1 Annex I: The results: the EUNIS forest habitat probability maps
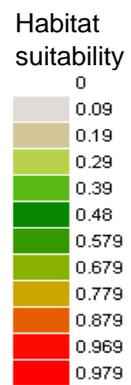
B1.7 - Coastal dune woodland* [Coastal dune woods]

Distribution based on vegetation relevés

Habitat suitability	
	0
	0.09
	0.19
	0.29
	0.39
	0.48
	0.579
	0.679
	0.779
	0.879
	0.969
	0.979

Maxent prediction model. Background data randomly selected from the study area

Statistics from Maxent modelling

AUC training (0-1)	0.987
AUC test (0-1)	0.9904
Contribution variables to the Maxent model (%)	
Temperature Seasonality (stdev * 100)	39.5222
Solar radiation	31.5583
Mean Temperature of Wettest Quarter	15.8472
Precipitation Seasonality (coef. of var.)	8.5057
Precipitation of Warmest Quarter	1.2786
Annual Precipitation	1.018
Potential Evapotranspiration	0.9996
Distance to water	0.947
Soil pH	0.3234
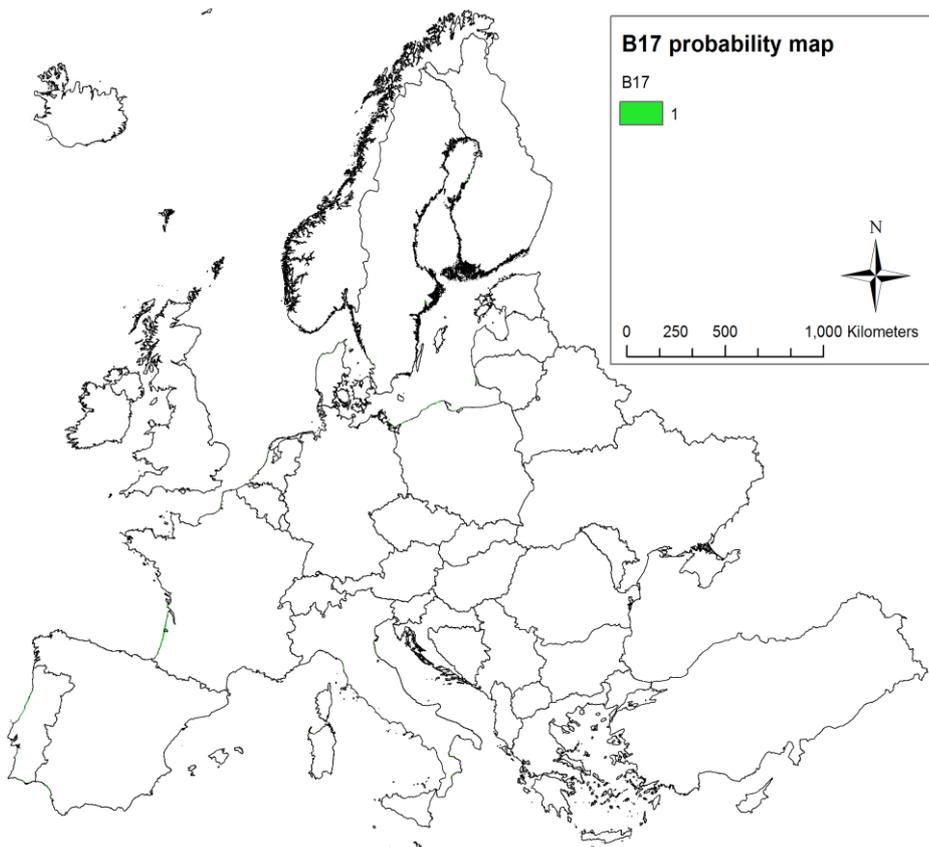
Distribution based on integration Maxent prediction and high resolution data
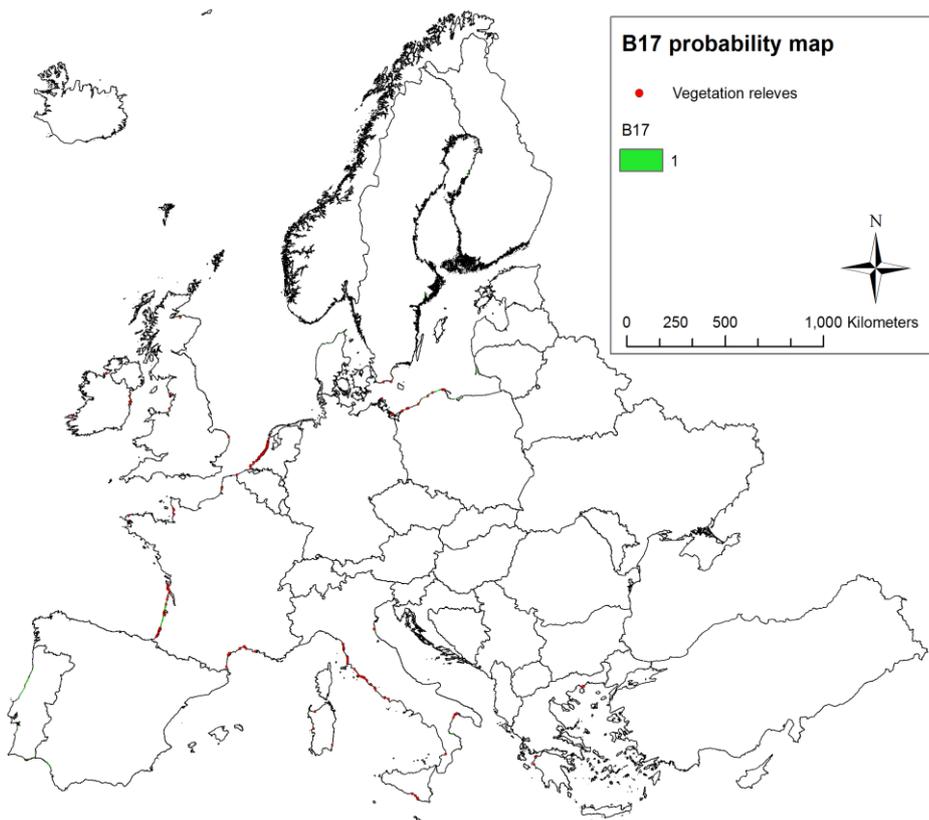
Distribution based on integration Maxent prediction and high resolution data + distribution of vegetation relevés
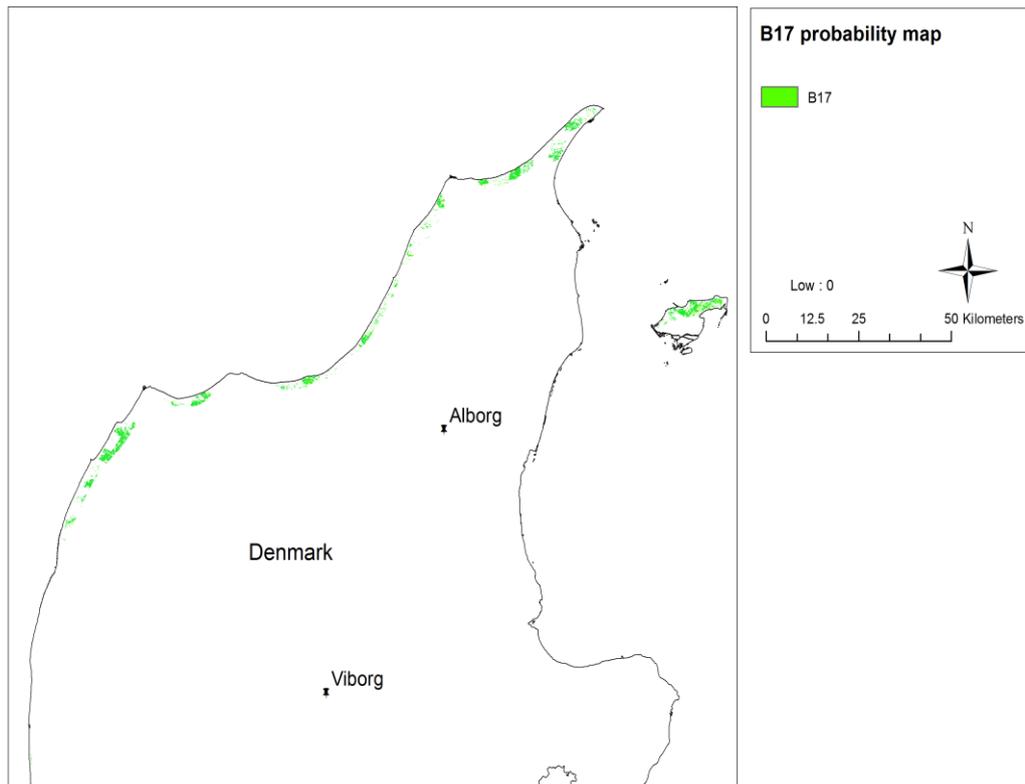
Regional detail of final probability map

Rules for modelling using high resolution data

Threshold 10‰ training presence	-
HRL Forest (fty)	-
Tree crown density (Tcd)	-
Distance to river (m)	-
PNV	Coastal dunes from PNV
TREEMAPS (species)	-
TREEMAPS (threshold)	-
Comment	1 km buffer zone included. All HRL forest

**G1.1 - Temperate and boreal softwood riparian woodland* [Riparian and gallery woodland, with dominant [Alnus], [Betula], [Populus] or [Salix]]**
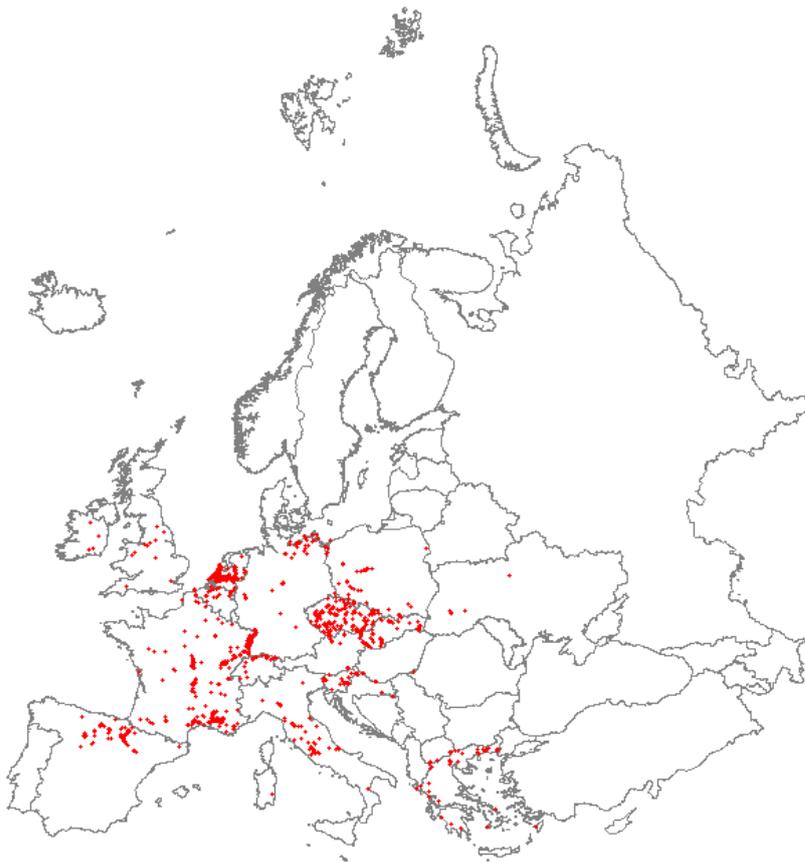
Distribution based on vegetation relevés
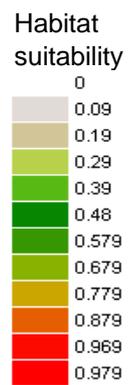
Maxent prediction model. Background data randomly selected from the complete forest data set

Statistics from Maxent modelling

AUC training (0-1)	0.8625
AUC test (0-1)	0.8529
Contribution variables to the Maxent model (%)	
Distance to water	40.9207
Solar radiation	26.2171
Annual Precipitation	11.4437
Soil pH	10.1855
Temperature Seasonality (stdev * 100)	4.7345
Precipitation of Warmest Quarter	2.8407
Potential Evapotranspiration	1.6611
Precipitation Seasonality (coef. of var.)	1.3648
Mean Temperature of Wettest Quarter	0.6319

Distribution based on integration Maxent prediction and high resolution data
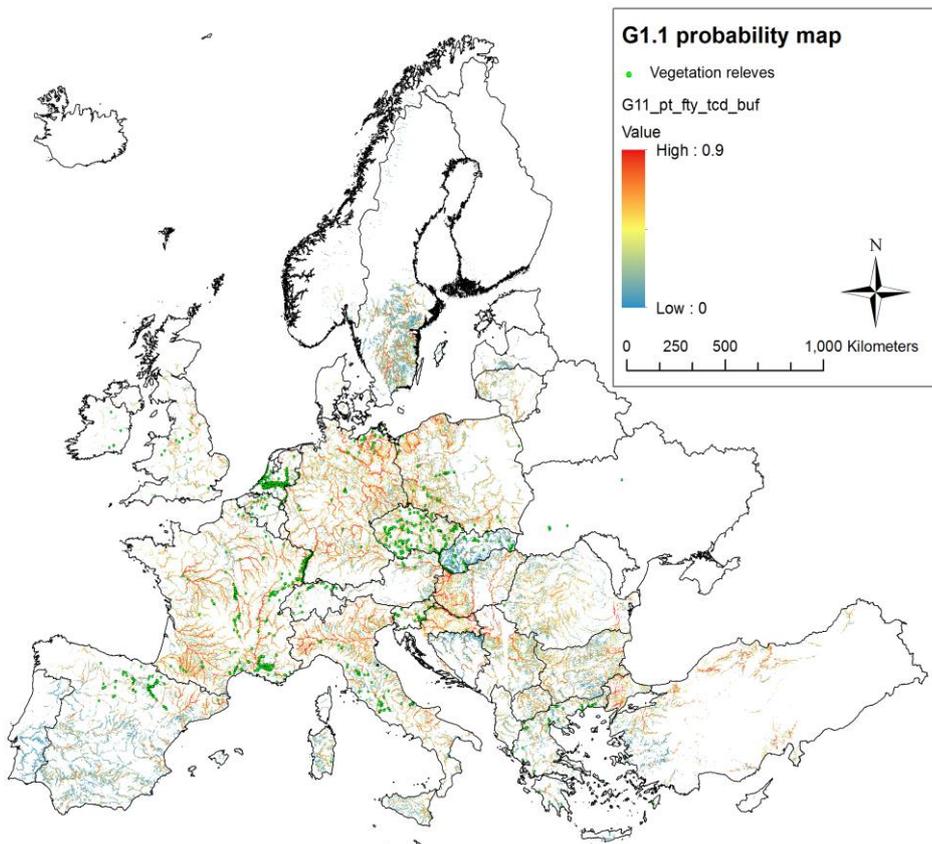
Distribution based on integration Maxent prediction and high resolution data + distribution of vegetation relevés
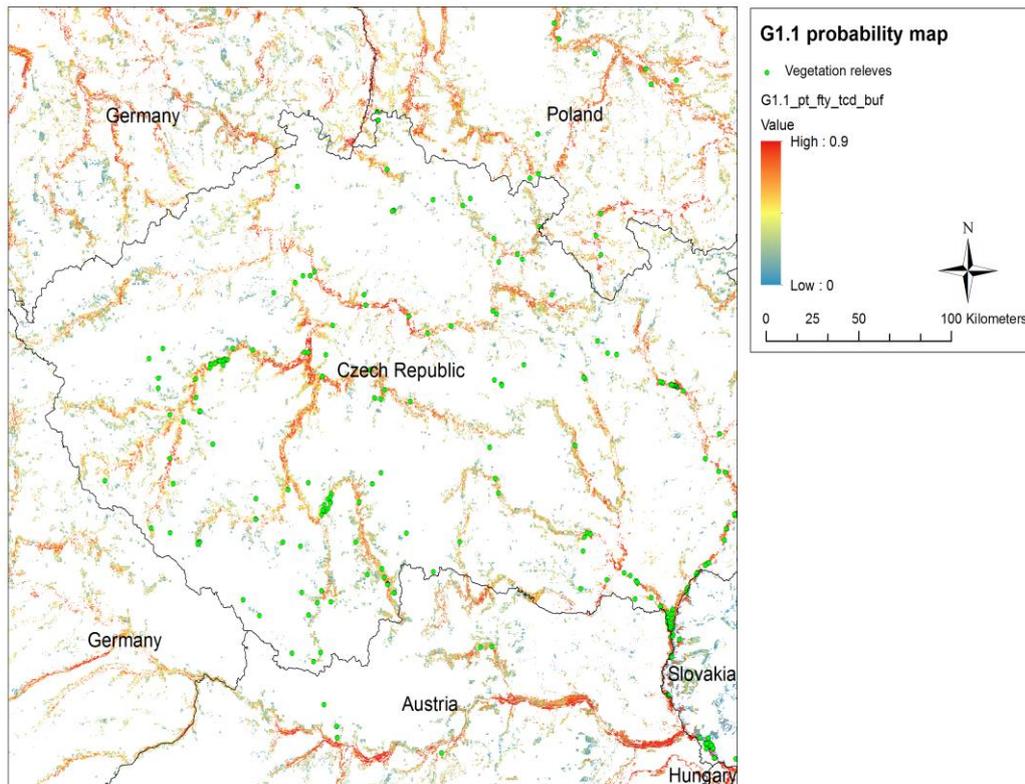
Regional detail of final probability map

Rules for modelling using high resolution data

Threshold 10‰ training presence	0.244
HRL Forest (fty)	1. broadleaved forest
Tree crown density (Tcd)	multiplied
Distance to river (m)	< 1500
PNV	-
TREEMAPS (species)	-
TREEMAPS (threshold)	-
Comment	73% of all in-situ data within 1500 meters

G1.2 - Temperate and boreal hardwood riparian woodland* [Mixed riparian floodplain and gallery woodland]
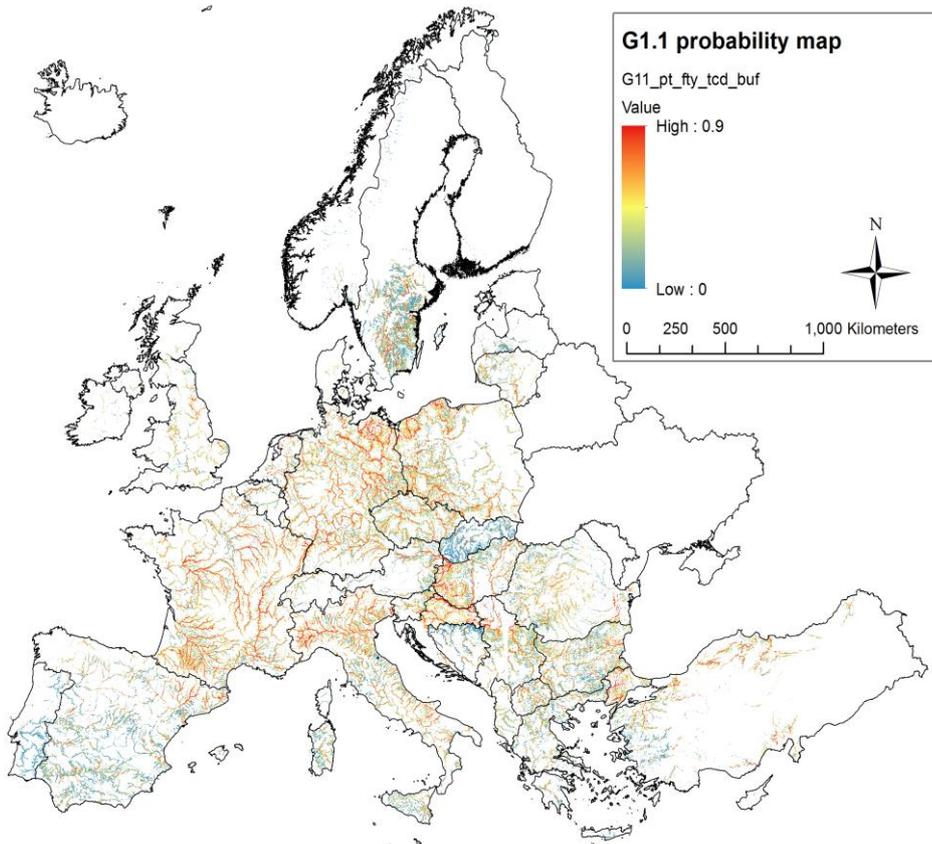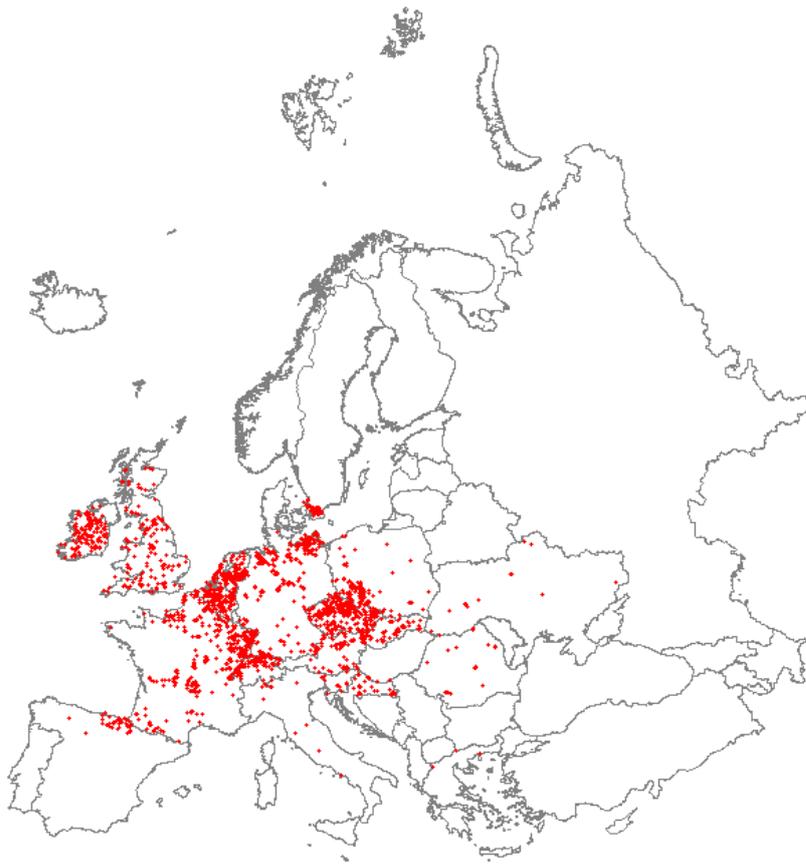

Distribution based on vegetation relevés
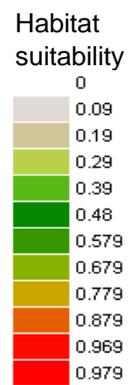
*Maxent prediction model. Background data randomly selected from the complete forest data set*

Statistics from Maxent modelling

AUC training (0-1)	0.7676
AUC test (0-1)	0.7524
Contribution variables to the Maxent model (%)	
Solar radiation	44.5248
Precipitation of Warmest Quarter	31.0573
Temperature Seasonality (stdev * 100)	5.8461
Mean Temperature of Wettest Quarter	5.4082
Potential Evapotranspiration	5.0005
Annual Precipitation	4.4875
Soil pH	1.7308
Precipitation Seasonality (coef. of var.)	1.0157
Distance to water	0.929

Distribution based on integration Maxent prediction and high resolution data
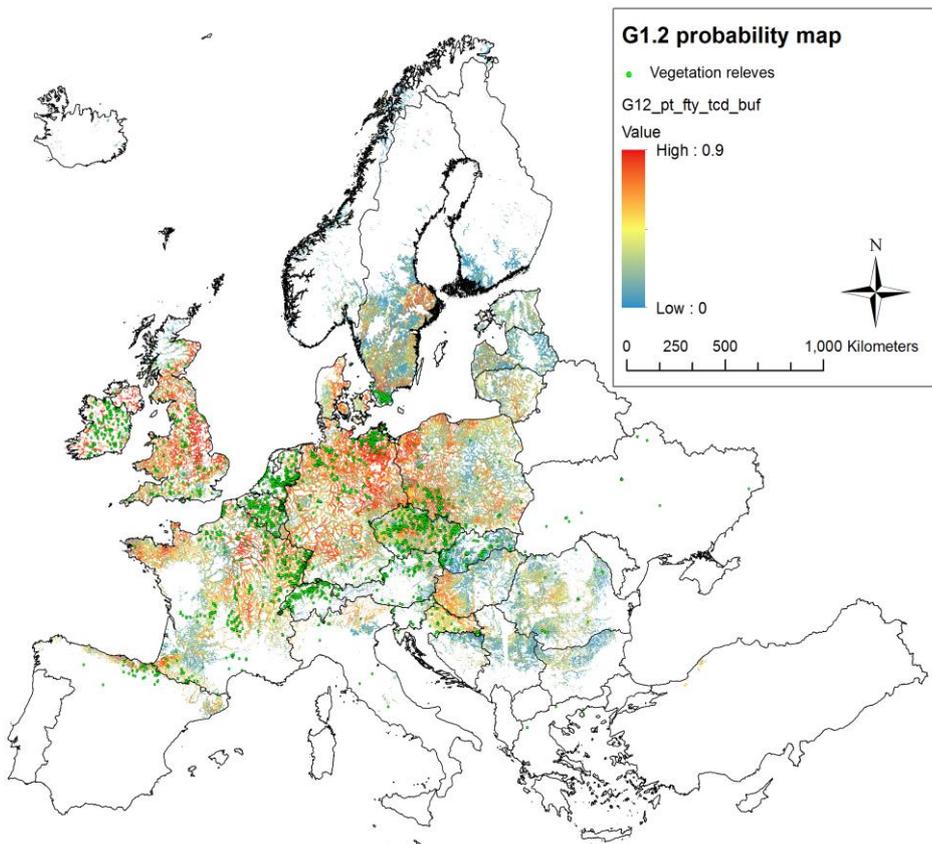
Distribution based on integration Maxent prediction and high resolution data + distribution of vegetation relevés
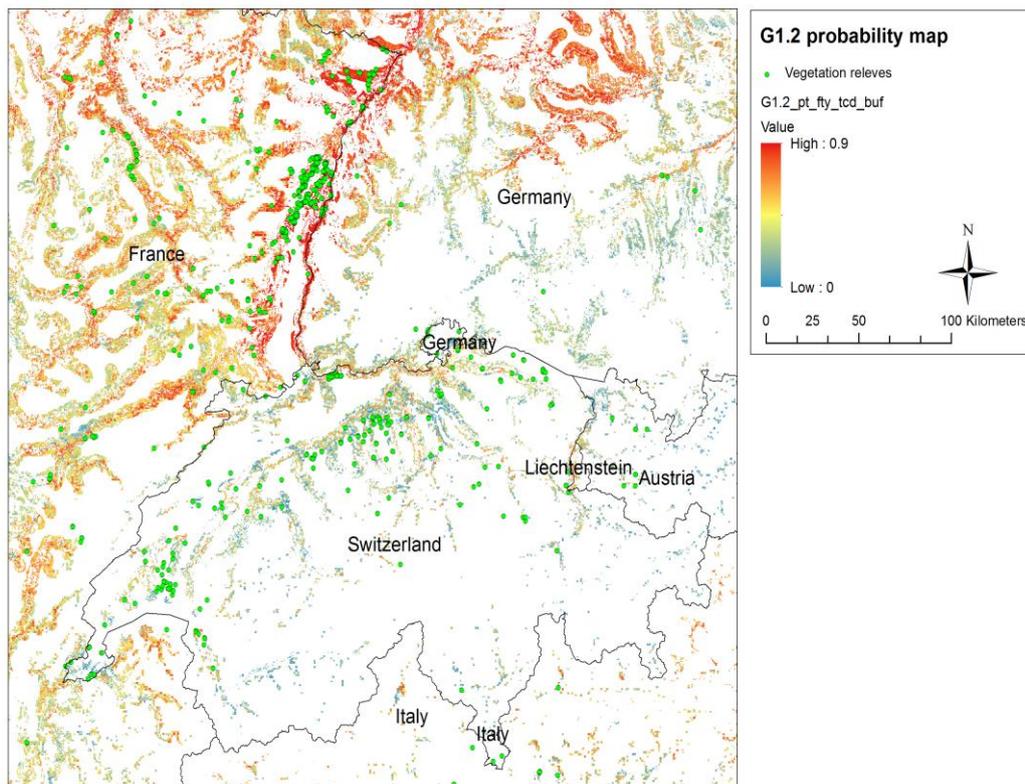
Regional detail of final probability map

Rules for modelling using high resolution data

Threshold 10‰ training presence	0.334
HRL Forest (fty)	1. broadleaved forest
Tree crown density (Tcd)	multiplied
Distance to river (m)	< 3000
PNV	-
TREEMAPS (species)	-
TREEMAPS (threshold)	-
Comment	75% of all in-situ data within 3000 meters

G1.3 - Mediterranean and Macaronesian riparian woodland* [Mediterranean riparian woodland]
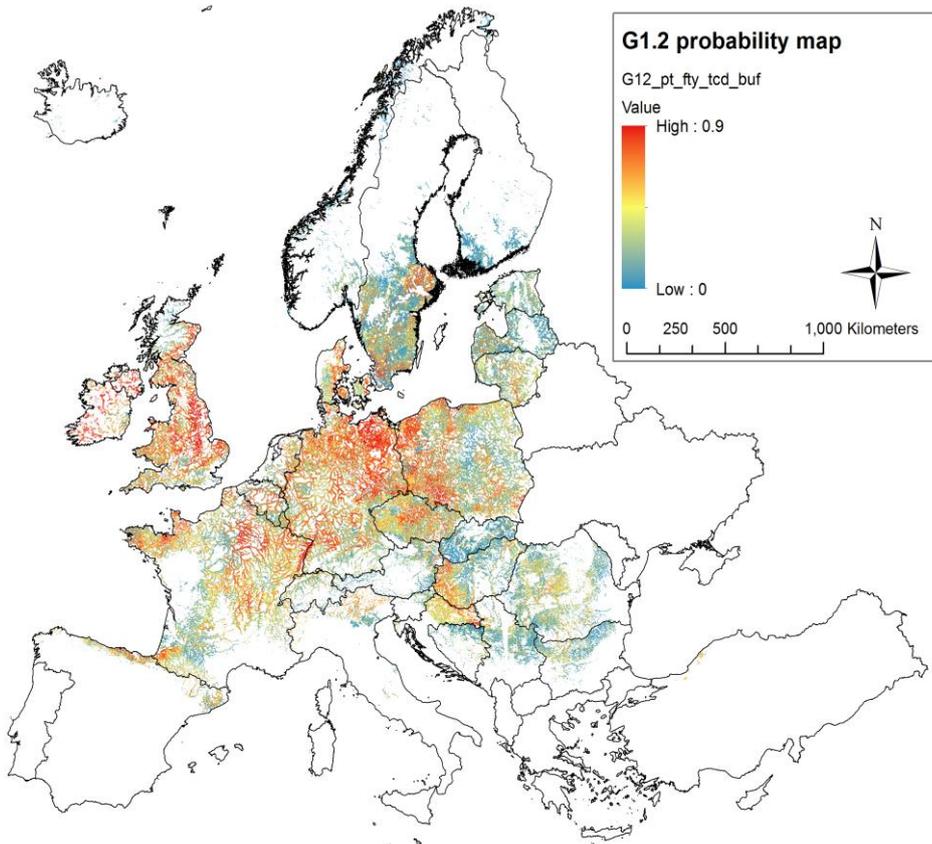

Distribution based on vegetation relevés
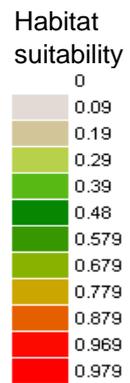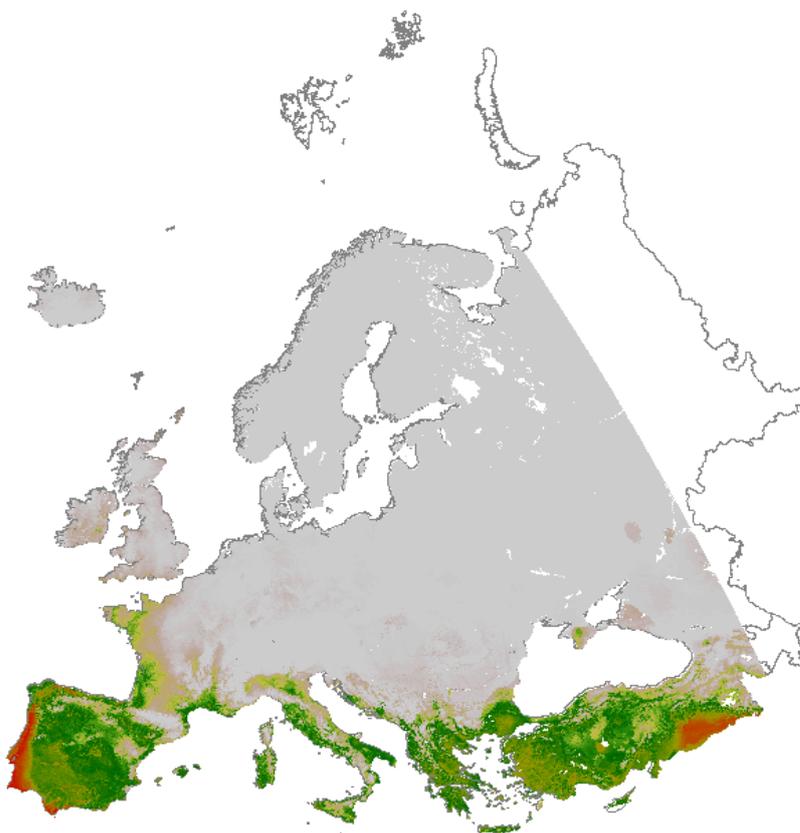
*Maxent prediction model. Background data randomly selected from the complete forest data set*

Statistics from Maxent modelling

AUC training (0-1)	0.9318
AUC test (0-1)	0.9149
Contribution variables to the Maxent model (%)	
Potential Evapotranspiration	53.4946
Precipitation of Warmest Quarter	28.0611
Temperature Seasonality (stdev * 100)	9.4465
Mean Temperature of Wettest Quarter	3.8968
Precipitation Seasonality (coef. of var.)	2.2413
Solar radiation	1.5617
Soil pH	0.4755
Distance to water	0.4626
Annual Precipitation	0.3599
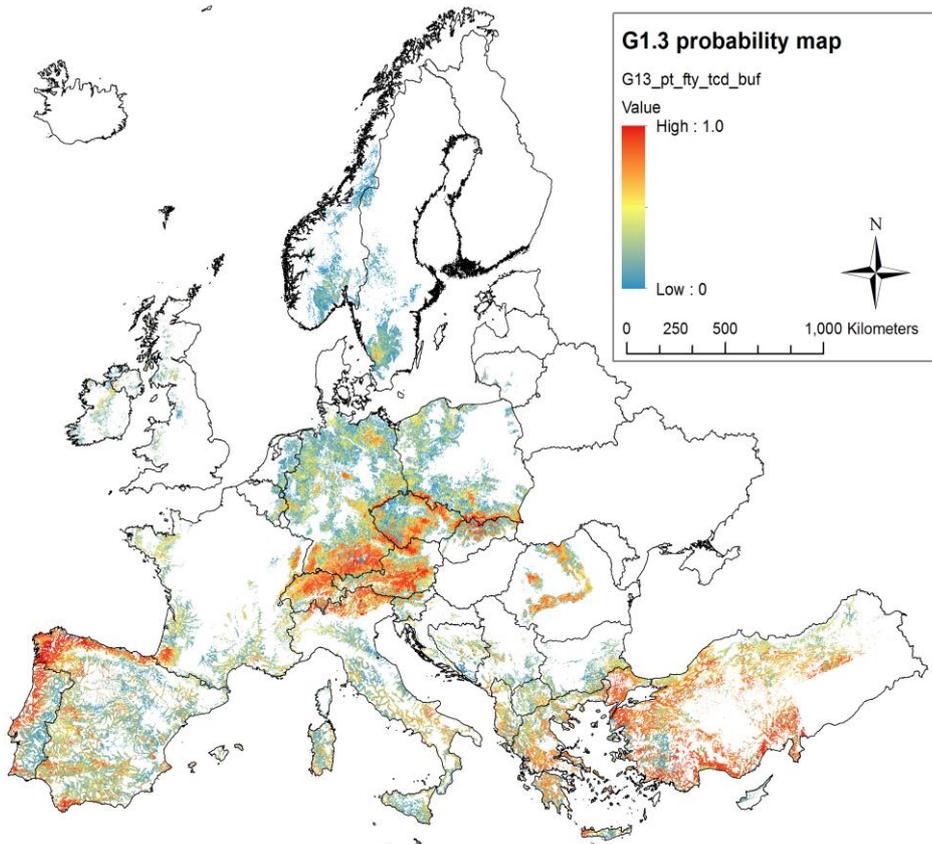
Distribution based on integration Maxent prediction and high resolution data
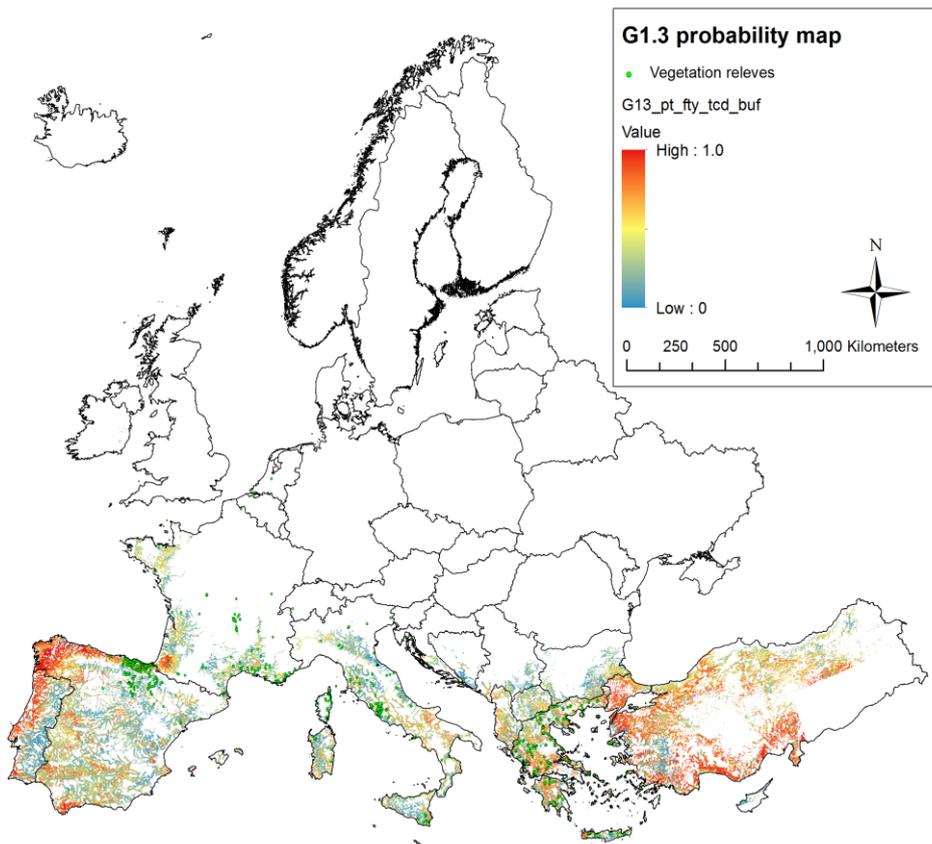
Distribution based on integration Maxent prediction and high resolution data + distribution of vegetation relevés
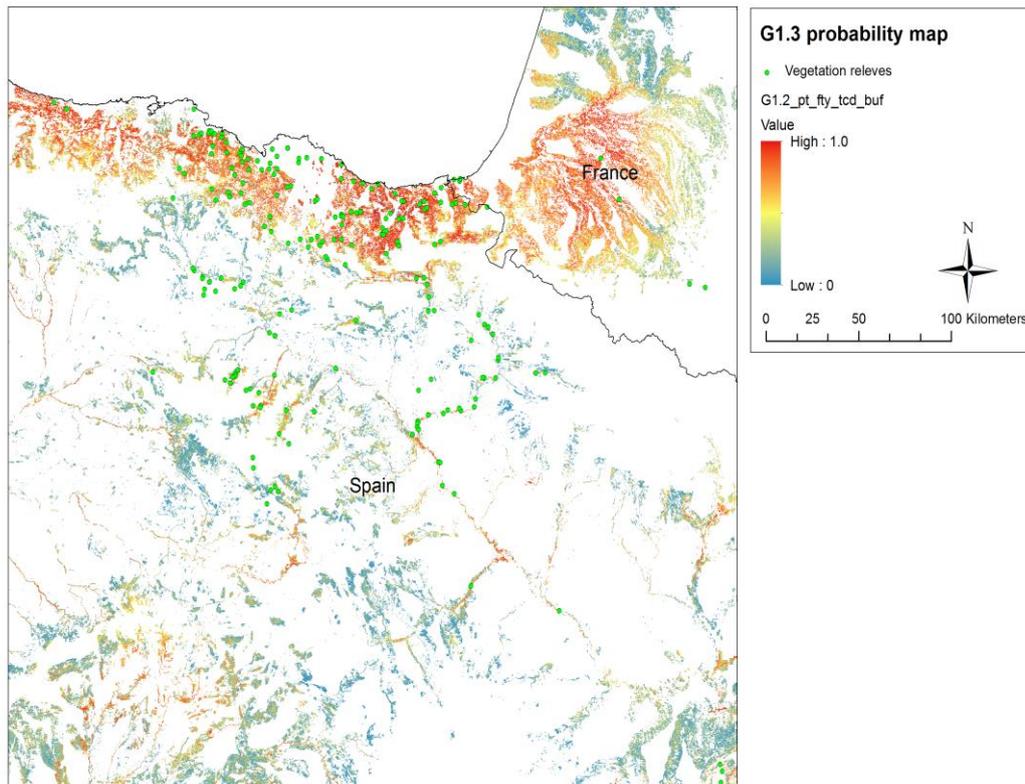
Regional detail of final probability map

Rules for modelling using high resolution data

Threshold 10‰ training presence	0.297
HRL Forest (fty)	1. broadleaved forest
Tree crown density (Tcd)	multiplied
Distance to river (m)	< 3000
PNV	-
TREEMAPS (species)	-
TREEMAPS (threshold)	-
Comment	75% of all in-situ data within 3000 meters

G1.4 - Broadleaved swamp woodland on non-acid peat* [Broadleaved swamp woodland not on acid peat]

Distribution based on vegetation relevés
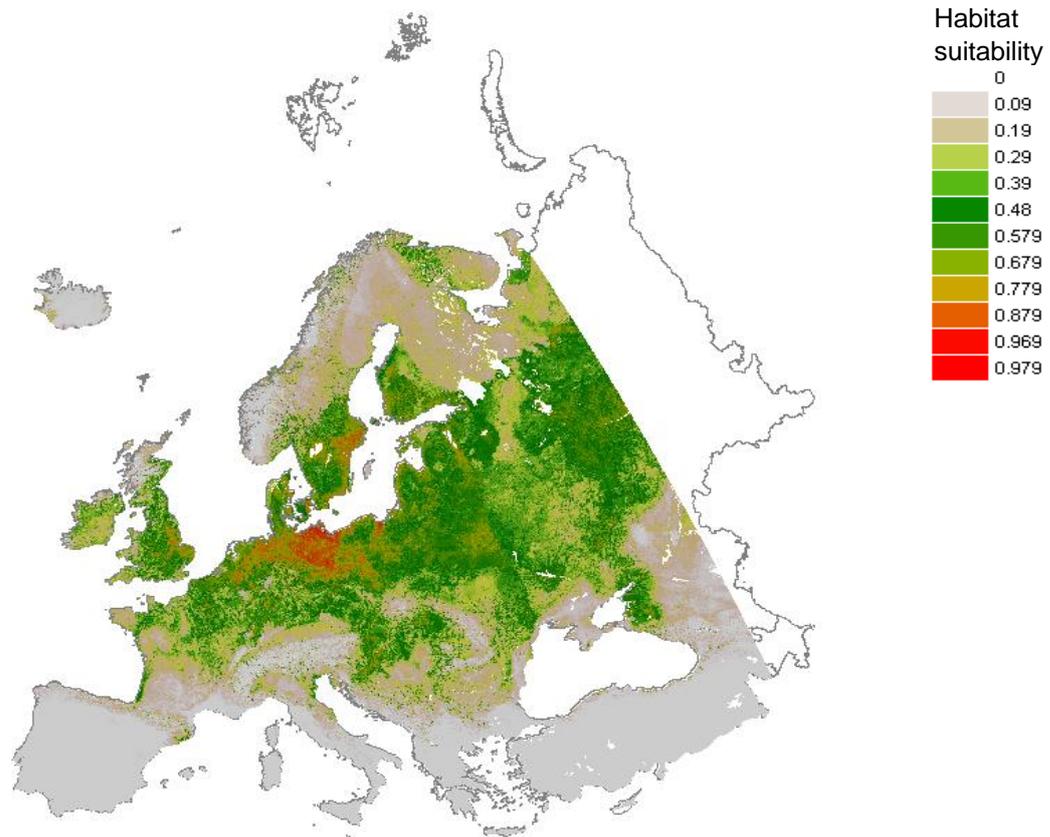
Habitat suitability

- 0
- 0.09
- 0.19
- 0.29
- 0.39
- 0.48
- 0.579
- 0.679
- 0.779
- 0.879
- 0.969
- 0.979

*Maxent prediction model. Background data randomly selected from the complete forest data set*

Statistics from Maxent modelling

|	
AUC training (0-1)	0.8424
AUC test (0-1)	0.8173
Contribution variables to the Maxent model (%)	
Solar radiation	35.2926
Precipitation of Warmest Quarter	18.6273
Mean Temperature of Wettest Quarter	16.2205
Annual Precipitation	12.3519
Potential Evapotranspiration	9.4265
Soil pH	4.6459
Temperature Seasonality (stdev * 100)	2.535
Precipitation Seasonality (coef. of var.)	0.8557
Distance to water	0.0447

Distribution based on integration Maxent prediction and high resolution data

Distribution based on integration Maxent prediction and high resolution data + distribution of vegetation relevés
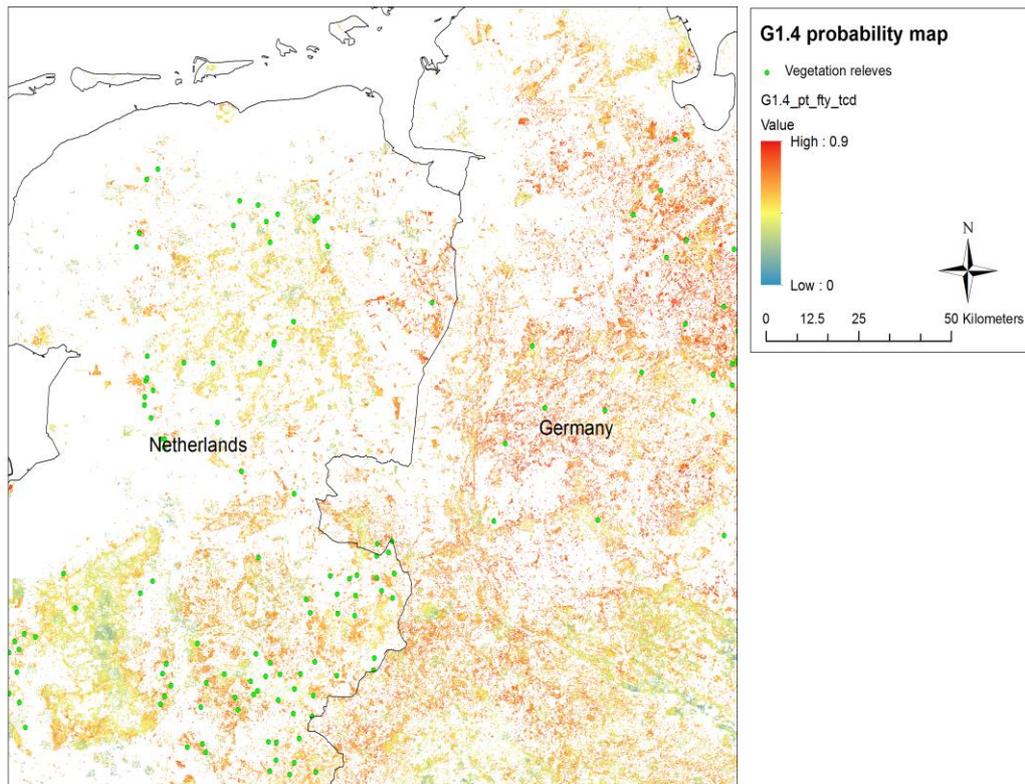
Regional detail of final probability map

Rules for modelling using high resolution data

Threshold 10‰ training presence	0.261
HRL Forest (fty)	1. broadleaved forest
Tree crown density (Tcd)	multiplied
Distance to river (m)	-
PNV	-
TREEMAPS (species)	-
TREEMAPS (threshold)	-
Comment	-

G1.5 - Broadleaved swamp woodland on acid peat* [Broadleaved swamp woodland on acid peat]
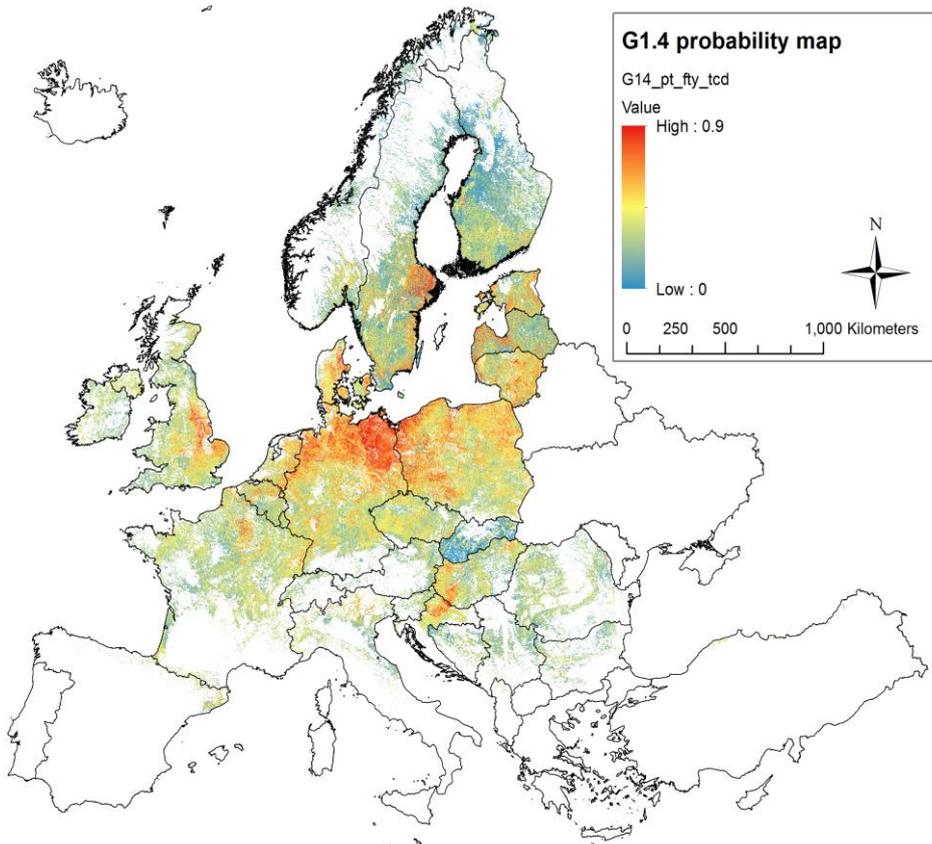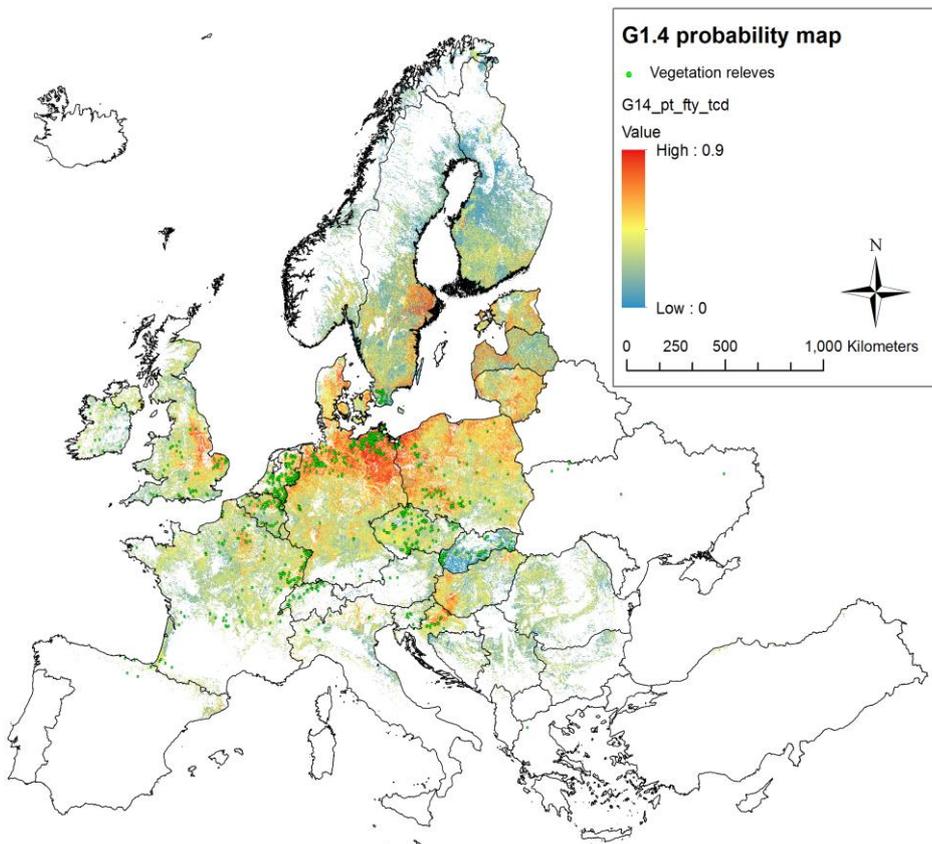

Distribution based on vegetation relevés
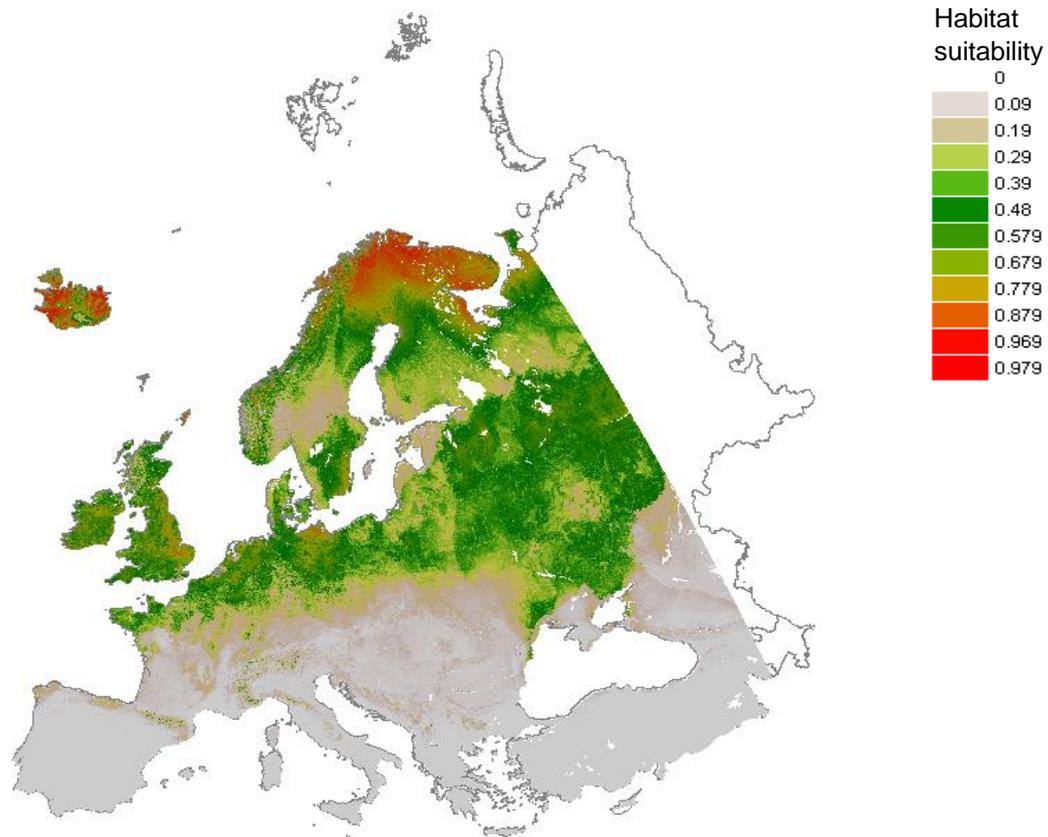
Maxent prediction model. Background data randomly selected from the complete forest data set

Statistics from Maxent modelling

AUC training (0-1)	0.8759
AUC test (0-1)	0.855
Contribution variables to the Maxent model (%)	
Potential Evapotranspiration	48.1552
Solar radiation	20.9292
Precipitation of Warmest Quarter	11.3991
Precipitation Seasonality (coef. of var.)	5.7861
Soil pH	4.7057
Temperature Seasonality (stdev * 100)	4.0095
Annual Precipitation	2.9986
Mean Temperature of Wettest Quarter	1.4044
Distance to water	0.6122
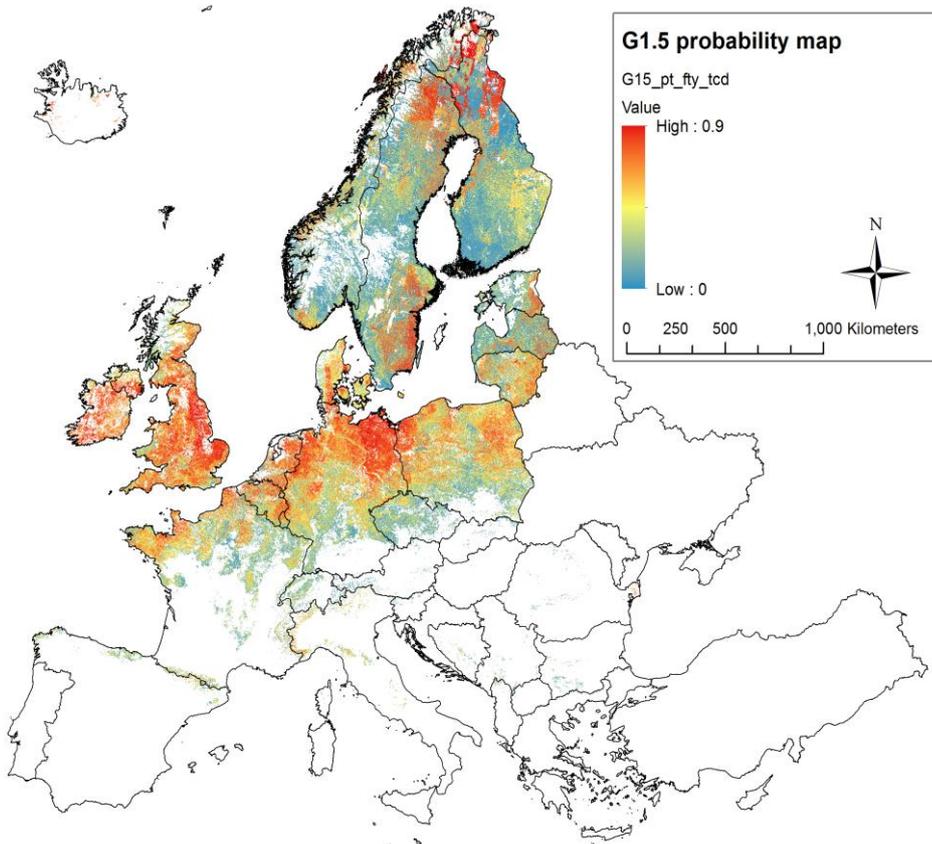
Distribution based on integration Maxent prediction and high resolution data
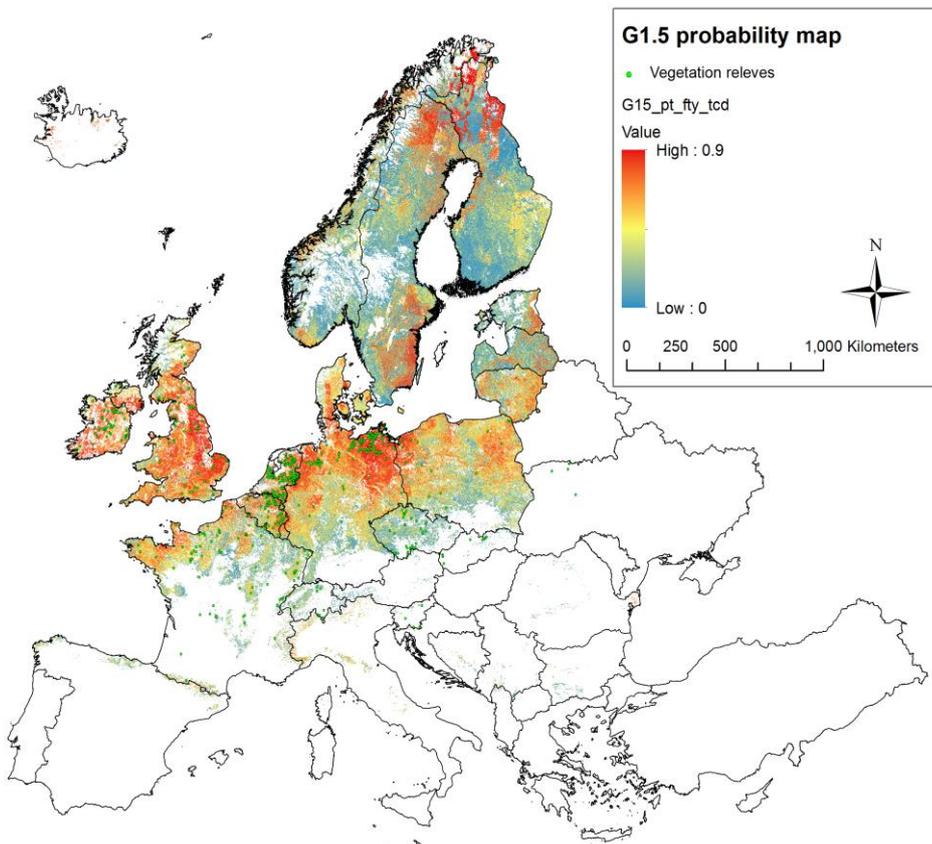
Distribution based on integration Maxent prediction and high resolution data + distribution of vegetation relevés
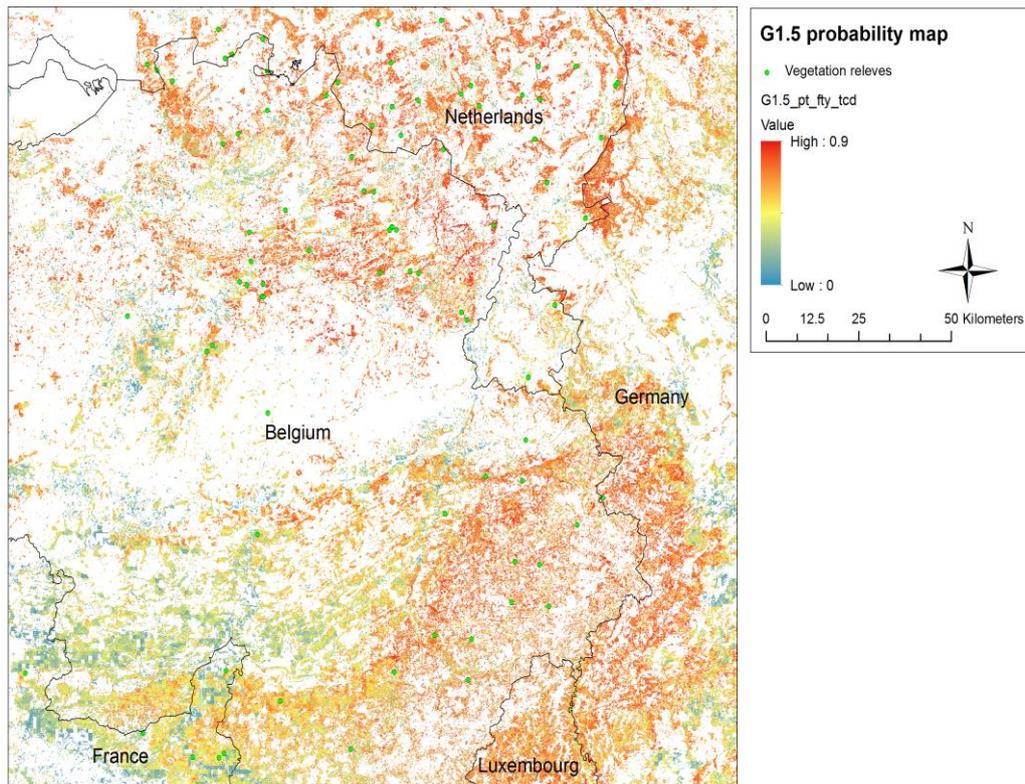
Regional detail of final probability map

Rules for modelling using high resolution data

Threshold 10‰ training presence	0.202
HRL Forest (fty)	1. broadleaved forest
Tree crown density (Tcd)	multiplied
Distance to river (m)	-
PNV	-
TREEMAPS (species)	-
TREEMAPS (threshold)	-
Comment	-

G1.6a - Fagus woodland on non-acid soils
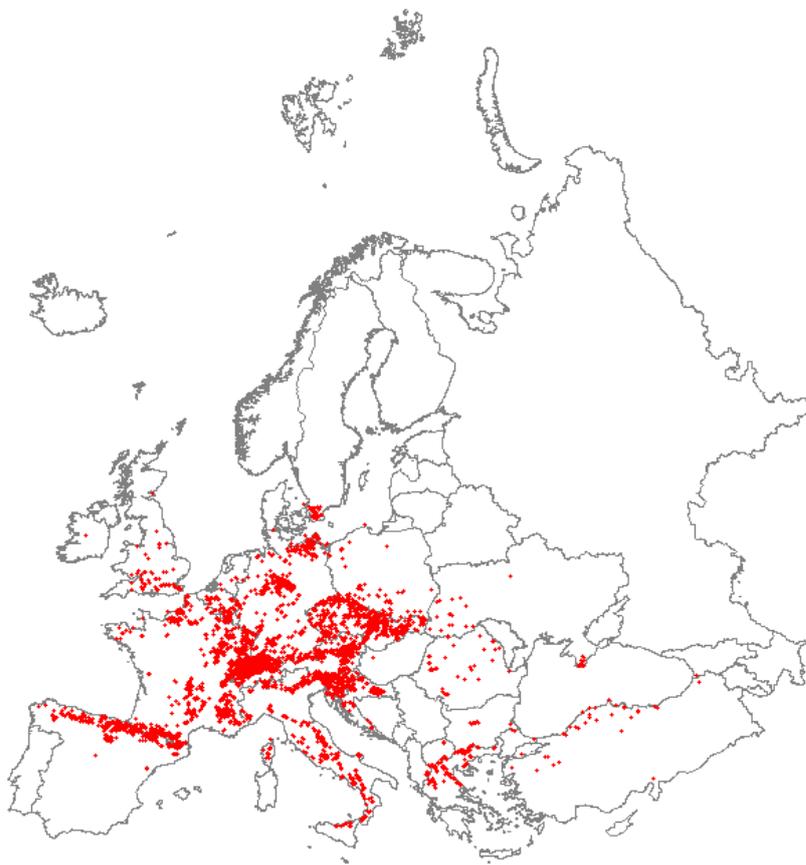
Distribution based on vegetation relevés
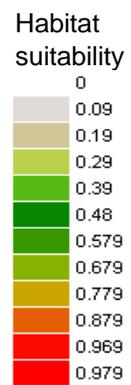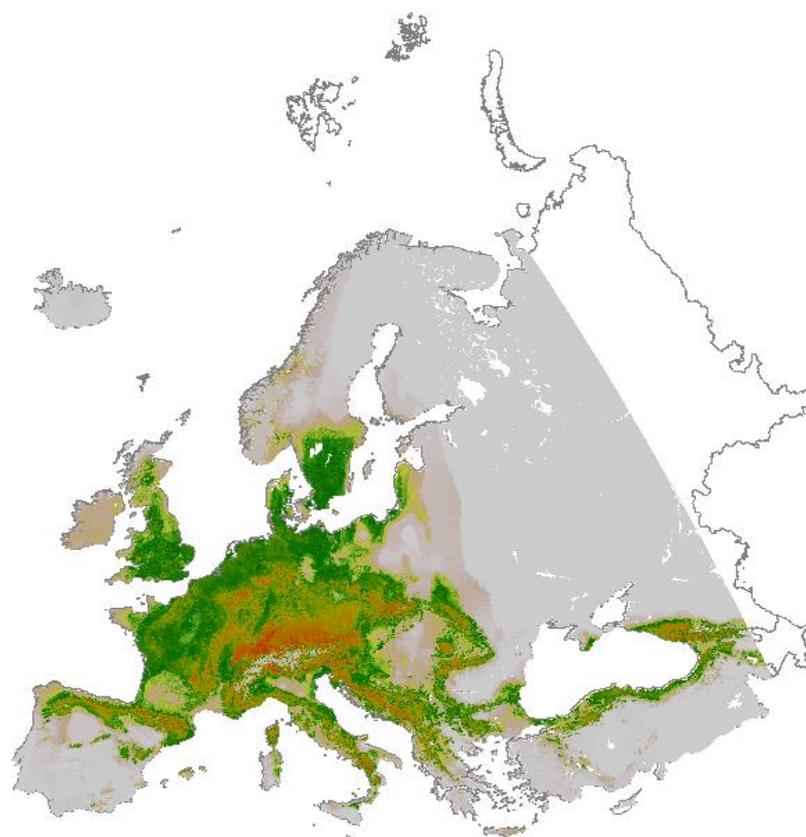
Habitat
suitability
0
0.09
0.19
0.29
0.39
0.48
0.579
0.679
0.779
0.879
0.969
0.979

Maxent prediction model. Background data randomly selected from the study area

Statistics from Maxent modelling

AUC training (0-1)	0.8144
AUC test (0-1)	0.8091
Contribution variables to the Maxent model (%)	
Temperature Seasonality (stdev * 100)	57.2887
Potential Evapotranspiration	25.3307
Annual Precipitation	7.2249
Precipitation of Warmest Quarter	5.0275
Solar radiation	3.3526
Precipitation Seasonality (coef. of var.)	1.3313
Soil pH	0.2365
Mean Temperature of Wettest Quarter	0.1087
Distance to water	0.099
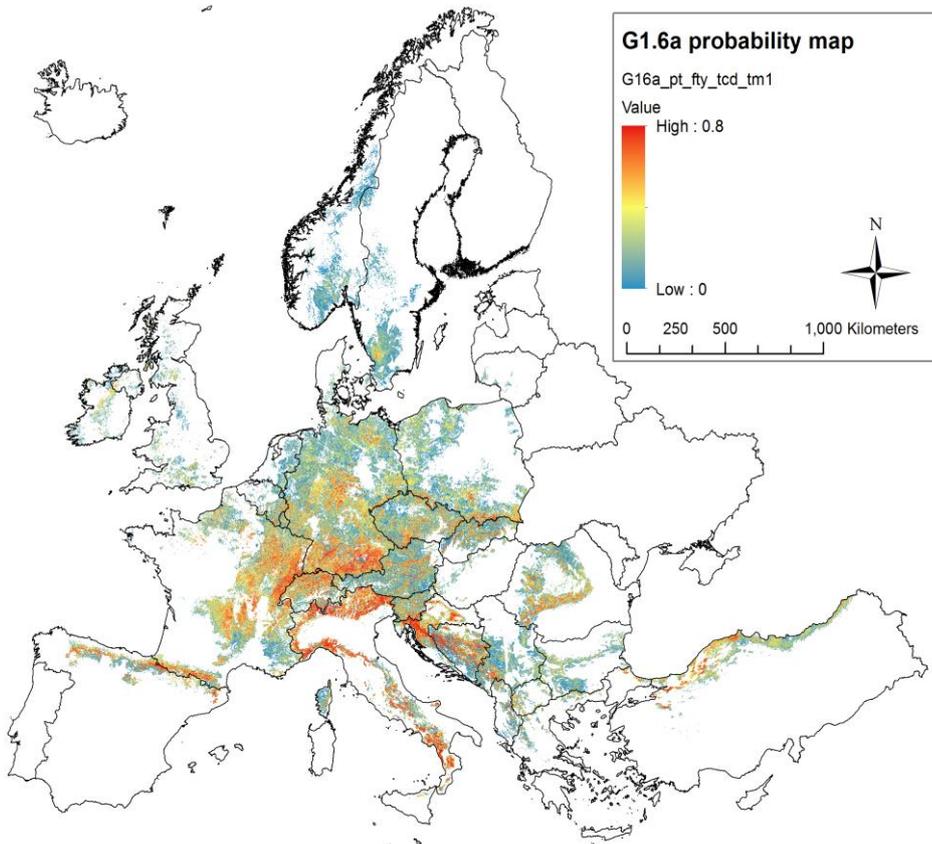
Distribution based on integration Maxent prediction and high resolution data
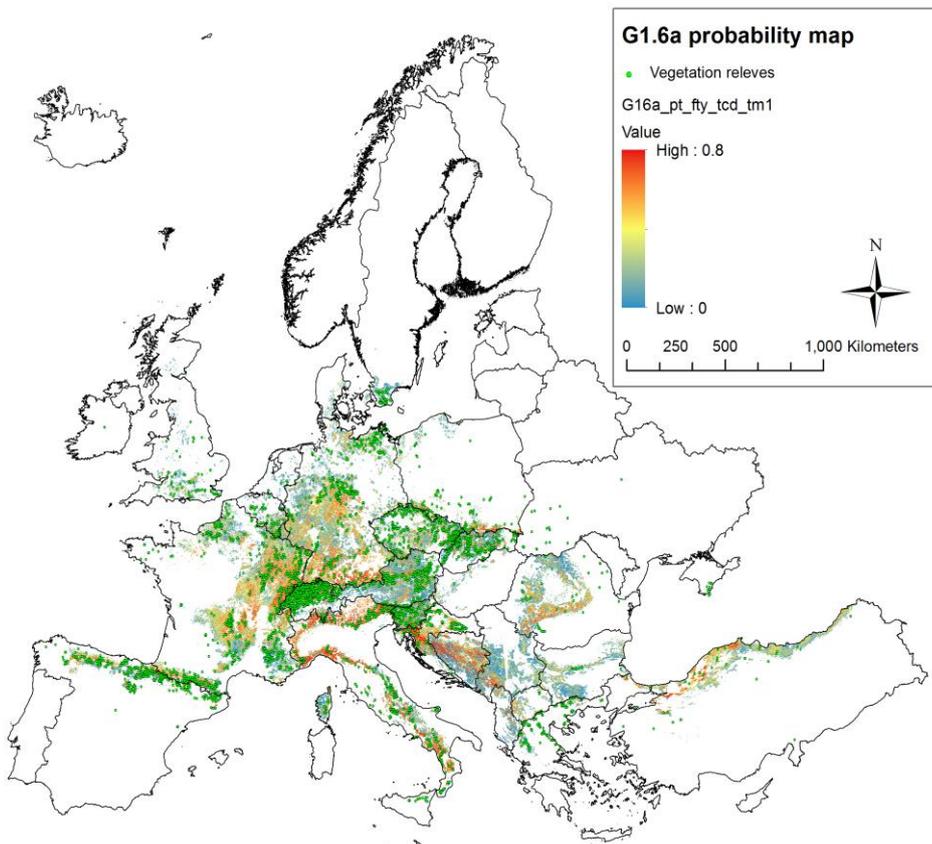
Distribution based on integration Maxent prediction and high resolution data + distribution of vegetation relevés
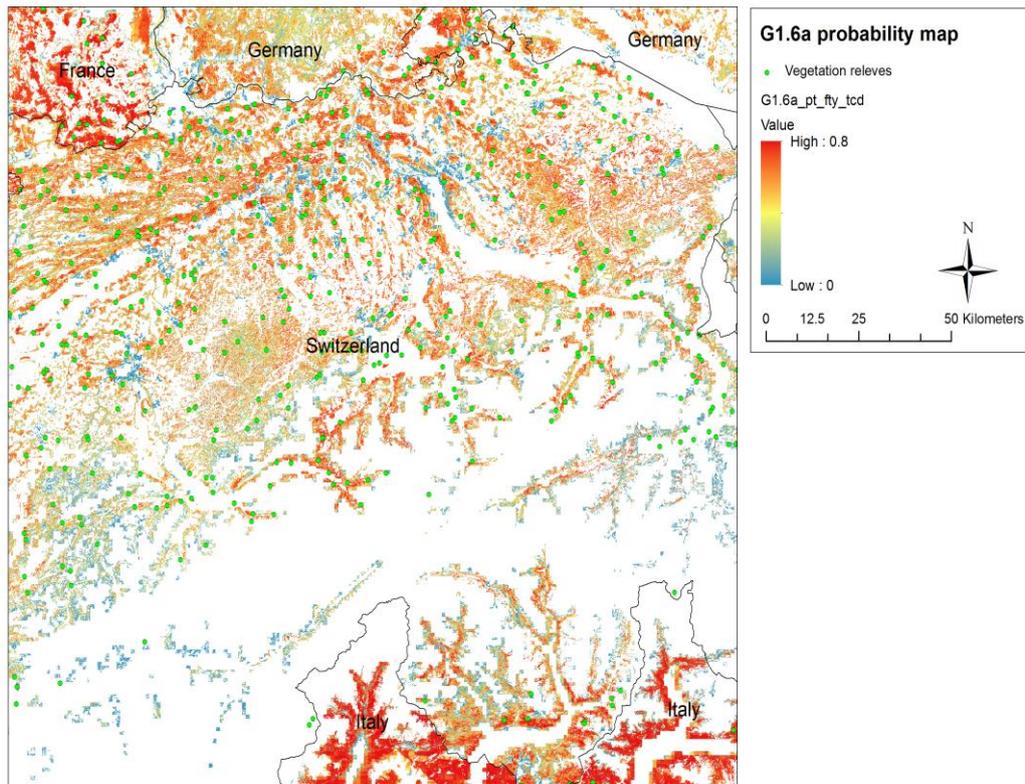
Regional detail of final probability map

Rules for modelling using high resolution data

Threshold 10‰ training presence	0.372
HRL Forest (fty)	1. broadleaved forest
Tree crown density (Tcd)	multiplied
Distance to river (m)	-
PNV	-
TREEMAPS (species)	Fagus sylvatica
TREEMAPS (threshold)	< 1% threshold
Comment	-

G1.6b - Fagus woodland on acid soils
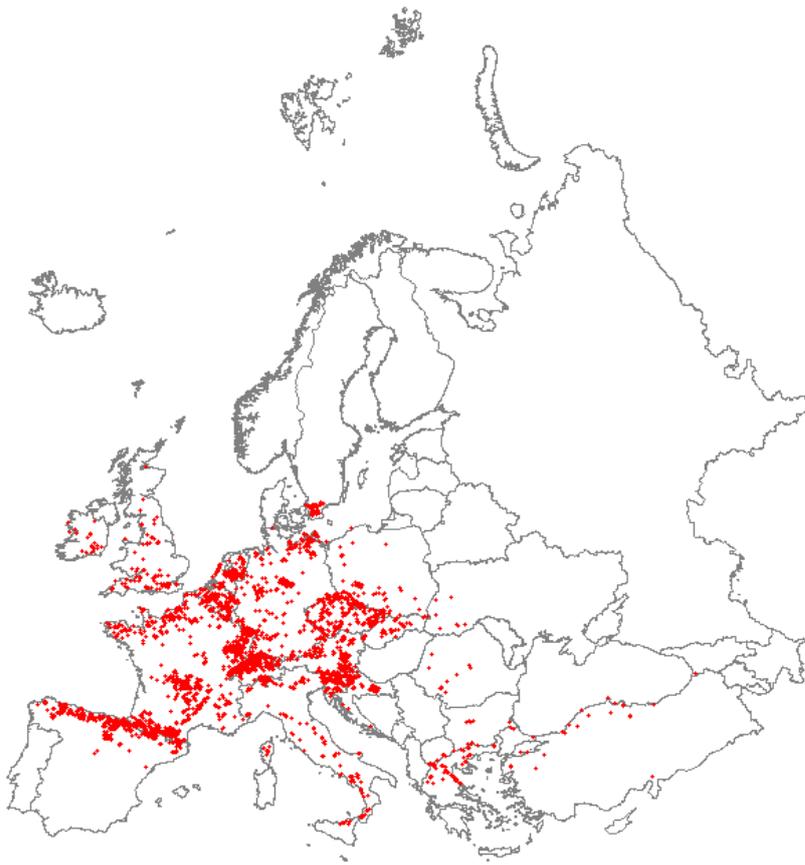
Distribution based on vegetation relevés
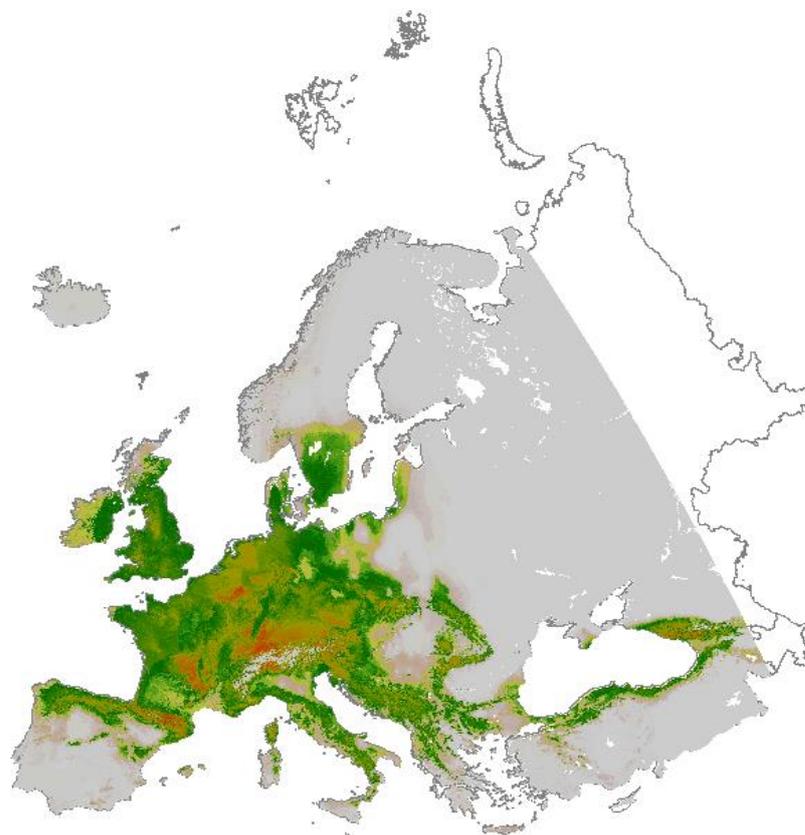
Habitat
suitability

	0
	0.09
	0.19
	0.29
	0.39
	0.48
	0.579
	0.679
	0.779
	0.879
	0.969
	0.979

Maxent prediction model. Background data randomly selected from the study area

Statistics from Maxent modelling

AUC training (0-1)	0.8336
AUC test (0-1)	0.8312
Contribution variables to the Maxent model (%)	
Temperature Seasonality (stdev * 100)	58.7703
Potential Evapotranspiration	22.2968
Annual Precipitation	8.8968
Precipitation of Warmest Quarter	7.0438
Solar radiation	1.4606
Precipitation Seasonality (coef. of var.)	1.1614
Soil pH	0.224
Mean Temperature of Wettest Quarter	0.0876
Distance to water	0.0586
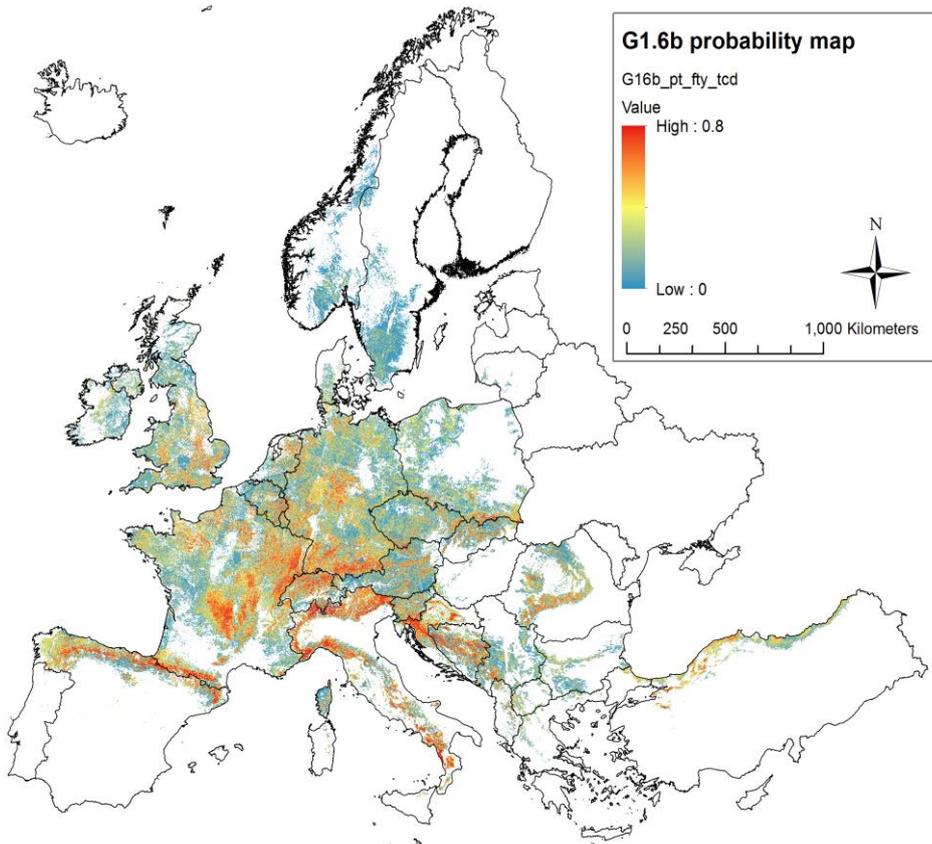
Distribution based on integration Maxent prediction and high resolution data
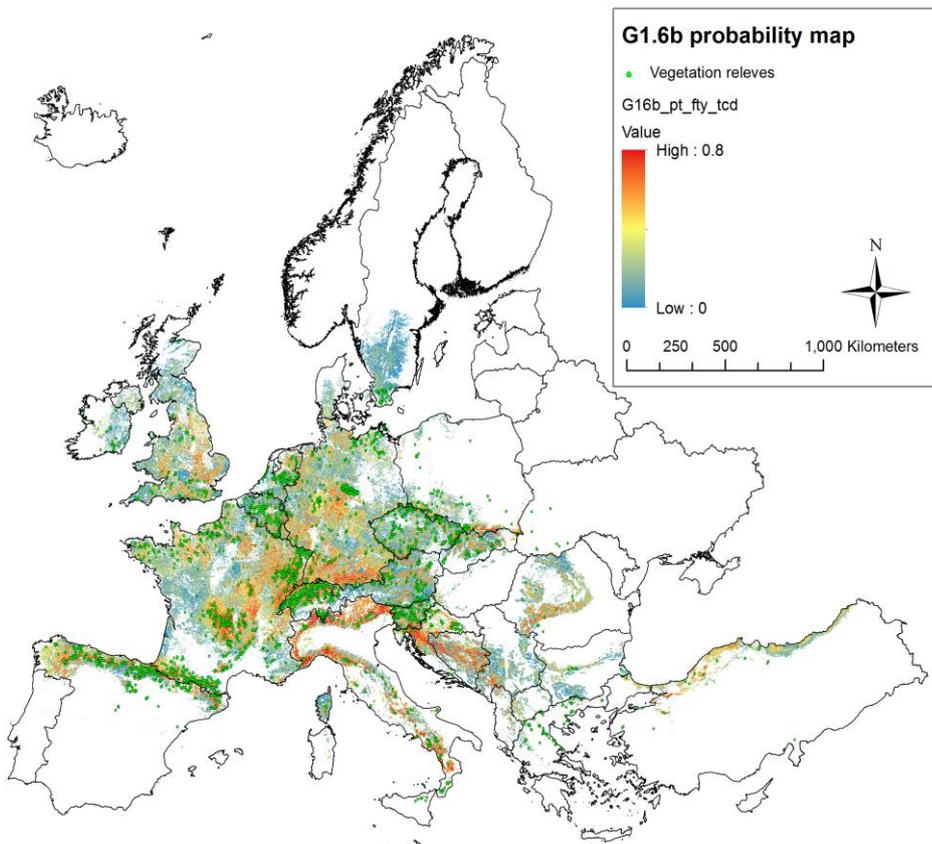
Distribution based on integration Maxent prediction and high resolution data + distribution of vegetation relevés
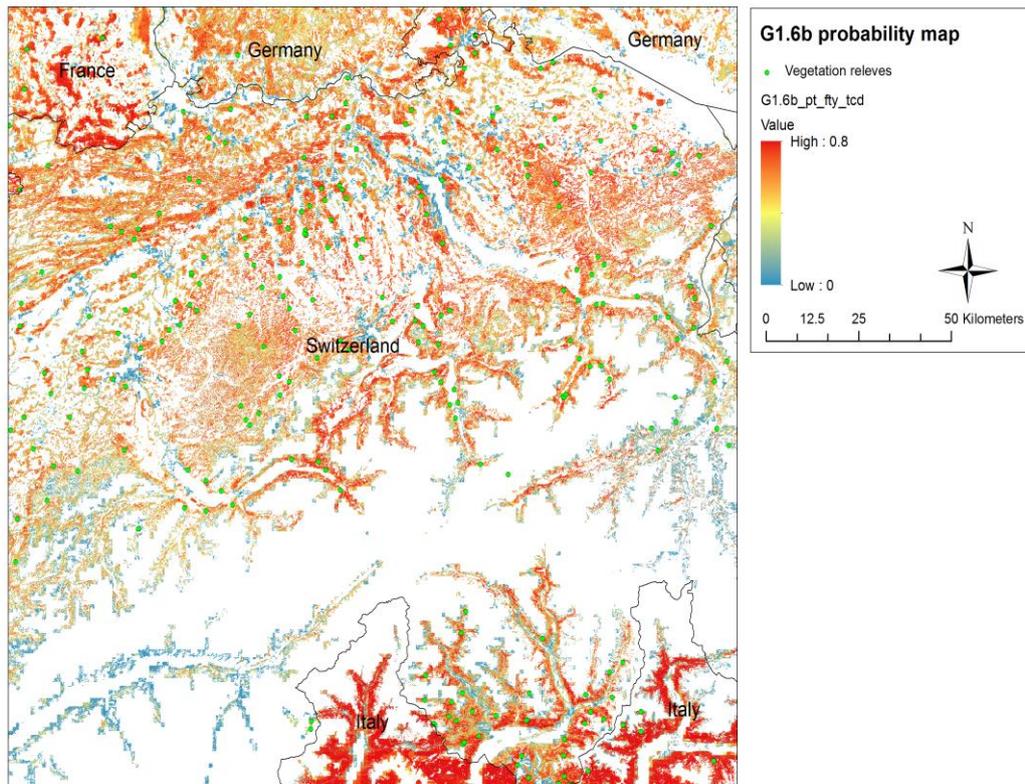
Regional detail of final probability map

Rules for modelling using high resolution data

Threshold 10‰ training presence	0.362
HRL Forest (fty)	1. broadleaved forest
Tree crown density (Tcd)	multiplied
Distance to river (m)	-
PNV	-
TREEMAPS (species)	-
TREEMAPS (threshold)	-
Comment	-

G1.7 - Thermophilous deciduous woodland

Distribution based on vegetation relevés
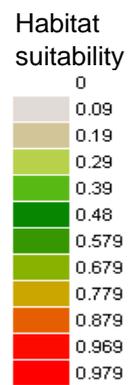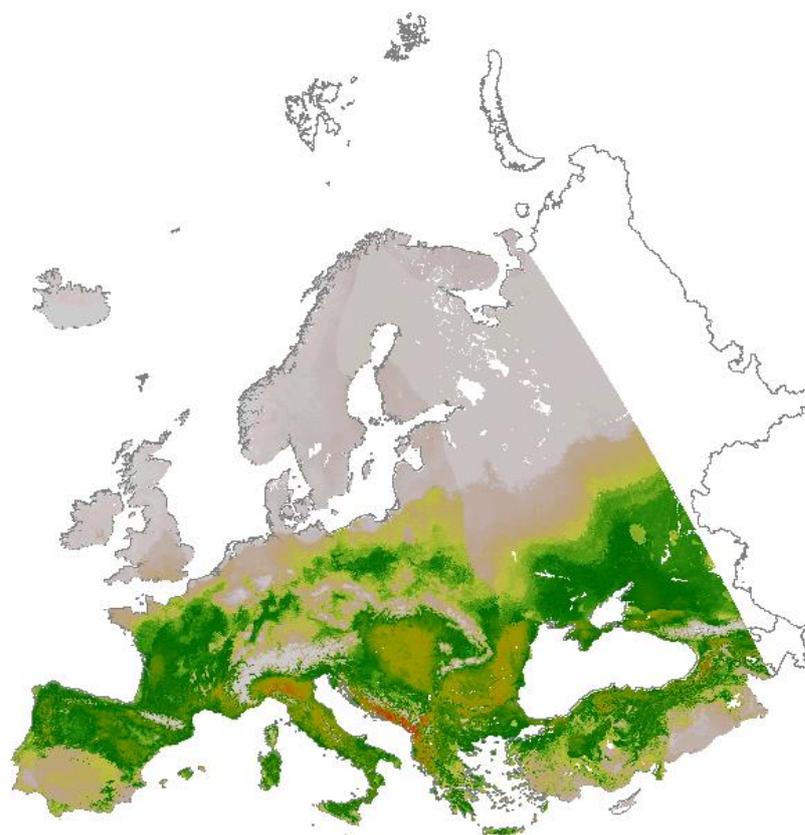
Habitat
suitability

	0
	0.09
	0.19
	0.29
	0.39
	0.48
	0.579
	0.679
	0.779
	0.879
	0.969
	0.979

Maxent prediction model. Background data randomly selected from the complete forest data set

Statistics from Maxent modelling

AUC training (0-1)	0.7726
AUC test (0-1)	0.768
Contribution variables to the Maxent model (%)	
Potential Evapotranspiration	75.8512
Precipitation of Warmest Quarter	10.3186
Temperature Seasonality (stdev * 100)	3.8745
Mean Temperature of Wettest Quarter	3.3564
Precipitation Seasonality (coef. of var.)	2.2401
Soil pH	1.5313
Annual Precipitation	1.5267
Solar radiation	0.8308
Distance to water	0.4704
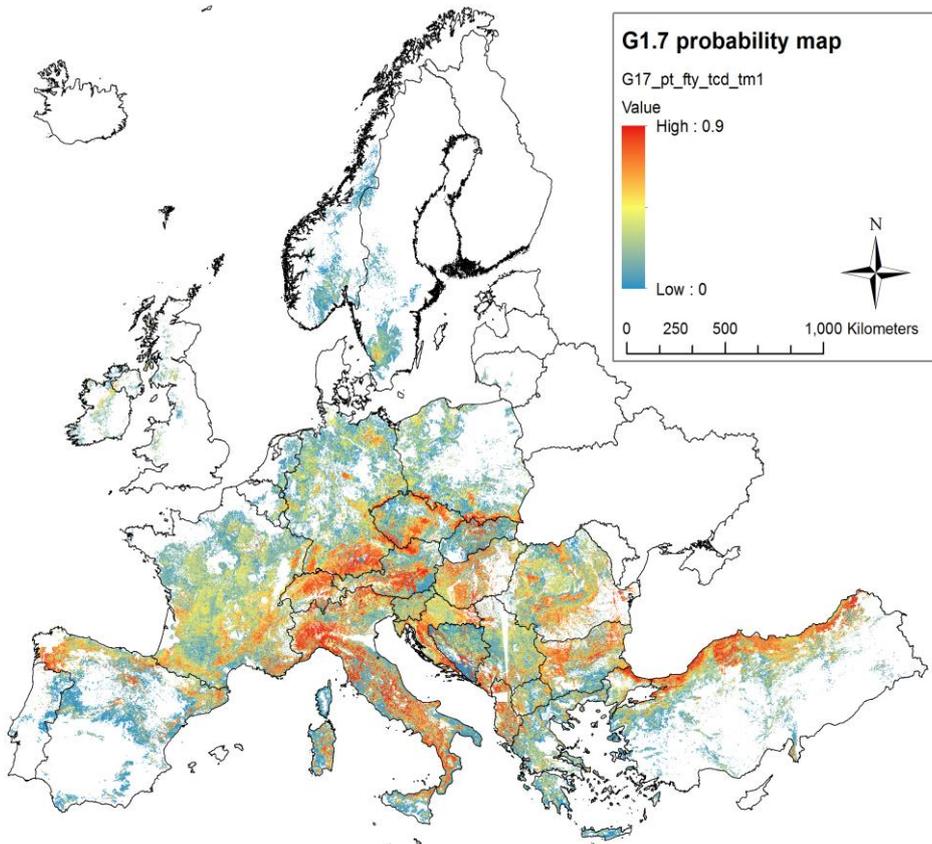
Distribution based on integration Maxent prediction and high resolution data
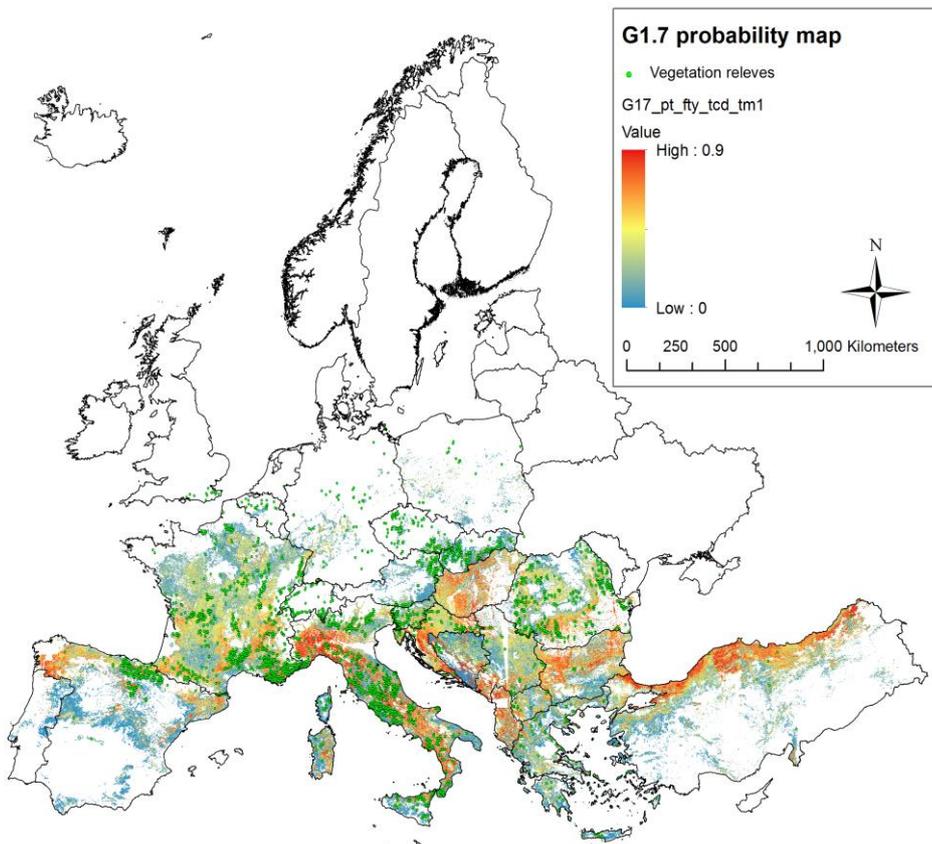
Distribution based on integration Maxent prediction and high resolution data + distribution of vegetation relevés
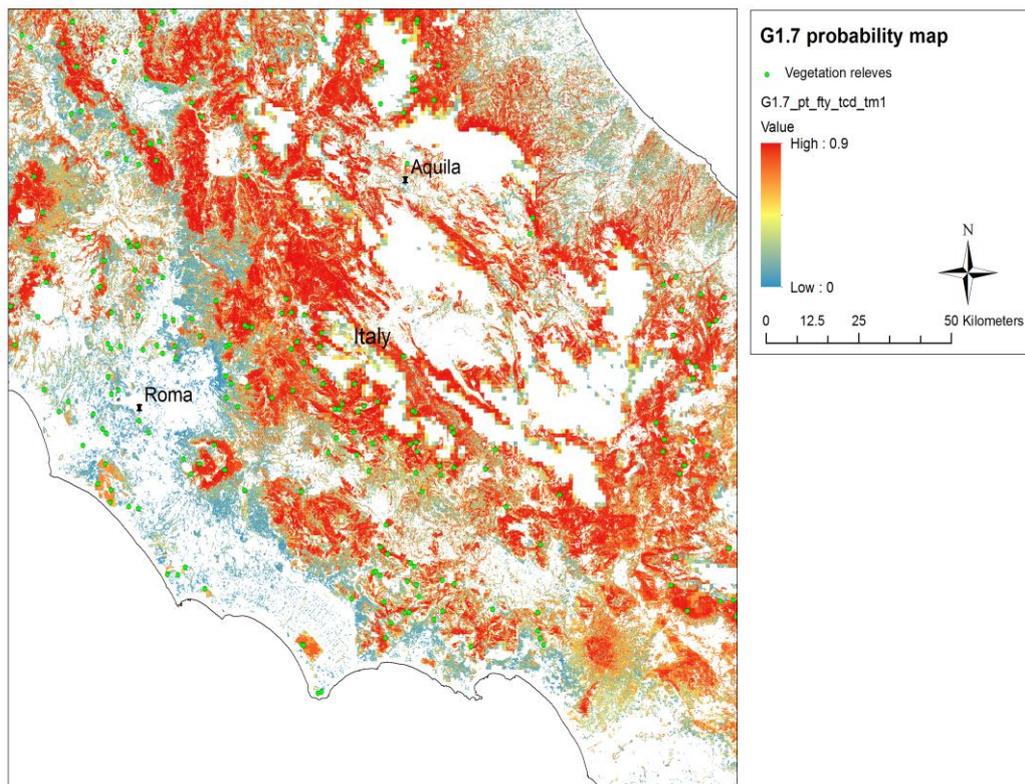
Regional detail of final probability map

Rules for modelling using high resolution data

Threshold 10‰ training presence	0.3
HRL Forest (fty)	1. broadleaved forest
Tree crown density (Tcd)	multiplied
Distance to river (m)	-
PNV	-
TREEMAPS (species)	Carpinus_Spp or Castanea_Spp or Quercus Misc (sum)
TREEMAPS (threshold)	< 1% threshold
Comment	Turkey added to TREEMAPS

G1.8 - Acidophilous Quercus woodland* [Acidophilous [Quercus]-dominated woodland]

Distribution based on vegetation relevés
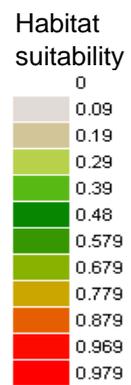
Habitat
suitability

	0
	0.09
	0.19
	0.29
	0.39
	0.48
	0.579
	0.679
	0.779
	0.879
	0.969
	0.979

Maxent prediction model. Background data randomly selected from the study area

Statistics from Maxent modelling

AUC training (0-1)	0.8628
AUC test (0-1)	0.863
Contribution variables to the Maxent model (%)	
Temperature Seasonality (stdev * 100)	58.255
Precipitation of Warmest Quarter	21.5749
Potential Evapotranspiration	14.6326
Solar radiation	2.9419
Precipitation Seasonality (coef. of var.)	1.4857
Soil pH	0.7197
Mean Temperature of Wettest Quarter	0.2729
Annual Precipitation	0.1128
Distance to water	0.0045
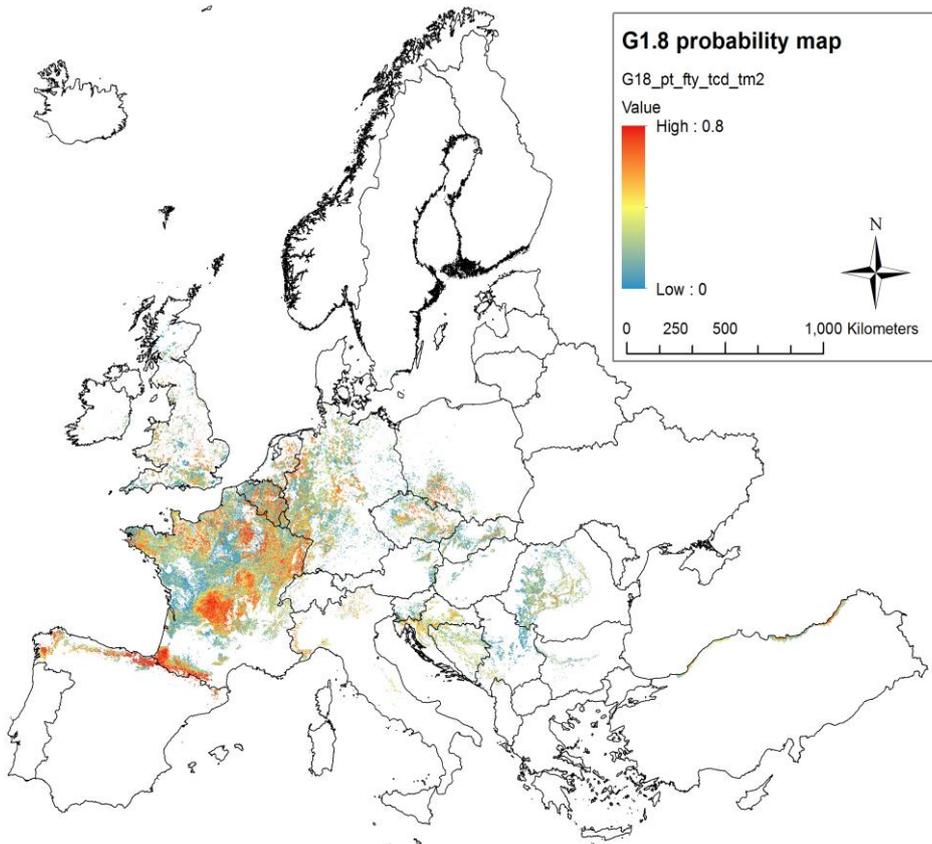
Distribution based on integration Maxent prediction and high resolution data
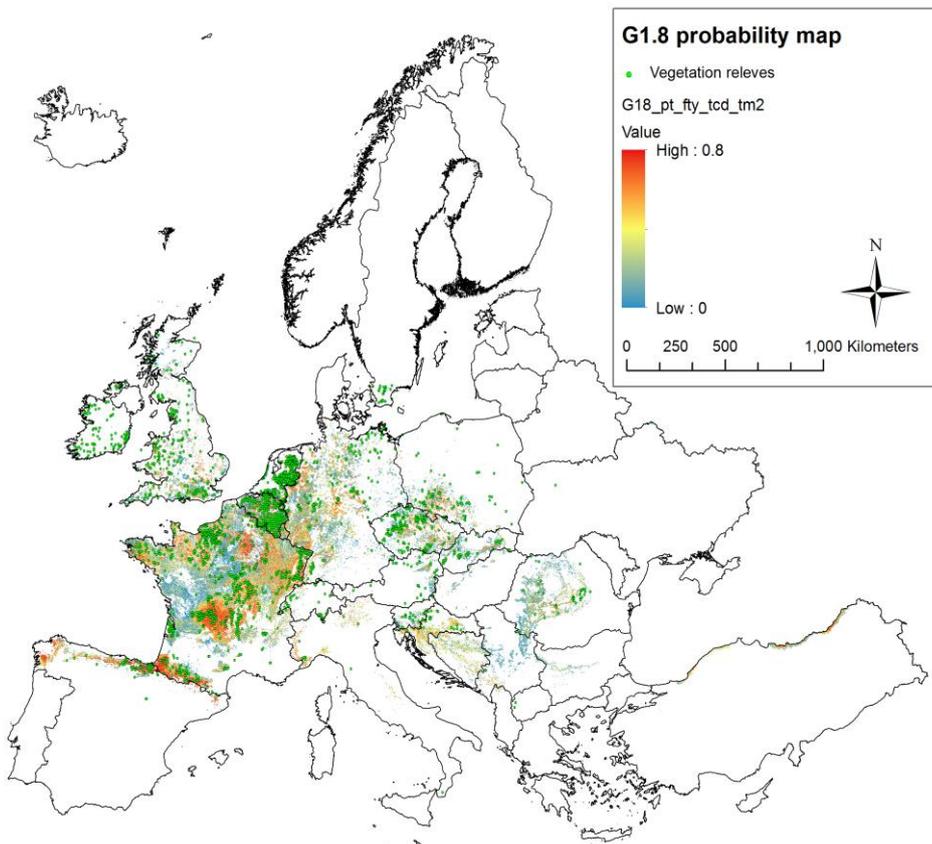
Distribution based on integration Maxent prediction and high resolution data + distribution of vegetation relevés
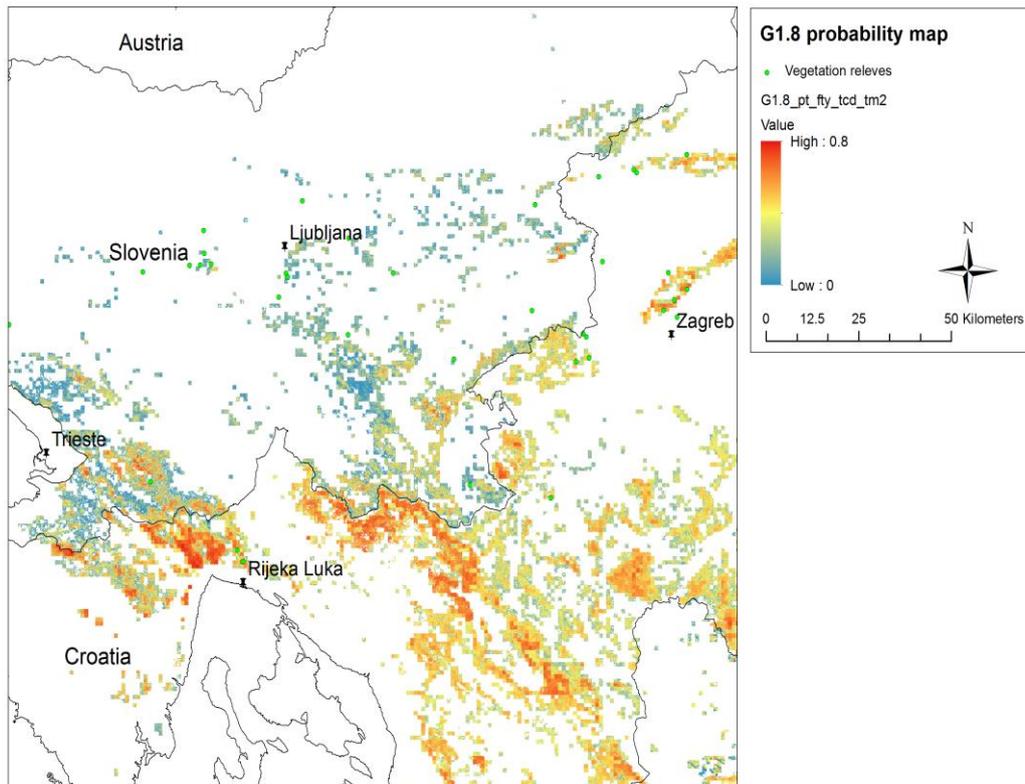
Regional detail of final probability map

Rules for modelling using high resolution data

Threshold 10‰ training presence	0.36
HRL Forest (fty)	1. broadleaved forest
Tree crown density (Tcd)	multiplied
Distance to river (m)	-
PNV	-
TREEMAPS (species)	Quercus Robur Petraea
TREEMAPS (threshold)	< 2% threshold
Comment	Turkey and Belgium added to

G1.9a - Mountain Betula and Populus tremula woodlands on mineral soils

Distribution based on vegetation relevés
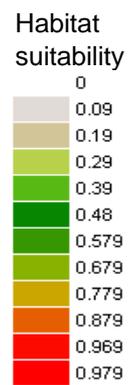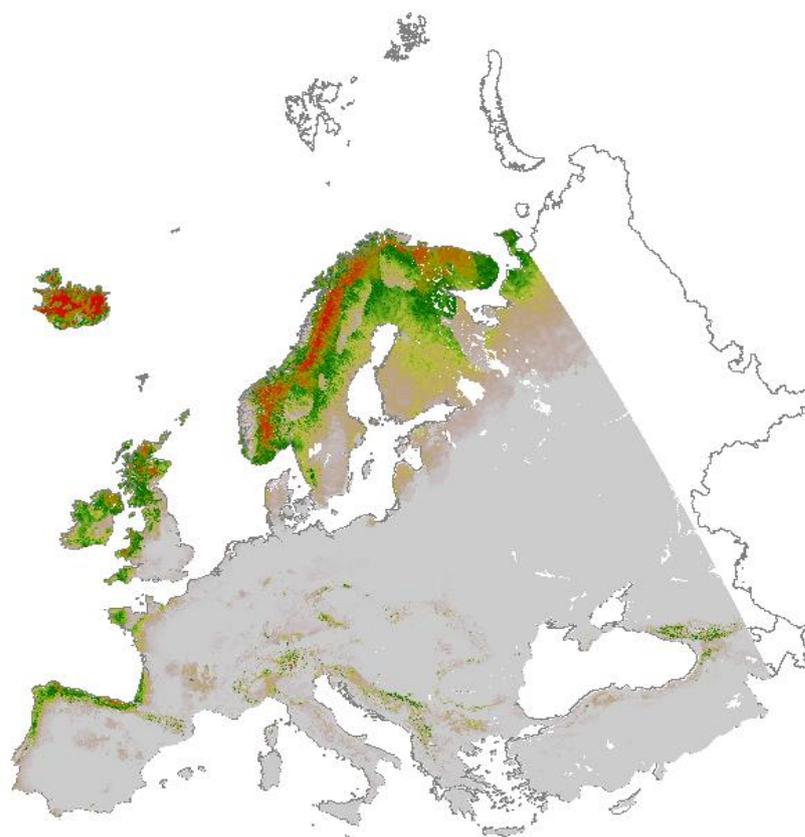
Habitat
suitability

	0
	0.09
	0.19
	0.29
	0.39
	0.48
	0.579
	0.679
	0.779
	0.879
	0.969
	0.979

Maxent prediction model. Background data randomly selected from the complete forest data set

Statistics from Maxent modelling

AUC training (0-1)	0.9694
AUC test (0-1)	0.9146
Contribution variables to the Maxent model (%)	
Potential Evapotranspiration	25.3501
Temperature Seasonality (stdev * 100)	21.1121
Mean Temperature of Wettest Quarter	15.3974
Precipitation Seasonality (coef. of var.)	9.189
Soil pH	8.7273
Annual Precipitation	8.5167
Precipitation of Warmest Quarter	7.8623
Solar radiation	3.1554
Distance to water	0.6898

Distribution based on integration Maxent prediction and high resolution data

Distribution based on integration Maxent prediction and high resolution data + distribution of vegetation relevés
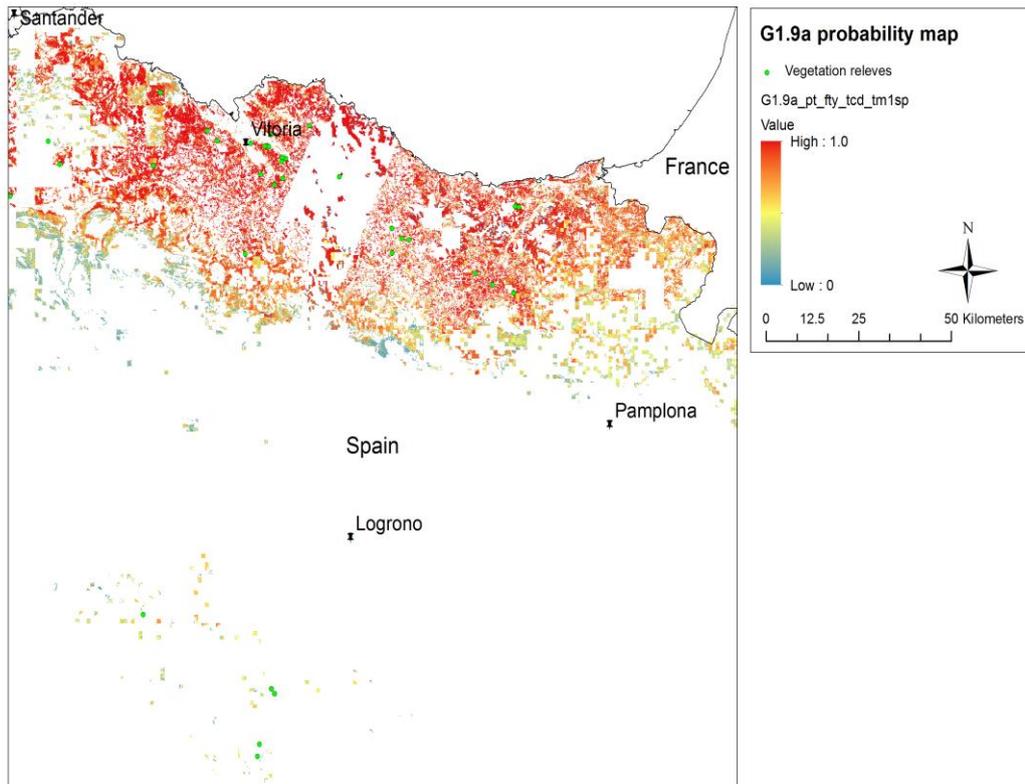
*Regional detail of final probability map*

Rules for modelling using high resolution data

Threshold 10‰ training presence	0.242
HRL Forest (fty)	1. broadleaved forest
Tree crown density (Tcd)	multiplied
Distance to river (m)	-
PNV	-
TREEMAPS (species)	Betula
TREEMAPS (threshold)	< 1% threshold
Comment	Turkey and Spain added to TREEMAPS.

G1.A - Mesotrophic and eutrophic deciduous woodland, not dominated by Fagus* [Meso- and eutrophic [Quercus], [Carpinus], [Fraxinus], [Acer], [Tilia], [Ulmus] and related
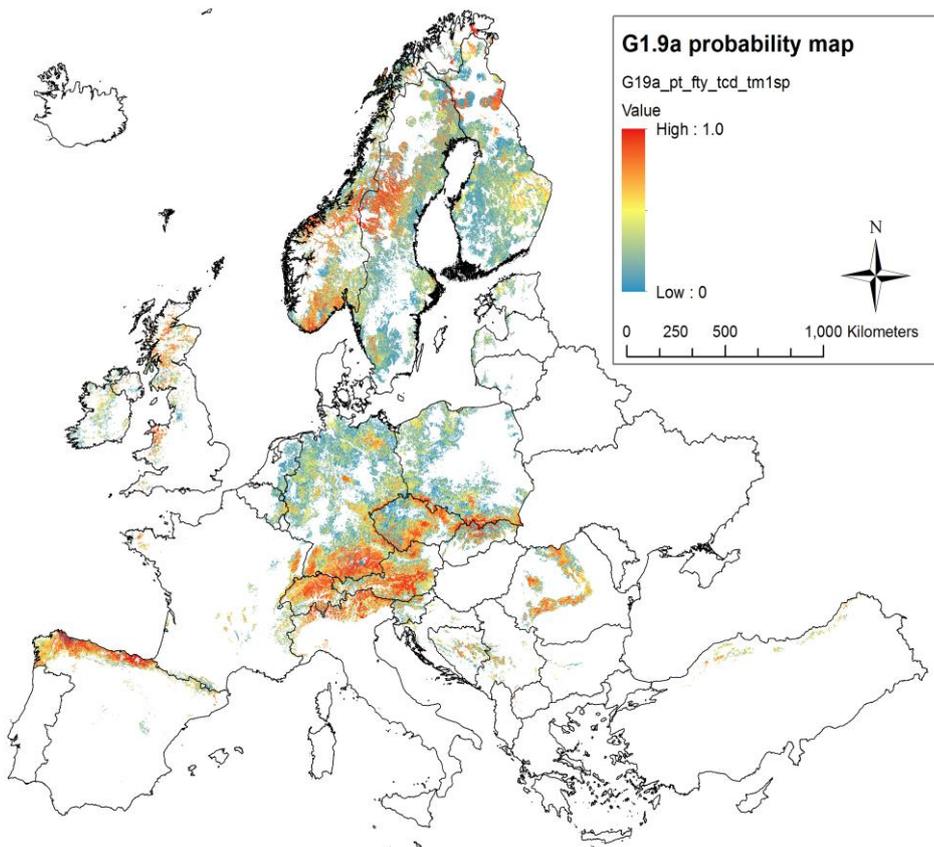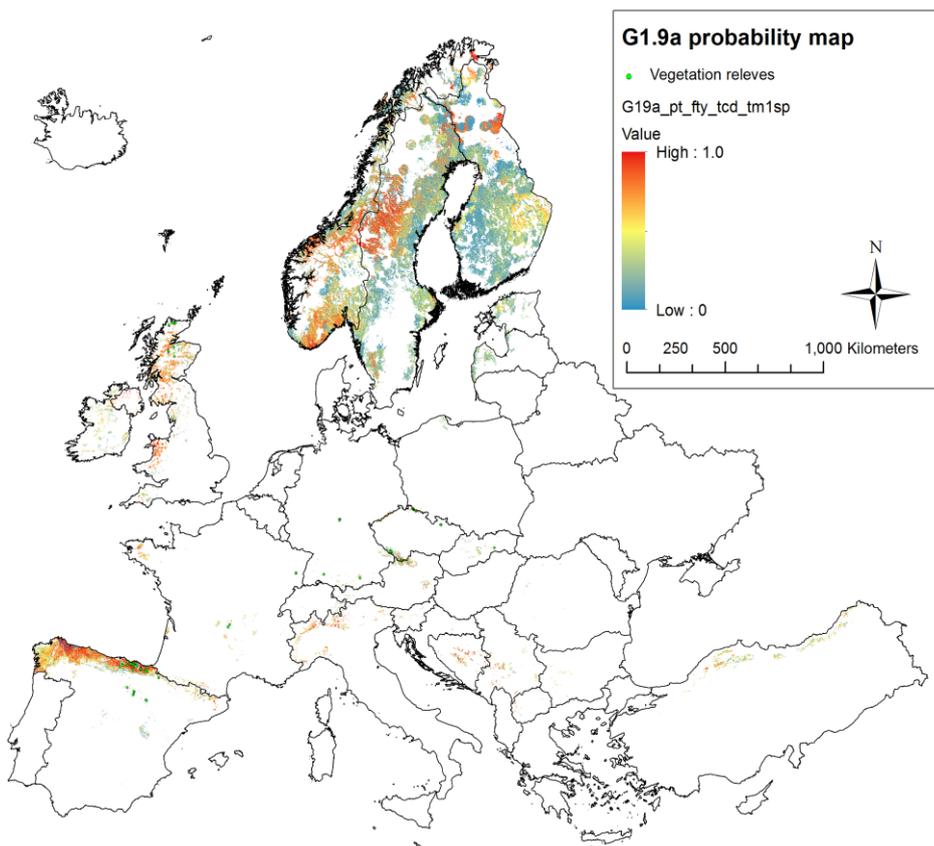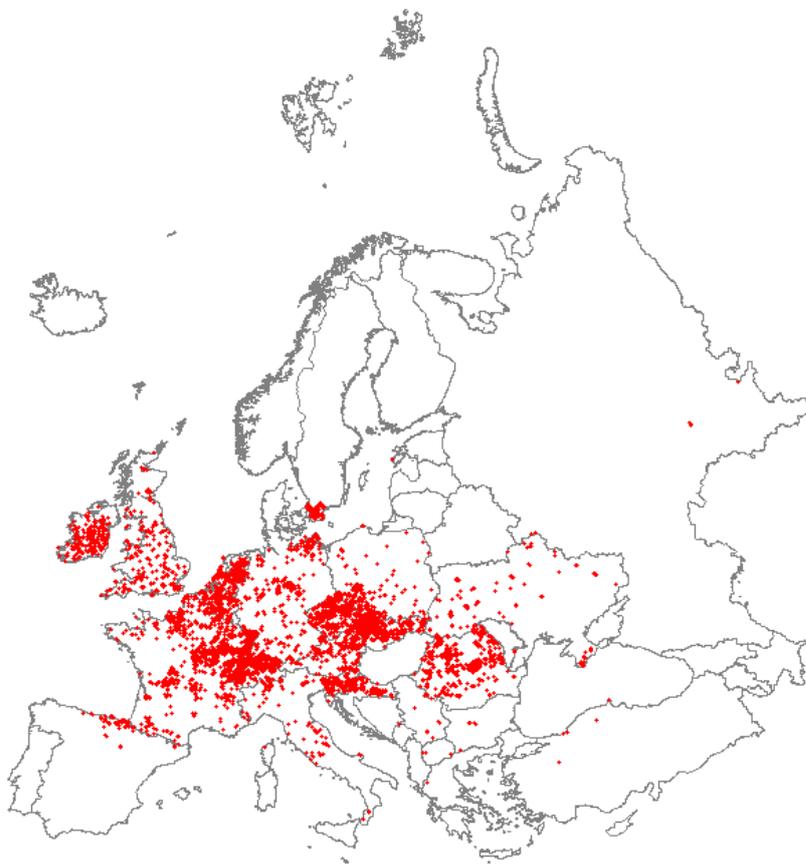

Distribution based on vegetation relevés
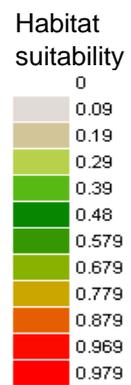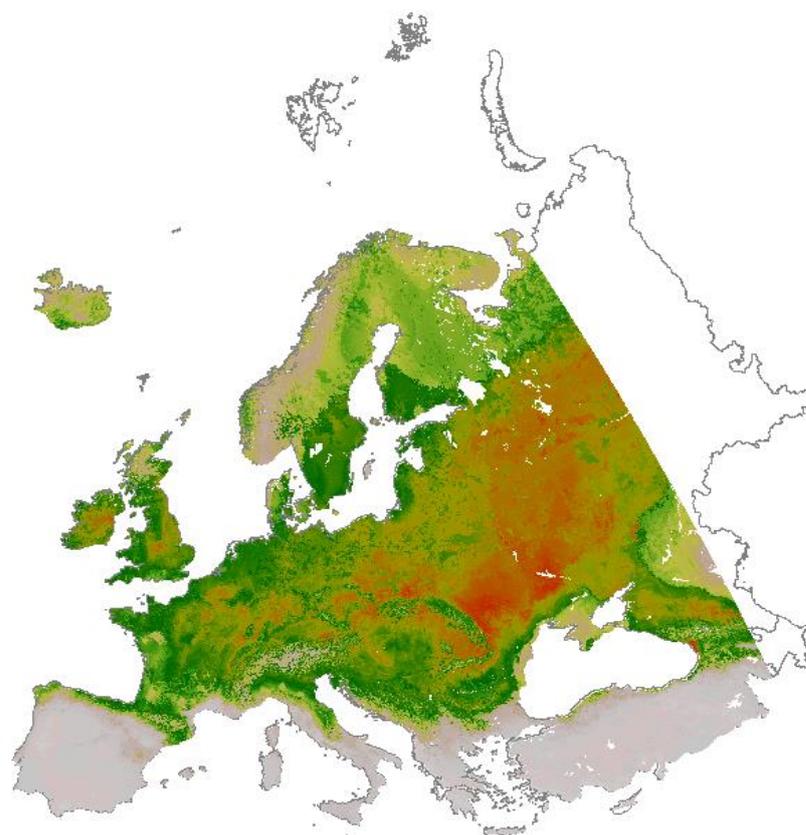
Maxent prediction model. Background data randomly selected from the complete forest data set

Statistics from Maxent modelling

AUC training (0-1)	0.6966
AUC test (0-1)	0.6903
Contribution variables to the Maxent model (%)	
Precipitation of Warmest Quarter	48.869
Solar radiation	13.4084
Mean Temperature of Wettest Quarter	11.6554
Potential Evapotranspiration	7.685
Annual Precipitation	6.7515
Temperature Seasonality (stdev * 100)	6.2496
Precipitation Seasonality (coef. of var.)	2.7453
Soil pH	2.5529
Distance to water	0.0829
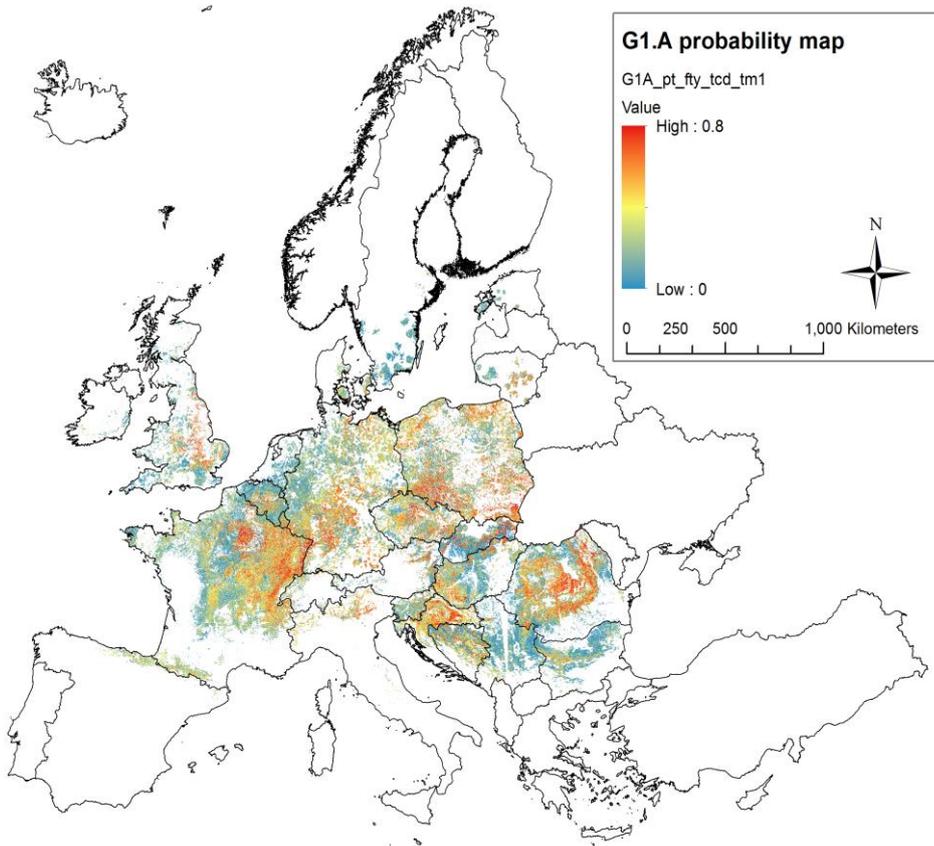
Distribution based on integration Maxent prediction and high resolution data
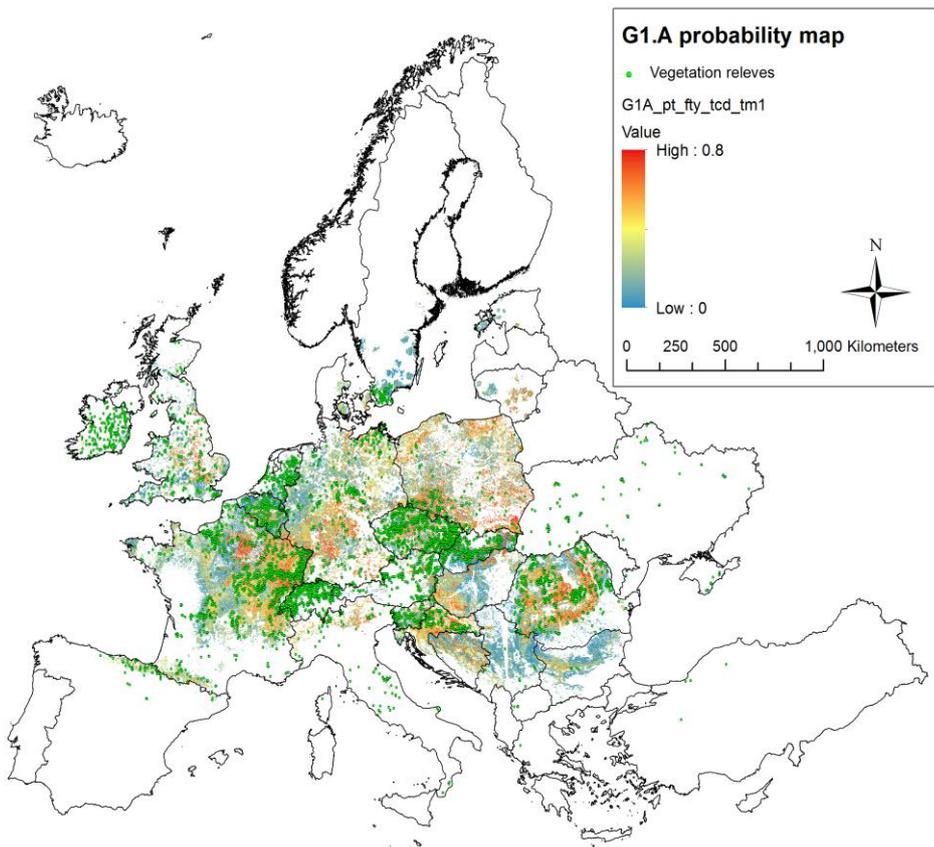
Distribution based on integration Maxent prediction and high resolution data + distribution of vegetation relevés
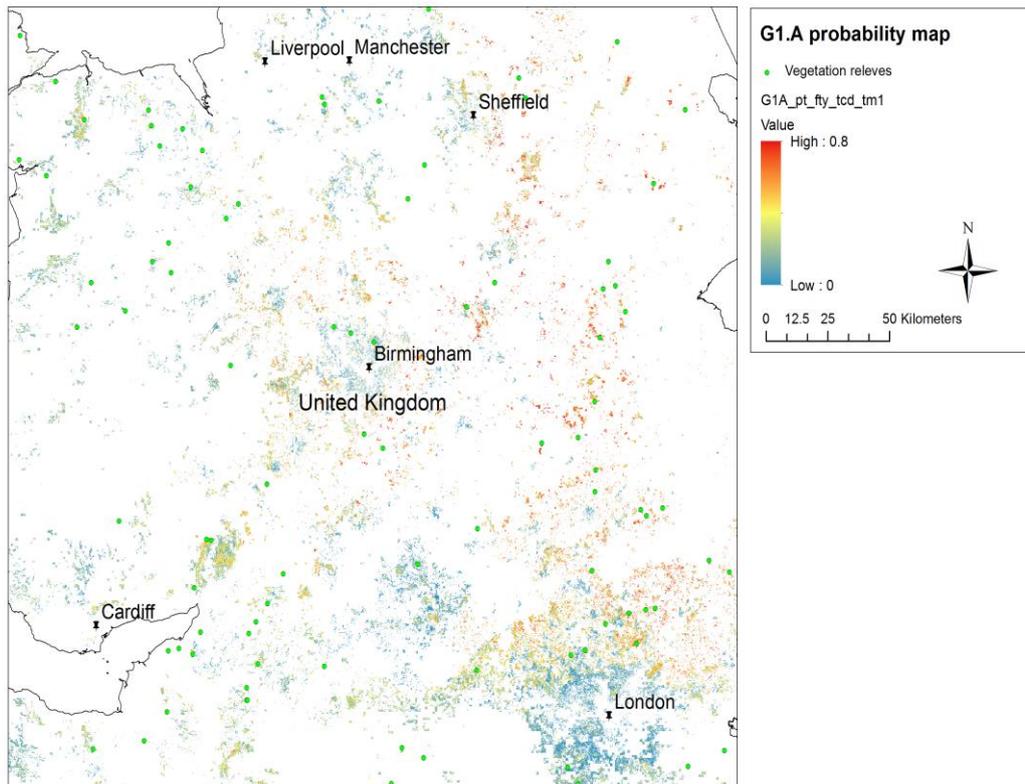
*Regional detail of final probability map*

Rules for modelling using high resolution data

Threshold 10‰ training presence	0.380
HRL Forest (fty)	1. broadleaved forest
Tree crown density (Tcd)	multiplied
Distance to river (m)	-
PNV	-
TREEMAPS (species)	Quercus Robur Petraea, Fagus sylvatica
TREEMAPS (threshold)	< 1 % threshold for Quercus and > 60% threshold for Fagus
Comment	-

G2.1 - Mediterranean evergreen Quercus woodland* [Mediterranean evergreen [Quercus] woodland]

Distribution based on vegetation relevés
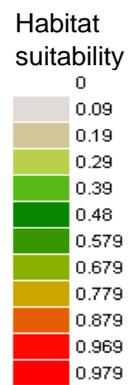
Habitat suitability

0
0.09
0.19
0.29
0.39
0.48
0.579
0.679
0.779
0.879
0.969
0.979

*Maxent prediction model. Background data randomly selected from the complete forest data set*

Statistics from Maxent modelling

|	
AUC training (0-1)	0.9184
AUC test (0-1)	0.9068
Contribution variables to the Maxent model (%)	
Precipitation of Warmest Quarter	58.7016
Potential Evapotranspiration	17.7312
Precipitation Seasonality (coef. of var.)	7.9341
Temperature Seasonality (stdev * 100)	7.5346
Mean Temperature of Wettest Quarter	7.2427
Soil pH	0.4114
Annual Precipitation	0.2254
Distance to water	0.1675
Solar radiation	0.0516
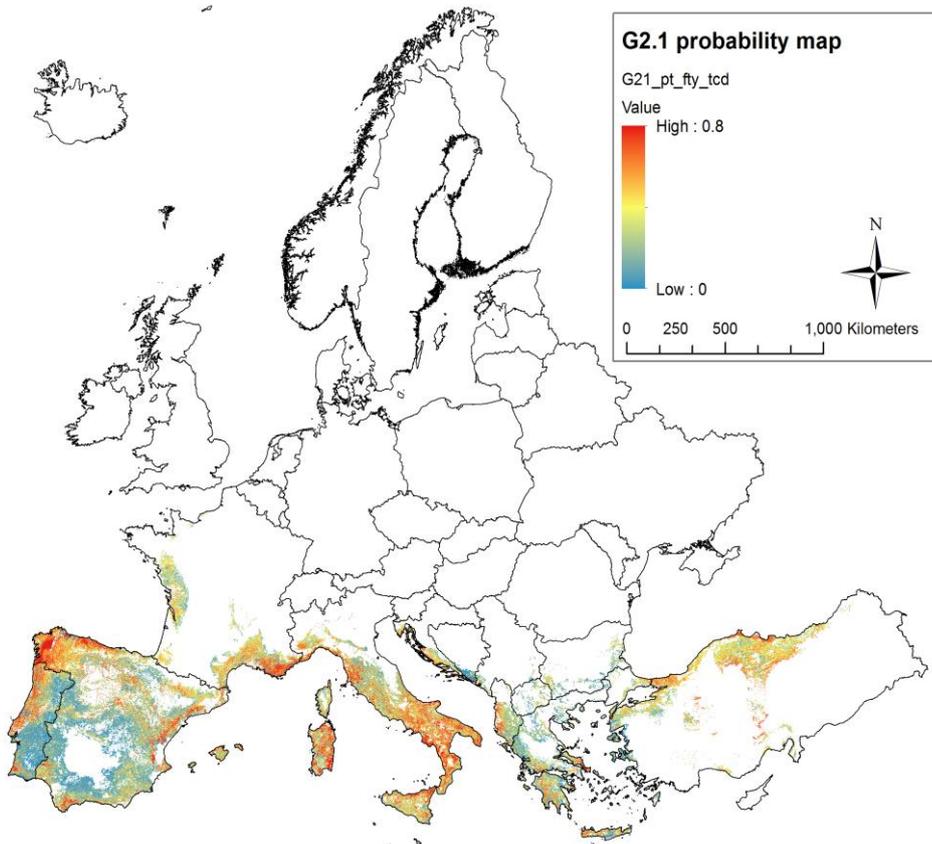
Distribution based on integration Maxent prediction and high resolution data
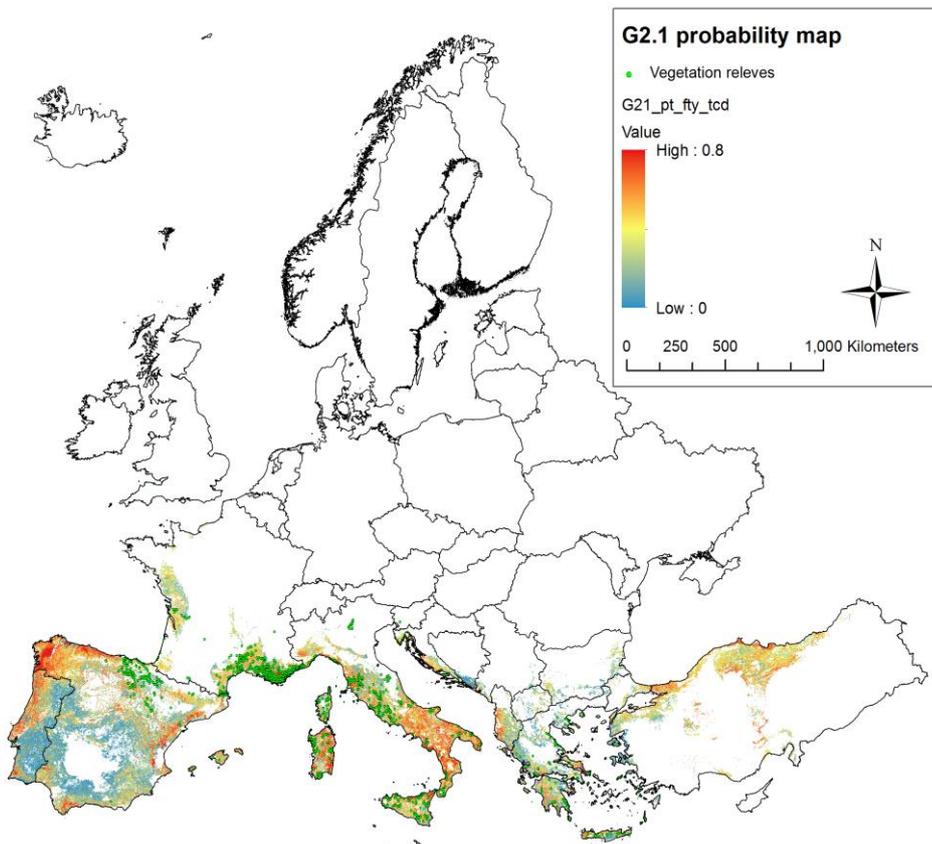
Distribution based on integration Maxent prediction and high resolution data + distribution of vegetation relevés
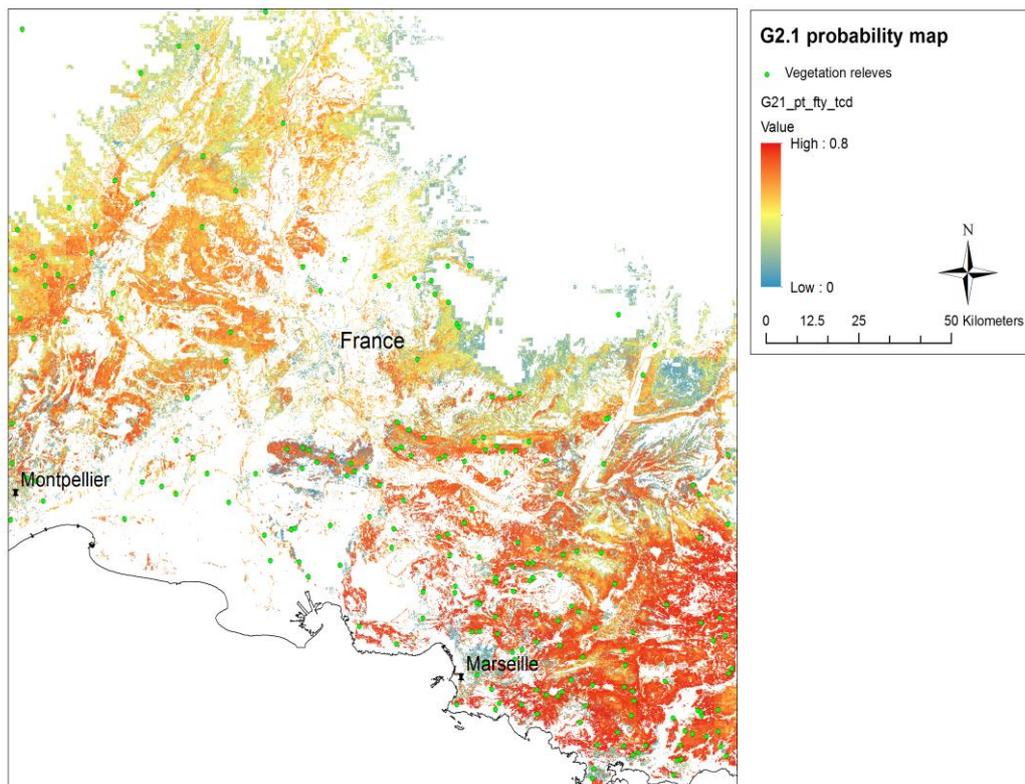
*Regional detail of final probability map*

Rules for modelling using high resolution data

Threshold 10‰ training presence	0.315
HRL Forest (fty)	2. coniferous forest
Tree crown density (Tcd)	multiplied
Distance to river (m)	-
PNV	-
TREEMAPS (species)	-
TREEMAPS (threshold)	-
Comment	-

G2.2 - Mainland lauriphyllous woodland* [Eurasian continental sclerophyllous woodland]

Comment
Not enough data to create a reliable model.

**G2.4 - Olea oleaster-Ceratonia siliqua woodland* [Olea europaea] - [Ceratonia siliqua] woodland]**

Distribution based on vegetation relevés
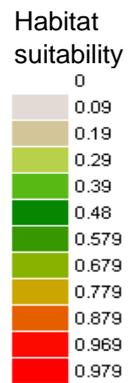
Maxent prediction model. Background data randomly selected from the study area

Statistics from Maxent modelling

AUC training (0-1)	0.9854
AUC test (0-1)	0.983
Contribution variables to the Maxent model (%)	
Temperature Seasonality (stdev * 100)	38.9364
Precipitation of Warmest Quarter	29.1226
Precipitation Seasonality (coef. of var.)	13.7568
Mean Temperature of Wettest Quarter	8.5614
Potential Evapotranspiration	3.6343
Distance to water	3.2349
Solar radiation	2.3759
Soil pH	0.2087
Annual Precipitation	0.1689
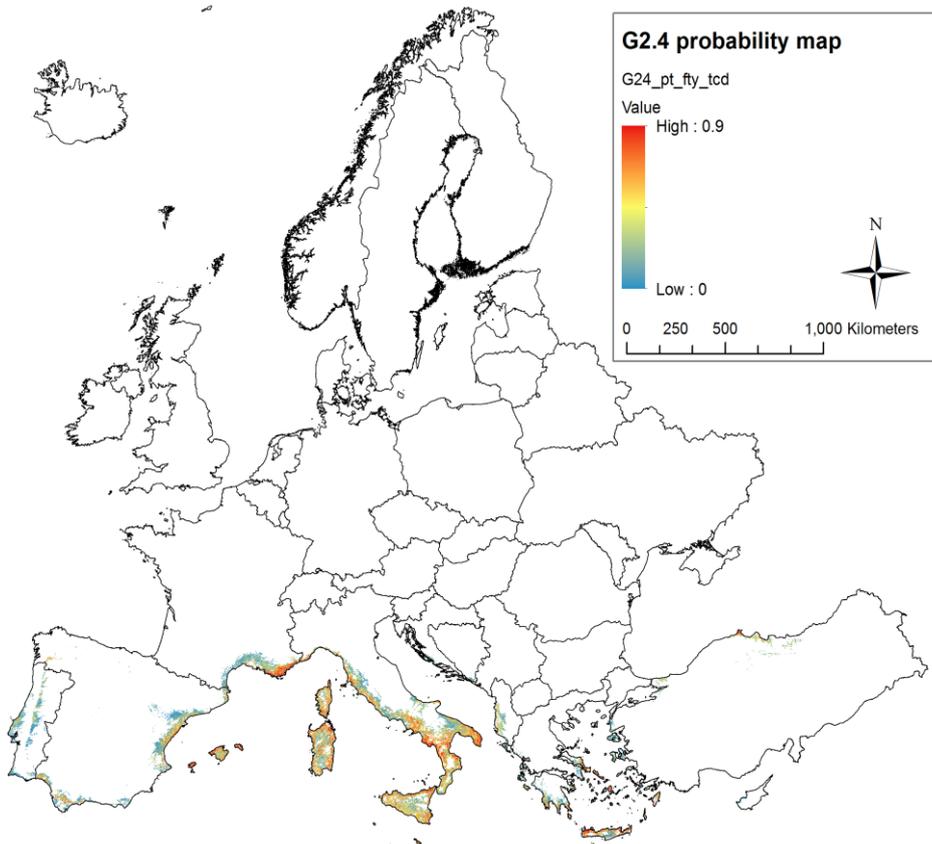
Distribution based on integration Maxent prediction and high resolution data
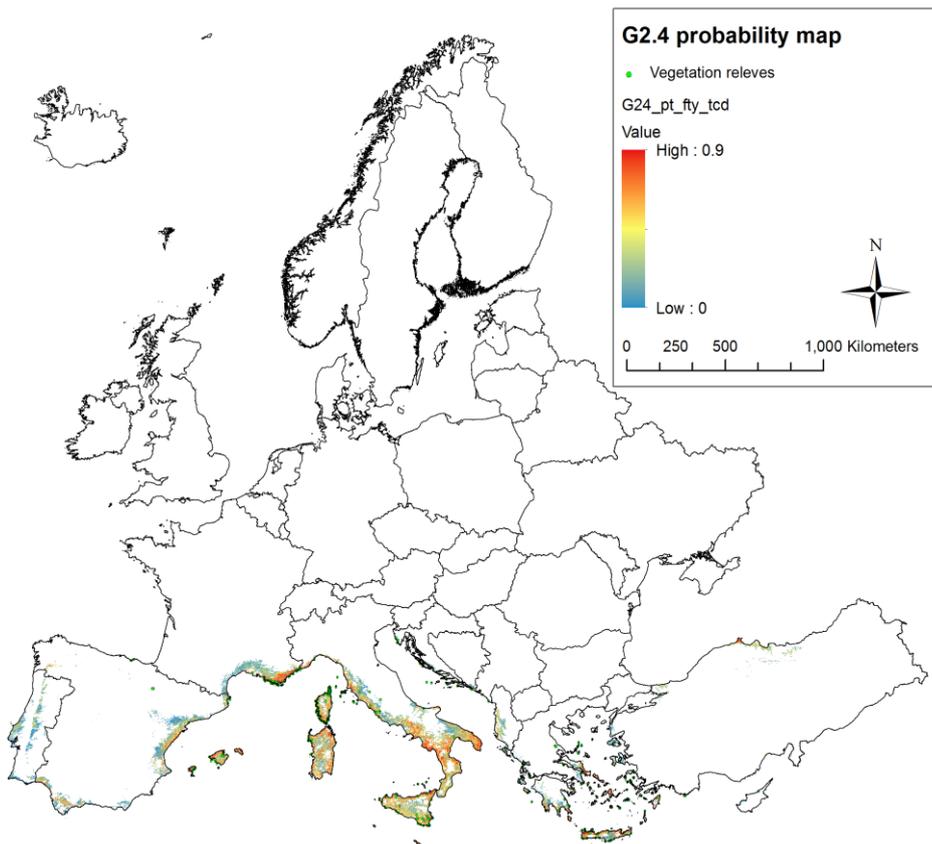
Distribution based on integration Maxent prediction and high resolution data + distribution of vegetation relevés
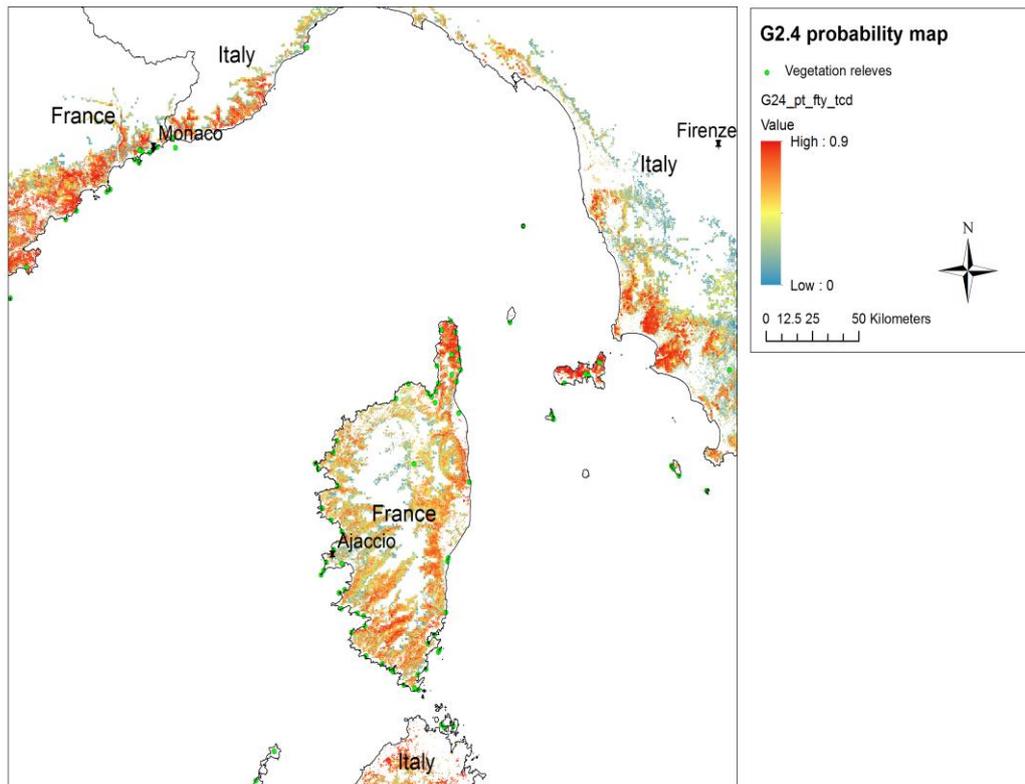
Regional detail of final probability map

Rules for modelling using high resolution data

Threshold 10‰ training presence	0.210
HRL Forest (fty)	2. coniferous forest
Tree crown density (Tcd)	multiplied
Distance to river (m)	-
PNV	-
TREEMAPS (species)	-
TREEMAPS (threshold)	-
Comment	-

G2.5 - Phoenix groves* [[Phoenix] groves]

Comment
Not enough data to create a reliable model.

G2.6 - Ilex aquifolium woodland* [[Ilex aquifolium] woods]

Distribution based on vegetation relevés
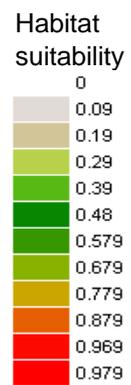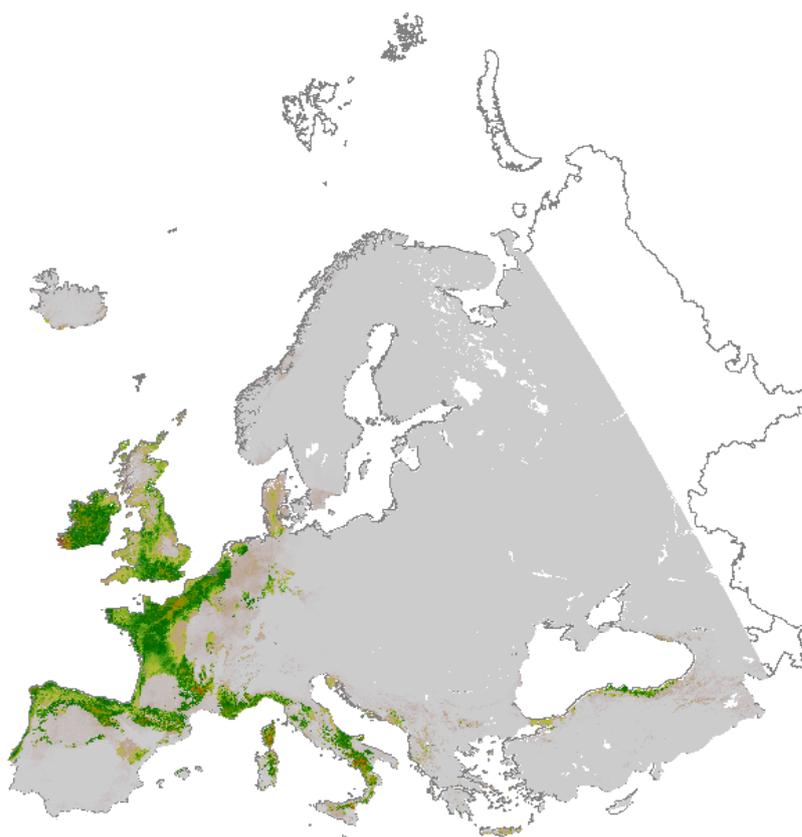
Habitat
suitability

	0
	0.09
	0.19
	0.29
	0.39
	0.48
	0.579
	0.679
	0.779
	0.879
	0.969
	0.979

Maxent prediction model. Background data randomly selected from the study area

Statistics from Maxent modelling

AUC training (0-1)	0.975
AUC test (0-1)	0.9567
Contribution variables to the Maxent model (%)	
Temperature Seasonality (stdev * 100)	57.3421
Potential Evapotranspiration	19.9521
Mean Temperature of Wettest Quarter	14.5124
Precipitation of Warmest Quarter	3.1735
Solar radiation	1.5147
Precipitation Seasonality (coef. of var.)	1.5128
Annual Precipitation	1.481
Soil pH	0.3936
Distance to water	0.1179
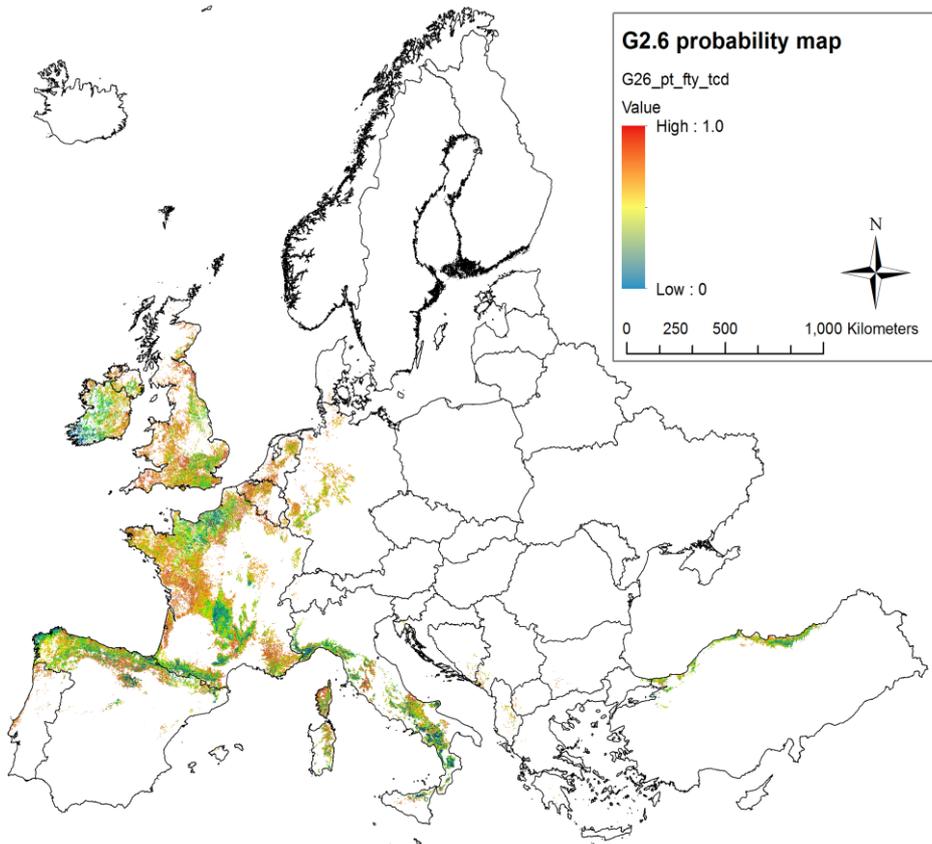
Distribution based on integration Maxent prediction and high resolution data
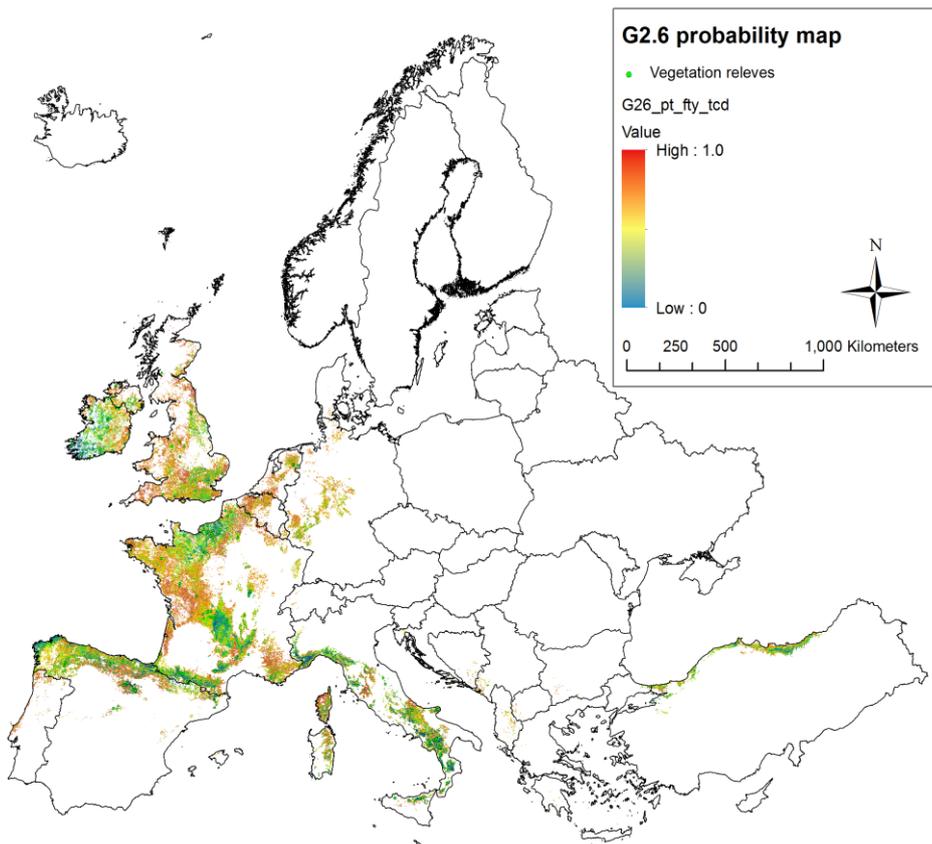
Distribution based on integration Maxent prediction and high resolution data + distribution of vegetation relevés
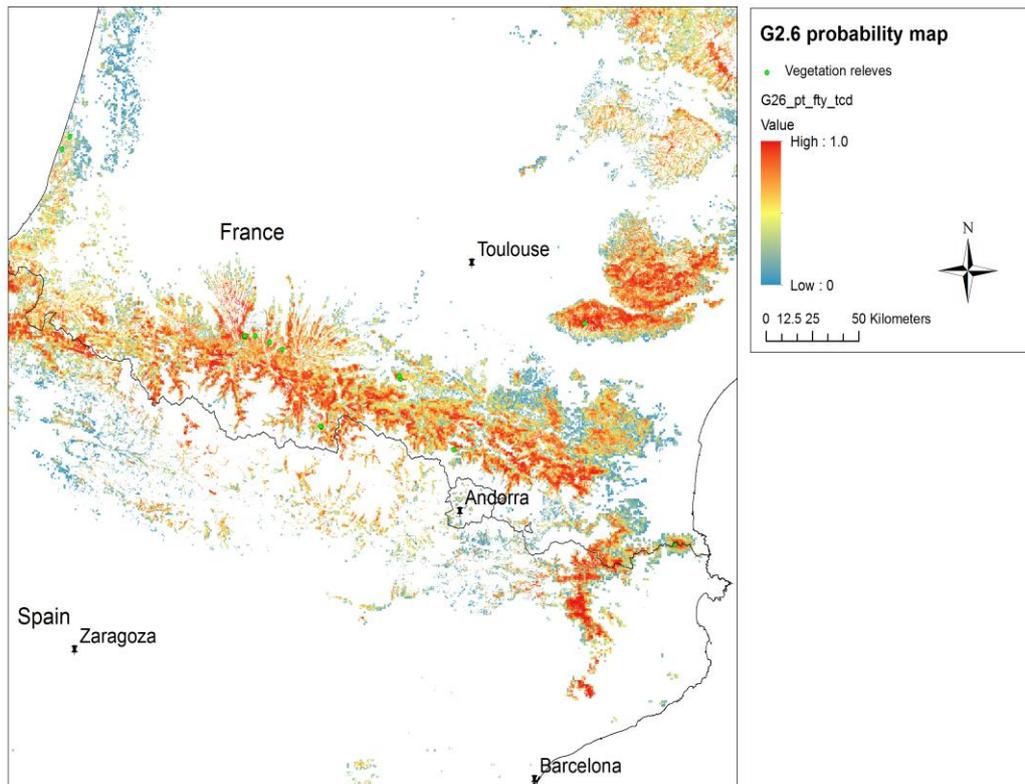
Regional detail of final probability map

Rules for modelling using high resolution data

Threshold 10‰ training presence	0.316
HRL Forest (fty)	2. coniferous forest
Tree crown density (Tcd)	multiplied
Distance to river (m)	-
PNV	-
TREEMAPS (species)	-
TREEMAPS (threshold)	-
Comment	-

G3.1a - Temperate mountain Picea woodland

Distribution based on vegetation relevés
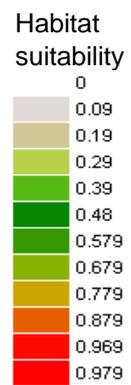
Habitat suitability

	0
	0.09
	0.19
	0.29
	0.39
	0.48
	0.579
	0.679
	0.779
	0.879
	0.969
	0.979

Maxent prediction model. Background data randomly selected from the study area

Statistics from Maxent modelling

AUC training (0-1)	0.9085
AUC test (0-1)	0.9115
Contribution variables to the Maxent model (%)	
Precipitation of Warmest Quarter	69.6796
Temperature Seasonality (stdev * 100)	19.2195
Potential Evapotranspiration	10.1659
Precipitation Seasonality (coef. of var.)	0.4403
Annual Precipitation	0.2503
Solar radiation	0.1241
Mean Temperature of Wettest Quarter	0.0561
Distance to water	0.0463
Soil pH	0.018
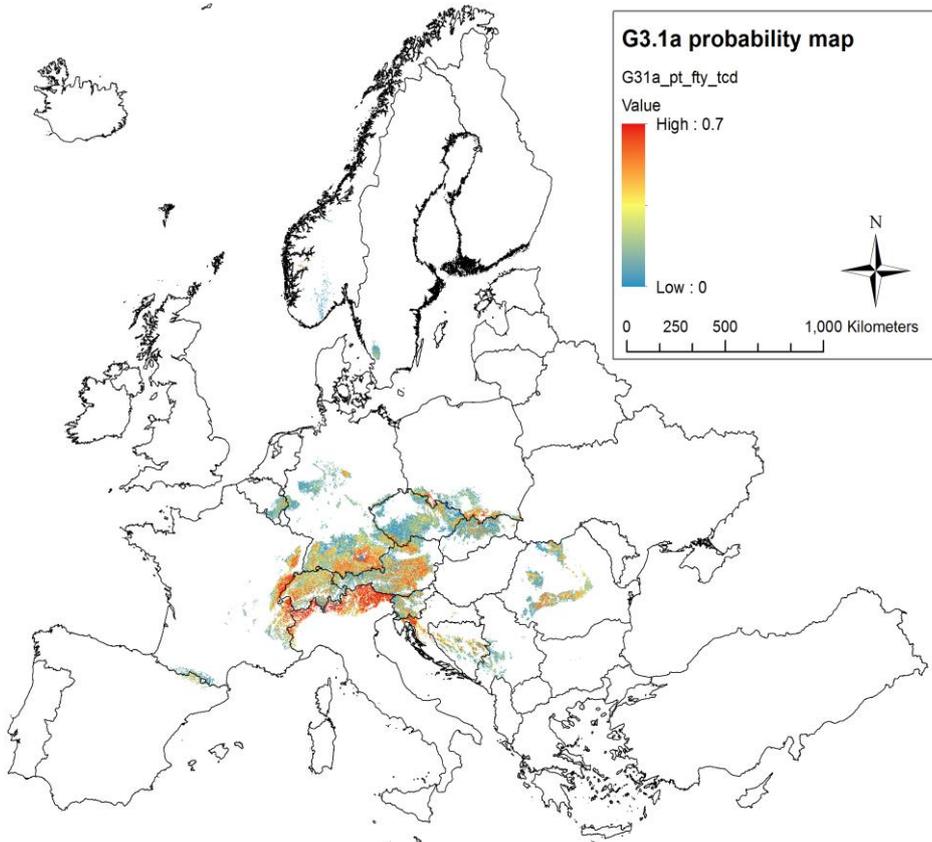
Distribution based on integration Maxent prediction and high resolution data
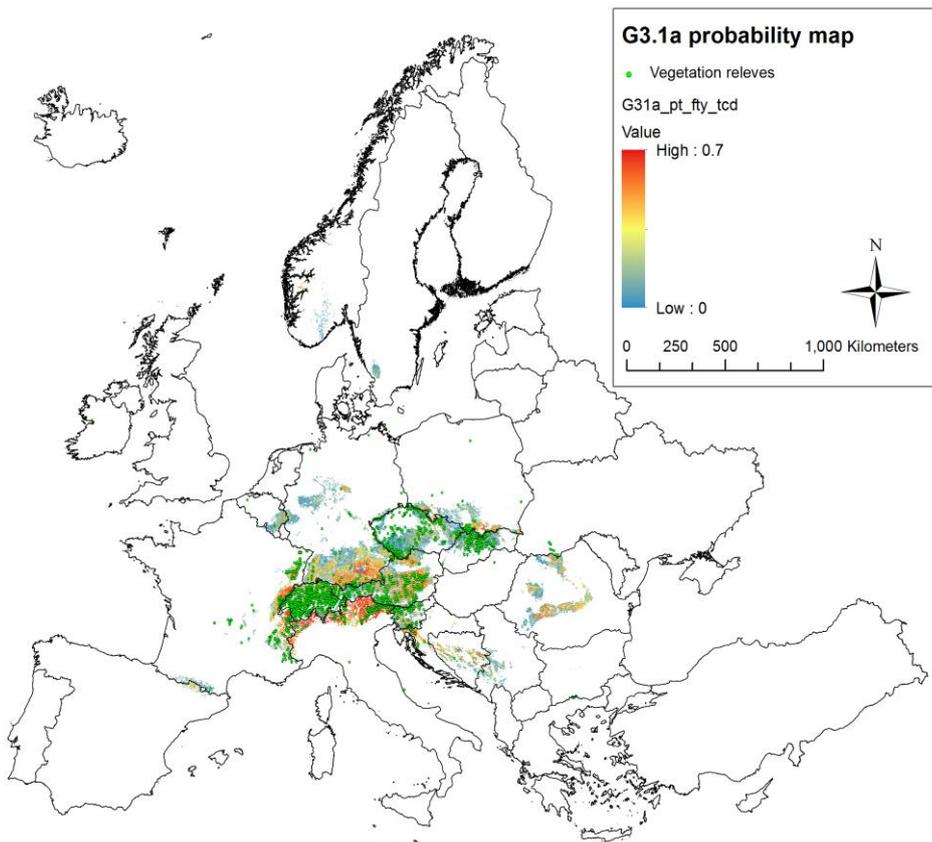
Distribution based on integration Maxent prediction and high resolution data + distribution of vegetation relevés
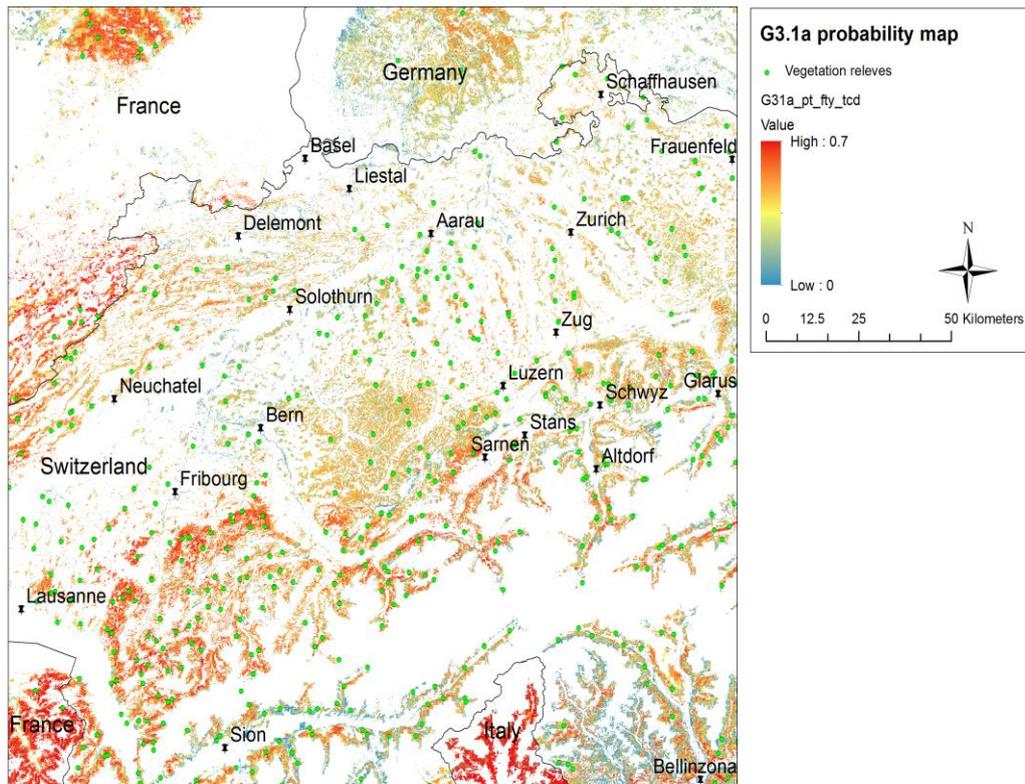
*Regional detail of final probability map*

Rules for modelling using high resolution data

Threshold 10‰ training presence	0.379
HRL Forest (fty)	2. coniferous forest
Tree crown density (Tcd)	multiplied
Distance to river (m)	-
PNV	-
TREEMAPS (species)	-
TREEMAPS (threshold)	Abies Spp
Comment	Turkey added to TREEMAPS

G3.1b - Temperate mountain Abies woodland

Distribution based on vegetation relevés
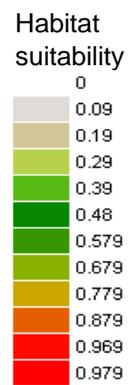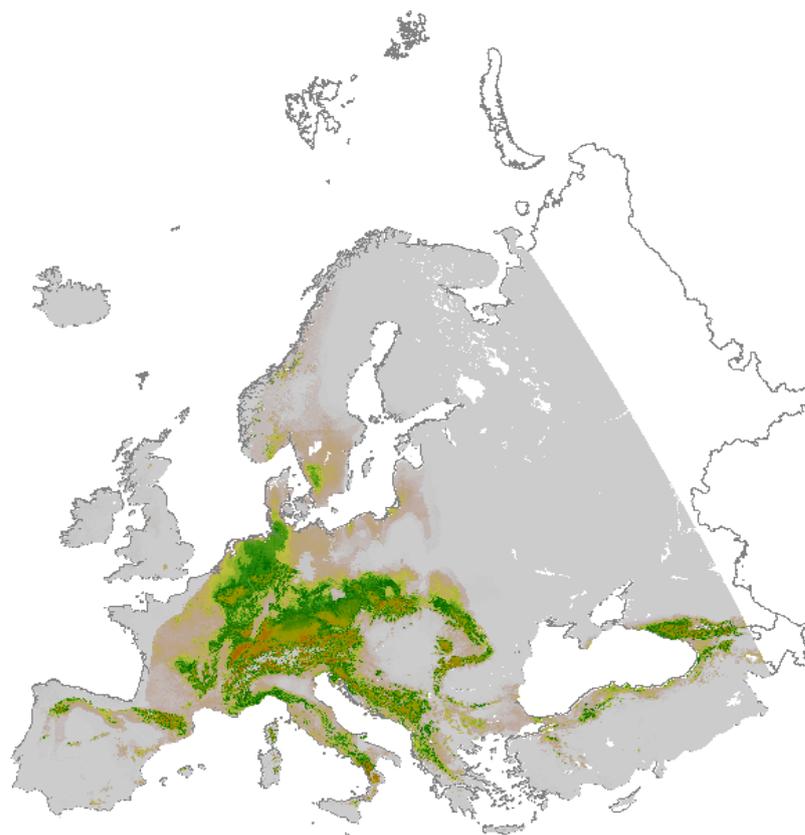
Habitat
suitability

0
0.09
0.19
0.29
0.39
0.48
0.579
0.679
0.779
0.879
0.969
0.979

Maxent prediction model. Background data randomly selected from the study area

Statistics from Maxent modelling

AUC training (0-1)	0.9028
AUC test (0-1)	0.9051

Contribution variables to the Maxent model (%)

Temperature Seasonality (stdev * 100)	34.5811
Precipitation of Warmest Quarter	31.3979
Potential Evapotranspiration	15.594
Annual Precipitation	14.8453
Solar radiation	2.0337
Precipitation Seasonality (coef. of var.)	1.027
Mean Temperature of Wettest Quarter	0.3405
Distance to water	0.1393
Soil pH	0.0413
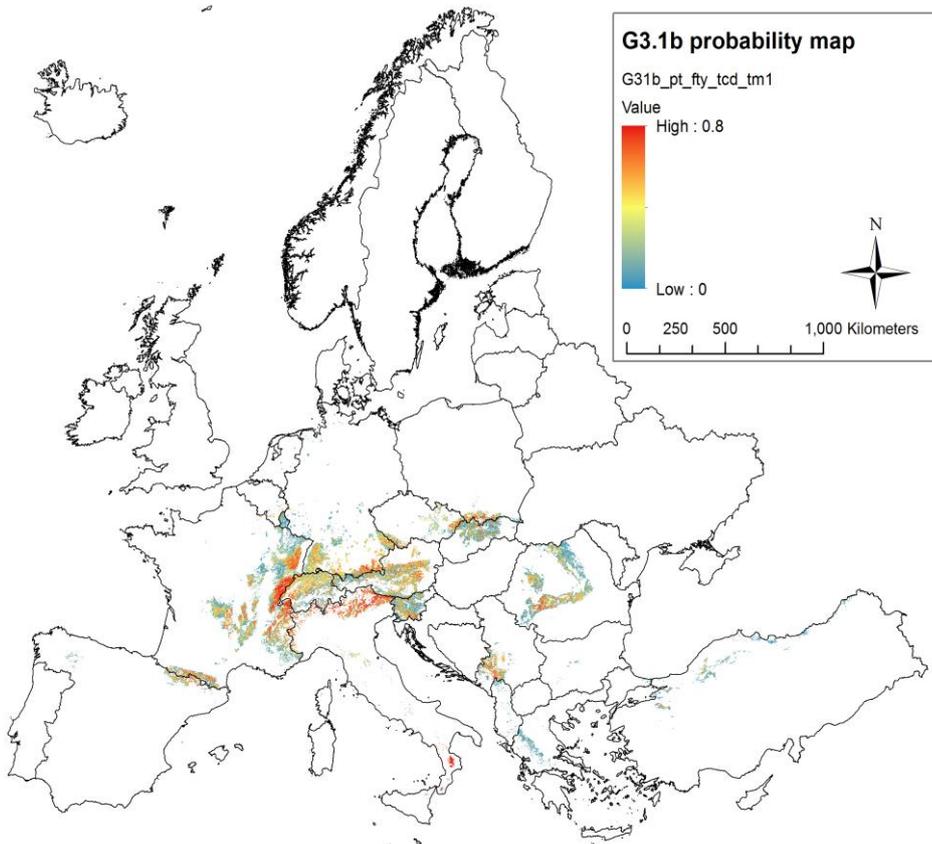
Distribution based on integration Maxent prediction and high resolution data
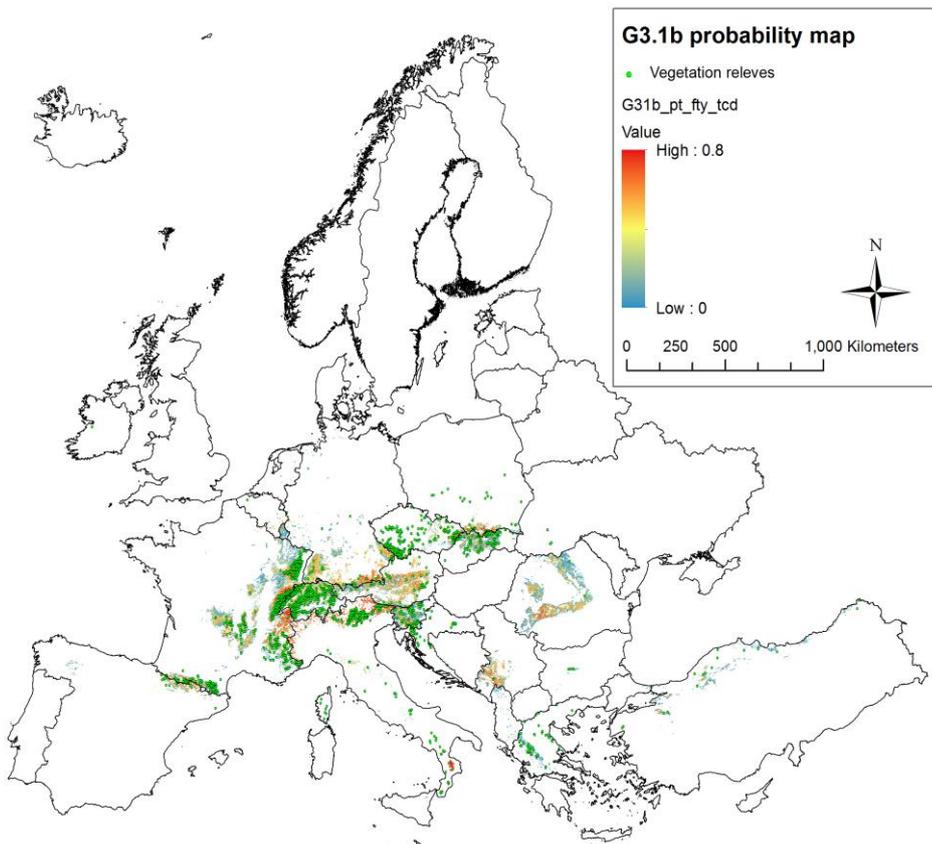
Distribution based on integration Maxent prediction and high resolution data + distribution of vegetation relevés
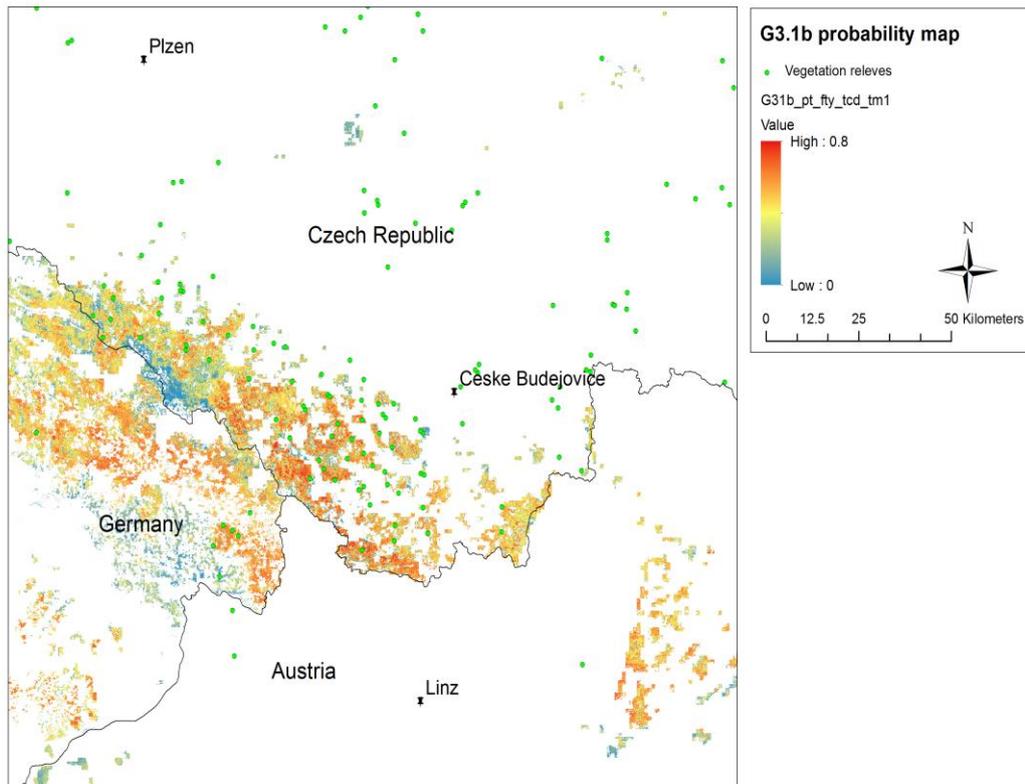
Regional detail of final probability map

Rules for modelling using high resolution data

Threshold 10‰ training presence	0.319
HRL Forest (fty)	2. coniferous forest
Tree crown density (Tcd)	multiplied
Distance to river (m)	-
PNV	-
TREEMAPS (species)	-
TREEMAPS (threshold)	-
Comment	-

G3.1c - Mediterranean mountain Abies woodland

Comment
Not enough data to create a reliable model.

G3.2 - Temperate subalpine Larix-Pinus woodland* [Alpine [Larix] - [Pinus cembra] woodland]

Distribution based on vegetation relevés

Habitat suitability

0
0.09
0.19
0.29
0.39
0.48
0.579
0.679
0.779
0.879
0.969
0.979

Maxent prediction model. Background data randomly selected from the study area
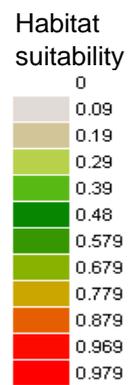
Statistics from Maxent modelling

AUC training (0-1)	0.9679
AUC test (0-1)	0.9613

Contribution variables to the Maxent model (%)

Annual Precipitation	58.0386
Temperature Seasonality (stdev * 100)	18.8005
Potential Evapotranspiration	15.6623
Precipitation of Warmest Quarter	5.9122
Precipitation Seasonality (coef. of var.)	0.6514
Distance to water	0.4643
Solar radiation	0.2095
Soil pH	0.1338
Mean Temperature of Wettest Quarter	0.1274
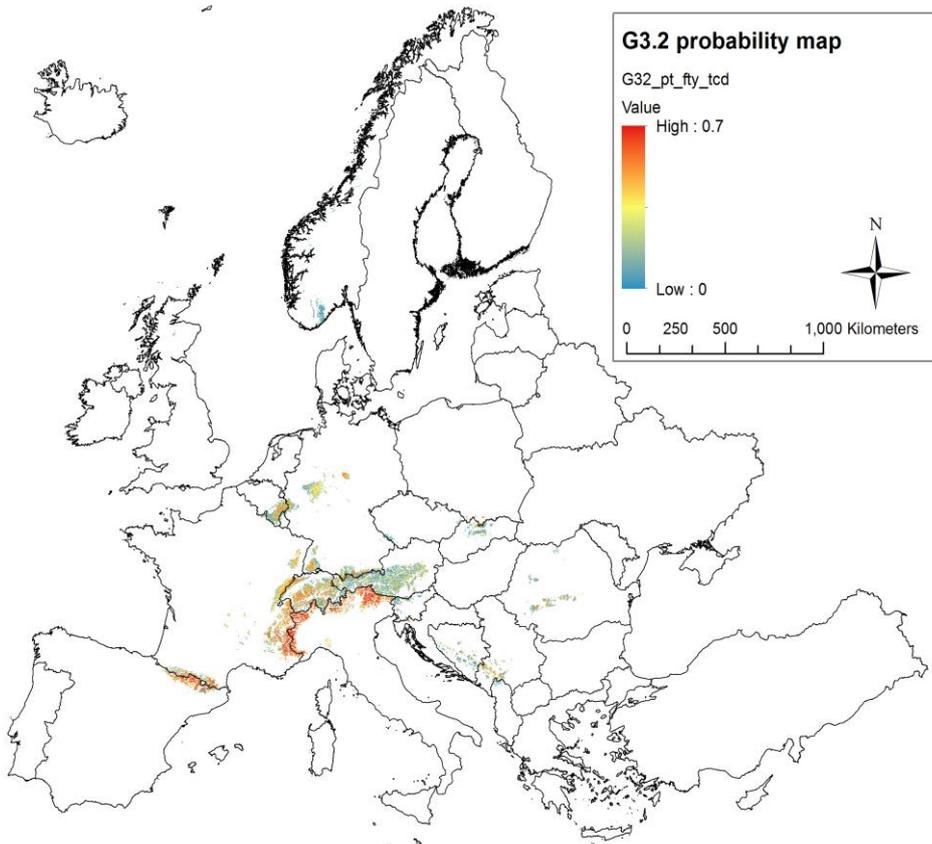
Distribution based on integration Maxent prediction and high resolution data
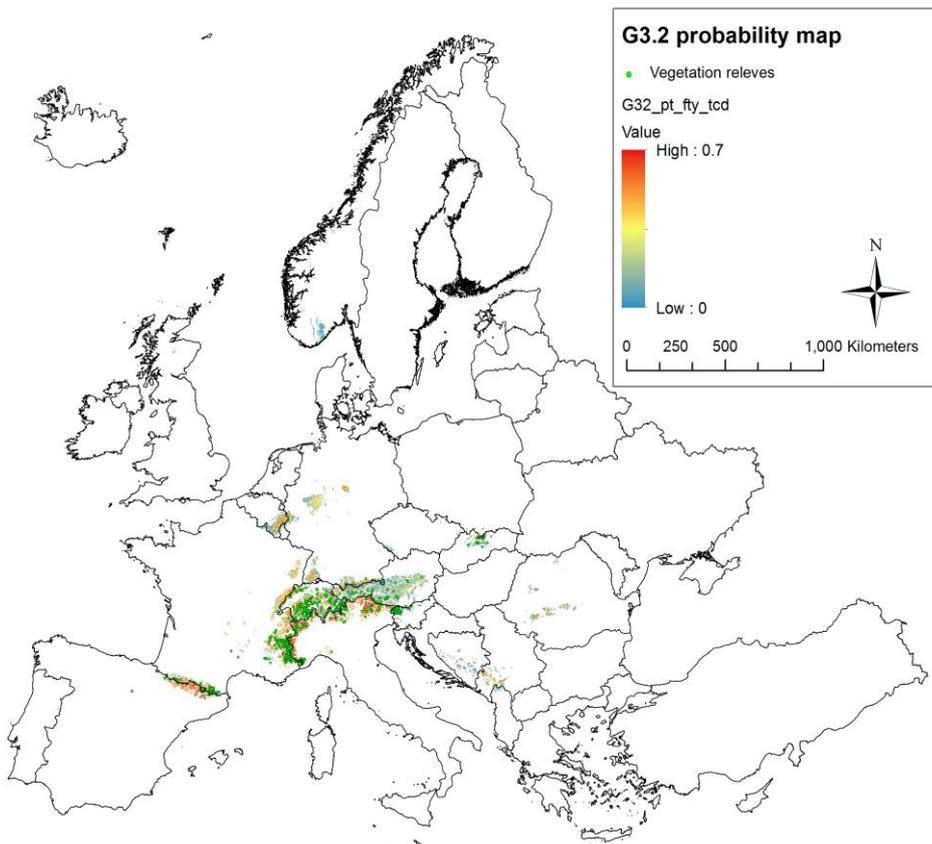
Distribution based on integration Maxent prediction and high resolution data + distribution of vegetation relevés
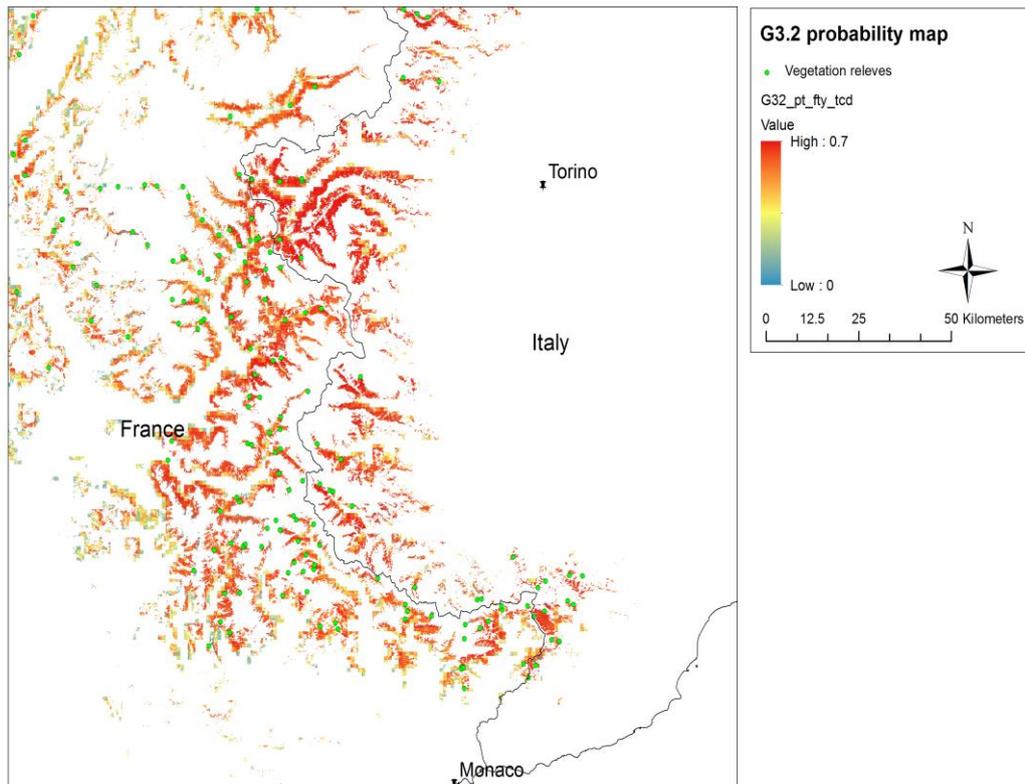
Regional detail of final probability map

Rules for modelling using high resolution data

Threshold 10‰ training presence	0.352
HRL Forest (fty)	2. coniferous forest
Tree crown density (Tcd)	-
Distance to river (m)	-
PNV	-
TREEMAPS (species)	-
TREEMAPS (threshold)	-
Comment	-

G3.4a - Temperate continental Pinus sylvestris woodland
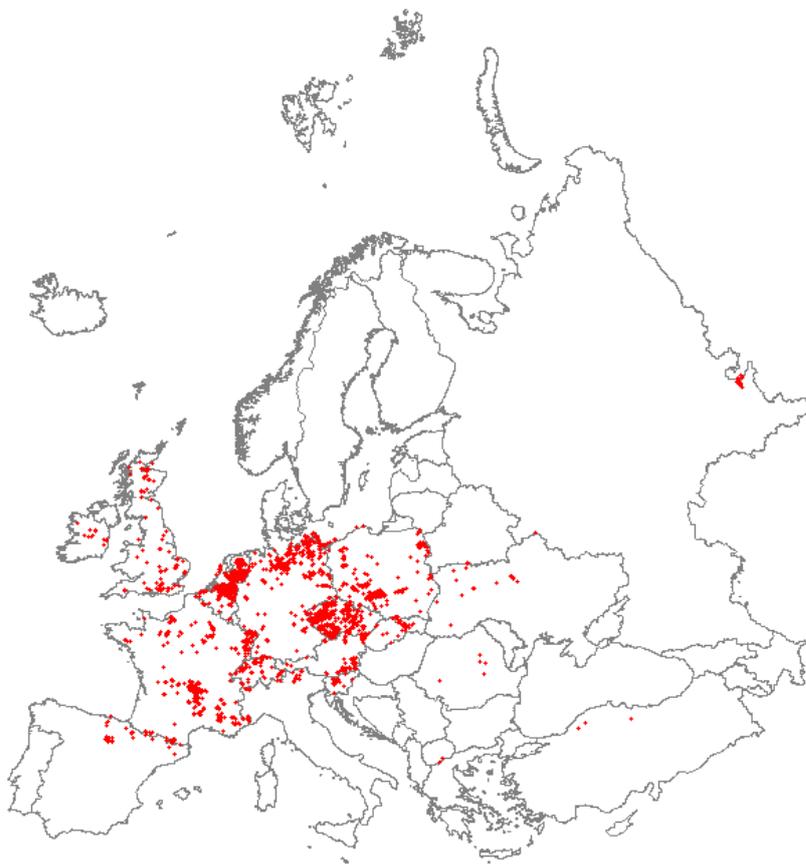
Distribution based on vegetation relevés
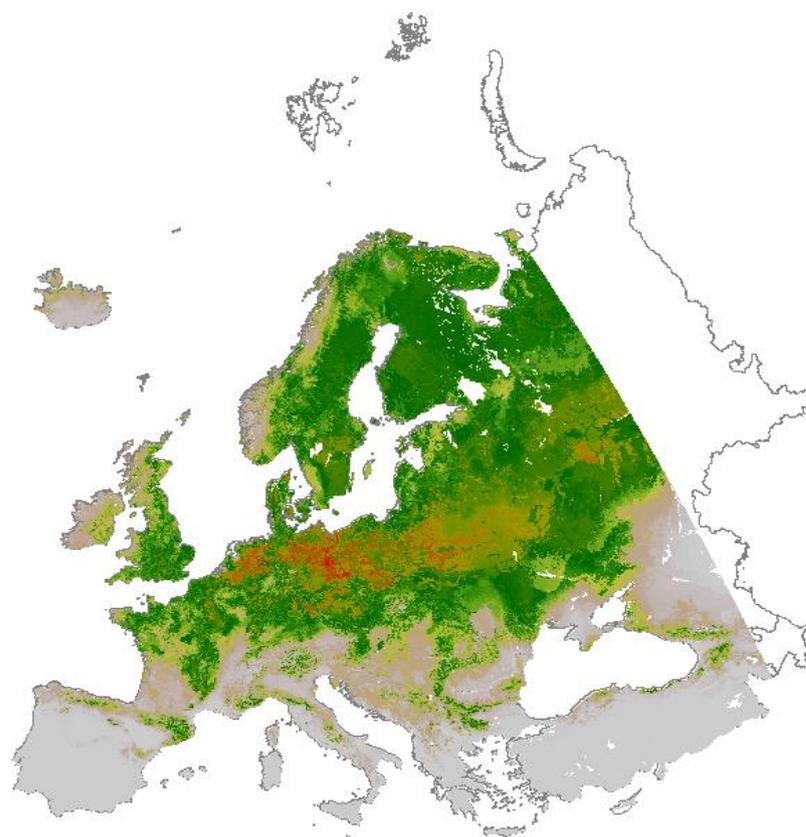
Habitat suitability

	0
	0.09
	0.19
	0.29
	0.39
	0.48
	0.579
	0.679
	0.779
	0.879
	0.969
	0.979

Maxent prediction model. Background data randomly selected from the complete forest data set

Statistics from Maxent modelling

AUC training (0-1)	0.8068
AUC test (0-1)	0.7929
Contribution variables to the Maxent model (%)	
Potential Evapotranspiration	23.9712
Annual Precipitation	21.6615
Soil pH	16.9529
Mean Temperature of Wettest Quarter	15.5528
Precipitation of Warmest Quarter	13.583
Temperature Seasonality (stdev * 100)	4.9024
Precipitation Seasonality (coef. of var.)	1.8676
Solar radiation	1.3987
Distance to water	0.11
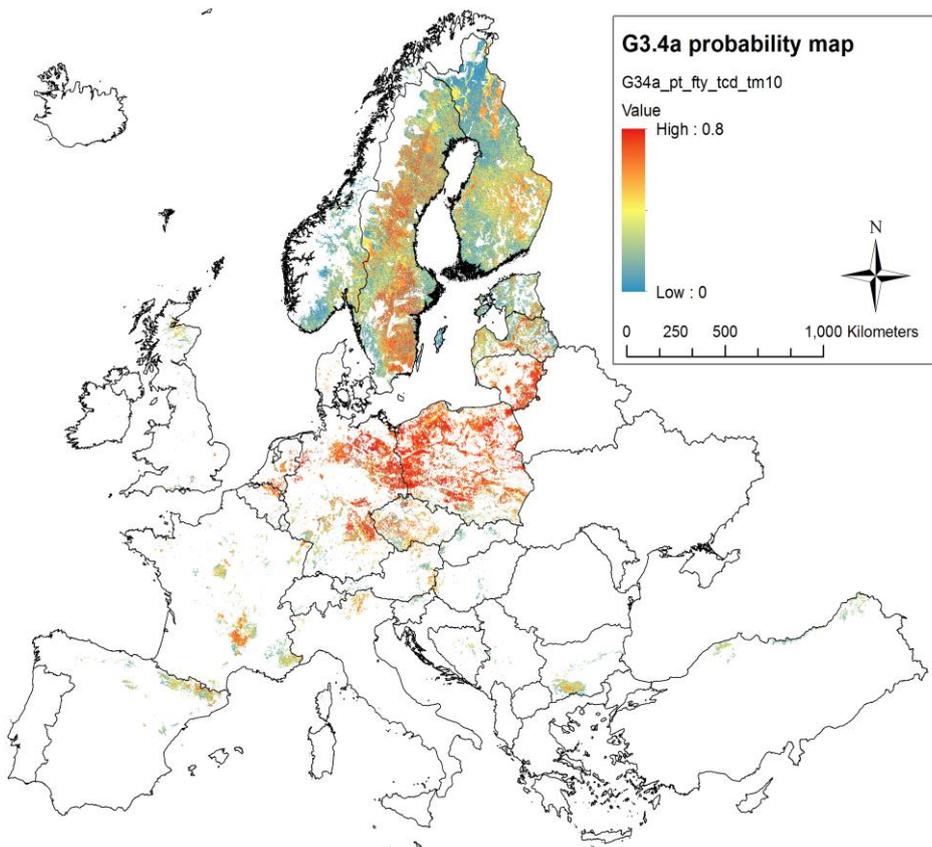
Distribution based on integration Maxent prediction and high resolution data
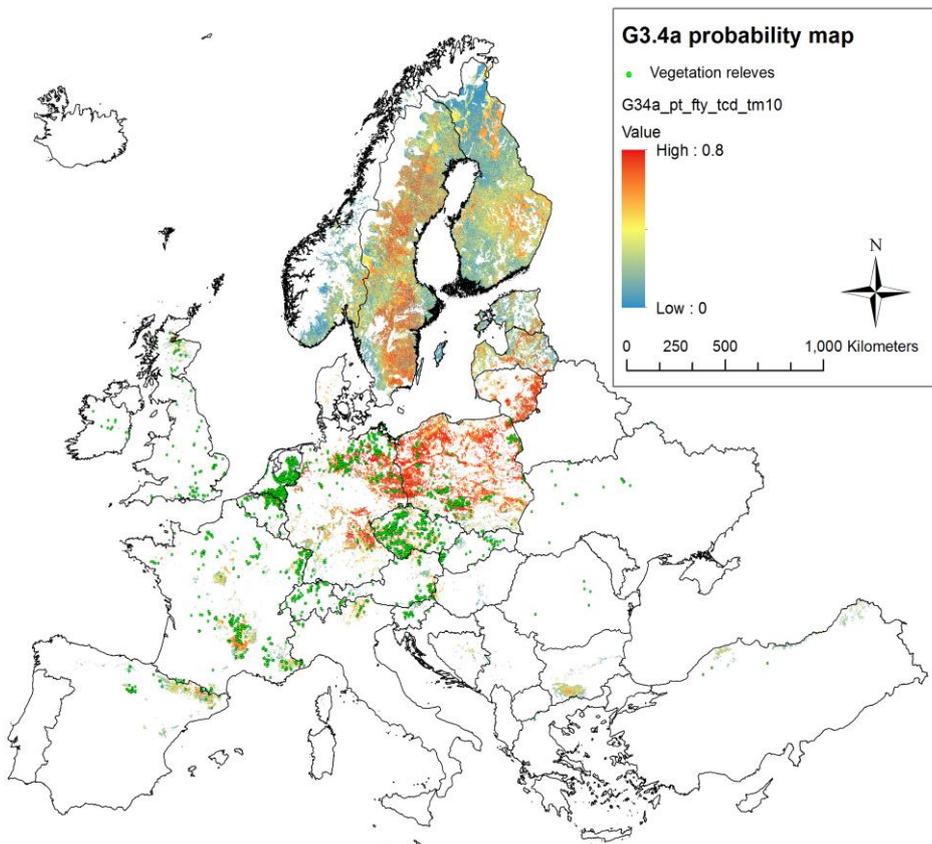
Distribution based on integration Maxent prediction and high resolution data + distribution of vegetation relevés
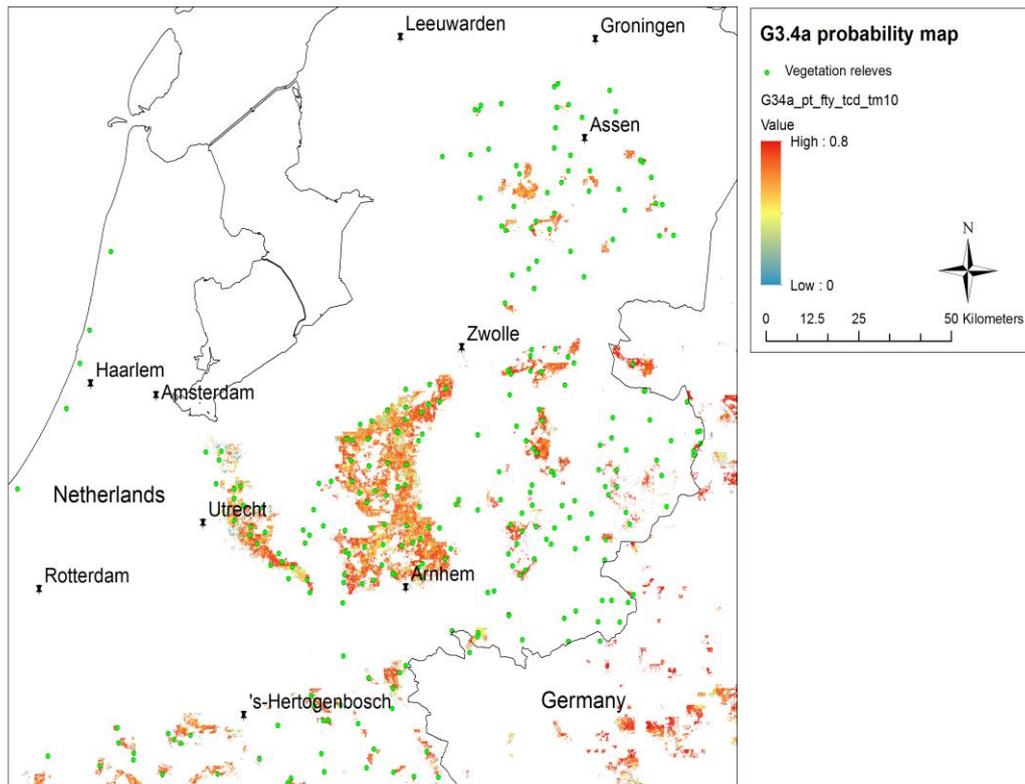
*Regional detail of final probability map*

Rules for modelling using high resolution data

Threshold 10‰ training presence	0.263
HRL Forest (fty)	2. coniferous forest
Tree crown density (Tcd)	multiplied
Distance to river (m)	-
PNV	-
TREEMAPS (species)	-
TREEMAPS (threshold)	Pinus sylvestris
Comment	Turkey added to TREEMAPS

G3.4b - Temperate and submediterranean montane Pinus sylvestris-nigra woodland

Distribution based on vegetation relevés
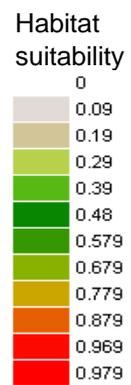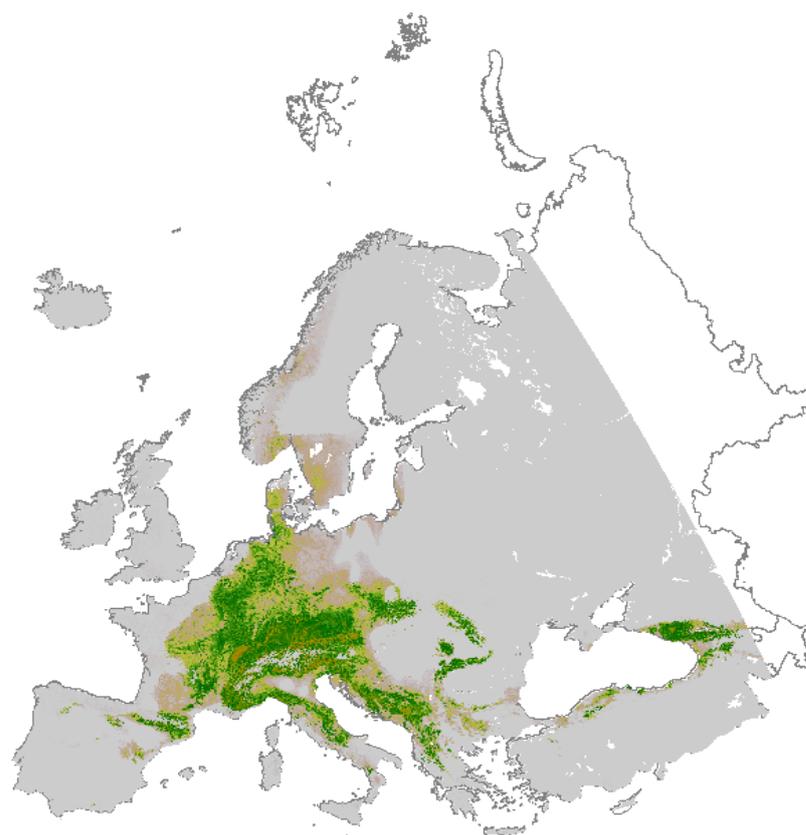
Habitat suitability

	0
	0.09
	0.19
	0.29
	0.39
	0.48
	0.579
	0.679
	0.779
	0.879
	0.969
	0.979

Maxent prediction model. Background data randomly selected from the study area

Statistics from Maxent modelling

AUC training (0-1)	0.9407
AUC test (0-1)	0.9227
Contribution variables to the Maxent model (%)	
Temperature Seasonality (stdev * 100)	43.4162
Annual Precipitation	22.076
Precipitation of Warmest Quarter	12.9617
Potential Evapotranspiration	11.6566
Soil pH	5.7035
Distance to water	2.2883
Solar radiation	1.2367
Precipitation Seasonality (coef. of var.)	0.5145
Mean Temperature of Wettest Quarter	0.1465
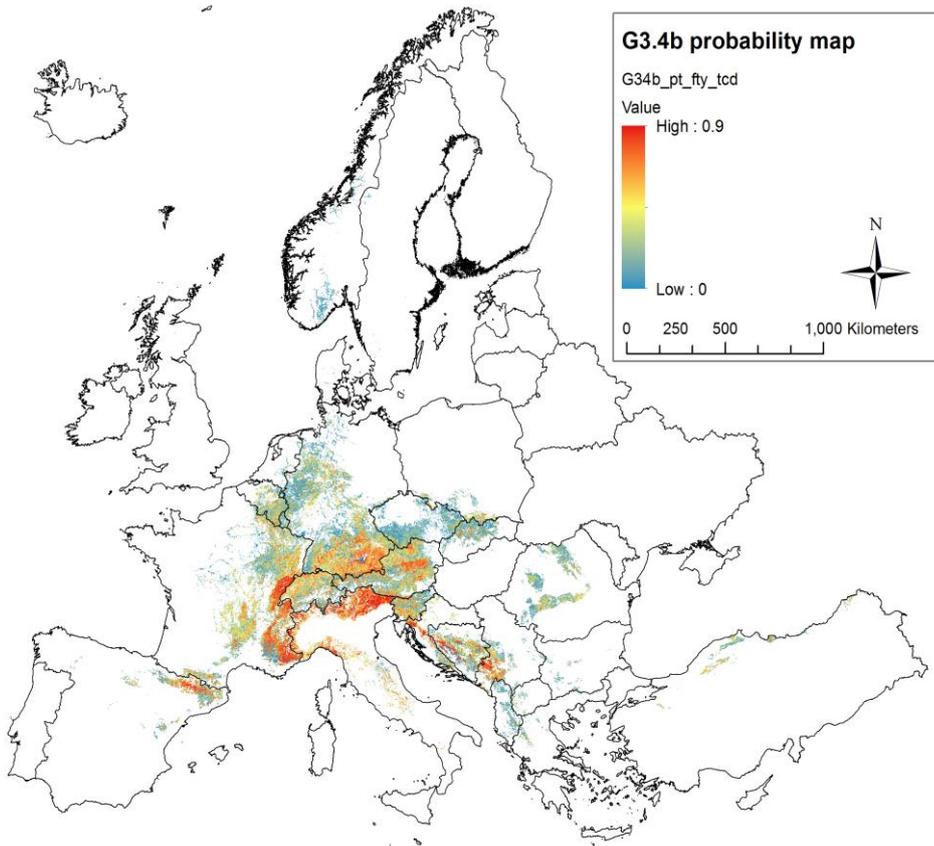
Distribution based on integration Maxent prediction and high resolution data
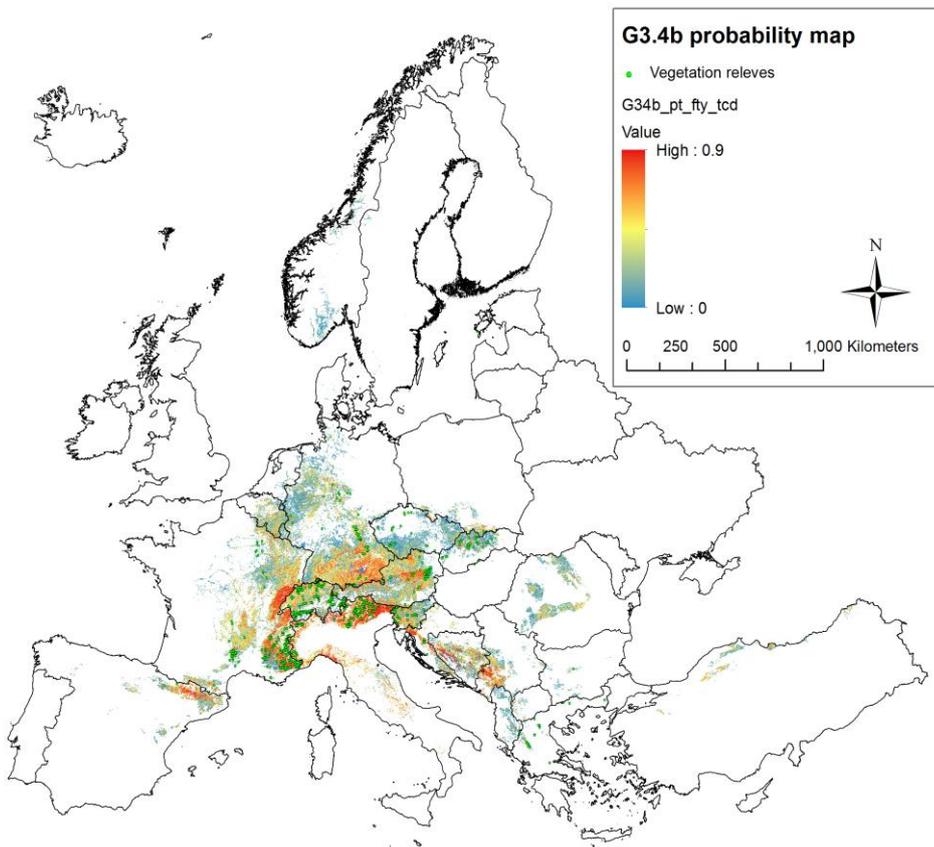
Distribution based on integration Maxent prediction and high resolution data + distribution of vegetation relevés
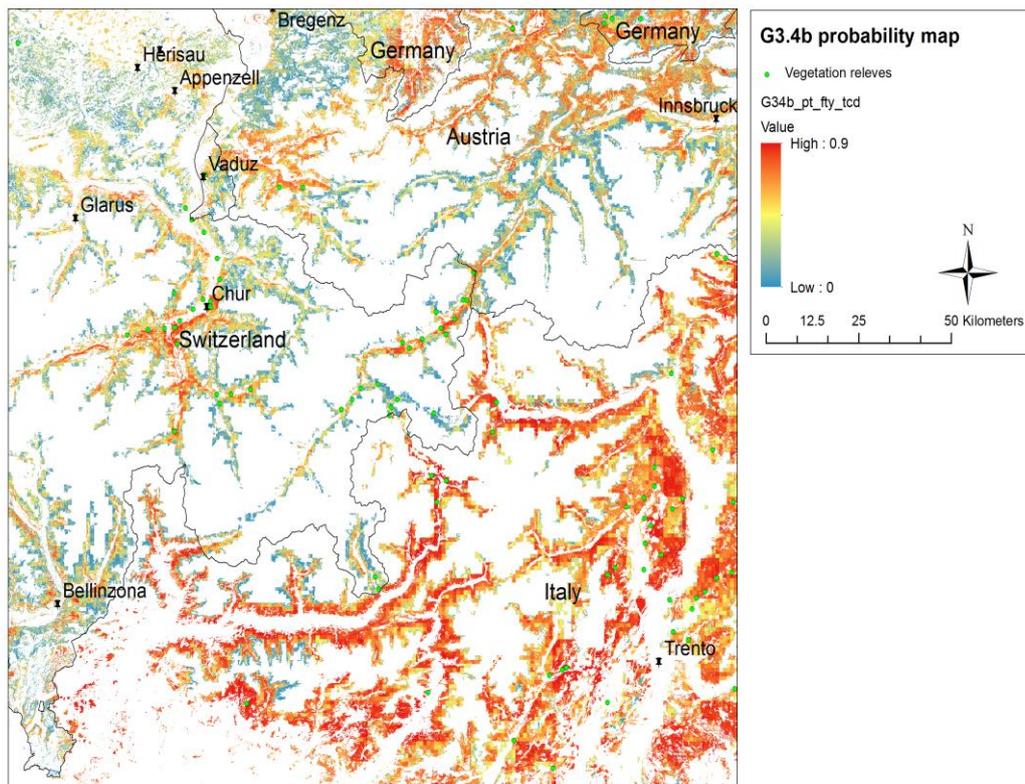
Regional detail of final probability map

Rules for modelling using high resolution data

Threshold 10‰ training presence	0.325
HRL Forest (fty)	2. coniferous forest
Tree crown density (Tcd)	multiplied
Distance to river (m)	-
PNV	-
TREEMAPS (species)	-
TREEMAPS (threshold)	-
Comment	-

G3.4c - Mediterranean montane Pinus sylvestris-nigra woodland

Comment
Not enough data to create a reliable model.

G3.6 - Mediterranean and Balkan subalpine Pinus heldreichii-peucis woodland* [balpine
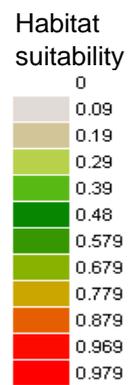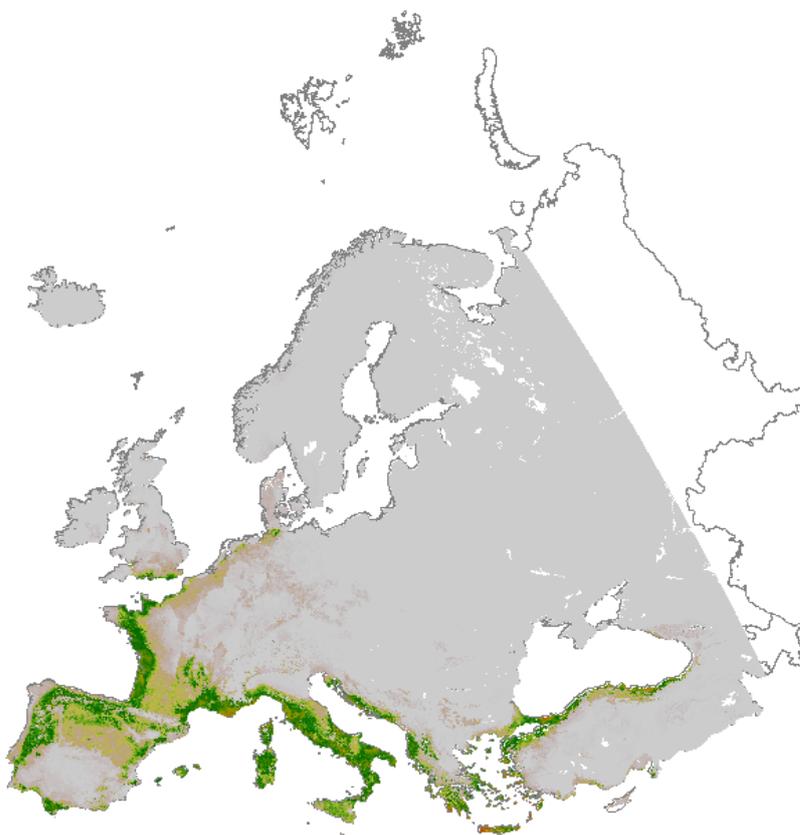

Comment
Not enough data to create a reliable model.

G3.7 - Mediterranean lowland to submontane Pinus woodland* [Lowland to montane mediterranean [Pinus] woodland (excluding [Pinus nigra])]
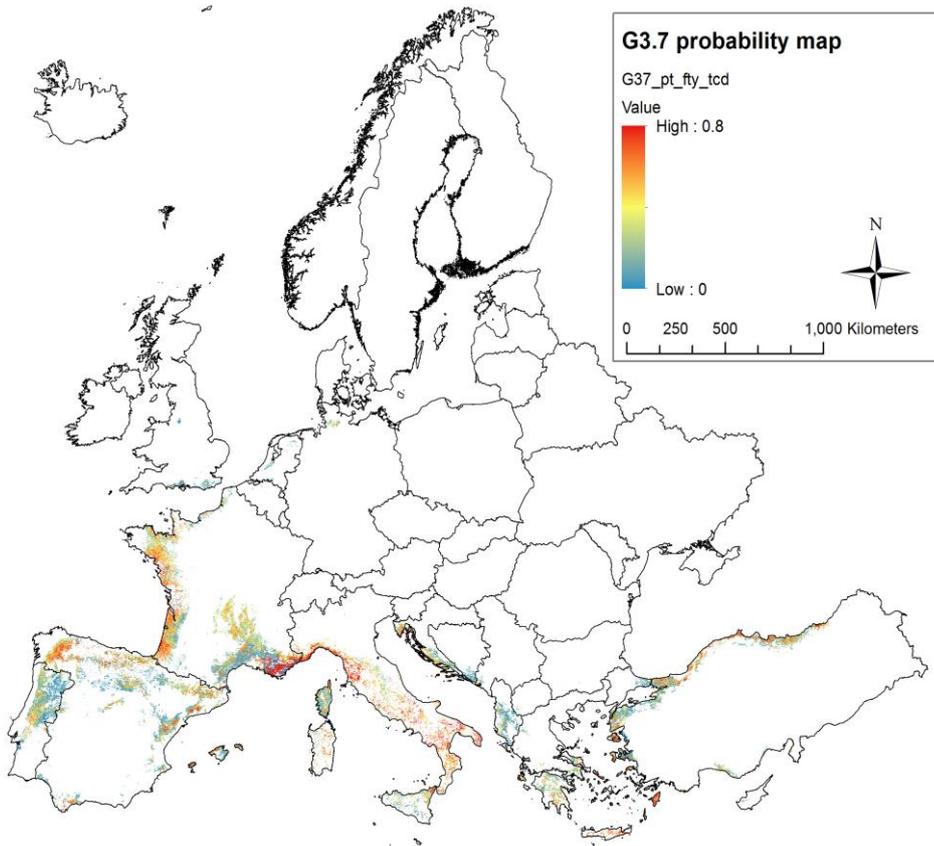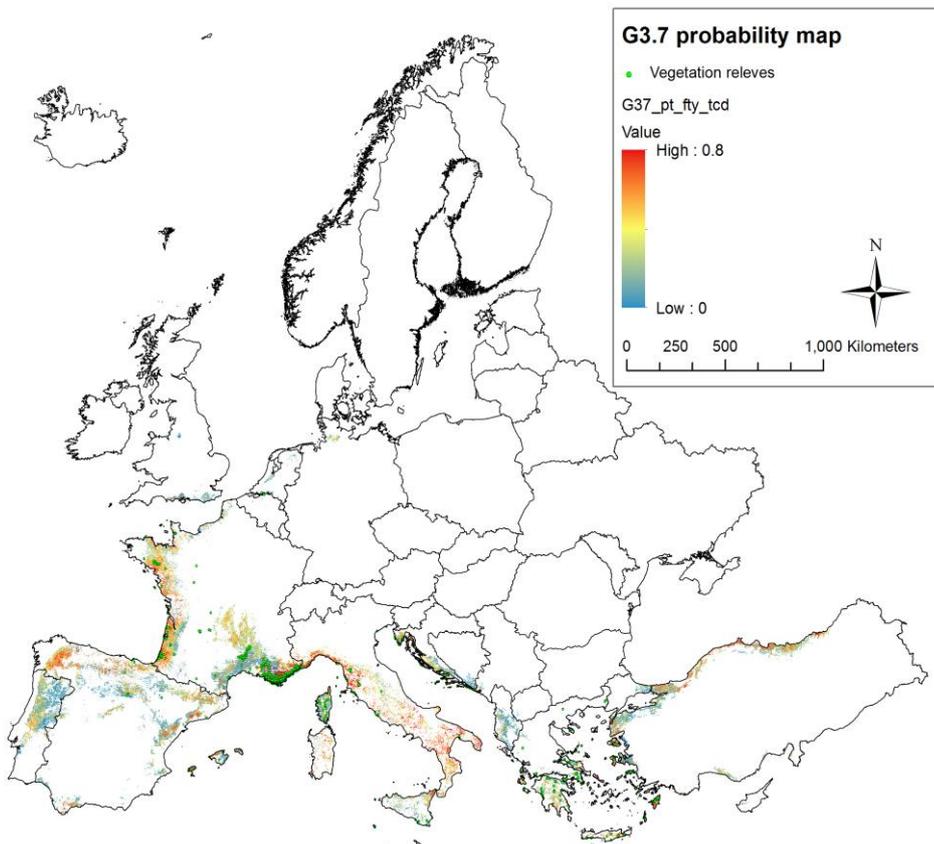

Distribution based on vegetation relevés

Habitat
suitability
0
0.09
0.19
0.29
0.39
0.48
0.579
0.679
0.779
0.879
0.969
0.979

Maxent prediction model. Background data randomly selected from the study area

Statistics from Maxent modelling

AUC training (0-1)	0.9617
AUC test (0-1)	0.957
Contribution variables to the Maxent model (%)	
Temperature Seasonality (stdev * 100)	50.976
Potential Evapotranspiration	17.4106
Mean Temperature of Wettest Quarter	12.802
Precipitation of Warmest Quarter	5.8938
Precipitation Seasonality (coef. of var.)	4.7735
Annual Precipitation	3.8205
Distance to water	2.7684
Solar radiation	0.9681
Soil pH	0.5871

Distribution based on integration Maxent prediction and high resolution data

Distribution based on integration Maxent prediction and high resolution data + distribution of vegetation relevés
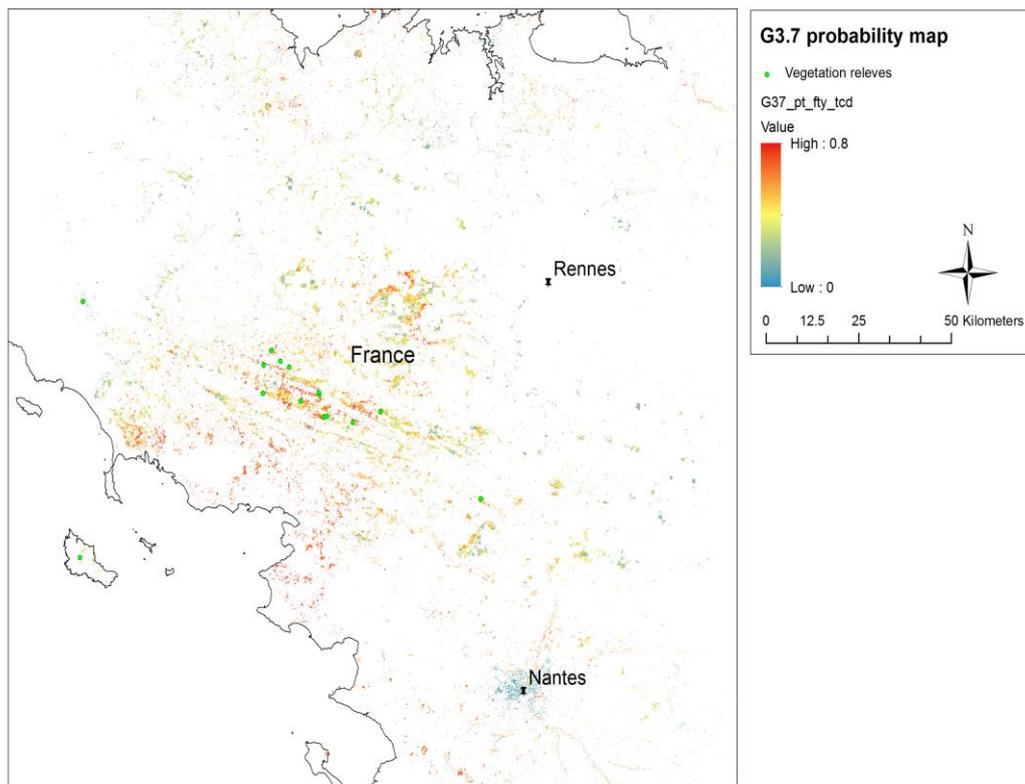
Regional detail of final probability map

Rules for modelling using high resolution data

Threshold 10‰ training presence	0.320
HRL Forest (fty)	2. coniferous forest
Tree crown density (Tcd)	multiplied
Distance to river (m)	-
PNV	-
TREEMAPS (species)	-
TREEMAPS (threshold)	-
Comment	-

G3.9a - Taxus baccata woodland

Distribution based on vegetation relevés
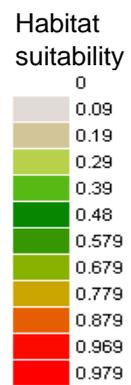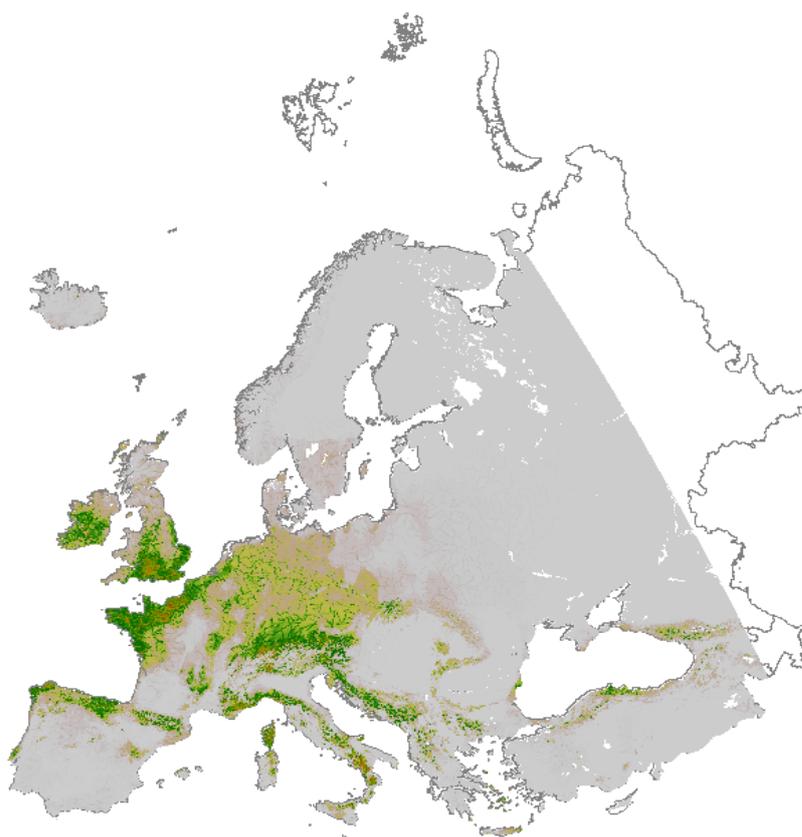
Habitat
suitability

0
0.09
0.19
0.29
0.39
0.48
0.579
0.679
0.779
0.879
0.969
0.979

Maxent prediction model. Background data randomly selected from the study area

Statistics from Maxent modelling

AUC training (0-1)	0.9576
AUC test (0-1)	0.964
Contribution variables to the Maxent model (%)	
Temperature Seasonality (stdev * 100)	43.4382
Potential Evapotranspiration	34.4928
Precipitation of Warmest Quarter	6.4517
Mean Temperature of Wettest Quarter	4.5974
Distance to water	3.3867
Precipitation Seasonality (coef. of var.)	2.9875
Solar radiation	2.5543
Soil pH	1.1712
Annual Precipitation	0.9202
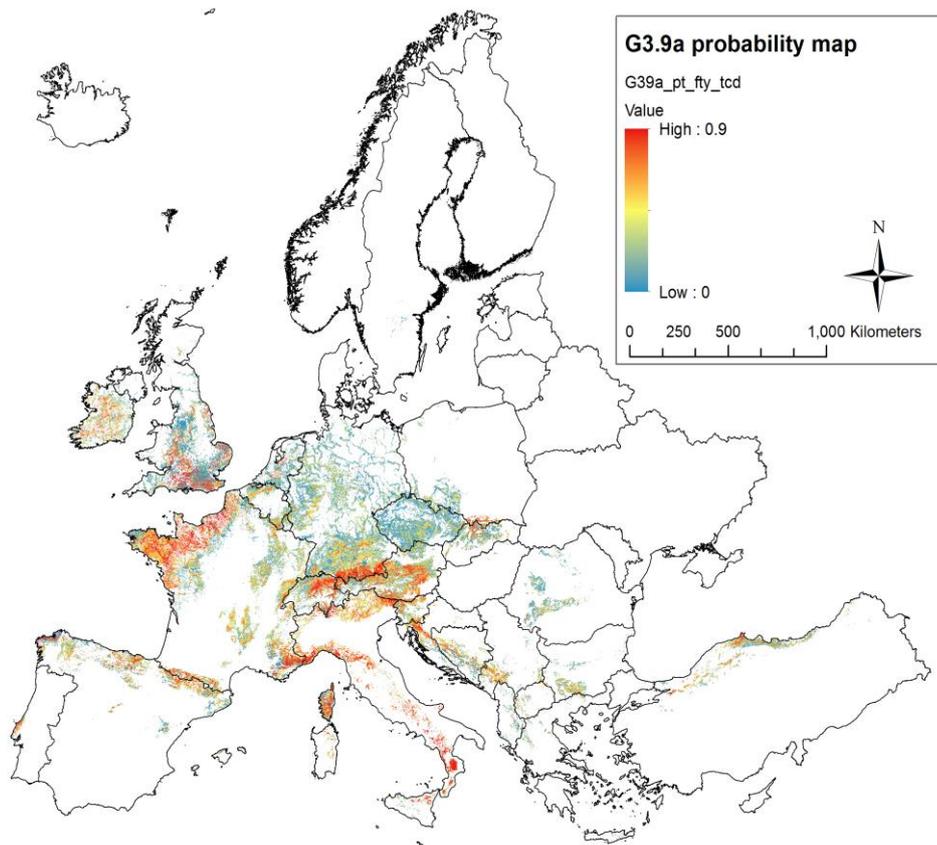
Distribution based on integration Maxent prediction and high resolution data
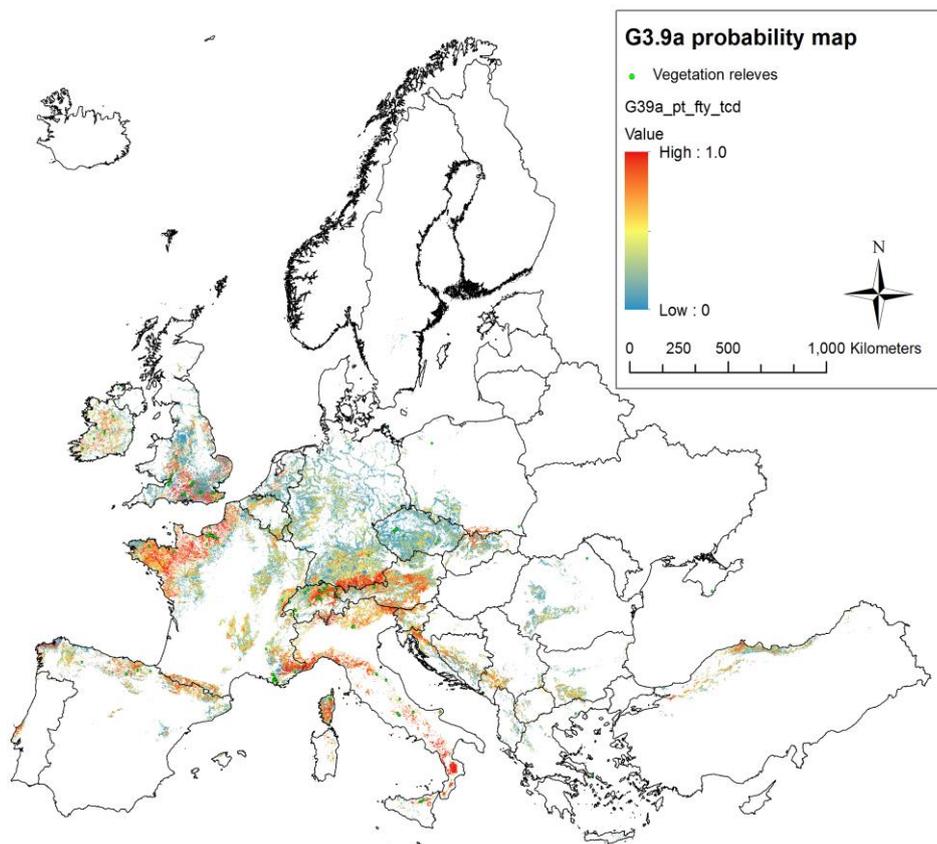
Distribution based on integration Maxent prediction and high resolution data + distribution of vegetation relevés
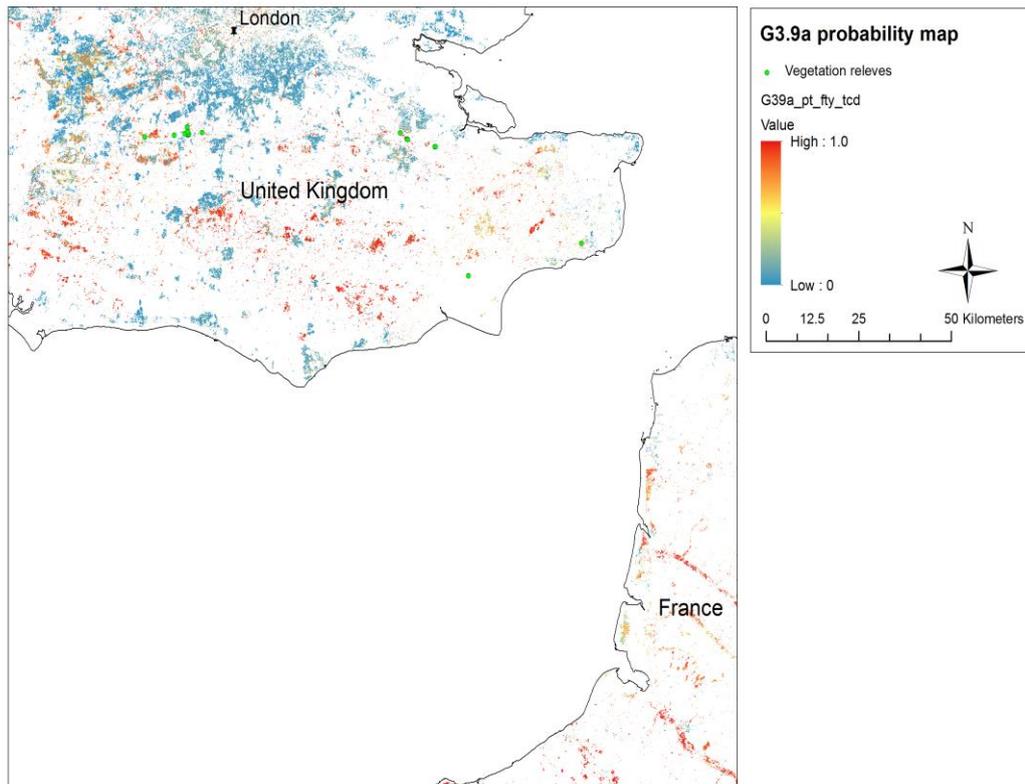
Regional detail of final probability map

Rules for modelling using high resolution data

Threshold 10‰ training presence	0.219
HRL Forest (fty)	2. coniferous forest
Tree crown density (Tcd)	multiplied
Distance to river (m)	-
PNV	-
TREEMAPS (species)	-
TREEMAPS (threshold)	-
Comment	-

G3.9b - Mediterranean Cupressaceae woodland

Distribution based on vegetation relevés
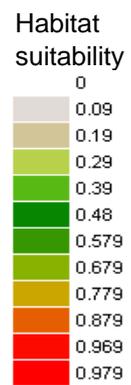
Habitat
suitability
0
0.09
0.19
0.29
0.39
0.48
0.579
0.679
0.779
0.879
0.969
0.979

*Maxent prediction model. Background data randomly selected from the complete forest data set*

Statistics from Maxent modelling

|	
AUC training (0-1)	0.938
AUC test (0-1)	0.9235
Contribution variables to the Maxent model (%)	
Precipitation of Warmest Quarter	59.8598
Potential Evapotranspiration	12.6501
Mean Temperature of Wettest Quarter	6.6394
Soil pH	4.9473
Distance to water	4.6239
Precipitation Seasonality (coef. of var.)	4.5698
Temperature Seasonality (stdev * 100)	3.0765
Solar radiation	1.9085
Annual Precipitation	1.7246
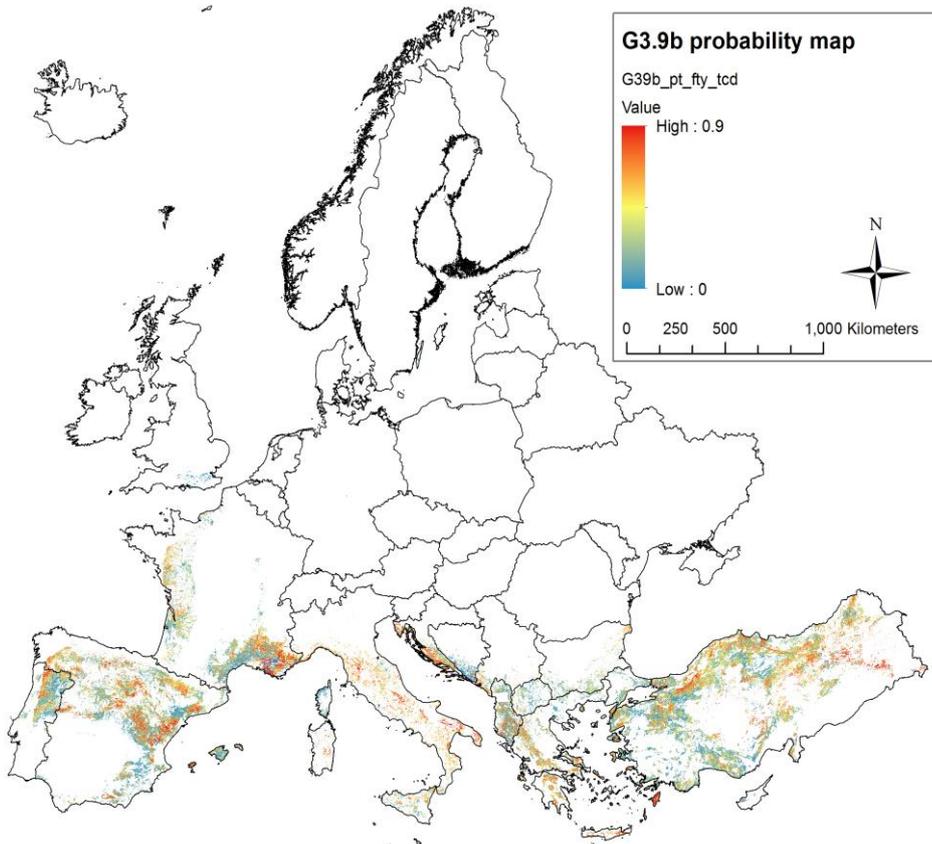
Distribution based on integration Maxent prediction and high resolution data
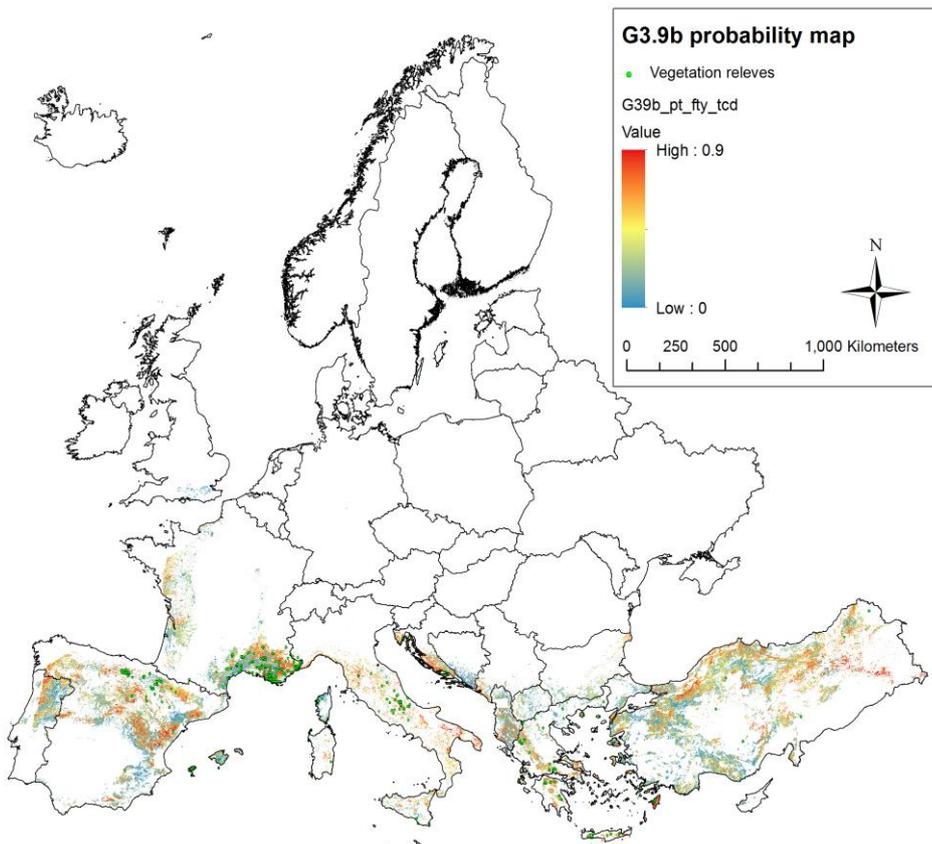
Distribution based on integration Maxent prediction and high resolution data + distribution of vegetation relevés
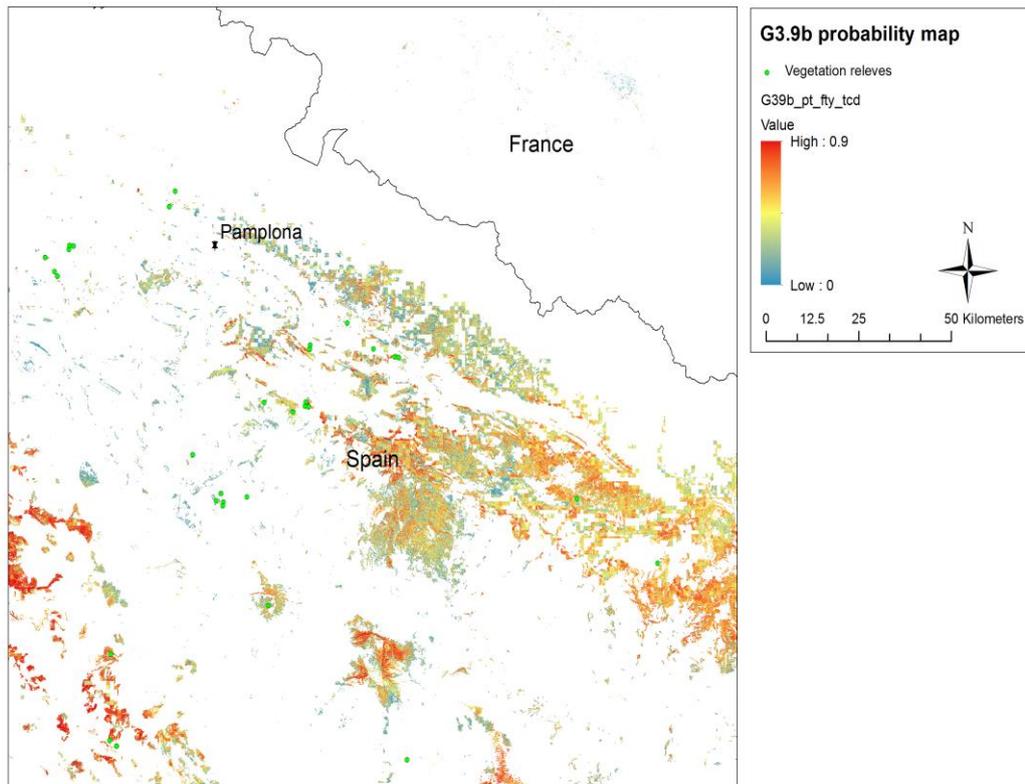
Regional detail of final probability map

Rules for modelling using high resolution data

Threshold 10‰ training presence	0.302
HRL Forest (fty)	2. coniferous forest
Tree crown density (Tcd)	multiplied
Distance to river (m)	-
PNV	-
TREEMAPS (species)	-
TREEMAPS (threshold)	-
Comment	-

G3.A - Picea taiga woodland* [[Picea] taiga woodland]

Comment
Not enough data to create a reliable model.

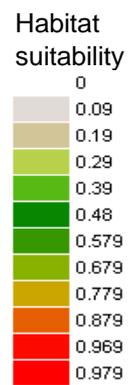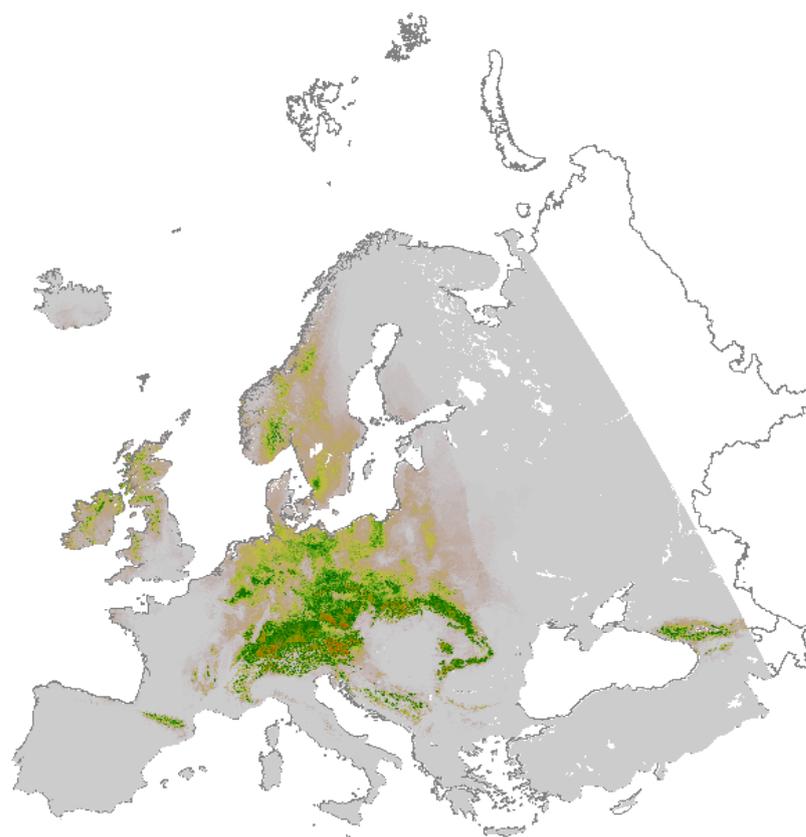**G3.B - Pinus sylvestris taiga woodland* [[Pinus] taiga woodland]**

Comment
Not enough data to create a reliable model.

G3.E - Temperate bog conifer woodland* [Nemoral bog conifer woodland]

Distribution based on vegetation relevés

Habitat
suitability

	0
	0.09
	0.19
	0.29
	0.39
	0.48
	0.579
	0.679
	0.779
	0.879
	0.969
	0.979

*Maxent prediction model. Background data randomly selected from the study area*

Statistics from Maxent modelling

AUC training (0-1)	0.952
AUC test (0-1)	0.9356
Contribution variables to the Maxent model (%)	
Precipitation of Warmest Quarter	54.2453
Temperature Seasonality (stdev * 100)	17.9736
Potential Evapotranspiration	15.7111
Mean Temperature of Wettest Quarter	6.9313
Solar radiation	1.915
Soil pH	1.4725
Precipitation Seasonality (coef. of var.)	0.9937
Annual Precipitation	0.6425
Distance to water	0.1149
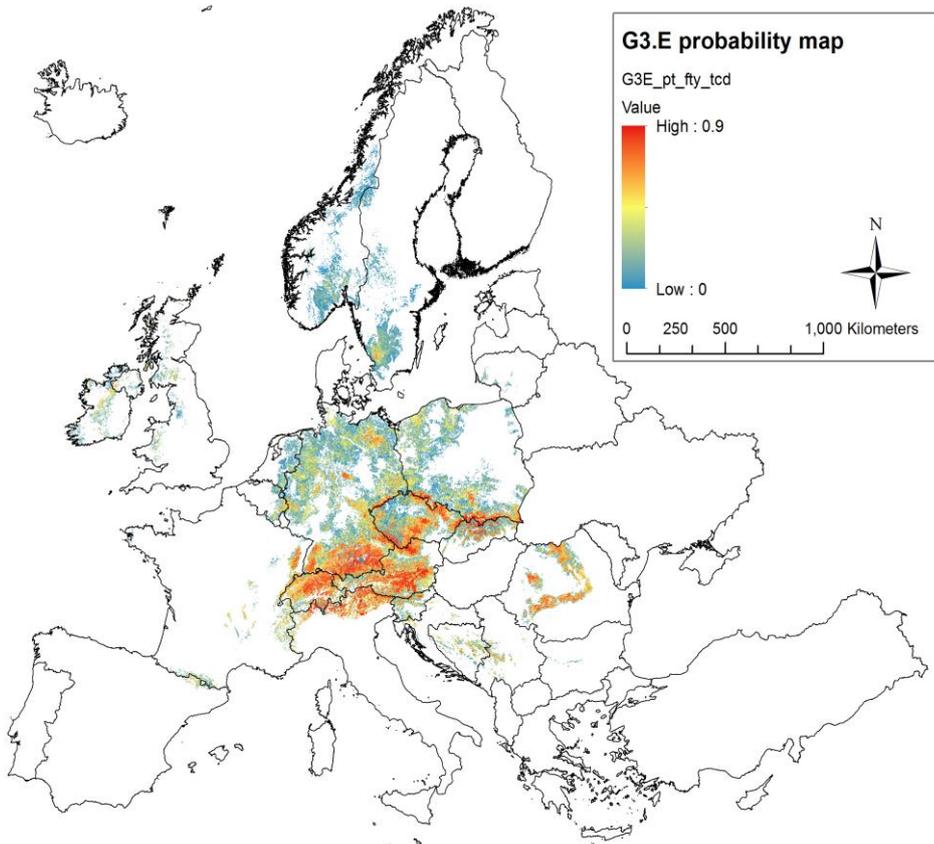
Distribution based on integration Maxent prediction and high resolution data
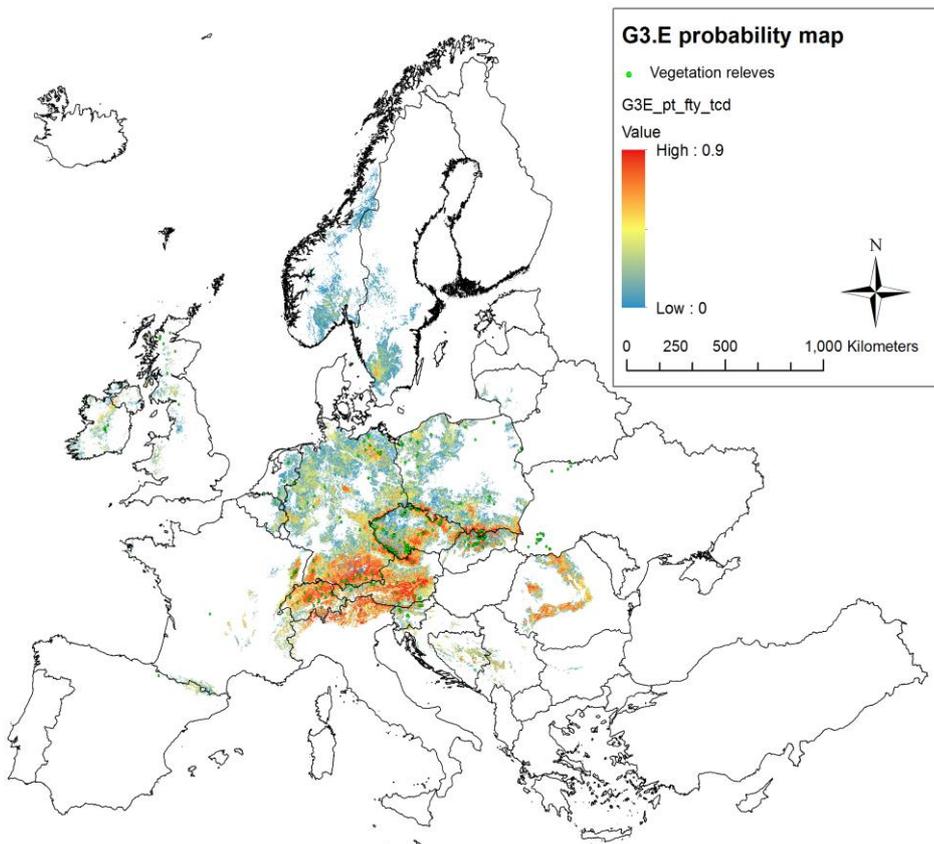
Distribution based on integration Maxent prediction and high resolution data + distribution of vegetation relevés
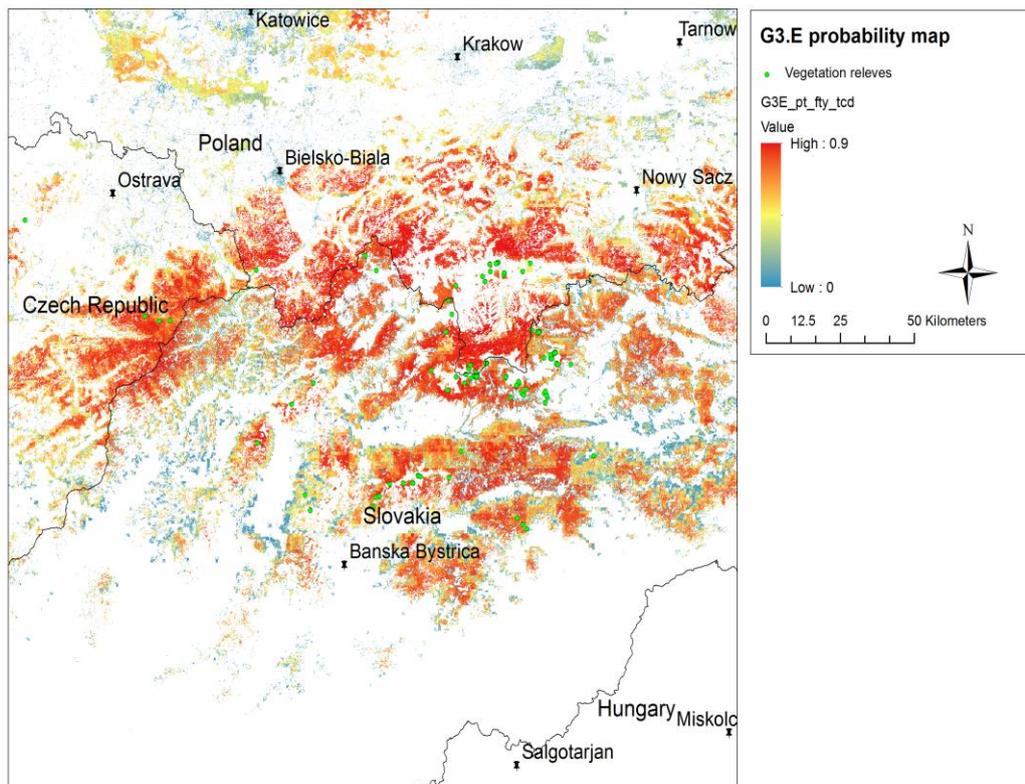
Regional detail of final probability map

Rules for modelling using high resolution data

Threshold 10‰ training presence	0.206
HRL Forest (fty)	2. coniferous forest
Tree crown density (Tcd)	multiplied
Distance to river (m)	-
PNV	-
TREEMAPS (species)	-
TREEMAPS (threshold)	-
Comment	-