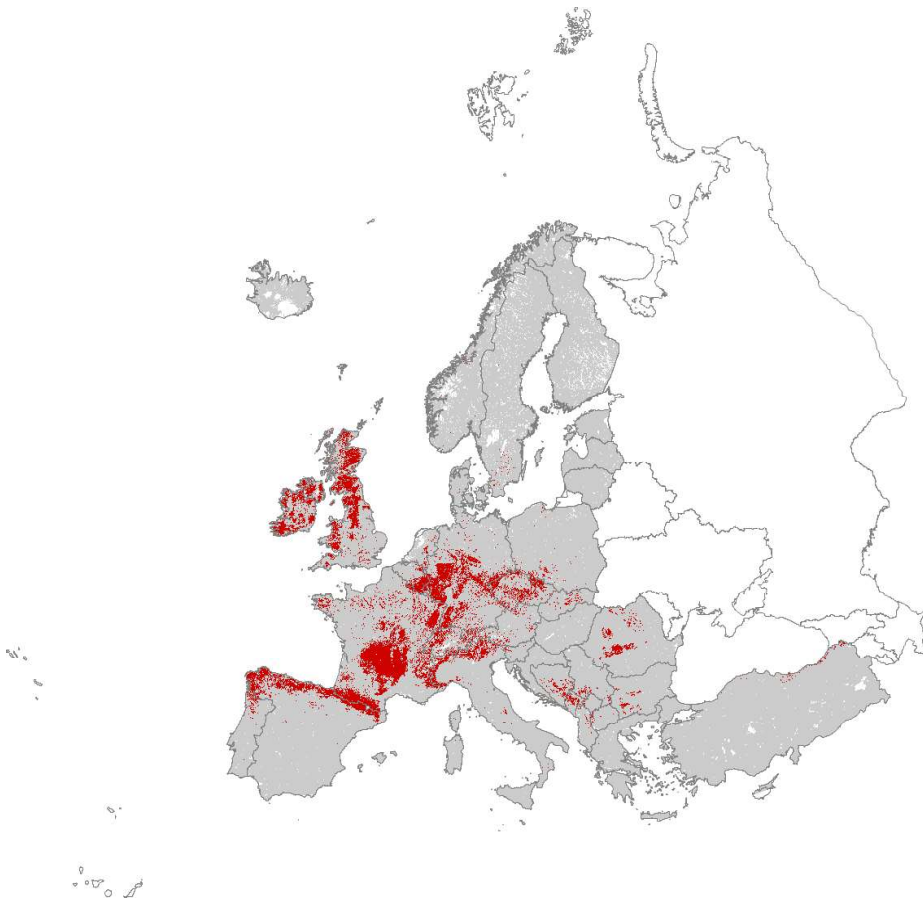
**U23 Temperate, lowland to montane siliceous scree - distribution**



**U23 Temperate, lowland to montane siliceous scree - suitability**



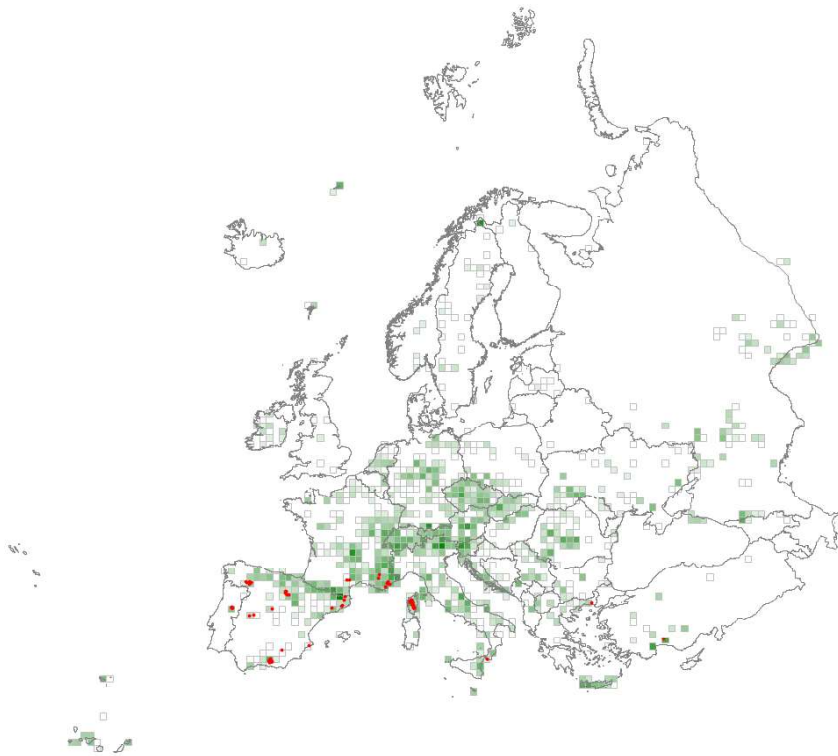
**U23 Temperate, lowland to montane siliceous scree - binary map**



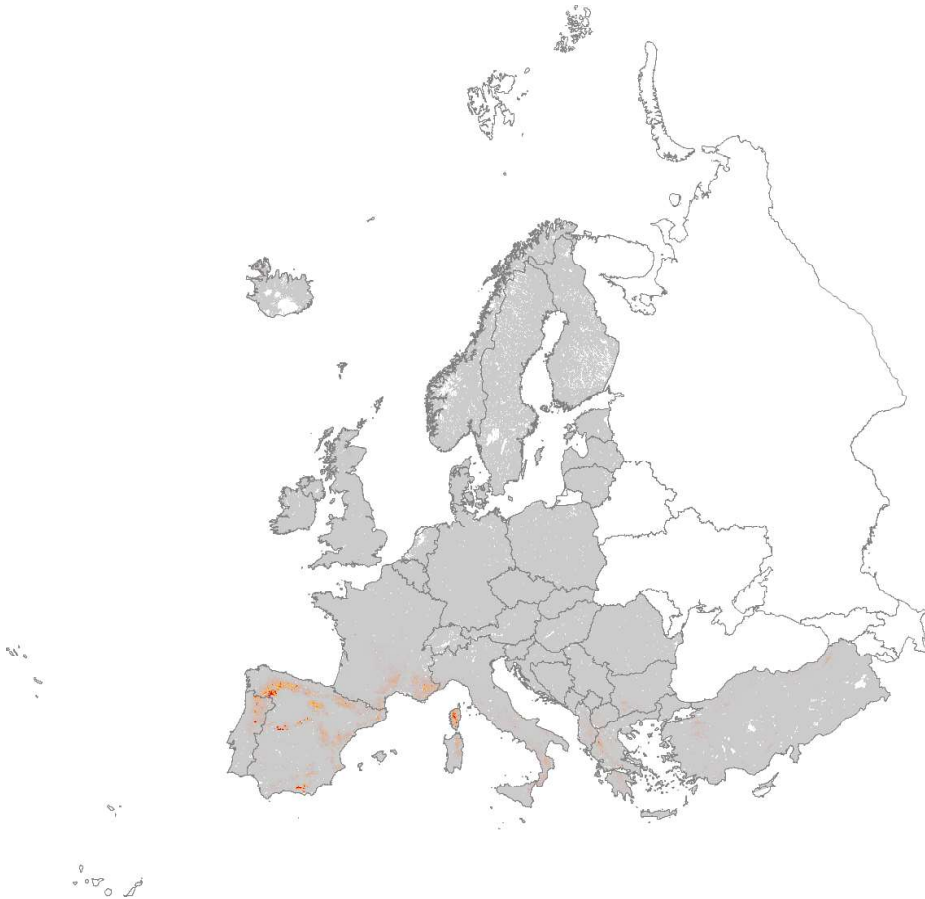
**Statistics from Maxent modelling**

<b>AUC training (0-1)</b>	0.9666
<b>AUC test (0-1)</b>	0.9436
<b>10 percentile training presence threshold (0-1)</b>	0.1162
<b>Contribution variables to the Maxent model (%)</b>	
Temperature seasonality (stdev * 100)	27.0014
Soil pH (water)	18.0791
Precipitation of warmest quarter	15.2522
Potential Evapotranspiration	10.8656
Volume % of coarse fragments (> 2 mm)	7.4799
Digital Elevation Map (DEM)	6.6311
Land Use Land cover (LULC 2012)	6.3936
Weight in % of sand particles (0.05-2 mm)	1.7302
Annual precipitation	1.0285
Mean temperature of wettest quarter	0.9947
Cation Exchange Capacity of the soil	0.653
Vegetation height (m)	0.6253
Phenology; Start of Season (day number)	0.6074
Bulk density (kg/m <sup>3</sup> )	0.5578
Phenology; Length of season (days)	0.5445
Weight in % of silt particles (0.0002-0.05 mm)	0.3823
Distance to water (rivers, lakes, sea)	0.3017
Solar radiation	0.2063
Precipitation seasonality (coef. of var.)	0.1831
Population density 2018	0.1732
Soil organic carbon content (‰)	0.1327

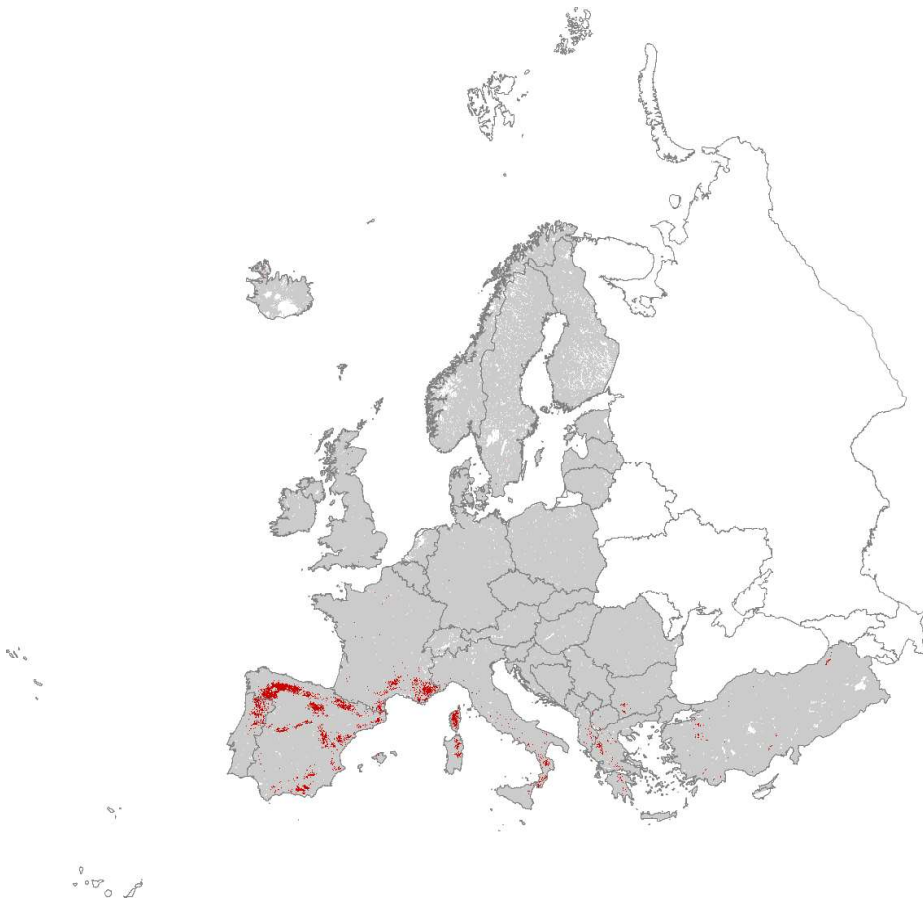
**U24 Mediterranean siliceous scree - distribution**



**U24 Mediterranean siliceous scree - suitability**



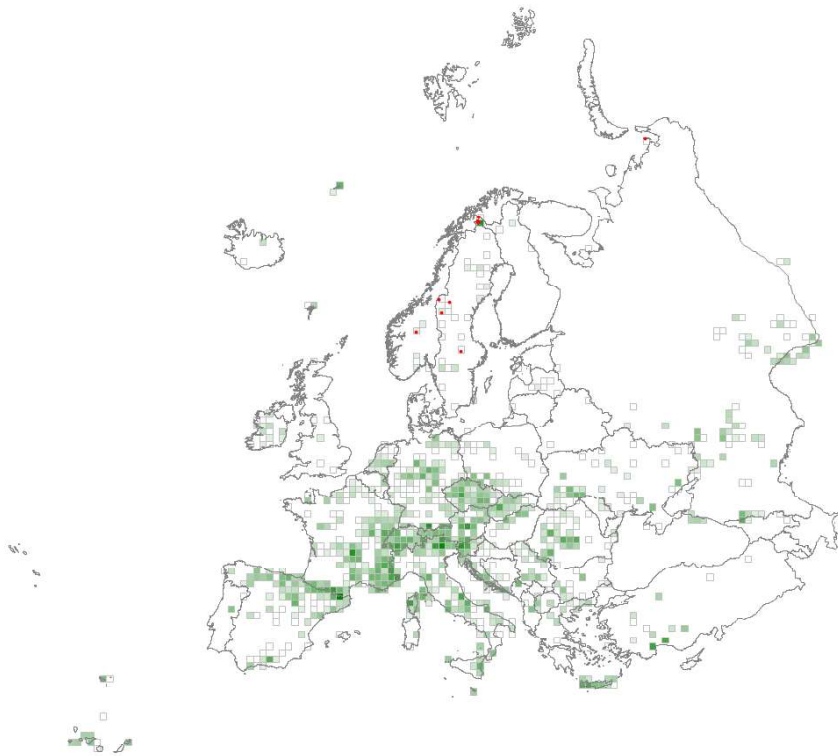
## U24 Mediterranean siliceous scree - binary map



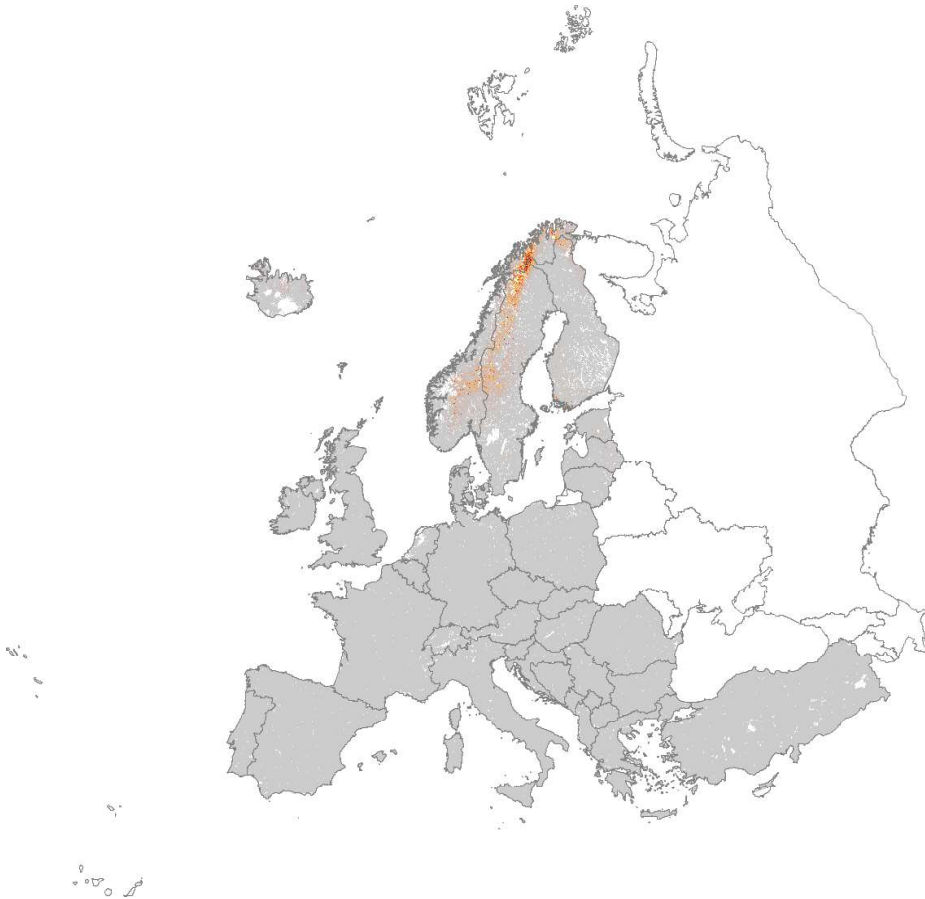
### Statistics from Maxent modelling

<b>AUC training (0-1)</b>	0.9893
<b>AUC test (0-1)</b>	0.9715
<b>10 percentile training presence threshold (0-1)</b>	0.1615
<b>Contribution variables to the Maxent model (%)</b>	
Digital Elevation Map (DEM)	39.9555
Temperature seasonality (stdev * 100)	14.1811
Precipitation of warmest quarter	12.3156
Annual precipitation	8.4118
Population density 2018	5.2169
Phenology; Start of Season (day number)	3.2082
Soil organic carbon content (‰)	2.8733
Weight in % of sand particles (0.05-2 mm)	2.7738
Land Use Land cover (LULC 2012)	2.0766
Phenology; NDVI seasonality	1.7394
Phenology; End of Season (day number)	1.5078
Precipitation seasonality (coef. of var.)	1.3648
Volume % of coarse fragments (> 2 mm)	0.997
Phenology; Low of season (day number)	0.7626
Phenology; Length of season (days)	0.7444
Phenology; NDVI mean	0.449
Cation Exchange Capacity of the soil	0.3112
Weight in % of silt particles (0.0002-0.05 mm)	0.2819
Phenology; Peak of season (day number)	0.2151
Distance to water (rivers, lakes, sea)	0.2065
Soil pH (water)	0.1575

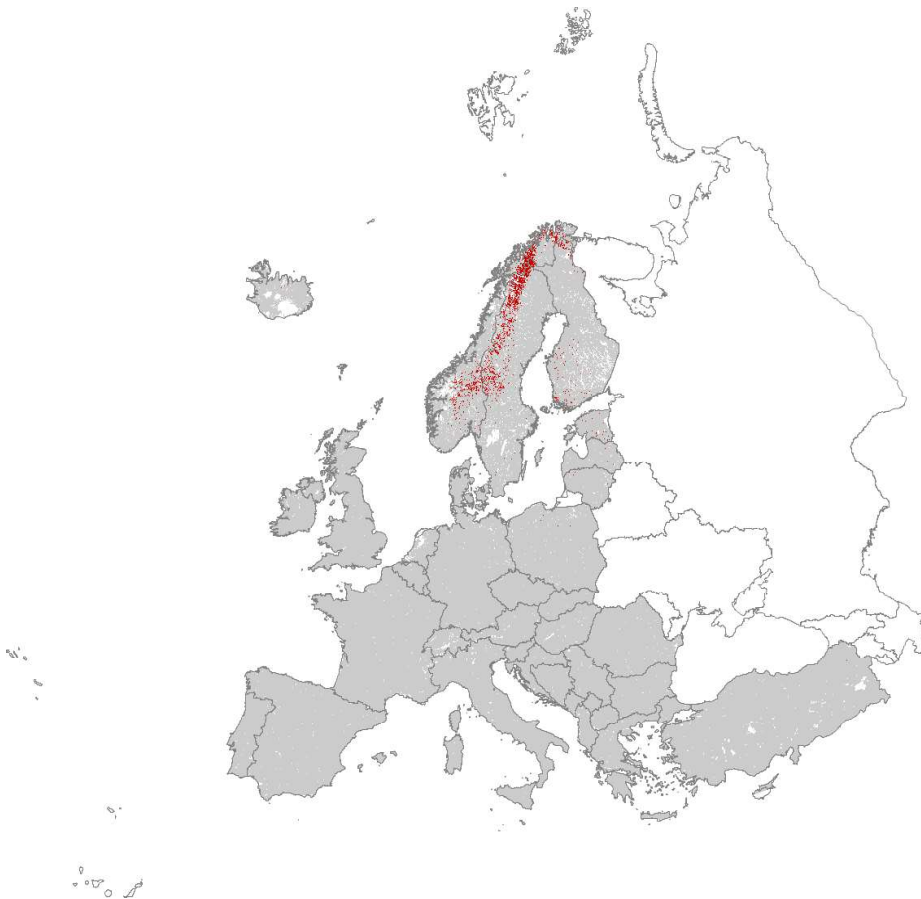
**U25 Boreal and arctic base-rich scree and block field - distribution**



**U25 Boreal and arctic base-rich scree and block field - suitability**



**U25 Boreal and arctic base-rich scree and block field - binary map**

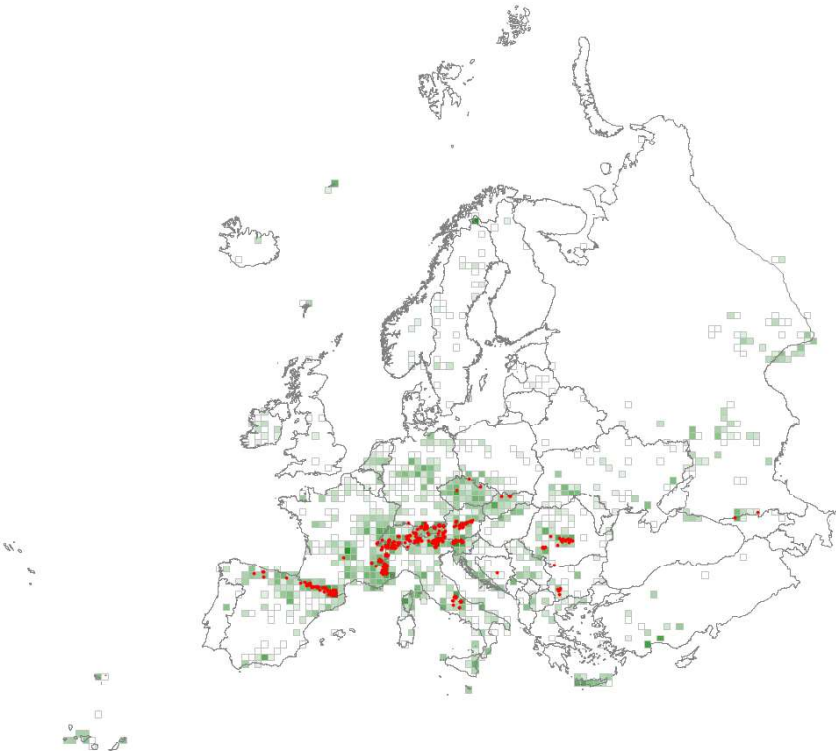


**Statistics from Maxent modelling**

<b>AUC training (0-1)</b>	0.9964
<b>AUC test (0-1)</b>	0.9708
<b>10 percentile training presence threshold (0-1)</b>	0.199
<b>Contribution variables to the Maxent model (%)</b>	
Potential Evapotranspiration	45.8417
Temperature seasonality (stdev * 100)	24.5325
Digital Elevation Map (DEM)	6.5598
Distance to water (rivers, lakes, sea)	5.3643
Population density 2018	5.1664
Land Use Land cover (LULC 2012)	3.636
Vegetation height (m)	3.061
Phenology; Length of season (days)	1.1492
Precipitation seasonality (coef. of var.)	0.8682
Soil organic carbon content (‰)	0.752
Mean temperature of wettest quarter	0.7487
Bulk density (kg/m <sup>3</sup> )	0.6252
Inundation; occurrence	0.5407
Weight in % of clay particles (<0.0002 mm)	0.4989
Annual precipitation	0.2738
Weight in % of sand particles (0.05-2 mm)	0.112



**U26 Temperate high-mountain base-rich scree and moraine - distribution**



**U26 Temperate high-mountain base-rich scree and moraine - suitability**



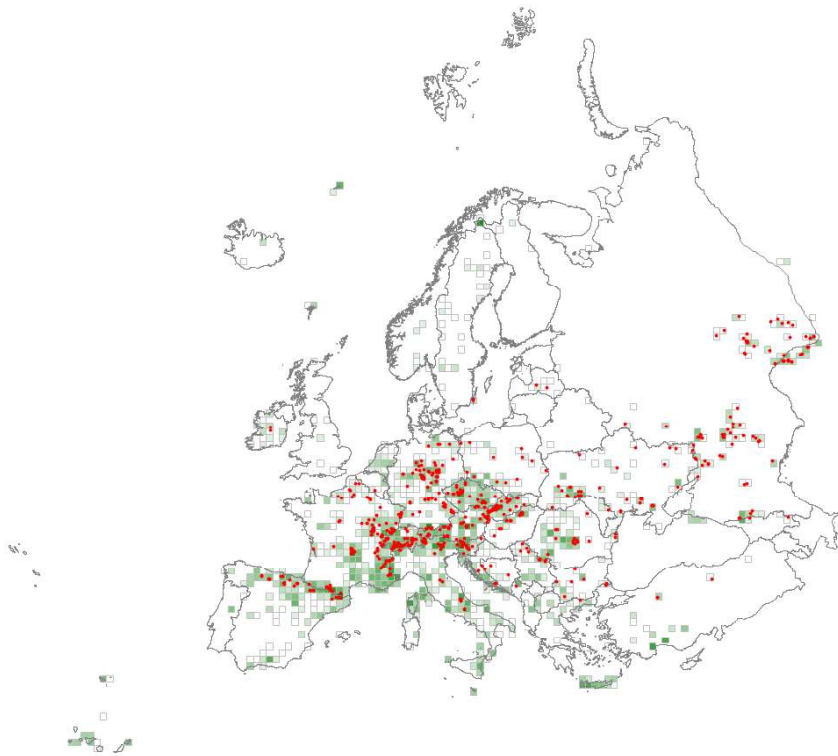
**U26 Temperate high-mountain base-rich scree and moraine - binary map**



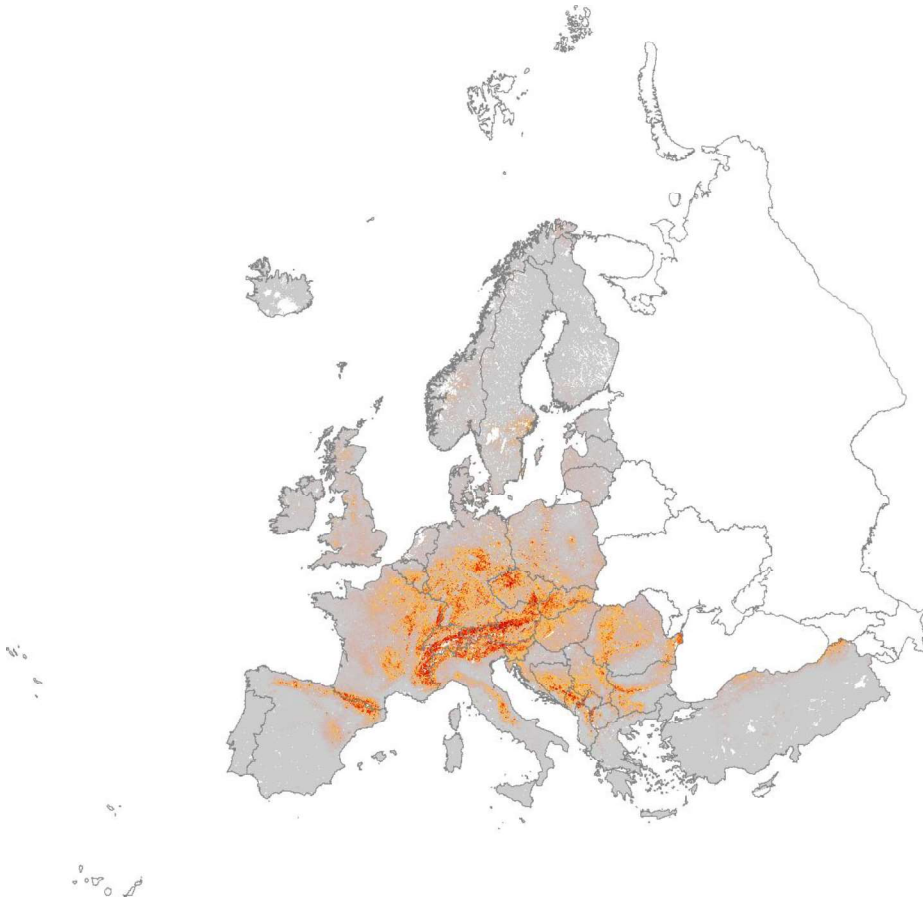
**Statistics from Maxent modelling**

<b>AUC training (0-1)</b>	0.971
<b>AUC test (0-1)</b>	0.9703
<b>10 percentile training presence threshold (0-1)</b>	0.4344
<b>Contribution variables to the Maxent model (%)</b>	
Digital Elevation Map (DEM)	62.3834
Precipitation of warmest quarter	23.3437
Phenology; End of Season (day number)	2.4762
Phenology; Start of Season (day number)	1.7062
Soil organic carbon content (‰)	1.6217
Weight in % of silt particles (0.0002-0.05 mm)	1.3845
Volume % of coarse fragments (> 2 mm)	1.2298
Weight in % of clay particles (<0.0002 mm)	1.1459
Weight in % of sand particles (0.05-2 mm)	0.8886
Potential Evapotranspiration	0.8294
Phenology; Low of season (day number)	0.5869
Bulk density (kg/m <sup>3</sup> )	0.4571
Phenology; Length of season (days)	0.431
Land Use Land cover (LULC 2012)	0.3923
Vegetation height (m)	0.1898
Phenology; NDVI seasonality	0.1755
Phenology; NDVI mean	0.1602
Temperature seasonality (stdev * 100)	0.1421

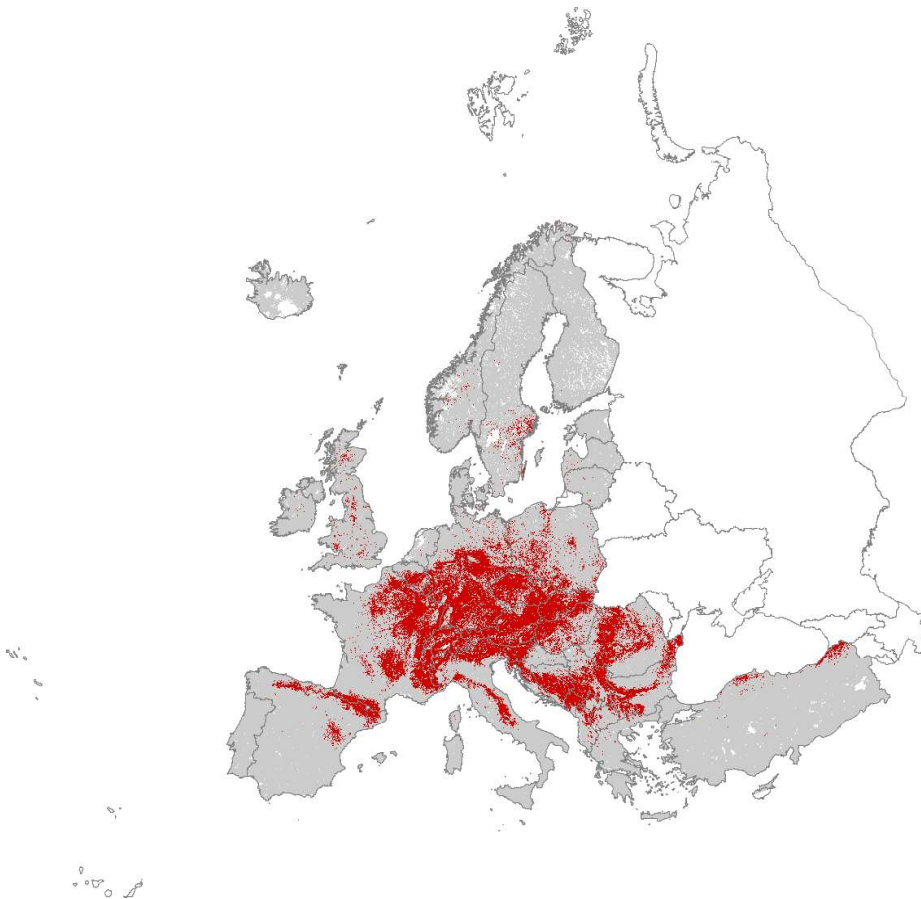
**U27 Temperate, lowland to montane base-rich scree - distribution**



**U27 Temperate, lowland to montane base-rich scree - suitability**



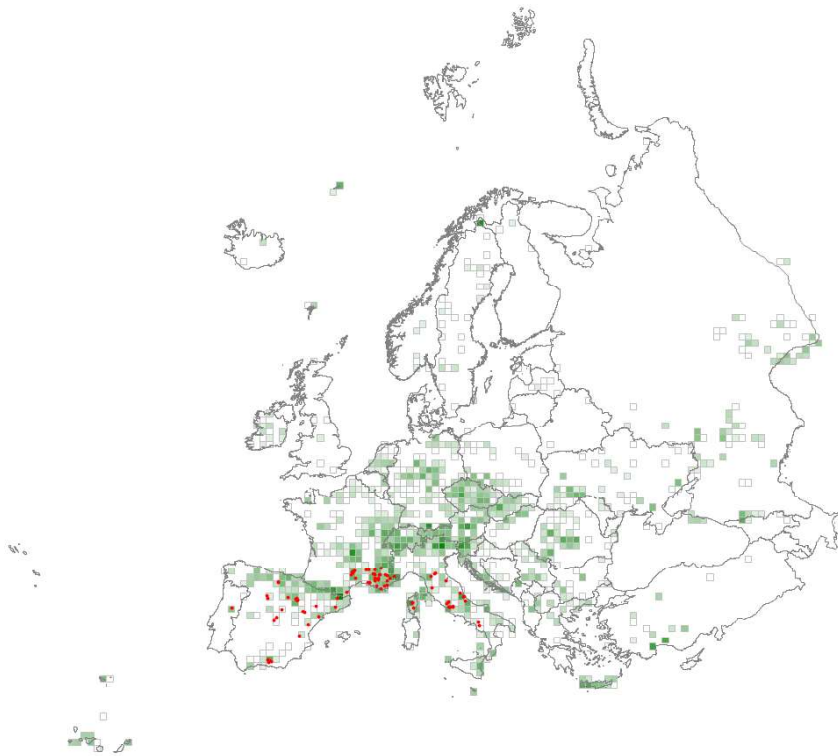
**U27 Temperate, lowland to montane base-rich scree - binary map**



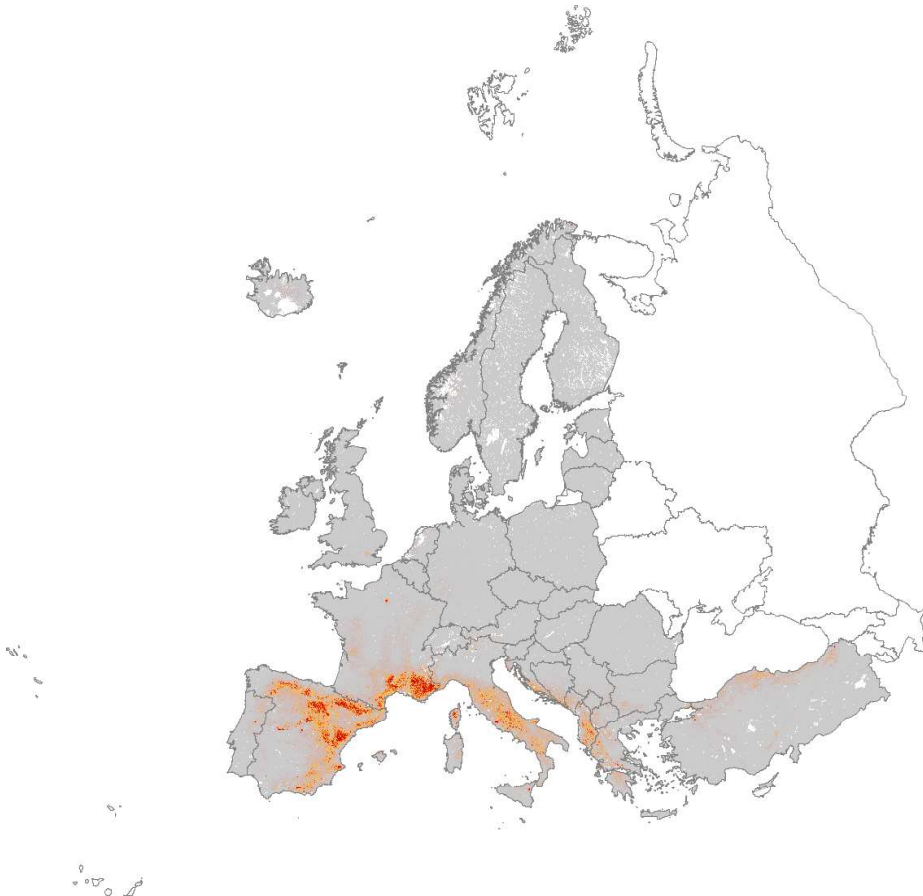
**Statistics from Maxent modelling**

<b>AUC training (0-1)</b>	0.9201
<b>AUC test (0-1)</b>	0.8987
<b>10 percentile training presence threshold (0-1)</b>	0.2358
<b>Contribution variables to the Maxent model (%)</b>	
Precipitation of warmest quarter	30.3113
Digital Elevation Map (DEM)	11.6861
Weight in % of clay particles (<0.0002 mm)	11.0189
Temperature seasonality (stdev * 100)	9.2527
Soil pH (water)	8.1318
Potential Evapotranspiration	5.0668
Phenology; End of Season (day number)	4.2368
Annual precipitation	3.7073
Land Use Land cover (LULC 2012)	3.1574
Volume % of coarse fragments (> 2 mm)	2.3115
Mean temperature of wettest quarter	2.0839
Phenology; Low of season (day number)	1.3538
Distance to water (rivers, lakes, sea)	1.3299
Solar radiation	1.0558
Population density 2018	0.9504
Precipitation seasonality (coef. of var.)	0.7899
Vegetation height (m)	0.6332
Phenology; Length of season (days)	0.5284
Bulk density (kg/m <sup>3</sup> )	0.4915
Cation Exchange Capacity of the soil	0.3784
Phenology; NDVI mean	0.3089
Inundation; occurrence	0.2823
Phenology; Start of Season (day number)	0.217
Phenology; NDVI seasonality	0.2114

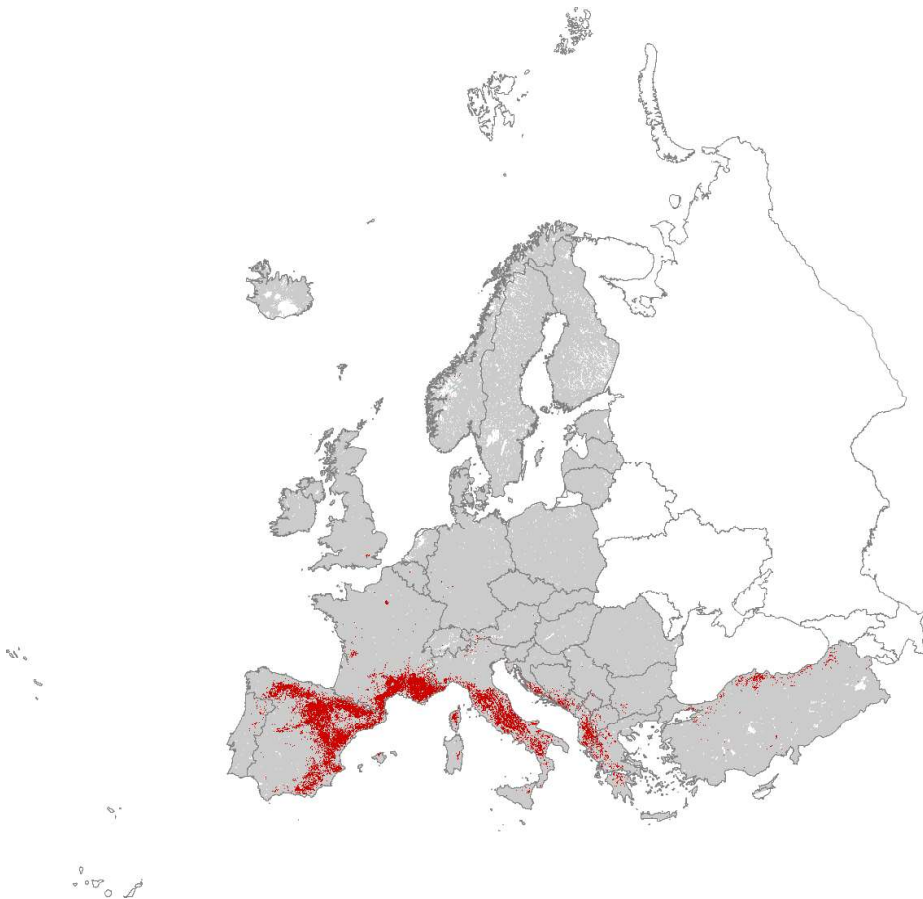
**U28 Western Mediterranean base-rich scree - distribution**



**U28 Western Mediterranean base-rich scree - suitability**



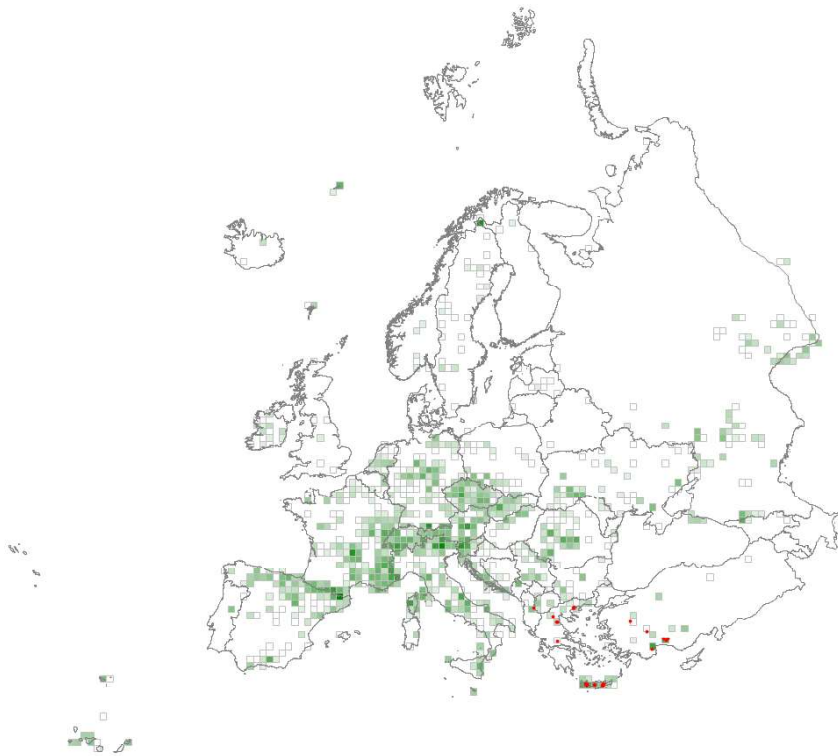
## U28 Western Mediterranean base-rich scree - binary map



### Statistics from Maxent modelling

<b>AUC training (0-1)</b>	0.9794
<b>AUC test (0-1)</b>	0.9728
<b>10 percentile training presence threshold (0-1)</b>	0.2183
<b>Contribution variables to the Maxent model (%)</b>	
Temperature seasonality (stdev * 100)	30.4131
Soil pH (water)	16.7341
Digital Elevation Map (DEM)	9.8447
Land Use Land cover (LULC 2012)	9.2044
Precipitation of warmest quarter	7.1062
Volume % of coarse fragments (> 2 mm)	4.1967
Precipitation seasonality (coef. of var.)	3.4987
Population density 2018	3.2241
Phenology; NDVI seasonality	2.6001
Phenology; Start of Season (day number)	2.5221
Potential Evapotranspiration	1.7009
Weight in % of clay particles (<0.0002 mm)	1.6948
Phenology; Low of season (day number)	1.5357
Annual precipitation	0.8654
Soil organic carbon content (‰)	0.8169
Weight in % of sand particles (0.05-2 mm)	0.735
Weight in % of silt particles (0.0002-0.05 mm)	0.6116
Phenology; NDVI mean	0.5951
Vegetation height (m)	0.4334
Solar radiation	0.3013
Phenology; Length of season (days)	0.2961
Phenology; Peak of season (day number)	0.2919
Mean temperature of wettest quarter	0.2546
Phenology; End of Season (day number)	0.2124

**U29 Eastern Mediterranean base-rich scree - distribution**



**U29 Eastern Mediterranean base-rich scree - suitability**



## U29 Eastern Mediterranean base-rich scree - binary map

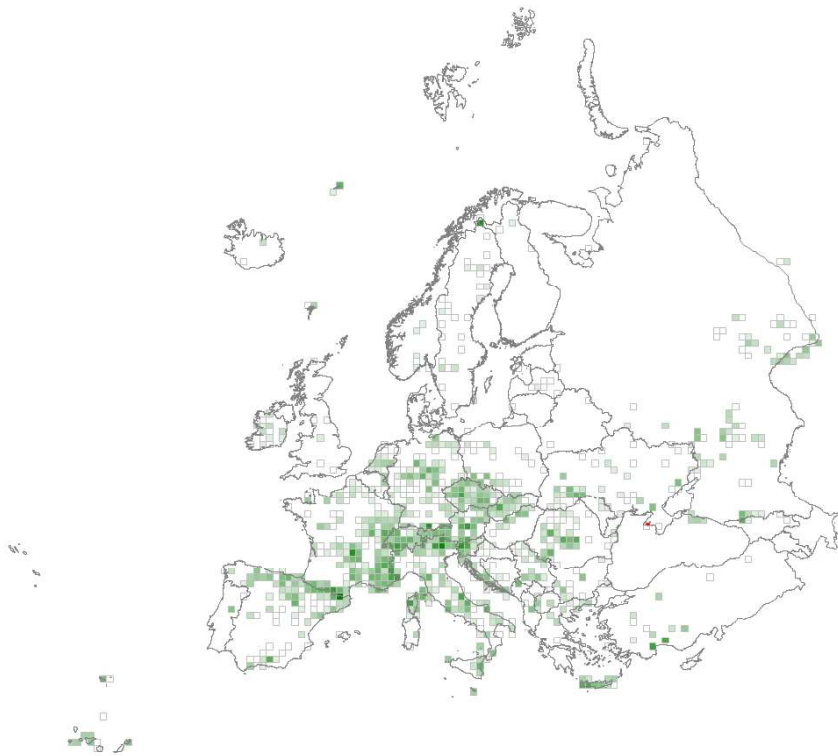


### Statistics from Maxent modelling

<b>AUC training (0-1)</b>	0.9953
<b>AUC test (0-1)</b>	0.9982
<b>10 percentile training presence threshold (0-1)</b>	0.2099
<b>Contribution variables to the Maxent model (%)</b>	
Precipitation seasonality (coef. of var.)	22.8275
Digital Elevation Map (DEM)	22.1449
Phenology; NDVI seasonality	17.7893
Mean temperature of wettest quarter	11.8009
Volume % of coarse fragments (> 2 mm)	5.866
Temperature seasonality (stdev * 100)	5.5851
Land Use Land cover (LULC 2012)	4.5305
Potential Evapotranspiration	3.1729
Phenology; Length of season (days)	1.9922
Precipitation of warmest quarter	1.9138
Distance to water (rivers, lakes, sea)	0.7357
Population density 2018	0.7176
Phenology; Start of Season (day number)	0.2709
Vegetation height (m)	0.158
Phenology; End of Season (day number)	0.1511
Weight in % of sand particles (0.05-2 mm)	0.1358

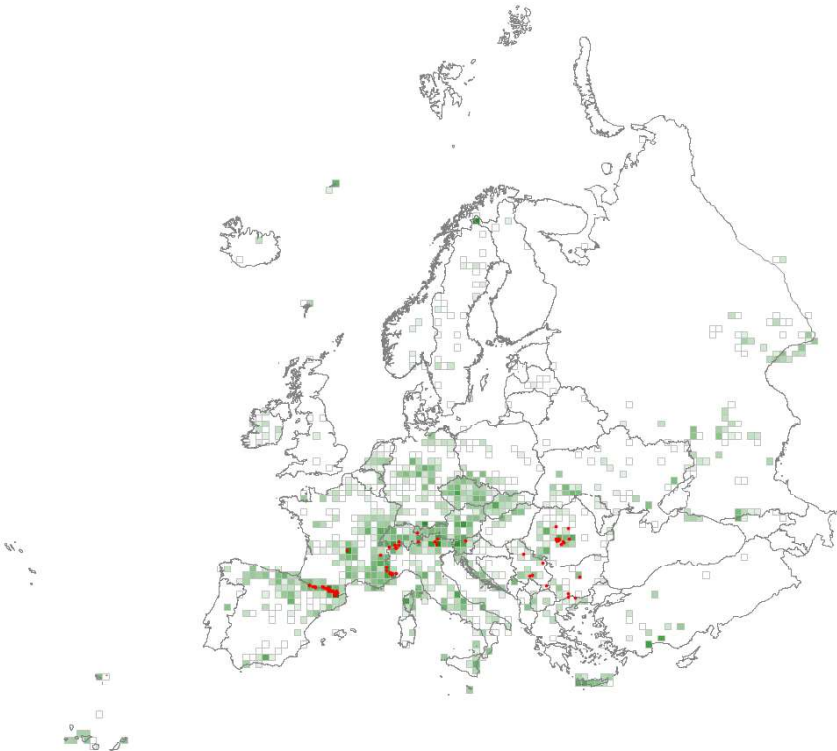


## U2A Crimean base-rich screes - distribution

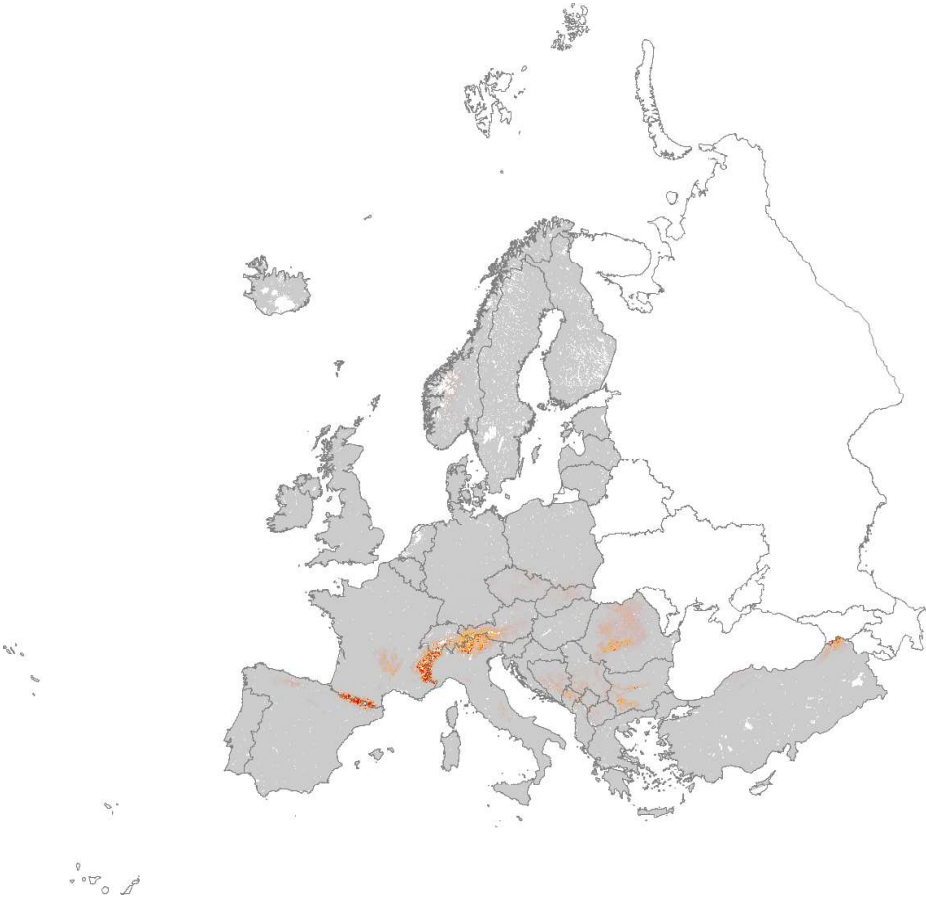


Not enough data to run a Maxent model or the habitat type only occurs outside the study area.

**U32 Temperate high-mountain siliceous inland cliff - distribution**



**U32 Temperate high-mountain siliceous inland cliff - suitability**



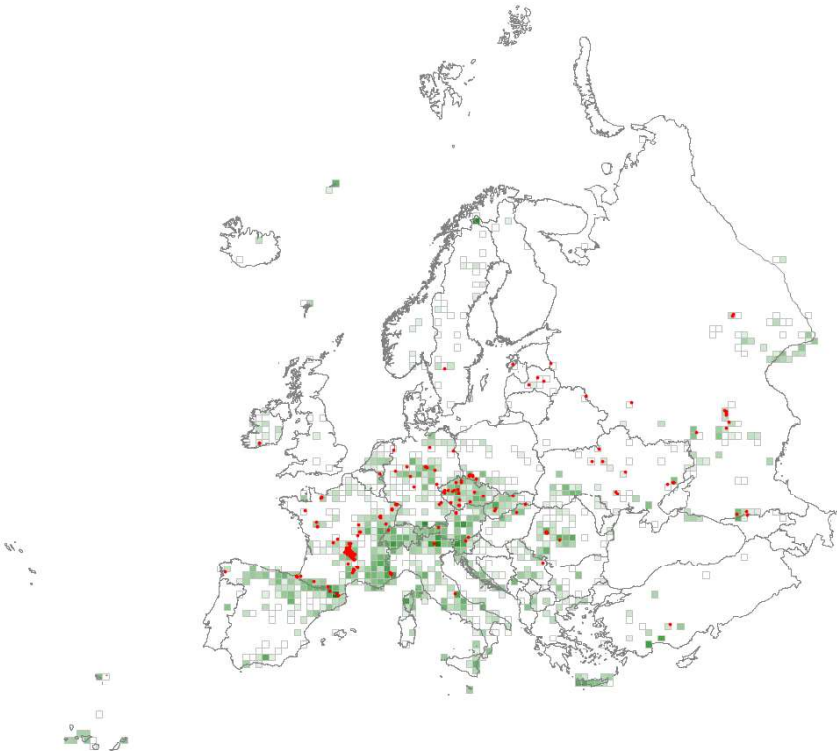
## U32 Temperate high-mountain siliceous inland cliff - binary map



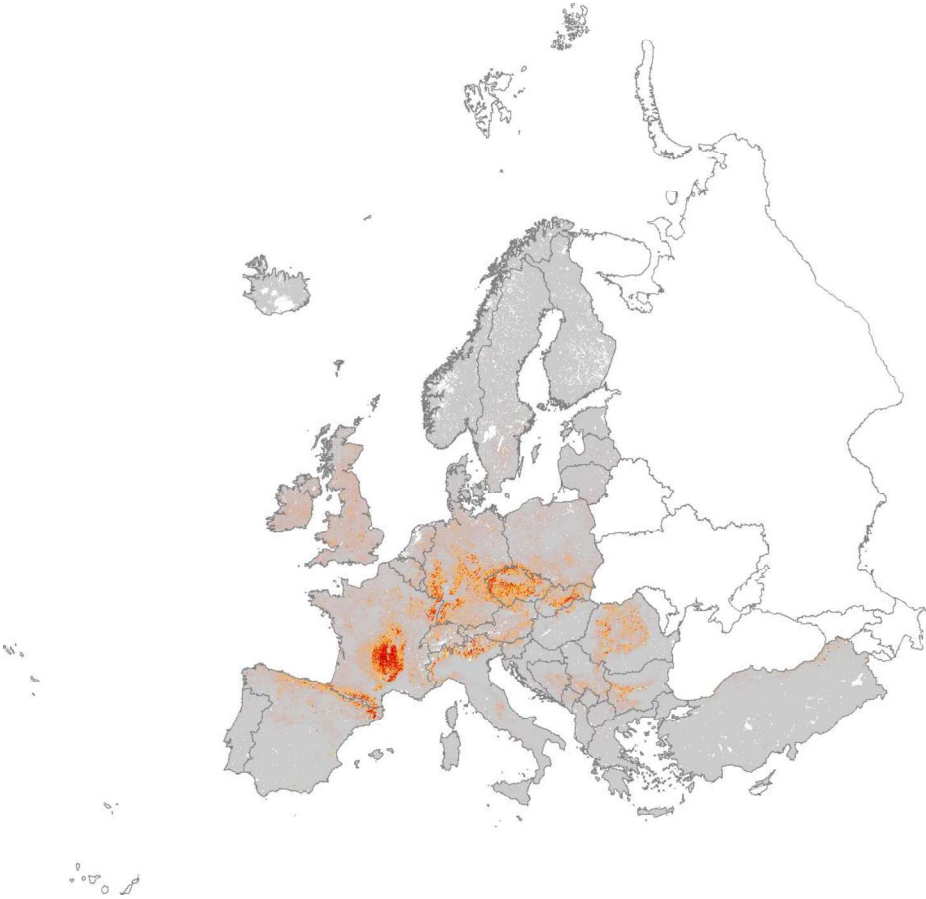
### Statistics from Maxent modelling

<b>AUC training (0-1)</b>	0.9855
<b>AUC test (0-1)</b>	0.9941
<b>10 percentile training presence threshold (0-1)</b>	0.2116
<b>Contribution variables to the Maxent model (%)</b>	
Digital Elevation Map (DEM)	48.4881
Precipitation of warmest quarter	24.8434
Soil organic carbon content (‰)	3.8663
Phenology; End of Season (day number)	2.9519
Land Use Land cover (LULC 2012)	2.4015
Precipitation seasonality (coef. of var.)	1.967
Weight in % of silt particles (0.0002-0.05 mm)	1.7009
Temperature seasonality (stdev * 100)	1.3601
Phenology; Peak of season (day number)	1.2167
Distance to water (rivers, lakes, sea)	1.1297
Bulk density (kg/m <sup>3</sup> )	1.1169
Weight in % of sand particles (0.05-2 mm)	1.0073
Cation Exchange Capacity of the soil	0.9742
Volume % of coarse fragments (> 2 mm)	0.9731
Phenology; Low of season (day number)	0.9151
Potential Evapotranspiration	0.8679
Weight in % of clay particles (<0.0002 mm)	0.7771
Phenology; Start of Season (day number)	0.6911
Annual precipitation	0.5971
Phenology; Length of season (days)	0.4881
Vegetation height (m)	0.4687
Phenology; NDVI mean	0.357
Mean temperature of wettest quarter	0.3002
Soil pH (water)	0.2105

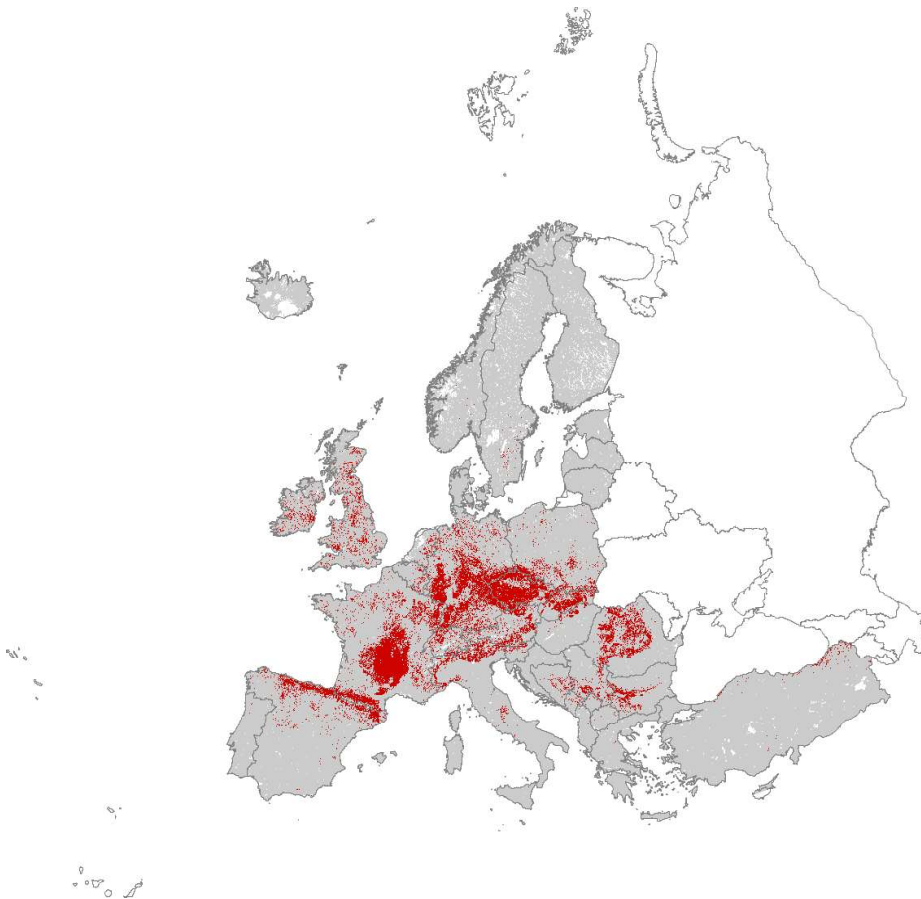
**U33 Temperate, lowland to montane siliceous inland cliff - distribution**



**U33 Temperate, lowland to montane siliceous inland cliff - suitability**



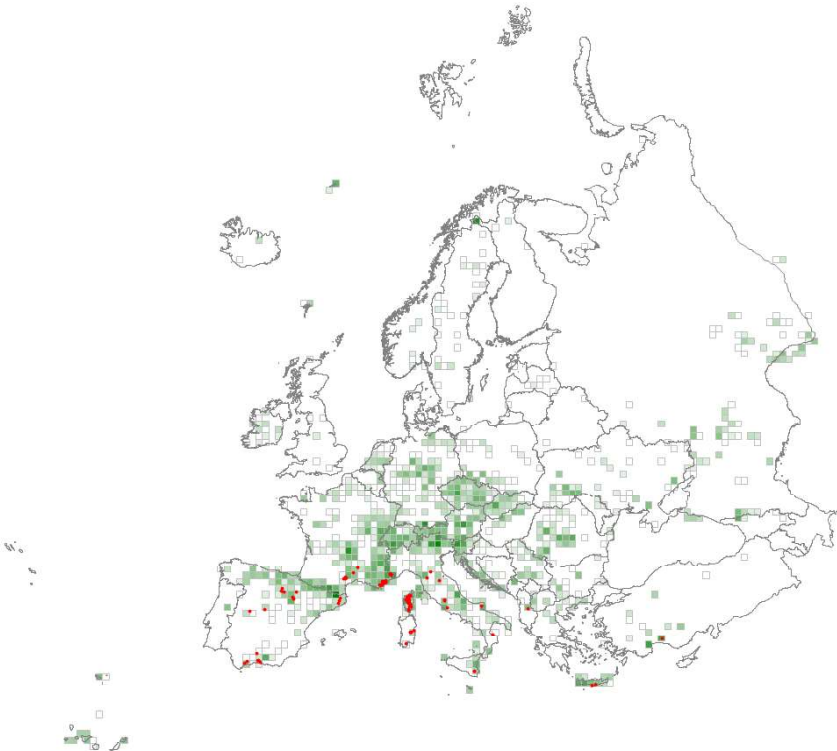
**U33 Temperate, lowland to montane siliceous inland cliff - binary map**



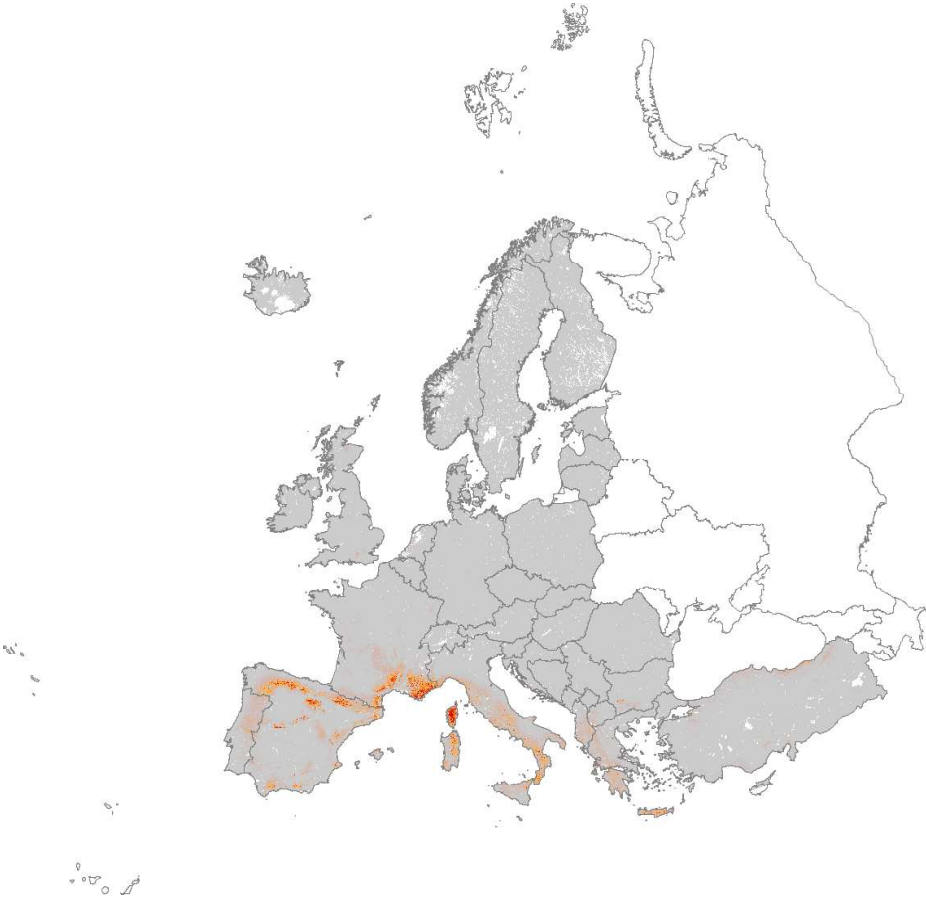
**Statistics from Maxent modelling**

<b>AUC training (0-1)</b>	0.953
<b>AUC test (0-1)</b>	0.9279
<b>10 percentile training presence threshold (0-1)</b>	0.1719
<b>Contribution variables to the Maxent model (%)</b>	
Precipitation of warmest quarter	21.8011
Volume % of coarse fragments (> 2 mm)	15.6843
Potential Evapotranspiration	13.0717
Temperature seasonality (stdev * 100)	7.1718
Digital Elevation Map (DEM)	5.7375
Land Use Land cover (LULC 2012)	5.1198
Distance to water (rivers, lakes, sea)	4.2666
Weight in % of sand particles (0.05-2 mm)	4.1968
Population density 2018	4.0257
Mean temperature of wettest quarter	3.4694
Annual precipitation	3.0705
Phenology; Length of season (days)	2.5773
Solar radiation	1.689
Soil pH (water)	1.5702
Vegetation height (m)	1.4679
Phenology; NDVI seasonality	1.462
Phenology; Low of season (day number)	0.9651
Precipitation seasonality (coef. of var.)	0.6657
Phenology; NDVI mean	0.4777
Cation Exchange Capacity of the soil	0.4077
Soil organic carbon content (‰)	0.3874
Weight in % of silt particles (0.0002-0.05 mm)	0.2564
Weight in % of clay particles (<0.0002 mm)	0.1953
Phenology; Peak of season (day number)	0.1518

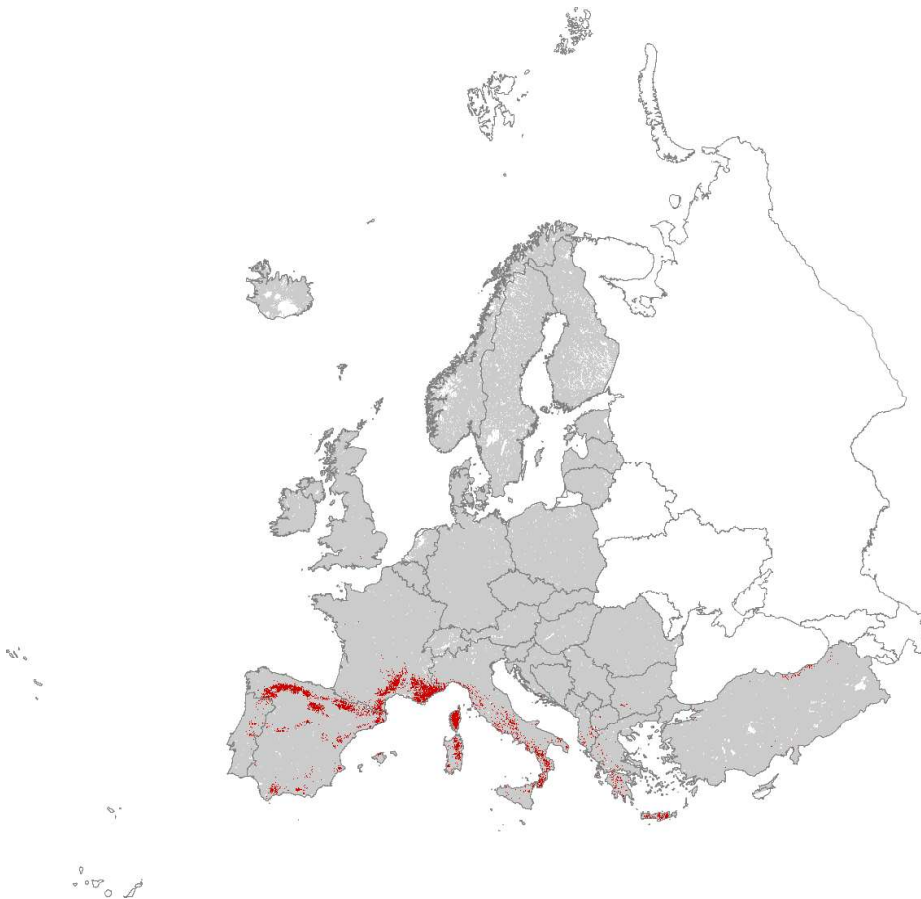
**U34 Mediterranean siliceous inland cliff - distribution**



**U34 Mediterranean siliceous inland cliff - suitability**



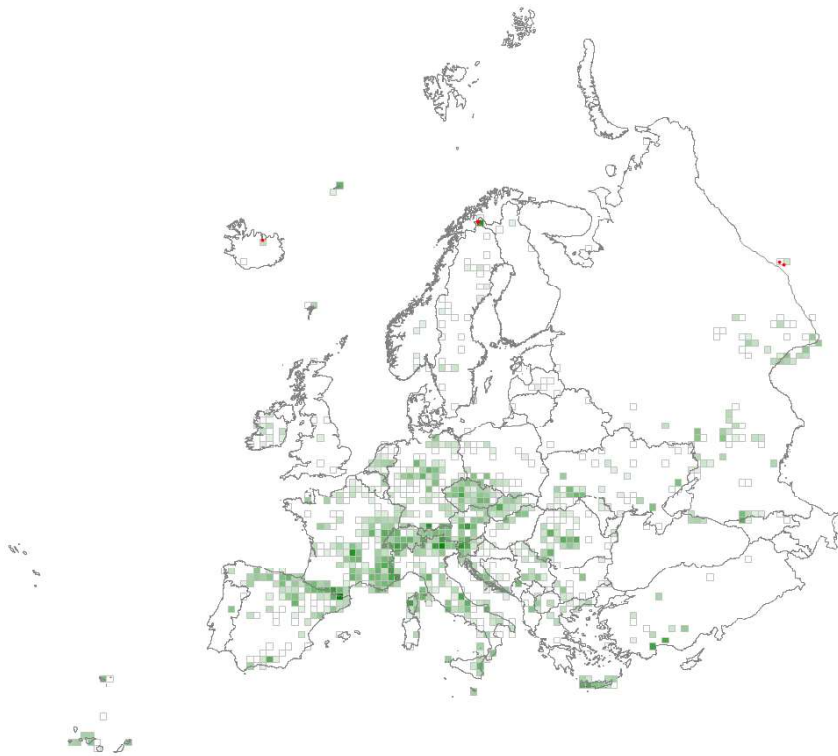
### U34 Mediterranean siliceous inland cliff - binary map



#### Statistics from Maxent modelling

<b>AUC training (0-1)</b>	0.9871
<b>AUC test (0-1)</b>	0.9807
<b>10 percentile training presence threshold (0-1)</b>	0.2849
<b>Contribution variables to the Maxent model (%)</b>	
Temperature seasonality (stdev * 100)	28.1001
Volume % of coarse fragments (> 2 mm)	16.4093
Precipitation of warmest quarter	14.2111
Digital Elevation Map (DEM)	9.1477
Soil organic carbon content (‰)	5.8076
Phenology; End of Season (day number)	4.1551
Annual precipitation	3.9267
Land Use Land cover (LULC 2012)	3.1597
Weight in % of silt particles (0.0002-0.05 mm)	2.5862
Population density 2018	1.526
Solar radiation	1.3987
Mean temperature of wettest quarter	1.2358
Potential Evapotranspiration	1.1486
Precipitation seasonality (coef. of var.)	1.1197
Phenology; Length of season (days)	1.0607
Cation Exchange Capacity of the soil	0.9702
Phenology; Start of Season (day number)	0.9512
Weight in % of clay particles (<0.0002 mm)	0.6765
Soil pH (water)	0.5561
Phenology; Peak of season (day number)	0.4794
Phenology; Low of season (day number)	0.2691
Weight in % of sand particles (0.05-2 mm)	0.25
Bulk density (kg/m <sup>3</sup> )	0.2327
Phenology; NDVI mean	0.2232

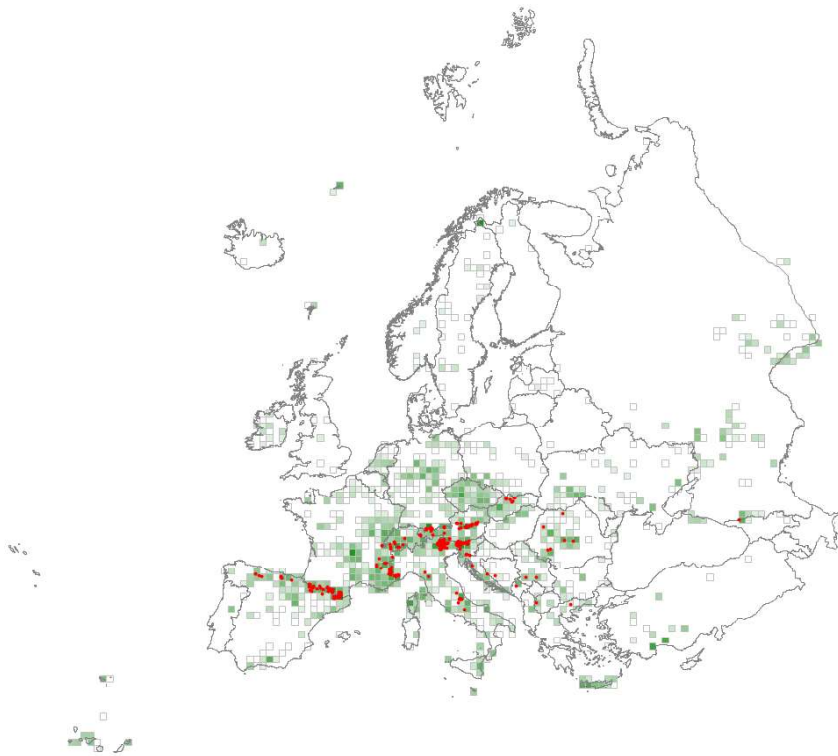
### U35 Boreal and arctic base-rich inland cliff - distribution



Not enough data to run a Maxent model or the habitat type only occurs outside the study area.



**U36 Temperate high-mountain base-rich inland cliff - distribution**



**U36 Temperate high-mountain base-rich inland cliff - suitability**



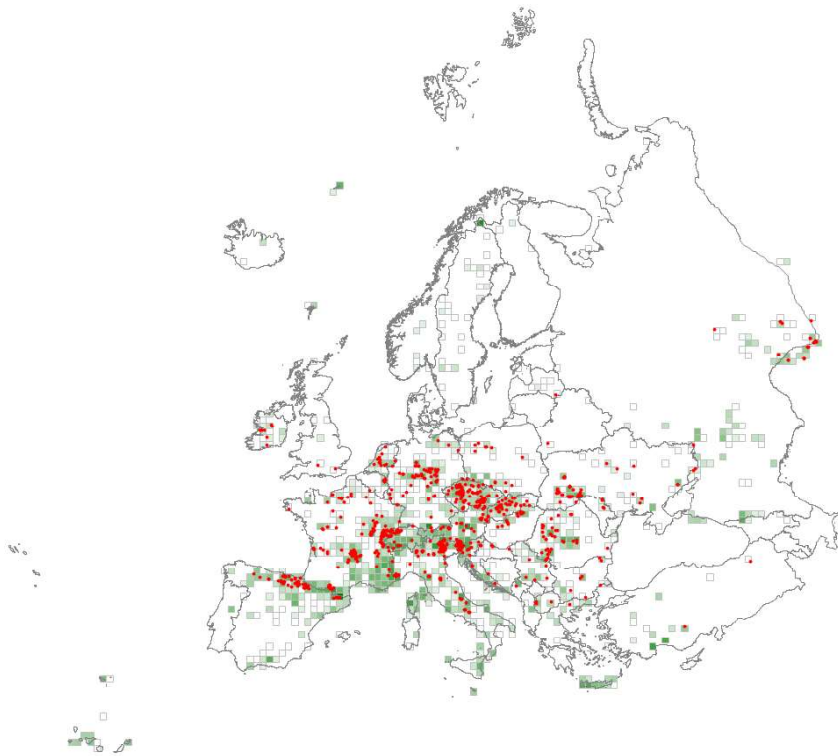
**U36 Temperate high-mountain base-rich inland cliff - binary map**



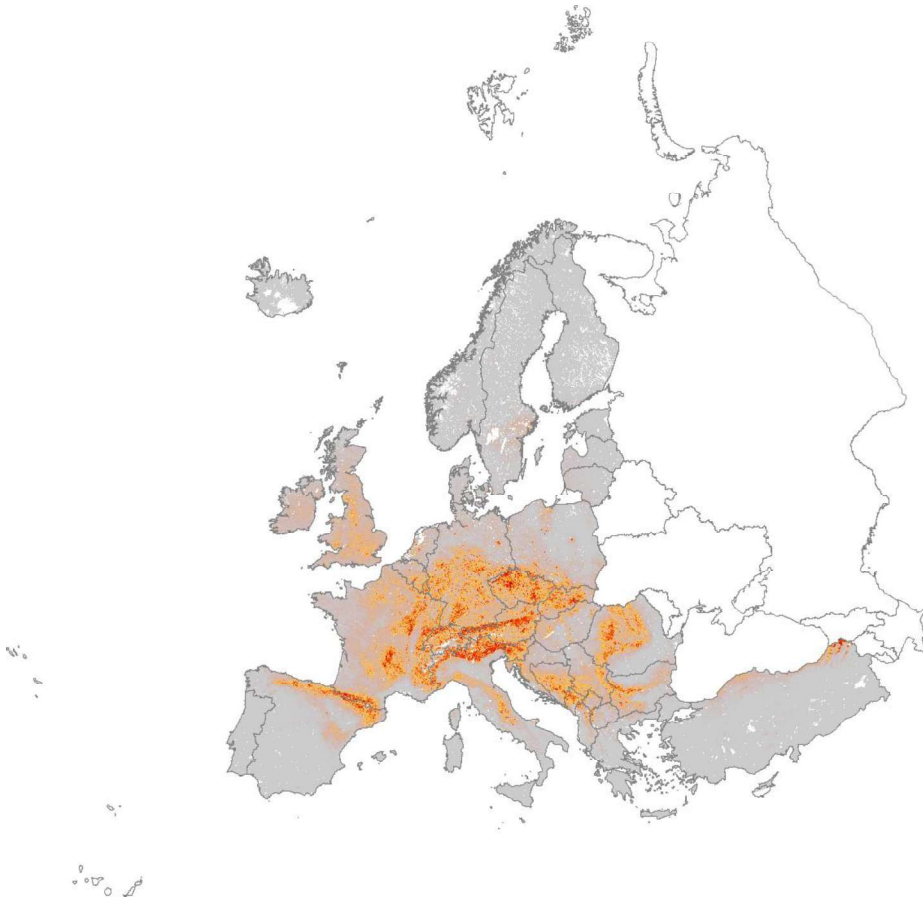
**Statistics from Maxent modelling**

<b>AUC training (0-1)</b>	0.9796
<b>AUC test (0-1)</b>	0.9647
<b>10 percentile training presence threshold (0-1)</b>	0.3356
<b>Contribution variables to the Maxent model (%)</b>	
Digital Elevation Map (DEM)	58.8185
Precipitation of warmest quarter	21.4442
Annual precipitation	6.0345
Weight in % of clay particles (<0.0002 mm)	2.3988
Potential Evapotranspiration	1.947
Phenology; End of Season (day number)	1.5467
Soil pH (water)	1.4418
Land Use Land cover (LULC 2012)	1.2975
Soil organic carbon content (‰)	0.9247
Weight in % of silt particles (0.0002-0.05 mm)	0.9235
Volume % of coarse fragments (> 2 mm)	0.5828
Bulk density (kg/m <sup>3</sup> )	0.5635
Precipitation seasonality (coef. of var.)	0.5379
Cation Exchange Capacity of the soil	0.4365
Vegetation height (m)	0.3325
Phenology; NDVI mean	0.1874
Temperature seasonality (stdev * 100)	0.1073

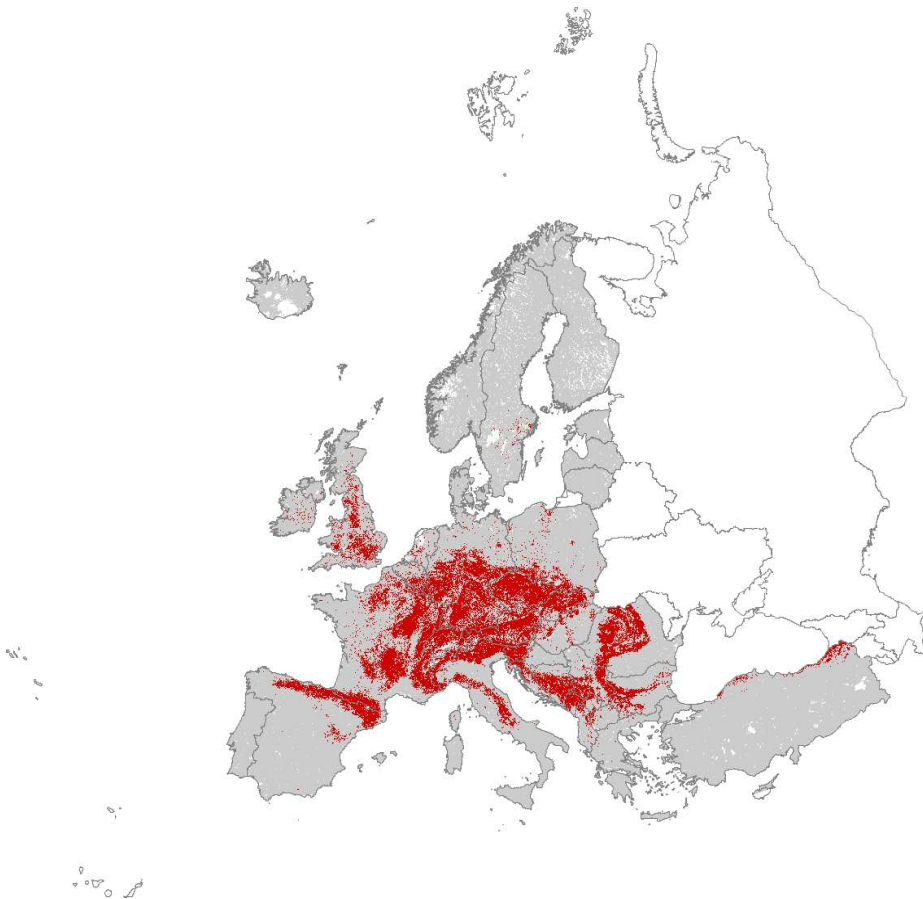
**U37 Temperate, lowland to montane base-rich inland cliff - distribution**



**U37 Temperate, lowland to montane base-rich inland cliff - suitability**



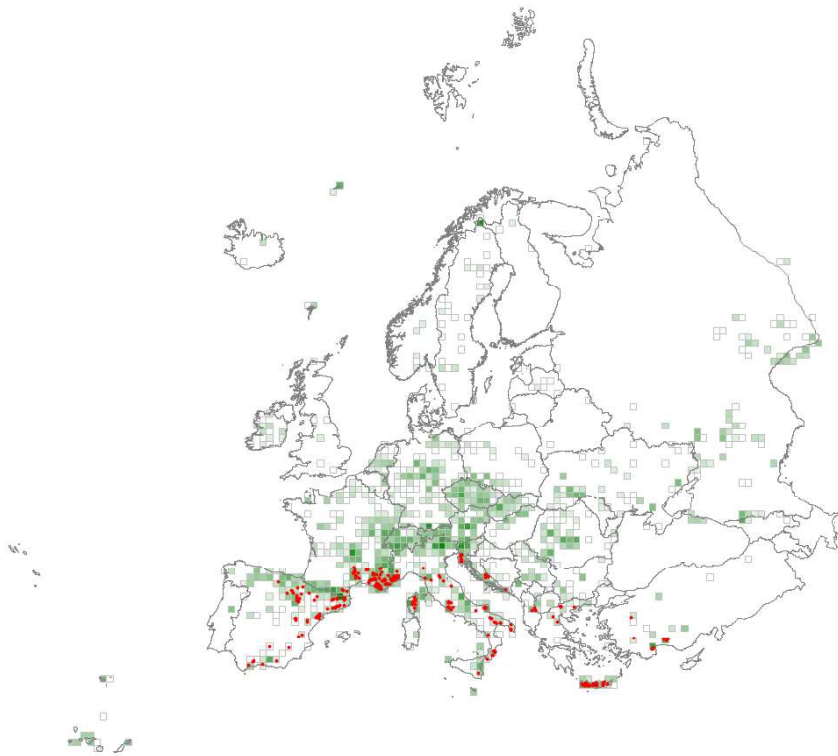
**U37 Temperate, lowland to montane base-rich inland cliff - binary map**



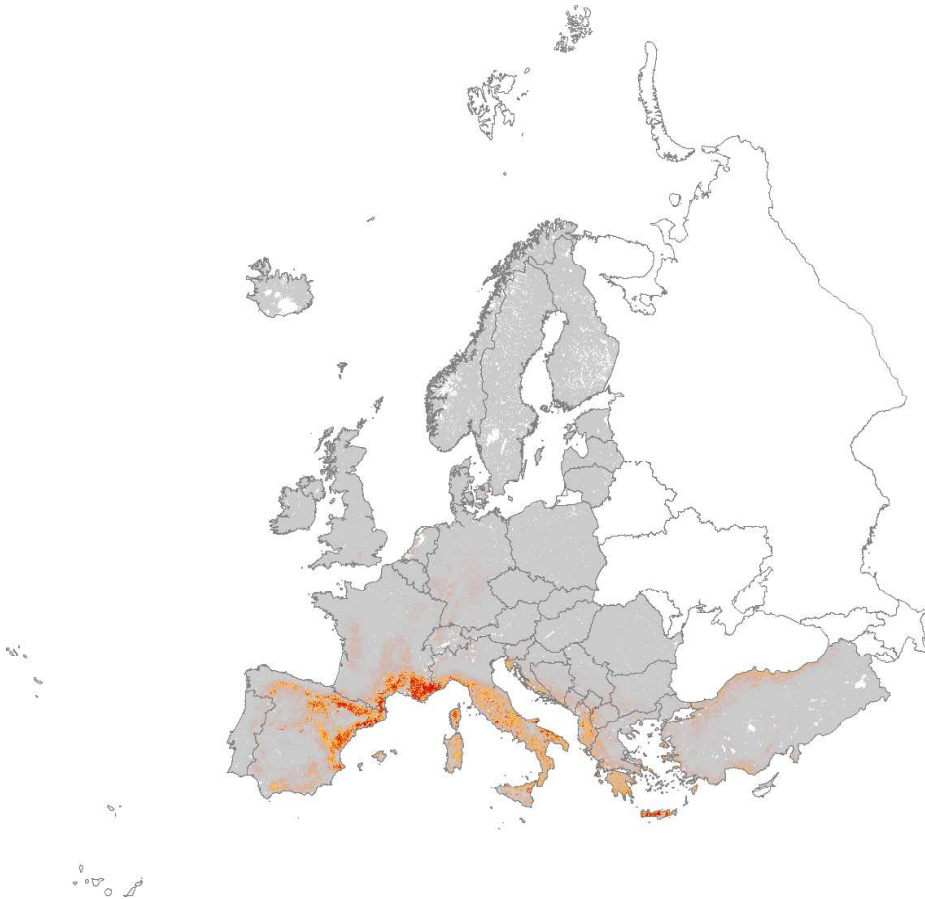
**Statistics from Maxent modelling**

<b>AUC training (0-1)</b>	0.9093
<b>AUC test (0-1)</b>	0.9015
<b>10 percentile training presence threshold (0-1)</b>	0.2866
<b>Contribution variables to the Maxent model (%)</b>	
Precipitation of warmest quarter	32.0251
Weight in % of clay particles (<0.0002 mm)	17.3501
Temperature seasonality (stdev * 100)	9.2351
Digital Elevation Map (DEM)	8.5769
Potential Evapotranspiration	4.9722
Annual precipitation	4.2092
Volume % of coarse fragments (> 2 mm)	4.1417
Land Use Land cover (LULC 2012)	3.5983
Phenology; End of Season (day number)	2.7989
Phenology; Length of season (days)	2.5086
Soil pH (water)	2.0653
Population density 2018	1.86
Phenology; NDVI mean	1.4569
Weight in % of silt particles (0.0002-0.05 mm)	1.2418
Phenology; Low of season (day number)	0.6156
Phenology; Peak of season (day number)	0.5401
Vegetation height (m)	0.456
Solar radiation	0.4121
Mean temperature of wettest quarter	0.4113
Soil organic carbon content (‰)	0.3715
Inundation; occurrence	0.3451
Bulk density (kg/m <sup>3</sup> )	0.2614
Precipitation seasonality (coef. of var.)	0.2179
Distance to water (rivers, lakes, sea)	0.1572

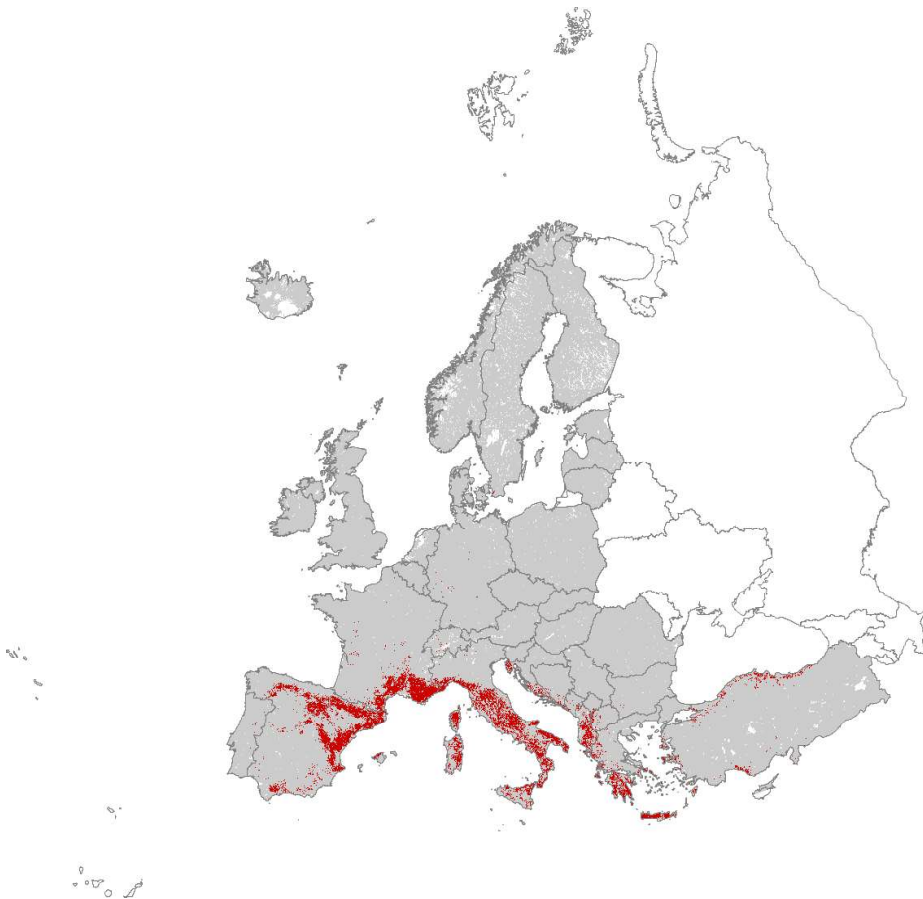
**U38 Mediterranean base-rich inland cliff - distribution**



**U38 Mediterranean base-rich inland cliff - suitability**



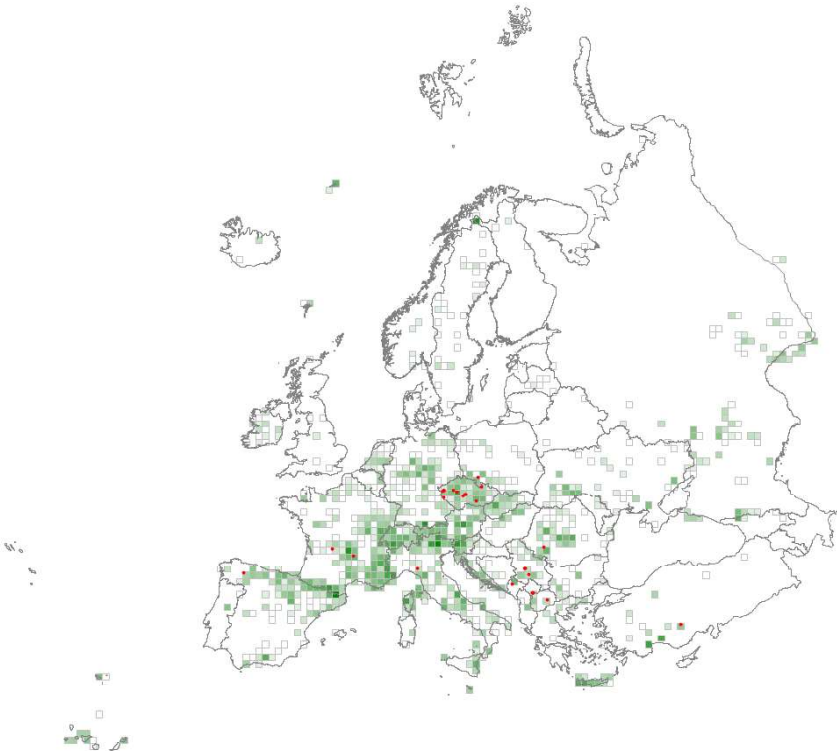
## U38 Mediterranean base-rich inland cliff - binary map



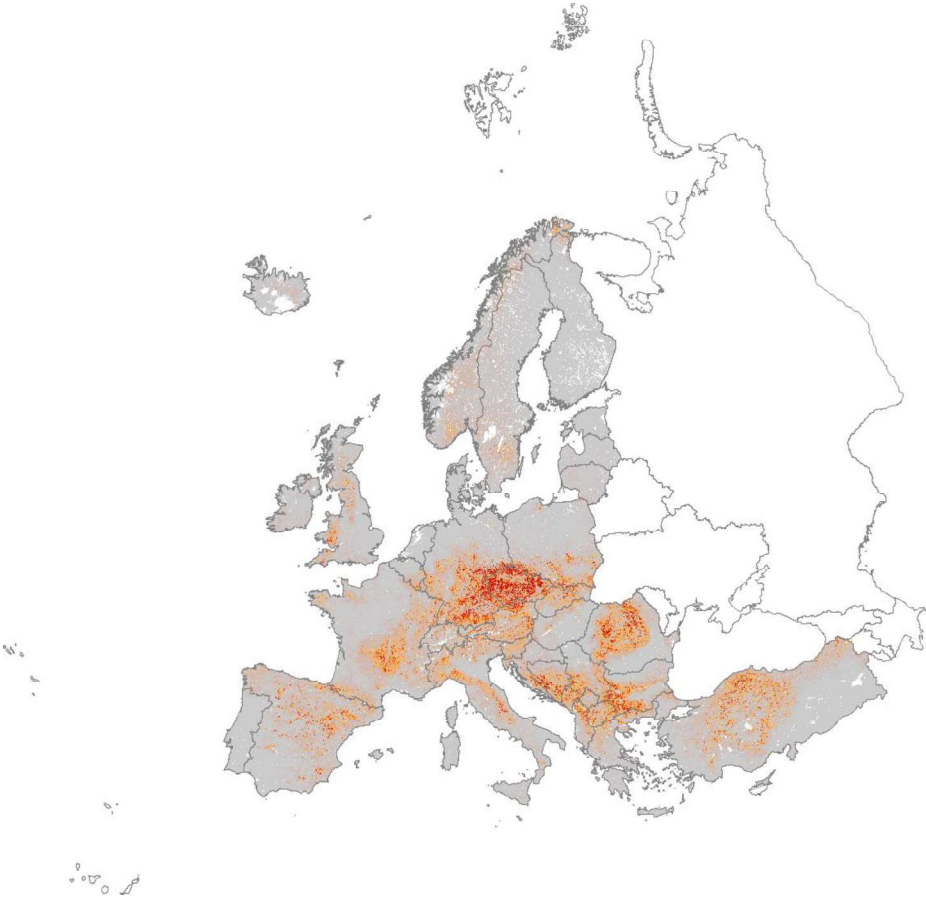
### Statistics from Maxent modelling

<b>AUC training (0-1)</b>	0.9671
<b>AUC test (0-1)</b>	0.9481
<b>10 percentile training presence threshold (0-1)</b>	0.2666
<b>Contribution variables to the Maxent model (%)</b>	
Temperature seasonality (stdev * 100)	27.2143
Soil pH (water)	18.1474
Land Use Land cover (LULC 2012)	12.6248
Volume % of coarse fragments (> 2 mm)	8.7782
Potential Evapotranspiration	5.6922
Precipitation seasonality (coef. of var.)	4.0056
Precipitation of warmest quarter	3.8005
Annual precipitation	2.3901
Digital Elevation Map (DEM)	2.1149
Weight in % of clay particles (<0.0002 mm)	1.965
Phenology; Start of Season (day number)	1.748
Phenology; Length of season (days)	1.7068
Population density 2018	1.5618
Solar radiation	1.4835
Phenology; Peak of season (day number)	1.469
Cation Exchange Capacity of the soil	1.3181
Weight in % of silt particles (0.0002-0.05 mm)	1.072
Phenology; NDVI seasonality	0.9391
Phenology; End of Season (day number)	0.5109
Mean temperature of wettest quarter	0.3535
Distance to water (rivers, lakes, sea)	0.3487
Phenology; NDVI mean	0.3174
Weight in % of sand particles (0.05-2 mm)	0.1644

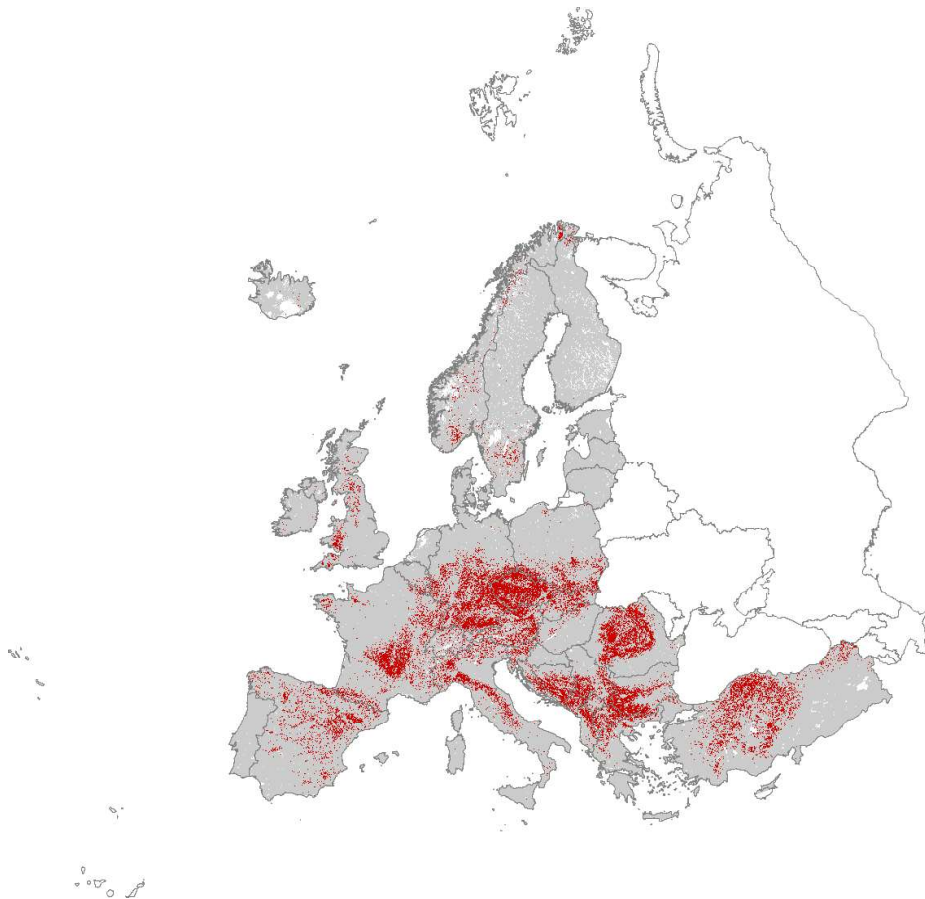
**U3A Temperate ultramafic inland cliff - distribution**



**U3A Temperate ultramafic inland cliff - suitability**



**U3A Temperate ultramafic inland cliff - binary map**

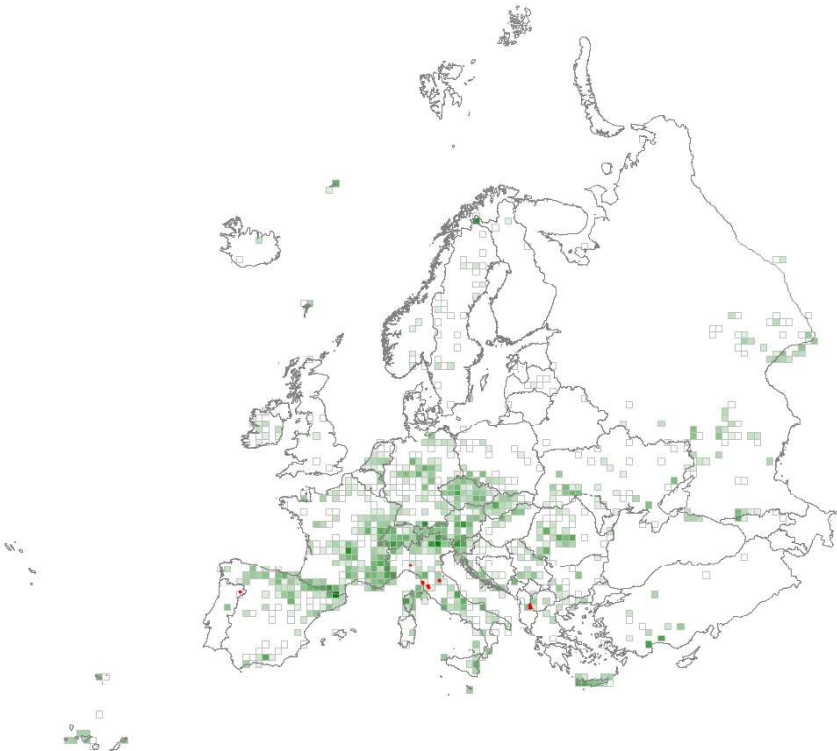


**Statistics from Maxent modelling**

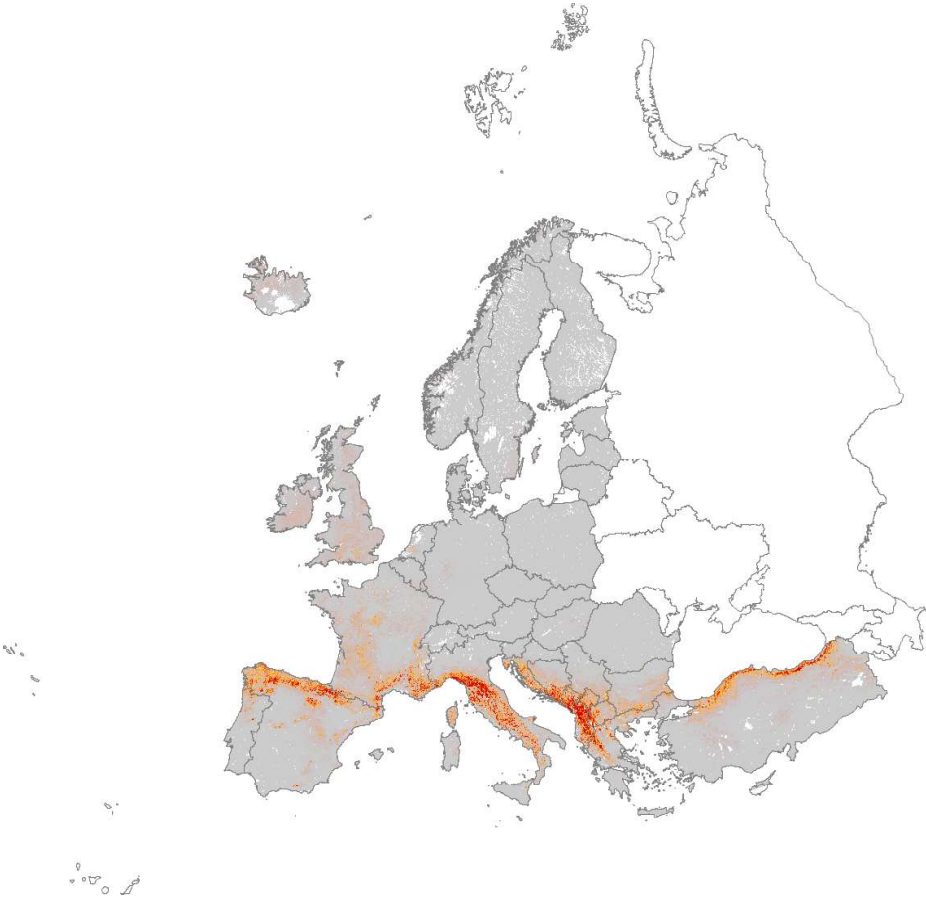
<b>AUC training (0-1)</b>	0.9736
<b>AUC test (0-1)</b>	0.6554
<b>10 percentile training presence threshold (0-1)</b>	0.367
<b>Contribution variables to the Maxent model (%)</b>	
Land Use Land cover (LULC 2012)	26.5536
Digital Elevation Map (DEM)	11.7073
Bulk density (kg/m <sup>3</sup> )	10.0381
Precipitation of warmest quarter	9.9167
Distance to water (rivers, lakes, sea)	9.4017
Volume % of coarse fragments (> 2 mm)	8.4022
Temperature seasonality (stdev * 100)	7.4295
Phenology; Start of Season (day number)	5.8967
Annual precipitation	2.5687
Weight in % of clay particles (<0.0002 mm)	2.3523
Phenology; End of Season (day number)	1.0879
Population density 2018	1.0686
Cation Exchange Capacity of the soil	0.9005
Phenology; Low of season (day number)	0.8929
Precipitation seasonality (coef. of var.)	0.514
Weight in % of silt particles (0.0002-0.05 mm)	0.4734
Phenology; Length of season (days)	0.373
Inundation; occurrence	0.1838



**U3B Mediterranean ultramafic inland cliff - distribution**



**U3B Mediterranean ultramafic inland cliff - suitability**



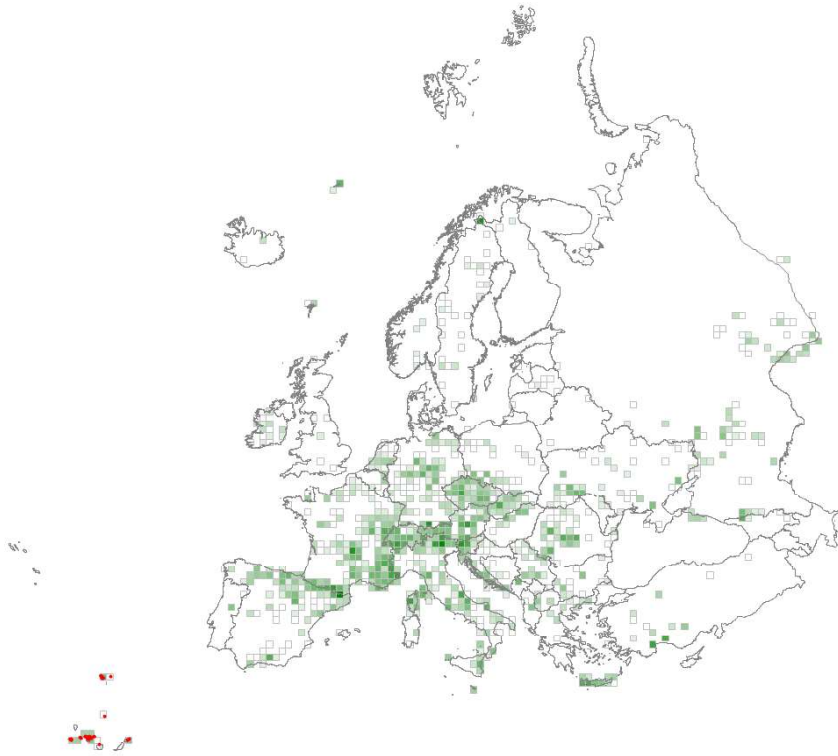
### U3B Mediterranean ultramafic inland cliff - binary map



#### Statistics from Maxent modelling

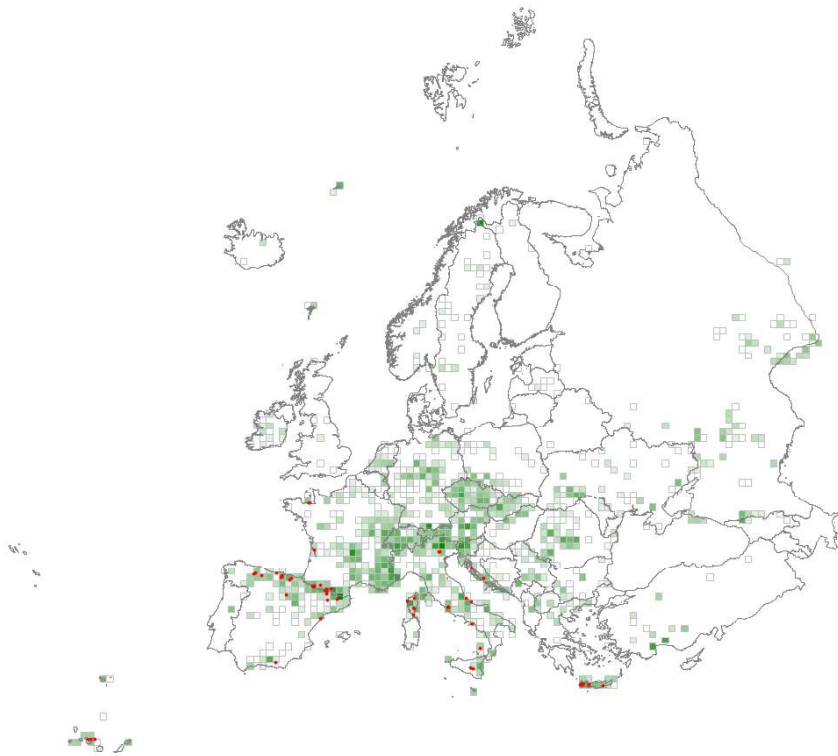
<b>AUC training (0-1)</b>	0.9822
<b>AUC test (0-1)</b>	0.9498
<b>10 percentile training presence threshold (0-1)</b>	0.6442
<b>Contribution variables to the Maxent model (%)</b>	
Land Use Land cover (LULC 2012)	25.6927
Mean temperature of wettest quarter	20.1662
Precipitation of warmest quarter	12.5842
Vegetation height (m)	10.445
Phenology; Length of season (days)	7.5367
Precipitation seasonality (coef. of var.)	6.582
Annual precipitation	6.2982
Temperature seasonality (stdev * 100)	3.3702
Weight in % of clay particles (<0.0002 mm)	2.9202
Phenology; NDVI seasonality	1.8178
Digital Elevation Map (DEM)	0.7964
Phenology; Peak of season (day number)	0.7304
Weight in % of silt particles (0.0002-0.05 mm)	0.342
Soil organic carbon content (‰)	0.2957
Weight in % of sand particles (0.05-2 mm)	0.2836

### U3C Macaronesian inland cliff - distribution

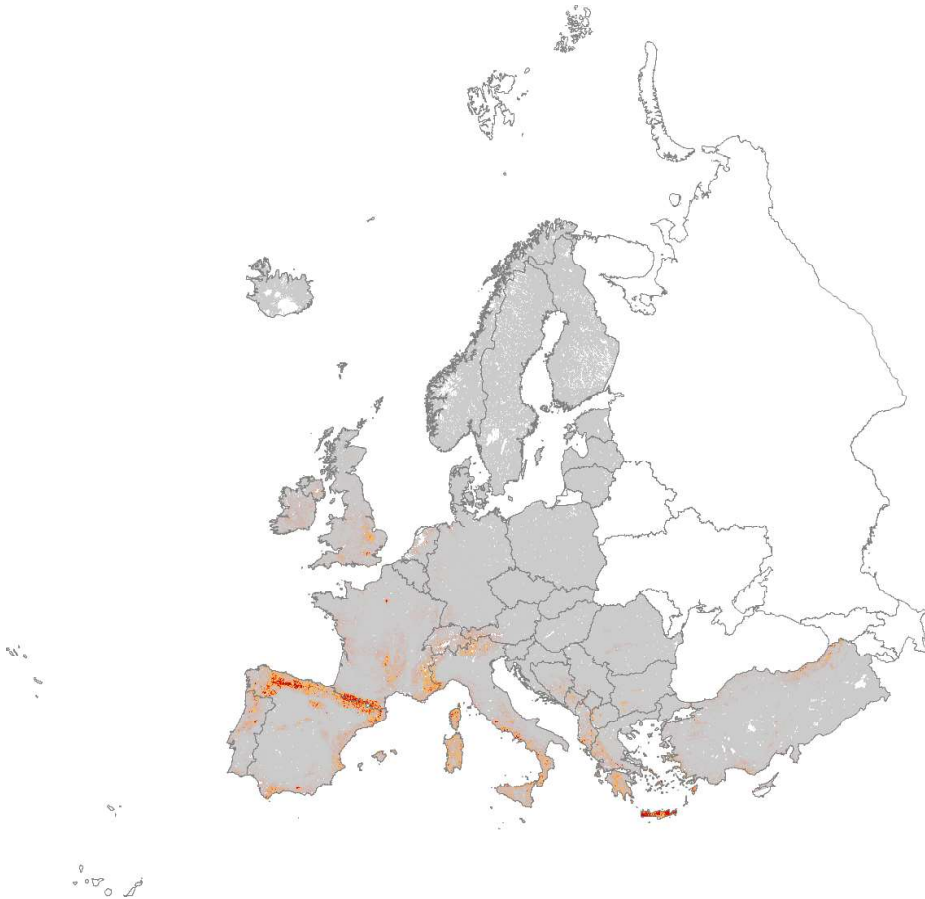


Not enough data to run a Maxent model or the habitat type only occurs outside the study area.

**U3D Wet inland cliff - distribution**



**U3D Wet inland cliff - suitability**



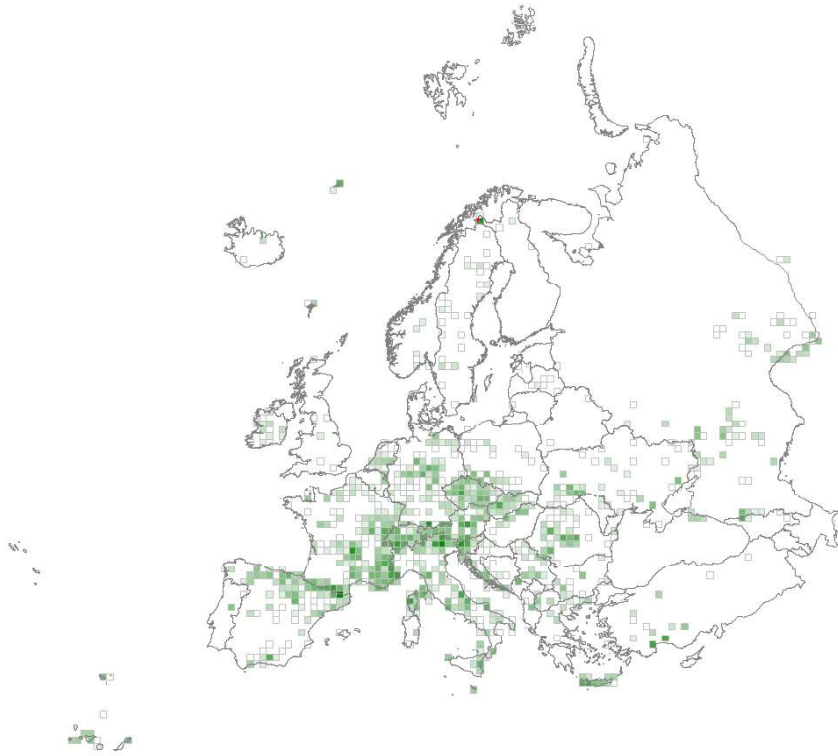
## U3D Wet inland cliff - binary map



### Statistics from Maxent modelling

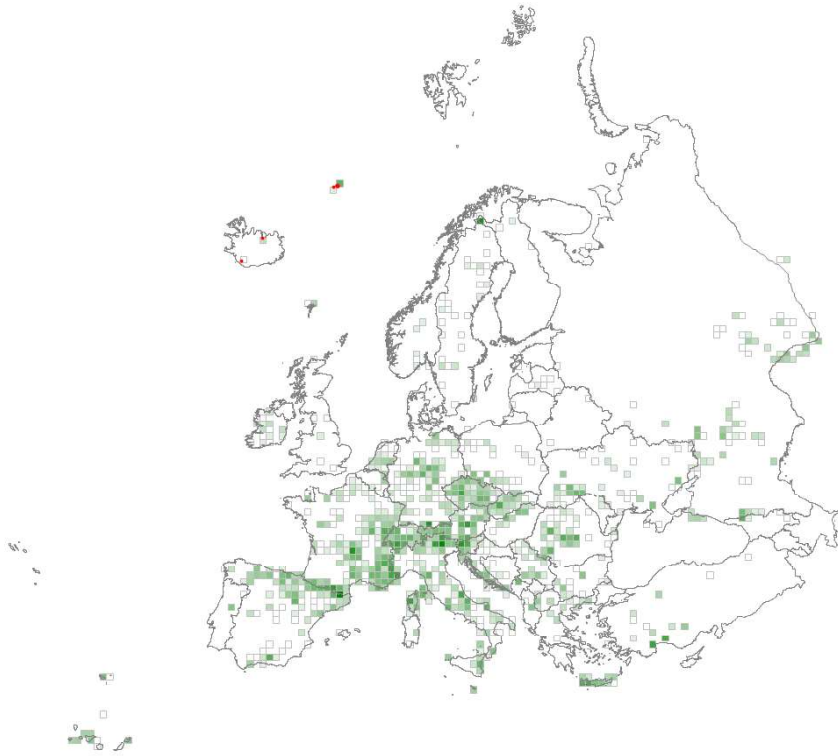
<b>AUC training (0-1)</b>	0.9873
<b>AUC test (0-1)</b>	0.8841
<b>10 percentile training presence threshold (0-1)</b>	0.3193
<b>Contribution variables to the Maxent model (%)</b>	
Temperature seasonality (stdev * 100)	30.1825
Land Use Land cover (LULC 2012)	11.1802
Population density 2018	10.9795
Digital Elevation Map (DEM)	7.8422
Phenology; NDVI seasonality	7.7621
Potential Evapotranspiration	4.4318
Weight in % of clay particles (<0.0002 mm)	4.1457
Cation Exchange Capacity of the soil	4.0781
Annual precipitation	3.8793
Phenology; Low of season (day number)	2.8439
Precipitation of warmest quarter	2.7079
Mean temperature of wettest quarter	2.3582
Soil organic carbon content (‰)	1.4746
Phenology; Peak of season (day number)	1.3372
Distance to water (rivers, lakes, sea)	1.2605
Solar radiation	0.8519
Precipitation seasonality (coef. of var.)	0.85
Volume % of coarse fragments (> 2 mm)	0.5718
Phenology; NDVI mean	0.3348
Phenology; Length of season (days)	0.2532
Weight in % of sand particles (0.05-2 mm)	0.1937
Phenology; Start of Season (day number)	0.1926
Phenology; End of Season (day number)	0.1033

## U52 Polar desert - distribution



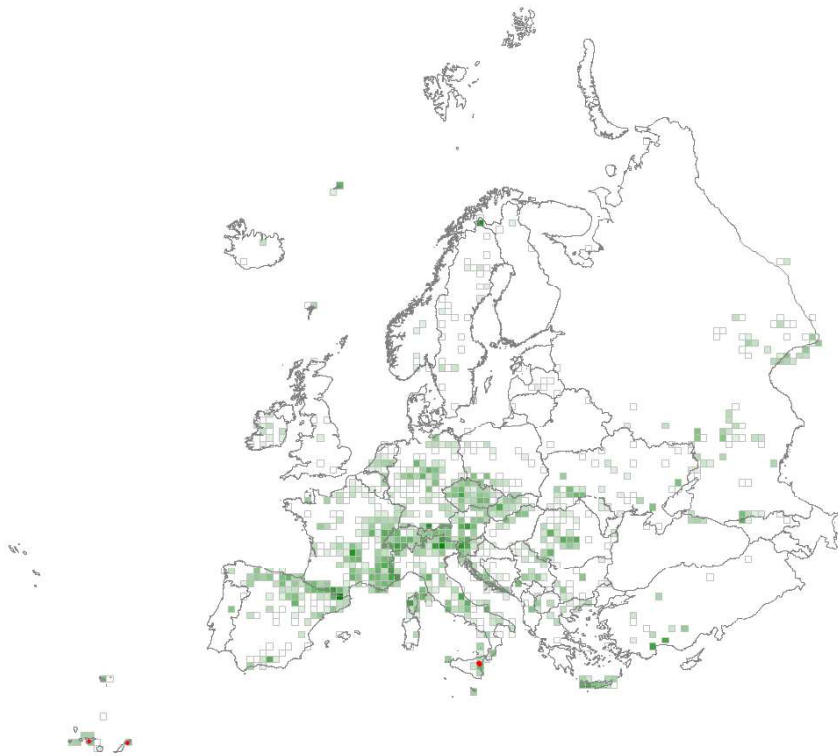
Not enough data to run a Maxent model or the habitat type only occurs outside the study area.

## U61 Subarctic volcanic field - distribution



Not enough data to run a Maxent model or the habitat type only occurs outside the study area.

**U62 Mediterranean, Macaronesian and temperate volcanic field - distribution**



**U62 Mediterranean, Macaronesian and temperate volcanic field - suitability**





**U62 Mediterranean, Macaronesian and temperate volcanic field - binary map**



**Statistics from Maxent modelling**

<b>AUC training (0-1)</b>	0.9991
<b>AUC test (0-1)</b>	0.9987
<b>10 percentile training presence threshold (0-1)</b>	0.6181
<b>Contribution variables to the Maxent model (%)</b>	
Land Use Land cover (LULC 2012)	52.0893
Digital Elevation Map (DEM)	16.236
Phenology; NDVI mean	10.1623
Volume % of coarse fragments (> 2 mm)	4.8772
Temperature seasonality (stdev * 100)	3.7275
Distance to water (rivers, lakes, sea)	3.6514
Precipitation seasonality (coef. of var.)	3.2088
Precipitation of warmest quarter	2.5426
Vegetation height (m)	1.0885
Soil organic carbon content (‰)	0.5954
Solar radiation	0.5384
Weight in % of clay particles (<0.0002 mm)	0.4413
Potential Evapotranspiration	0.2952
Cation Exchange Capacity of the soil	0.2173
Population density 2018	0.1444
Phenology; NDVI seasonality	0.1377