

Winter average temperatures for EEA countries and their regions

Produced for:
Department of Work and Pensions

12th December 2012

If printing double sided you will need this blank page. If printing single sided, please delete this page.

Contents

1. Introduction.....	2
2. Method.....	2
3. Country averages	4
4. Regional level averages	5
Austria	6
Belgium.....	7
Bulgaria	9
Croatia	11
Cyprus	13
Czech Republic	14
Denmark	15
Estonia.....	16
Finland.....	17
France.....	18
Germany	21
Gibraltar.....	23
Greece.....	24
Hungary	26
Iceland	28
Ireland	29
Italy	31
Latvia	33
Liechtenstein.....	35
Lithuania.....	36
Luxembourg	37
Malta.....	38
Netherlands	39
Norway.....	41
Poland.....	43
Portugal.....	45
Romania.....	48
Slovakia	51
Slovenia.....	52
Spain	55
Sweden	57
Switzerland	59
Turkey	61
United Kingdom	65

1. Introduction

This report for Department of Work and Pensions addresses the Department's requirement for an assessment of average winter air temperatures across the European Economic Area (in this context winter is chosen to be the months November to March inclusive). The Department commissioned the Met Office to undertake this work following initial feasibility studies for the UK and France.

This document contains winter time mean temperature estimates for 34 countries, including all those in the European Economic Area, and regions of these countries. These are based on a global dataset¹ of monthly mean temperatures.

This dataset uses observations from weather stations throughout the world, and interpolates between them to give mean temperature values on a regular grid. The interpolation method takes into account latitude, longitude and altitude.

The Met Office has significant experience in producing and working with a range of gridded datasets. The approach used (see section 2, method, below) is accepted as a valid method of assessing values for climatic variables. However, it is important to note that there is no single definitive way to do this, and the approach is not without limitations.

For example, within some countries and even within some regions, there are considerable variations in mean temperature linked to altitude and proximity to the sea. Such variations are lost when averaging over a large area. Temperature maps are included in this report to give an impression of these variations.

2. Method

A gridded data set of monthly mean air temperature (for the reference period 1961-1990) for land areas of the globe is available through the Climatic Research Unit of the University of East Anglia². Each grid box is about 18 km in the north-south (latitudinal) direction, by about 13 km in the east-west (longitudinal) direction. A winter average grid was produced by averaging the November, December, January, February and March

¹ New, M., Lister, D., Hulme, M. and Makin, I., 2002: A high-resolution data set of surface climate over global land areas. *Climate Research* 21

² CRU CL 2.0, downloaded from <http://www.cru.uea.ac.uk/cru/data/hrg/>

grids (weighted by number of days in each month). This grid was then used to calculate average temperatures for individual countries and their regional sub-divisions.

The Met Office digital map management system provides GIS compatible files describing country boundaries and various administrative regions within countries. For this report, country and regional boundaries for EU countries (and overseas territories) were taken from a file provided to the Met Office by Bartholomews. The number and size of regions within a country varies from country to country.

For each country and region within the country, the average temperature was calculated by averaging all the grid point values that fall inside the boundary. This approach led to several issues for some small countries and regions, where no grid points (i.e. grid box centres) fell within the boundary. These issues were dealt with in a number of ways, according to the geography of the region and country:

- **small region within a country:** here the region is surrounded by grid points, and the regional average is calculated using a technique called *bilinear interpolation* as follows: the centre point of the region is calculated; the average of the four grid points nearest to this centre point is calculated, accounting for their relative distances. This value is used as the average for the region.
- **small region separated from main body of a country:** this can apply to a small island region, or overseas territories such as Ceuta and Melilla (of Spain). The regional value is *interpolated* from nearby grid points as above. In this case, the country average should in theory be adjusted to take into account those regions that do not fall within the main country boundary. In practice however, any adjustments would be so small (less than a tenth of a degree) that they are negligible.
- **Gibraltar:** This territory has no sub-regions. Sufficient grid points are available around the territory to *interpolate* a value as above.
- **small region with no nearby grid points:** in this case, there are not enough data points to interpolate as above. Instead, a value must be *estimated* from nearest grid points. Again, no adjustment is made to the country average as it would be a negligible change.

Regional and country averages that have been interpolated or estimated are indicated as such in tables below and in the accompanying spreadsheet.

3. Country averages

The following table provides the average November-to-March temperature for each country, calculated using the method described in section 2. For France, Spain and Portugal, two values are given. These represent the averages including and excluding overseas territories.

Country	Mean winter temperature (°C)	Country	Mean winter temperature (°C)
Austria	-1.0	Liechtenstein	-1.2
Belgium	3.7	Lithuania	-2.4
Bulgaria	2.4	Luxembourg	2.5
Croatia	3.3	Malta	13.7
Cyprus	12.0	Netherlands	3.9
Czech Republic	0.0	Norway	-6.1
Denmark	1.8	Poland	-0.7
Estonia	-3.5	Portugal with overseas territories	10.4
Finland	-8.9	Portugal without overseas territories	10.3
France with overseas territories	7.0	Romania	0.6
France without overseas territories	4.9	Slovakia	-0.2
Germany	1.7	Slovenia	1.2
Gibraltar	13.9	Spain with overseas territories	7.3
Greece	7.1	Spain without overseas territories	7.2
Hungary	2.1	Sweden	-7.0
Iceland	-3.6	Switzerland	-1.1
Ireland	5.5	Turkey	2.8
Italy	5.7	United Kingdom	4.1
Latvia	-2.9		

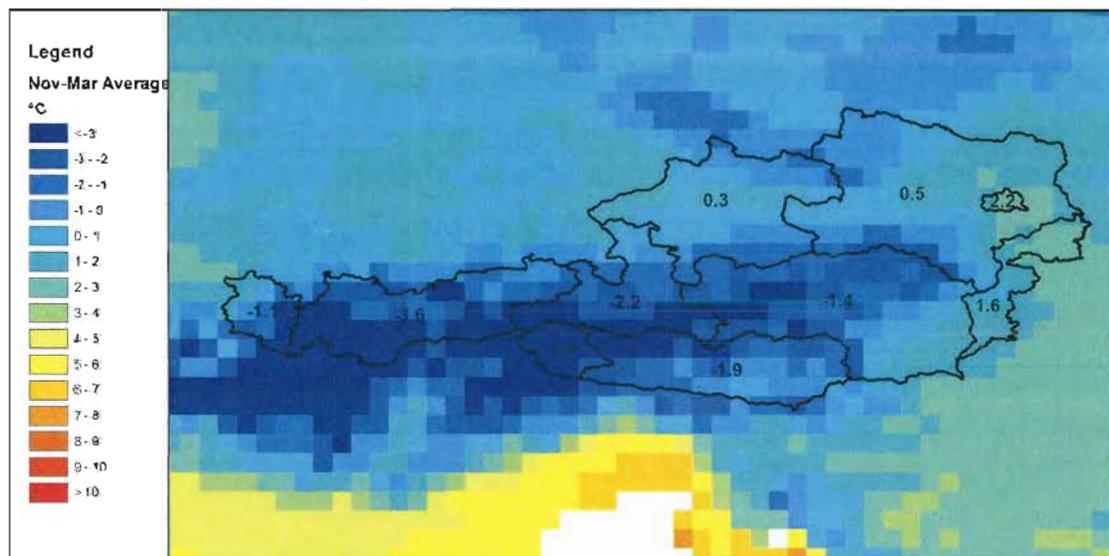
4. Regional level averages

For each of the countries included in the table above, two maps and a table are given. The maps show the regions within each country, and the November-to-March average temperature grid, with country and regional boundaries overlaid. The tables show the average November-to-March temperature for each region, calculated using the method described in section 2.

For France, Spain and Portugal, the regions marked with a hash (#) are those classed as overseas territories. This relates to table 1 above, where country level averages are given both with and without the overseas territories included. These countries also have an additional map, to indicate the positions and relative sizes of the overseas territories.

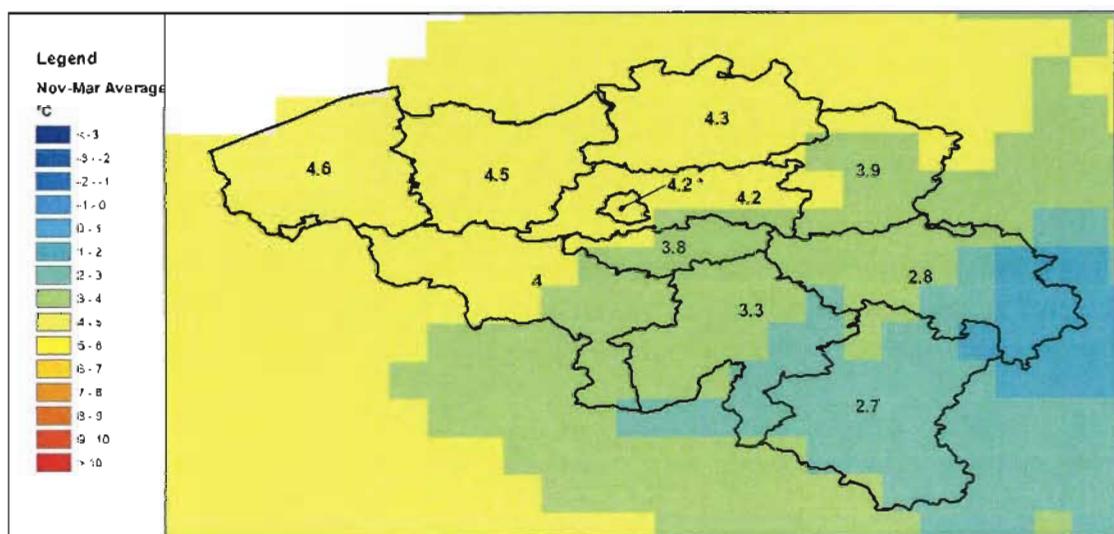
Regions marked with a single asterisk (*) have values bilinearly interpolated from nearby grid points (as described in section 2). Regions marked with a double asterisk (**) have been estimated (again, as described in section 2).

Austria (country average: -1.0 °C)



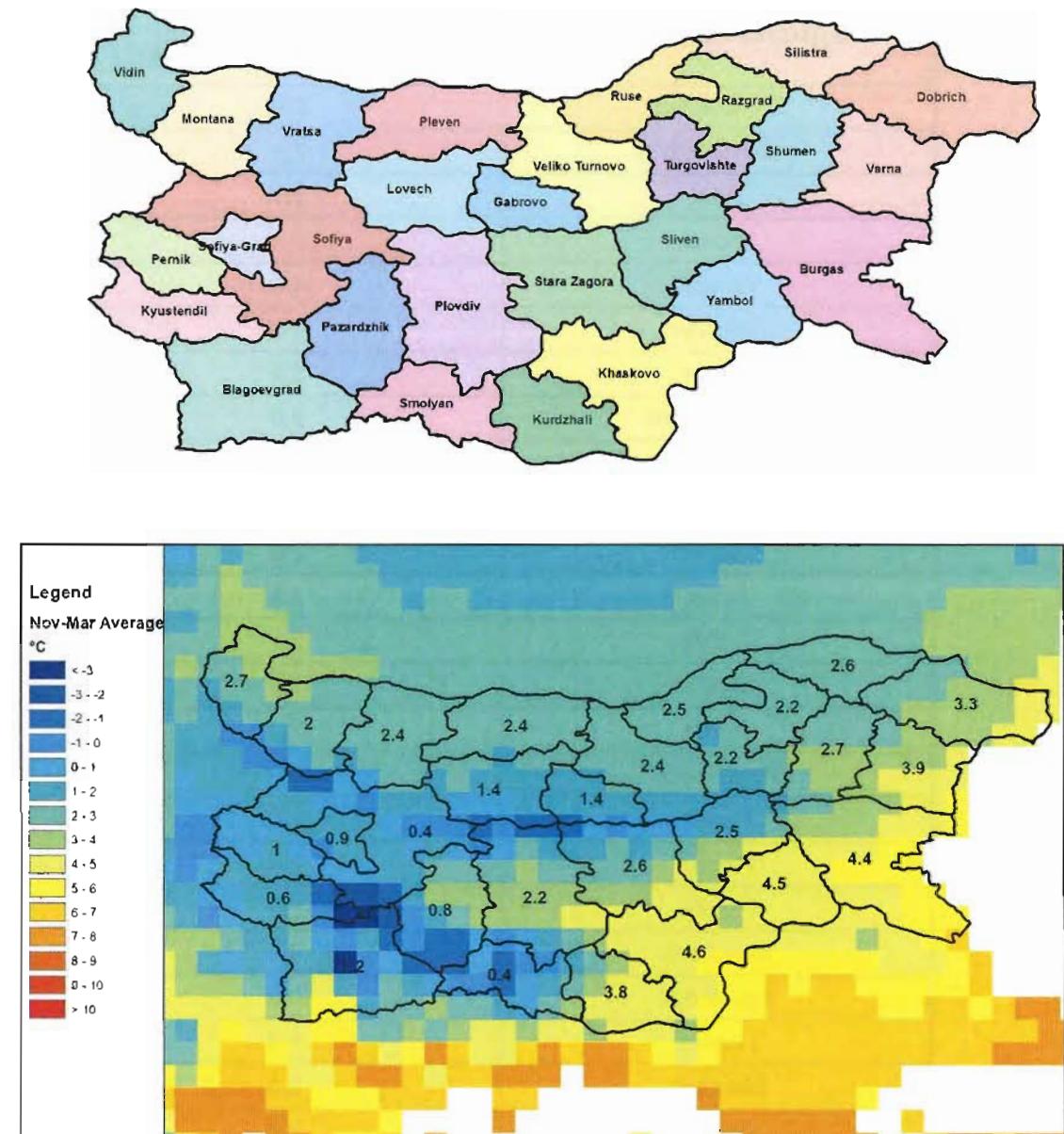
Regions (Austria)	Mean winter temperature (°C)
Burgenland	1.6
Kärnten	-1.9
Niederösterreich	0.5
Oberösterreich	0.3
Salzburg	-2.2
Steiermark	-1.4
Tirol	-3.6
Wien	2.2
Vorarlberg	-1.1

Belgium (country average: 3.7 °C)



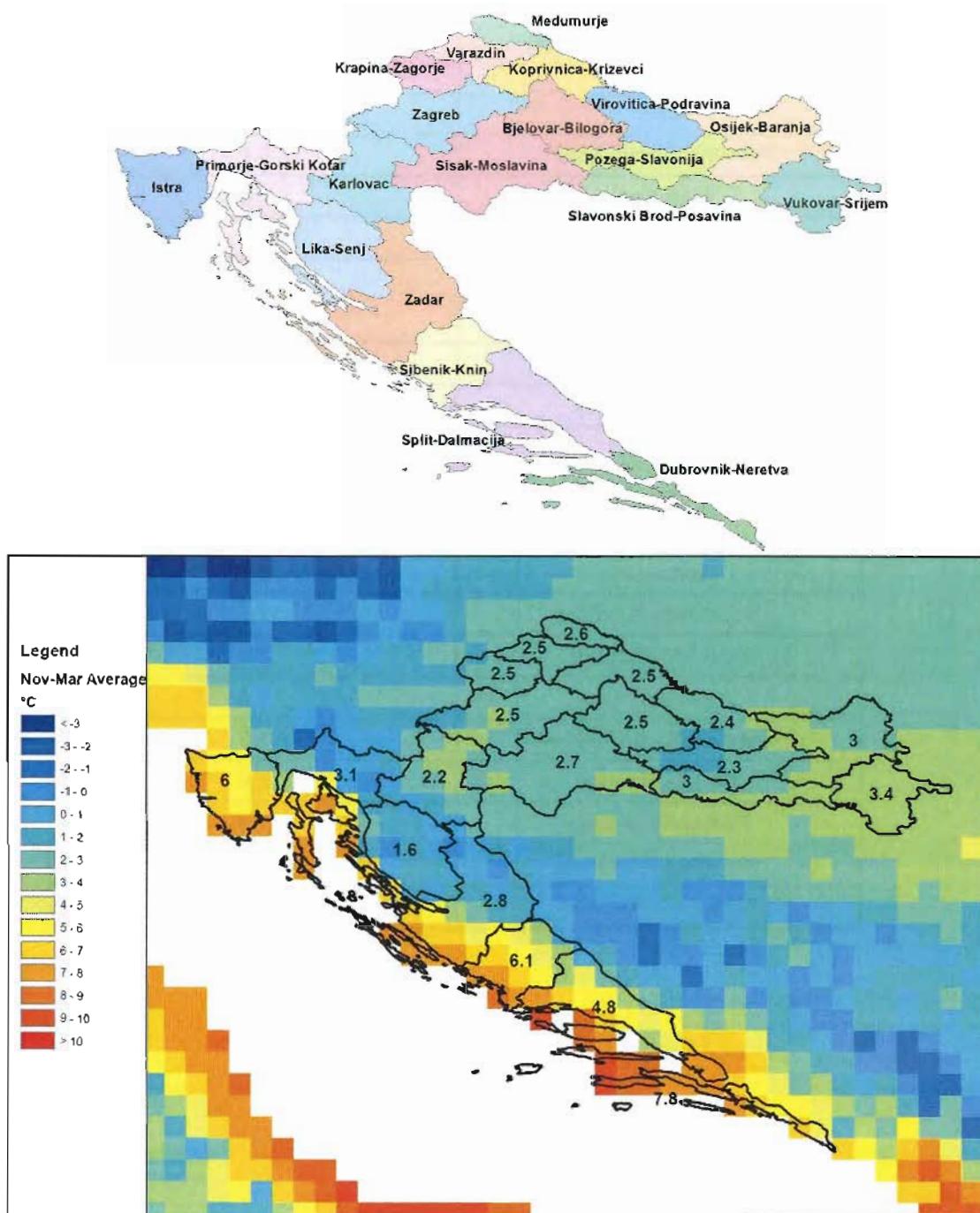
Regions (Belgium)	Mean winter temperature (°C)
Brabant Wallon	3.8
Vlaams-Brabant	4.2
* Bruxelles	4.2
Namur	3.3
West-Vlaanderen	4.6
Oost-Vlaanderen	4.5
Luxembourg	2.7
Limburg	3.9
Liège	2.8
Hainaut	4.0
Anтверpen	4.3

Bulgaria (country average: -2.4 °C)



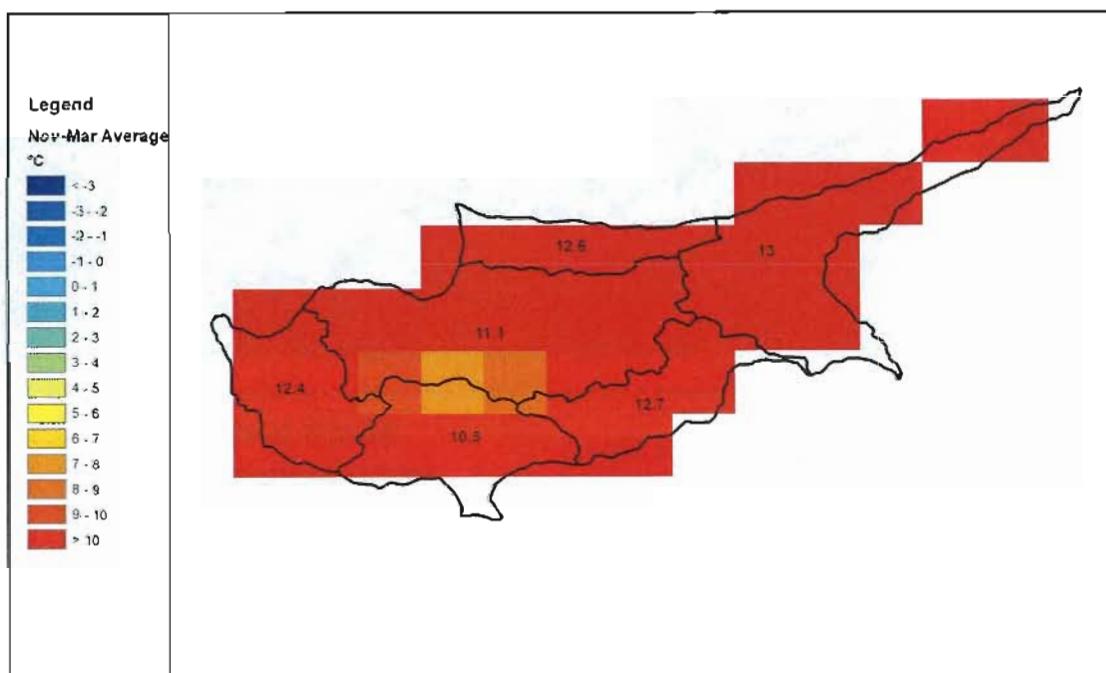
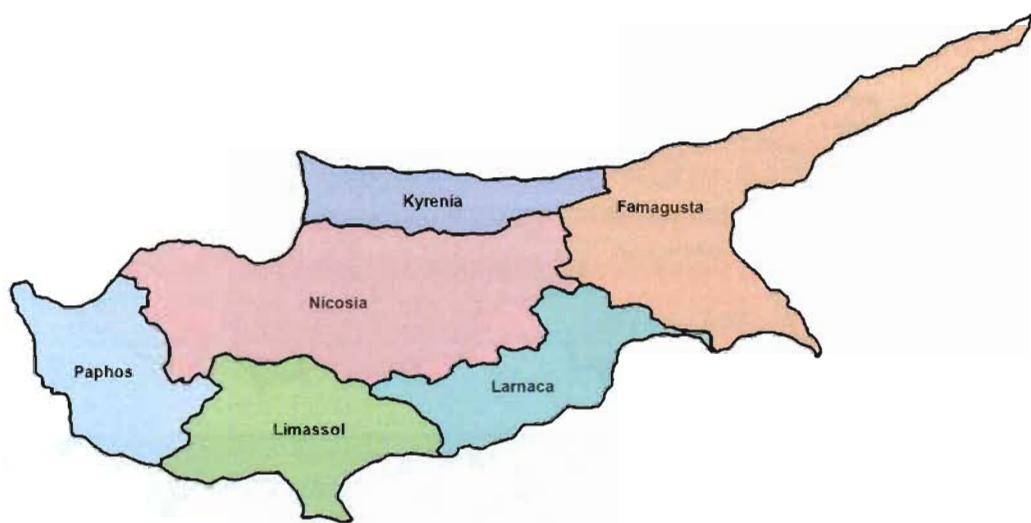
Regions (Bulgaria)	Mean winter temperature (°C)
Sofiya-Grad	0.9
Veliko Turnovo	2.4
Vidin	2.7
Vratsa	2.4
Yambol	4.5
Smolyan	0.4
Sofiya	0.4
Stara Zagora	2.6
Turgovishte	2.2
Varna	3.9
Razgrad	2.2
Ruse	2.5
Shumen	2.7
Silistra	2.6
Sliven	2.5
Pazardzhik	0.8
Pernik	1.0
Pleven	2.4
Plovdiv	2.2
Khaskovo	4.6
Kyustendil	0.6
Lovech	1.4
Montana	2.0
Burgas	4.4
Dobrich	3.3
Gabrovo	1.4
Kurdzhali	3.8
Blagoevgrad	1.2

Croatia (country average: 3.3 °C)



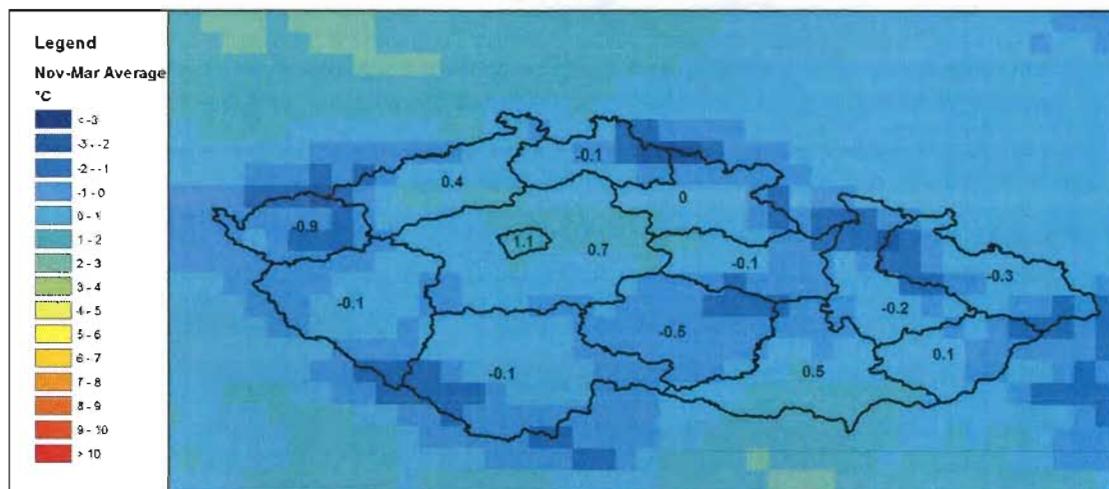
Regions (Croatia)	Mean winter temperature (°C)
Istra	6.0
Primorje-Gorski Kolar	3.1
Lika-Senj	1.6
Sibenik-Knin	6.1
Zadar	2.8
Split-Dalmacija	4.8
Karlovac	2.2
Sisak-Moslavina	2.7
Zagreb	2.5
Krapina-Zagorje	2.5
Varazdin	2.5
Medumurje	2.6
Koprivnica-Krizevci	2.5
Bjelovar-Bilogora	2.5
Vukovar-Srijem	3.4
Slavonski Brod-Posavina	3.0
Osijek-Baranja	3.0
Pozega-Slavonija	2.3
Virovitica-Podravina	2.4
Dubrovnik-Neretva	7.8

Cyprus (country average: 12.0 °C)



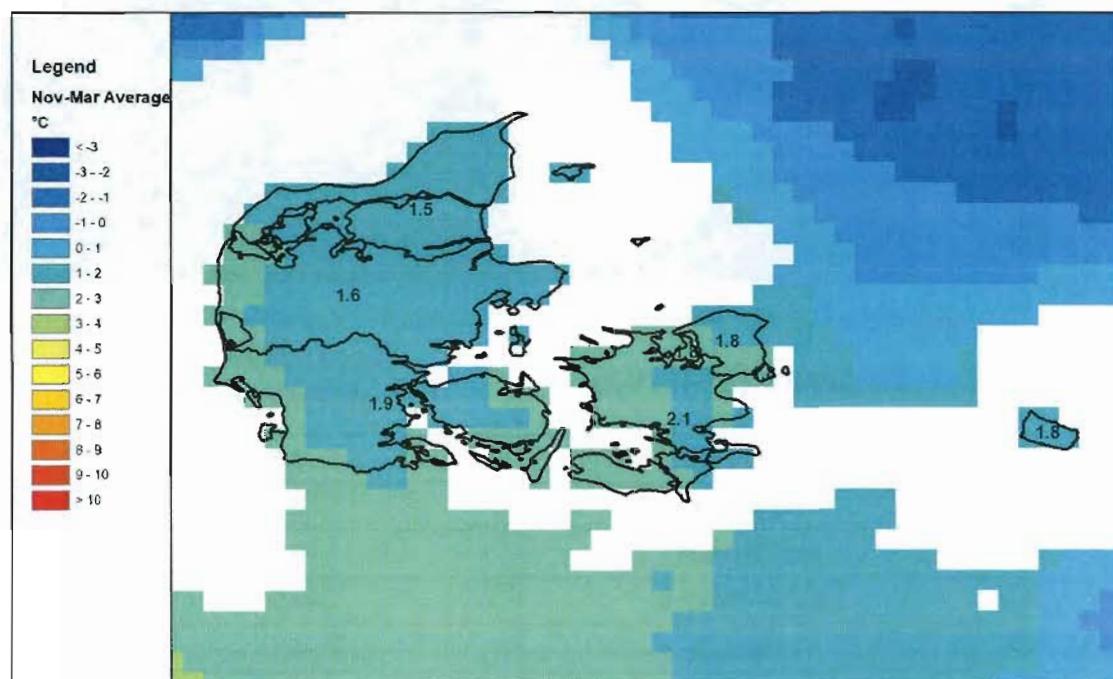
Regions (Cyprus)	Mean winter temperature (°C)
Larnaca	12.7
Limassol	10.5
Paphos	12.4
Nicosia	11.1
Famagusta	13.0
Kyrenia	12.6

Czech Republic (country average: 0.0 °C)



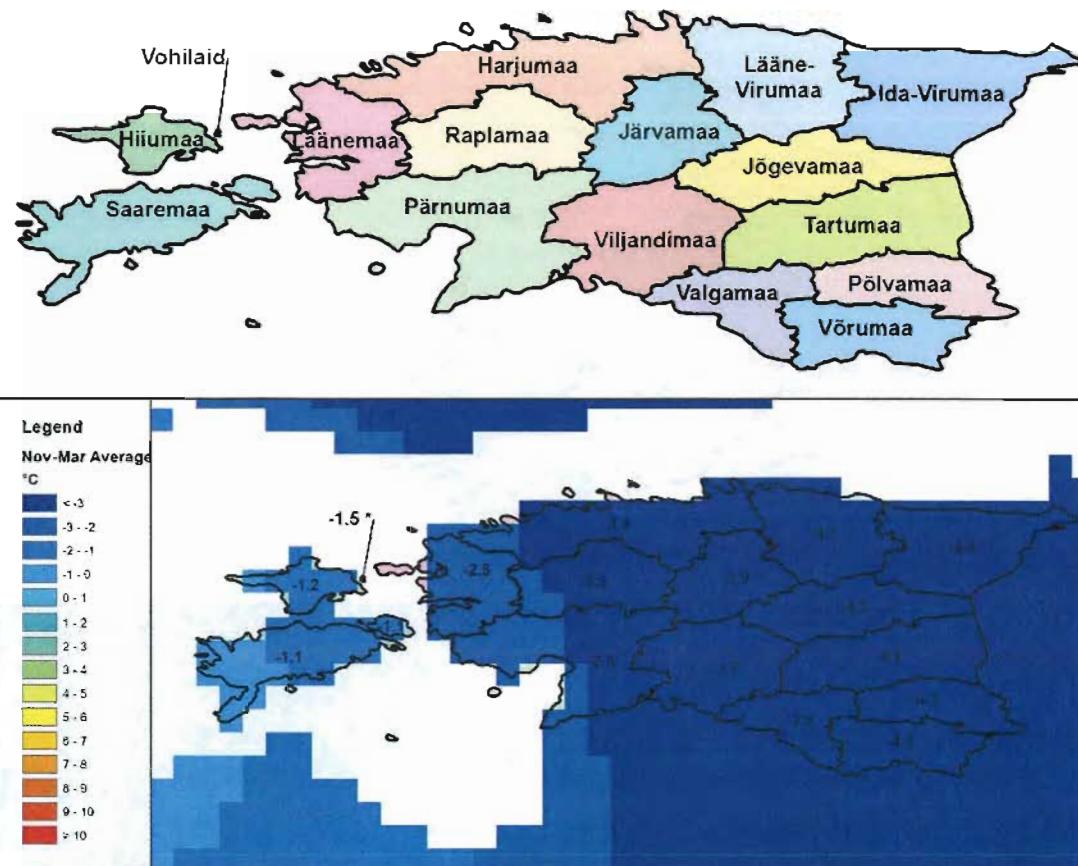
Regions (Czech Rep)	Mean winter temperature (°C)
Praha	1.1
Středočeský kraj	0.7
Karlovarský kraj	-0.9
Ústecký kraj	0.4
Plzeňský kraj	-0.1
Liberecký kraj	-0.1
Královéhradecký kraj	0.0
Pardubický kraj	-0.1
Vysocina	-0.5
Jihočeský kraj	-0.1
Jihomoravský kraj	0.5
Olomoucký kraj	-0.2
Moravskoslezský kraj	-0.3
Zlínský kraj	0.1

Denmark (country average: 1.8 °C)



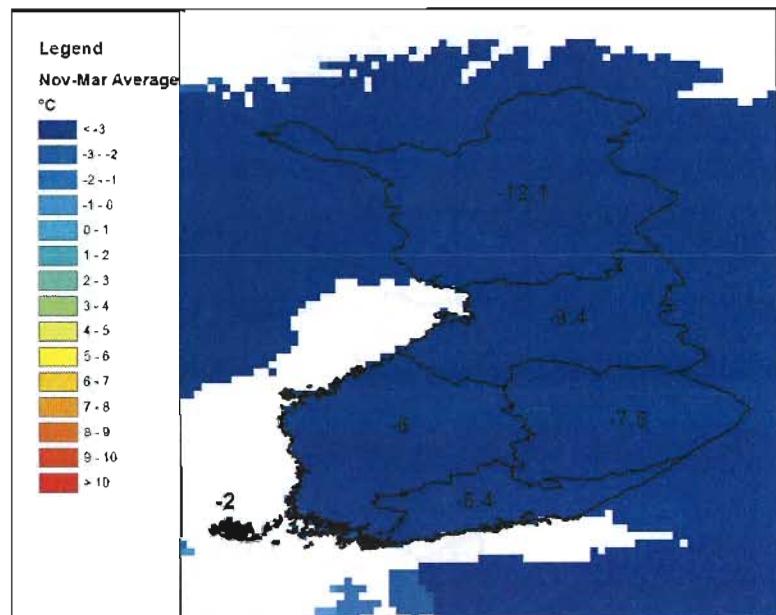
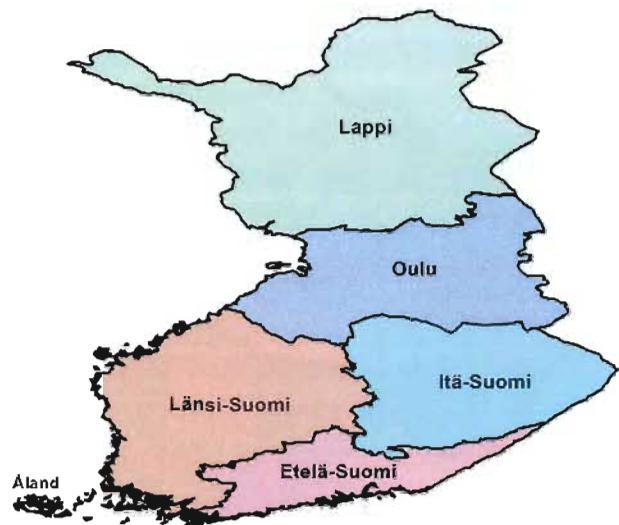
Regions (Denmark)	Mean winter temperature (°C)
Nordjylland	1.5
Midtjylland	1.6
Syddanmark	1.9
Sjælland	2.1
Hovedstaden	1.8

Estonia (country average: -3.5 °C)



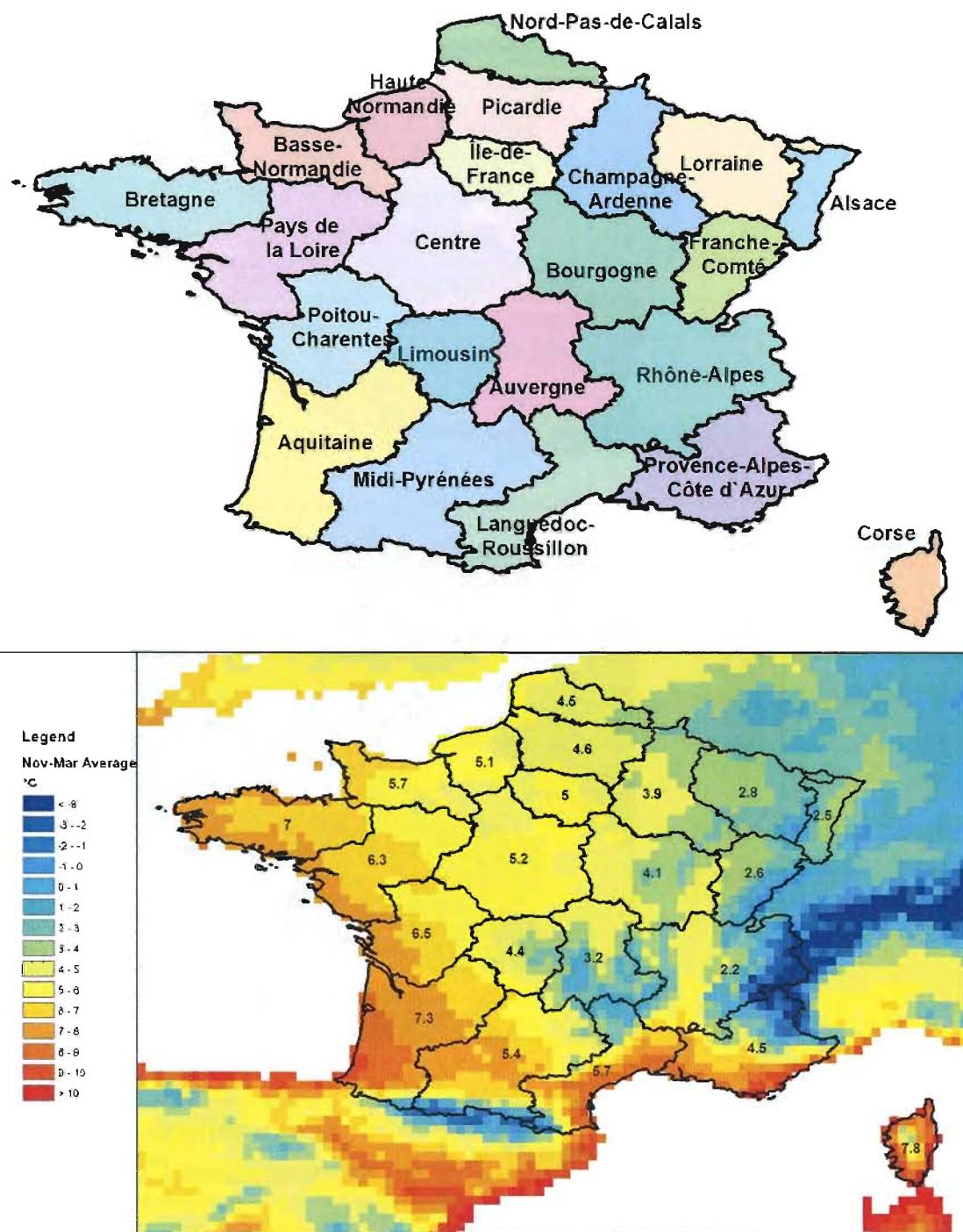
Regions (Estonia)	Mean winter temperature (°C)
** Võhilaid	-1.5
Harjumaa	-3.4
Ida-Virumaa	-4.4
Lääne-Virumaa	-4.3
Tartumaa	-4.1
Valgamaa	-3.8
Viljandimaa	-3.7
Võrumaa	-4.3
Läänemaa	-2.5
Pärnumaa	-2.9
Põlvamaa	-4.3
Raplamaa	-3.2
Saaremaa	-1.1
Hiiumaa	-1.2
Järvamaa	-3.9
Jõgevamaa	-4.1

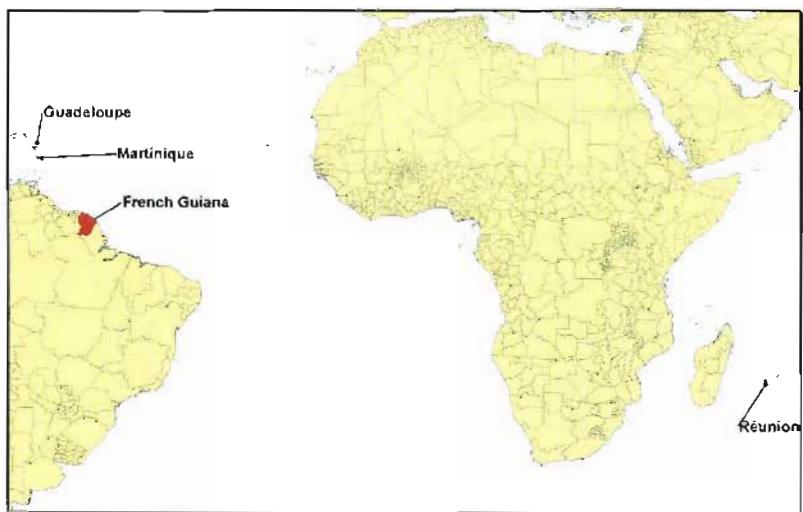
Finland (country average: -8.9 °C)



Regions (Finland)	Mean winter temperature (°C)
Åland	-2.0
Lappi	-12.1
Oulu	-9.4
Etelä-Suomi	-5.4
Länsi-Suomi	-6.0
Itä-Suomi	-7.5

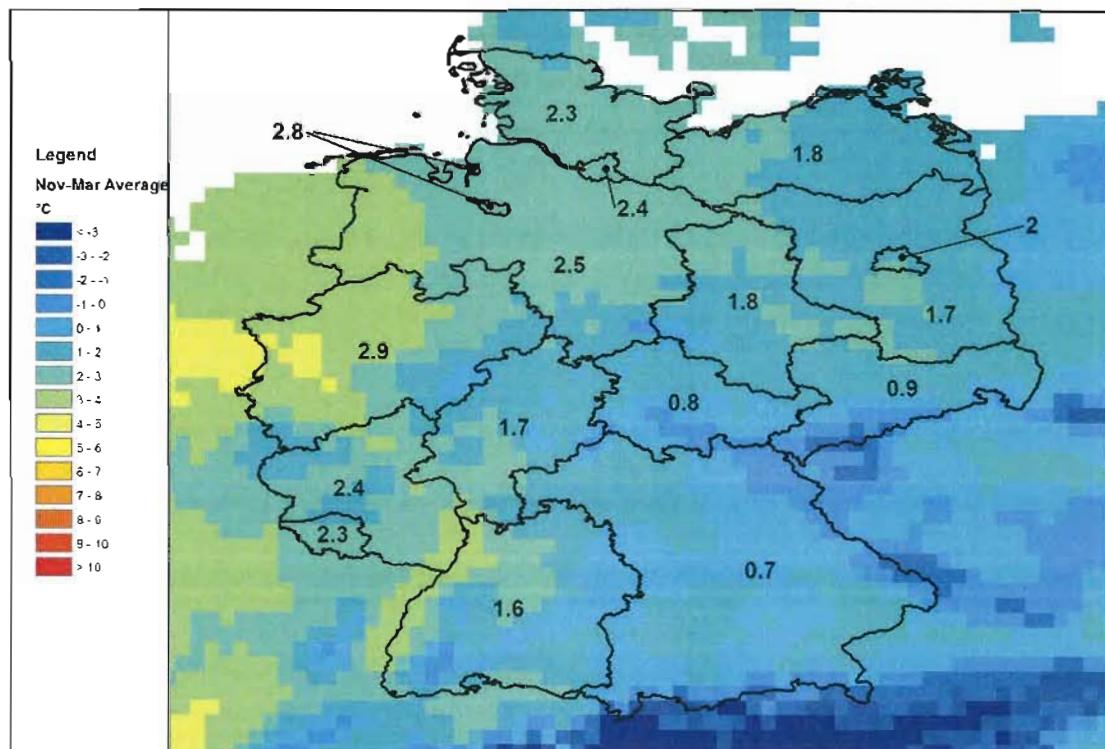
France (country average: 4.9 °C without overseas territories, 7.0°C with)





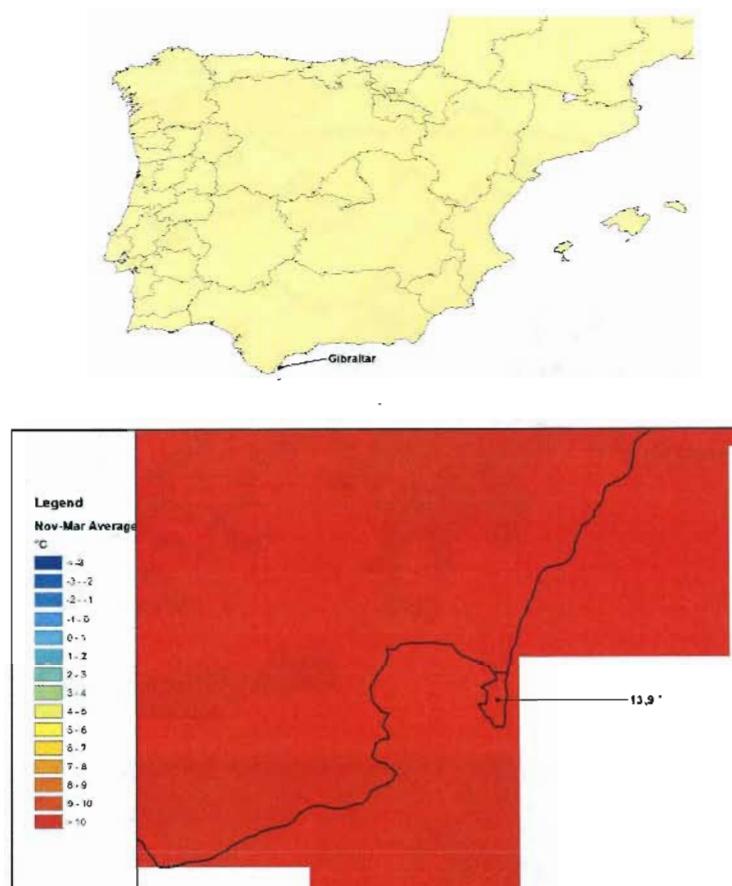
Regions (France)	Mean winter temperature (°C)
Île-de-France	5.0
Bourgogne	4.1
Champagne-Ardenne	3.9
Franche-Comté	2.6
Lorraine	2.8
Nord-Pas-de-Calais	4.5
Picardie	4.6
Pays de la Loire	6.3
Poitou-Charentes	6.5
Aquitaine	7.3
Limousin	4.4
Auvergne	3.2
Midi-Pyrénées	5.4
Provence-Alpes-Côte d'Azur	4.5
Rhône-Alpes	2.2
Alsace	2.5
Basse-Normandie	5.7
Bretagne	7.0
Centre	5.2
Haute-Normandie	5.1
Corse	7.8
Languedoc-Roussillon	5.7
# Martinique	24.9
# Guadeloupe	24.1
# St-Laurent-du-Maroni (French Guiana)	25.8
# Cayenne (French Guiana)	25.6
# Réunion	20.5

Germany (country average: 1.7 °C)



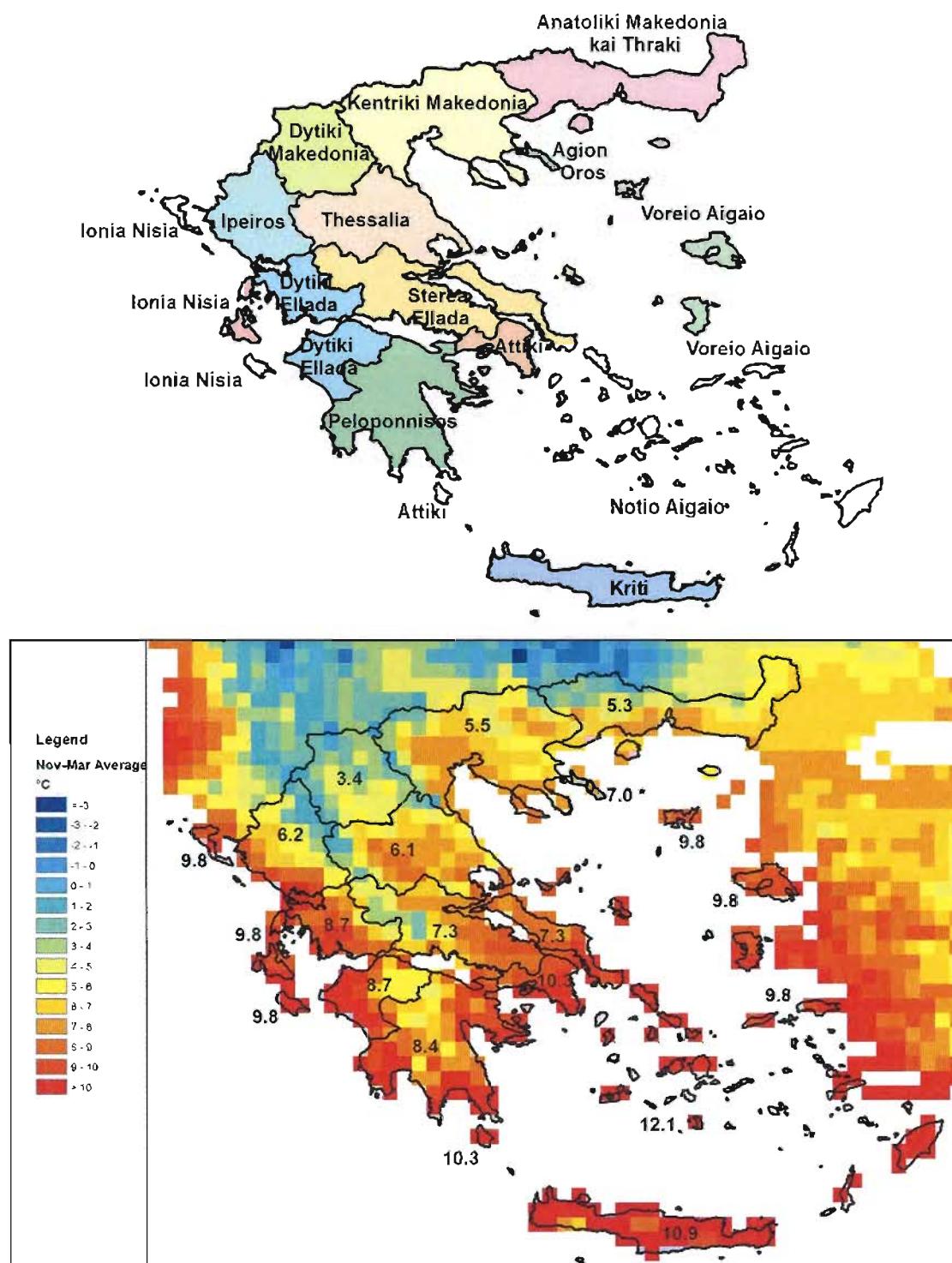
Regions (Germany)	Mean winter temperature (°C)
Berlin	2.0
Bremen	2.8
Hamburg	2.4
Saarland	2.3
Mecklenburg-Vorpommern	1.8
Brandenburg	1.7
Sachsen-Anhalt	1.8
Thüringen	0.8
Sachsen	0.9
Niedersachsen	2.5
Nordrhein-Westfalen	2.9
Schleswig-Holstein	2.3
Baden-Württemberg	1.6
Bayern	0.7
Hessen	1.7
Rheinland-Pfalz	2.4

Gibraltar (country average: 13.9 °C)



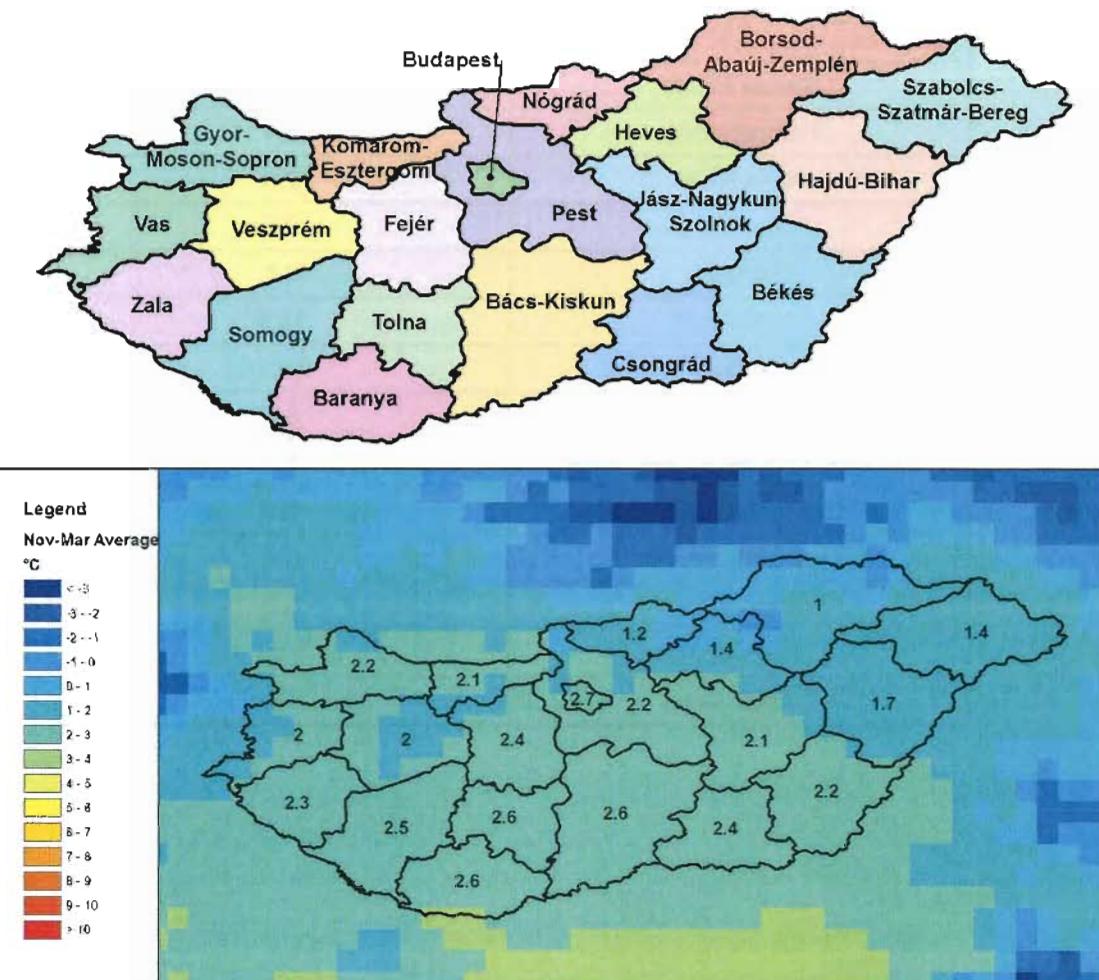
Region	Mean winter temperature (°C)
* Gibraltar	13.9

Greece (country average: 7.1 °C)



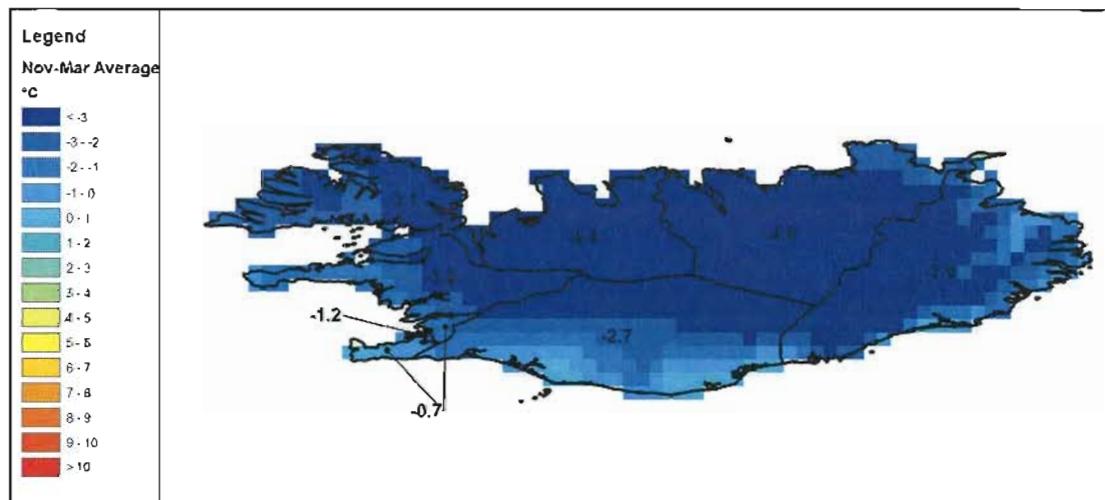
Regions (Greece)	Mean winter temperature (°C)
Stereia Ellada	7.3
Peloponnisos	8.4
Ionia Nisia	9.8
Ipeiros	6.2
Thessalia	6.1
Kriti	10.9
Attiki	10.3
Dytiki Ellada	8.7
Anatoliki Makedonia kai Thraki	5.3
Kentriki Makedonia	5.5
Dytiki Makedonia	3.4
Voreio Aigaio	9.8
Notio Aigaio	12.1
* Agion Oros	7.0

Hungary (country average: 2.1 °C)



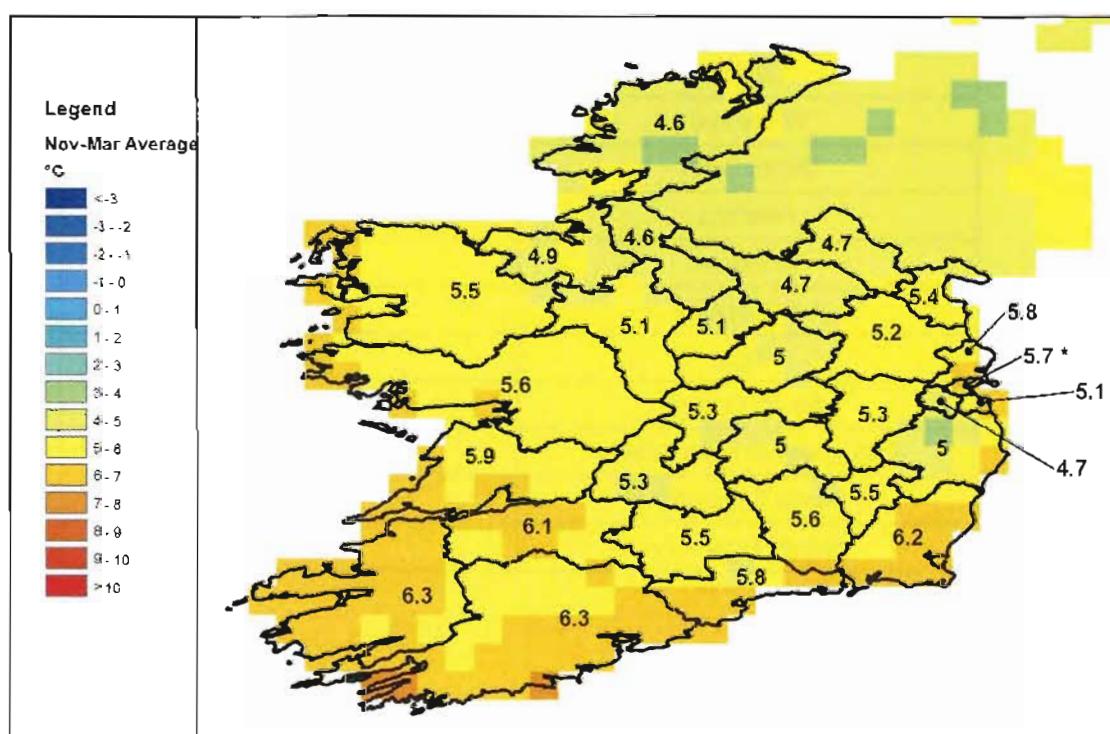
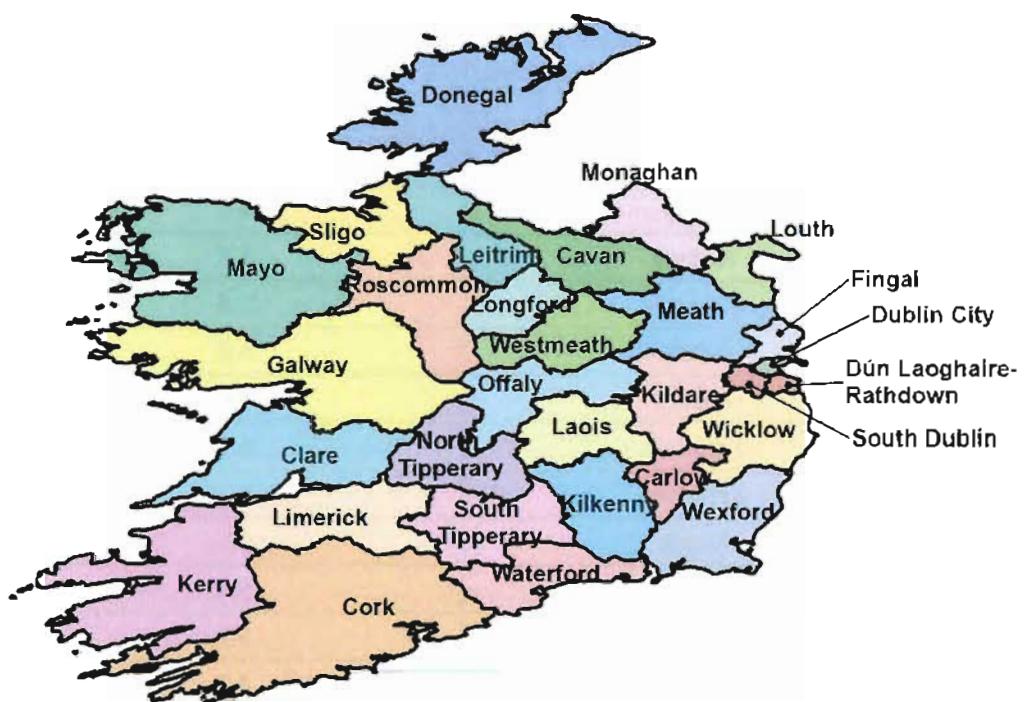
Regions (Hungary)	Mean winter temperature (°C)
Baranya	2.6
Bács-Kiskun	2.6
Békés	2.2
Borsod-Abaúj-Zemplén	1.0
Csongrád	2.4
Fejér	2.4
Györ-Moson-Sopron	2.2
Hajdú-Bihar	1.7
Heves	1.4
Komárom-Esztergom	2.1
Nógrád	1.2
Pest	2.2
Somogy	2.5
Szabolcs-Szatmár-Bereg	1.4
Jász-Nagykun-Szolnok	2.1
Tolna	2.6
Vas	2.0
Veszprém	2.0
Zala	2.3
Budapest	2.7

Iceland (country average: -3.6 °C)



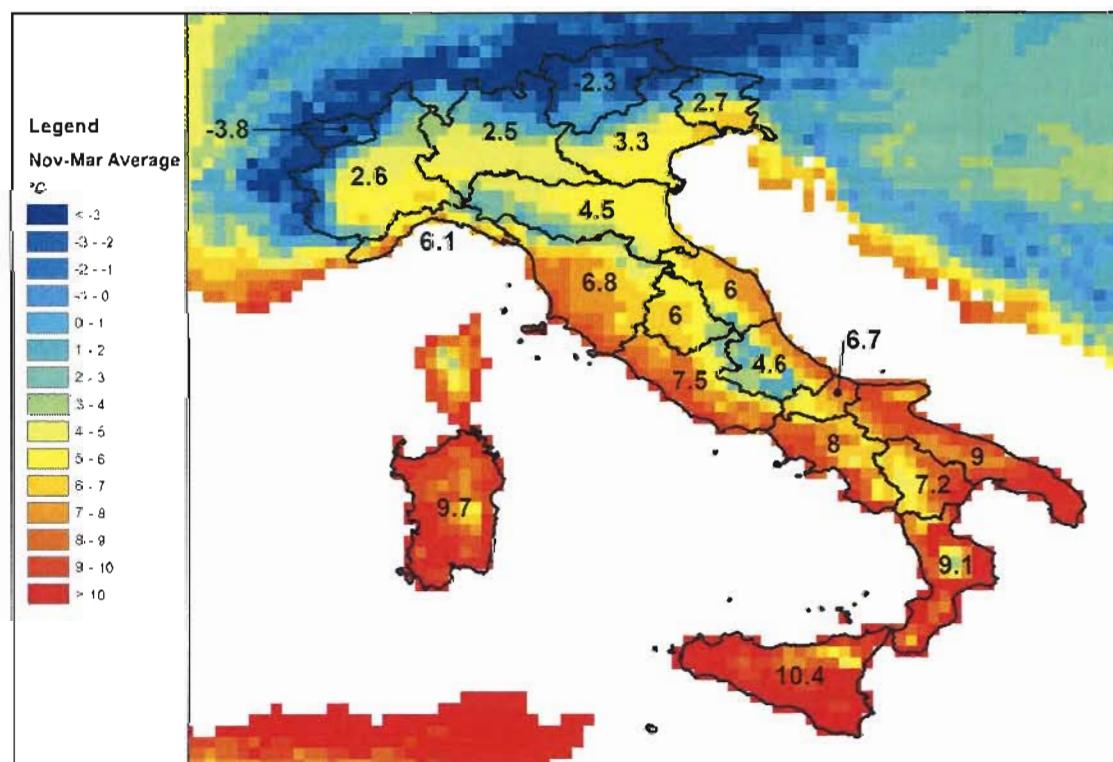
Regions (Iceland)	Mean winter temperature (°C)
Austurland	-3.6
Norðurland eystra	-4.6
Norðurland vestra	-4.4
Suðurland	-2.7
Vesturland	-3.2
Vestfirðir	-3.1
Reykjanes	-0.7
Reykjavík	-1.2

Ireland (country average: 5.5 °C)



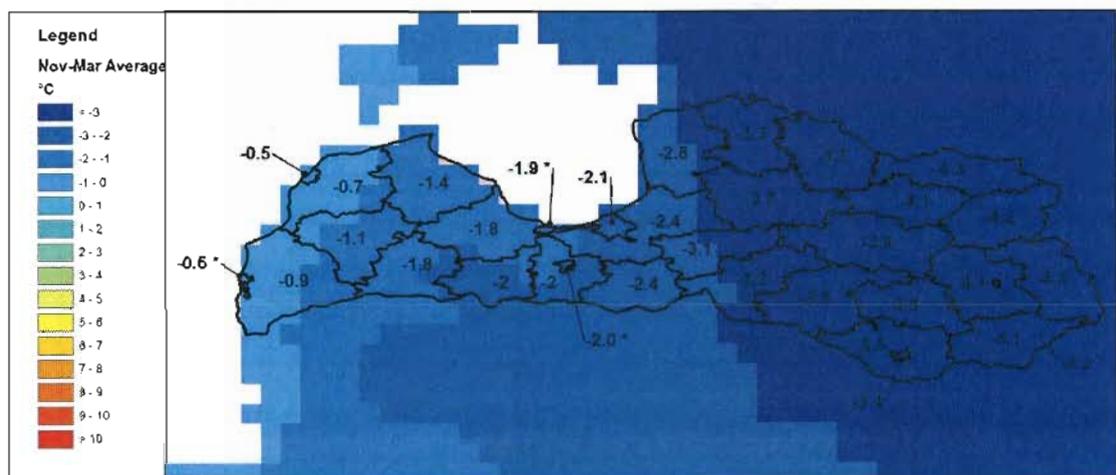
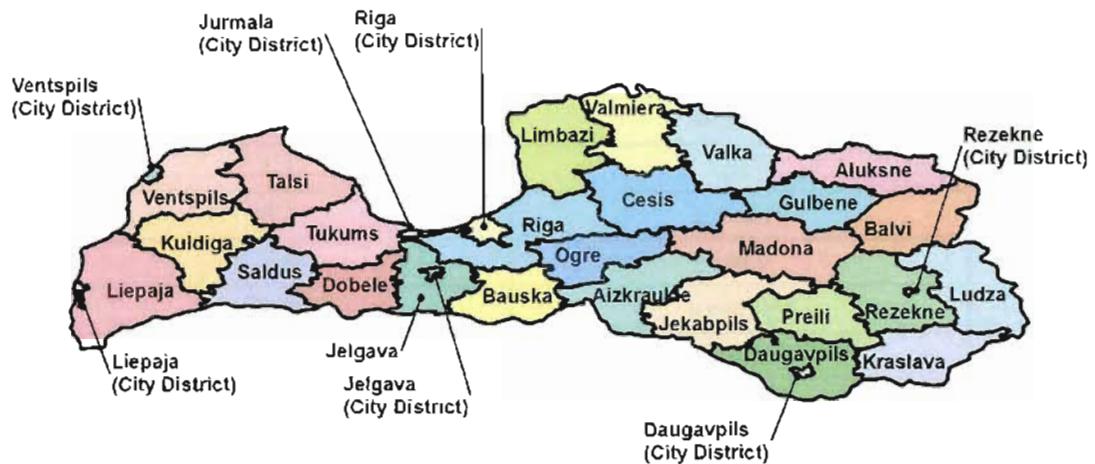
Regions (Ireland)	Mean winter temperature (°C)
Carlow	5.5
Cavan	4.7
Clare	5.9
Cork	6.3
Donegal	4.6
Galway	5.6
Kerry	6.3
Kildare	5.3
Kilkenny	5.6
Laois	5.0
Leitrim	4.6
Limerick	6.1
Longford	5.1
Louth	5.4
Mayo	5.5
Meath	5.2
Monaghan	4.7
Offaly	5.3
Roscommon	5.1
Sligo	4.9
Waterford	5.8
Westmeath	5.0
Wexford	6.2
Wicklow	5.0
* Dublin City	5.7
Fingal	5.8
South Dublin	4.7
Dún Laoghaire-Rathdown	5.1
North Tipperary	5.3
South Tipperary	5.5

Italy (country average: 5.7 °C)



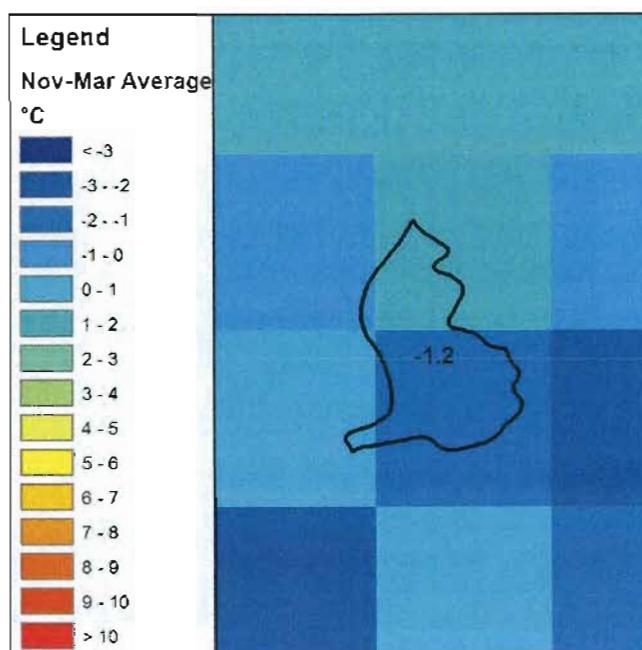
Regions (Italy)	Mean winter temperature (°C)
Trentino-Alto Adige	-2.3
Lombardia	2.5
Emilia-Romagna	4.5
Piemonte	2.6
Toscana	6.8
Valle d'Aosta	-3.8
Veneto	3.3
Friuli-Venezia Giulia	2.7
Sicilia	10.4
Lazio	7.5
Molise	6.7
Abruzzo	4.6
Umbria	6.0
Liguria	6.1
Puglia	9.0
Marche	6.0
Campania	8.0
Basilicata	7.2
Calabria	9.1
Sardegna	9.7

Latvia (country average: -2.9 °C)



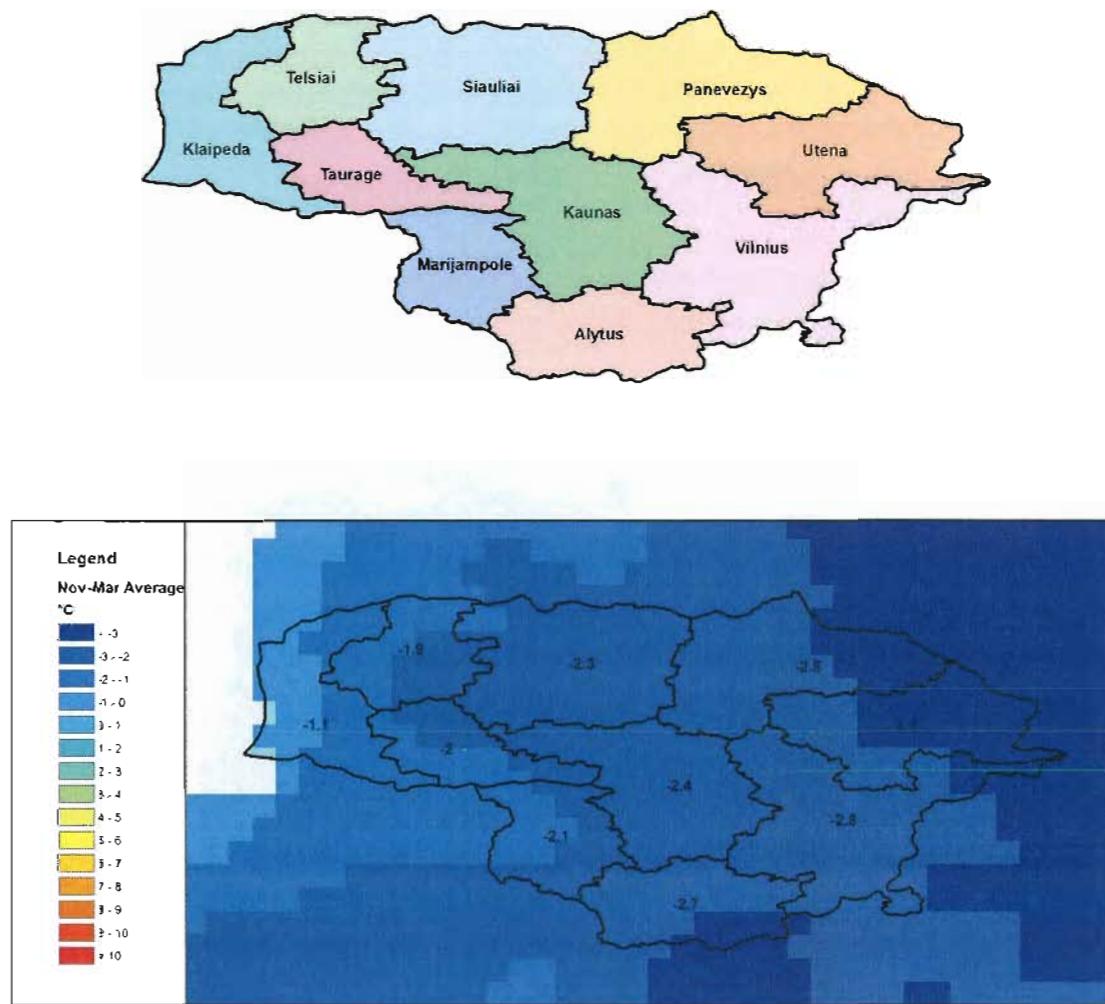
Regions (Latvia)	Mean winter temperature (°C)
Liepaja	-0.9
Ventspils	-0.7
Talsi	-1.4
Tukums	-1.8
Valka	-3.7
Valmiera	-3.3
Limbazi	-2.8
Madona	-3.9
Ogre	-3.1
Preili	-3.6
Saldus	-1.8
Cesis	-3.7
Daugavpils	-3.5
Dobele	-2.0
Gulbene	-4.1
Jekabpils	-3.5
Jelgava	-2.0
Kuldiga	-1.1
Aizkraukle	-3.2
Aluksne	-4.3
Bauska	-2.4
Riga	-2.4
Kraslava	-4.1
Ludza	-4.3
Rezekne	-4.1
Balvi	-4.2
* Liepaja (City District)	-0.6
Ventspils (City District)	-0.5
* Jelgava (City District)	-2.0
* Jurmala (City District)	-1.9
Riga (City District)	-2.1
Daugavpils (City District)	-3.4
* Rezekne (City District)	-4.2

Liechtenstein (country average: -1.2 °C)



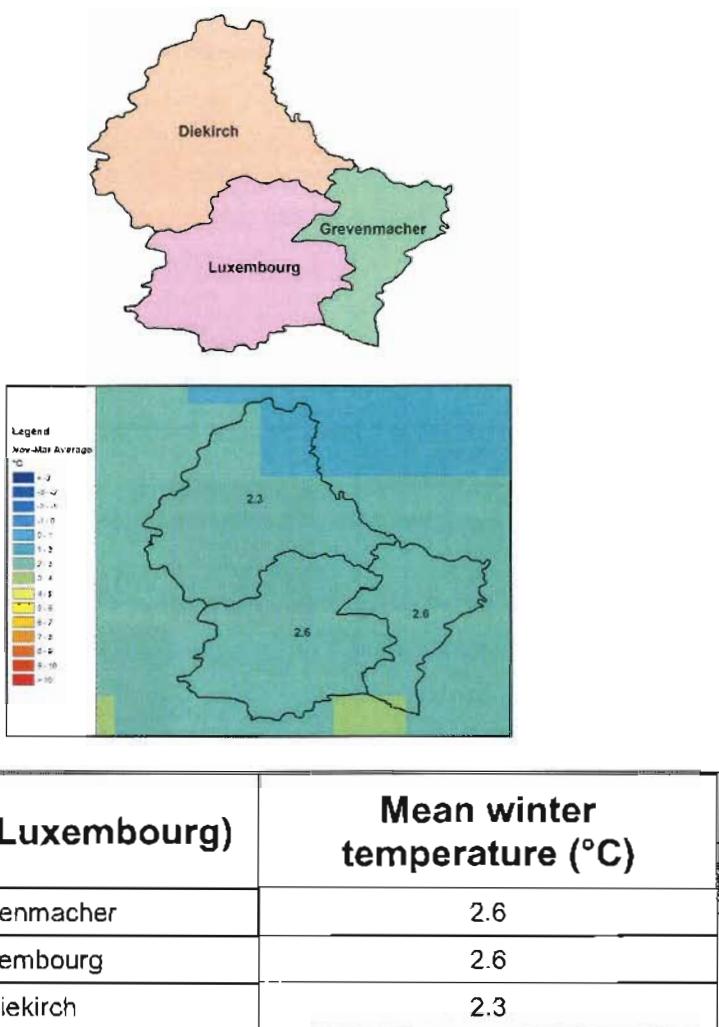
Region	Mean winter temperature (°C)
Liechtenstein	-1.2

Lithuania (country average: -2.4 °C)



Regions (Lithuania)	Mean winter temperature (°C)
Alytus	-2.7
Kaunas	-2.4
Klaipeda	-1.1
Marijampole	-2.1
Panevezys	-2.8
Siauliai	-2.3
Taurage	-2.0
Telsiai	-1.9
Utena	-3.1
Vilnius	-2.8

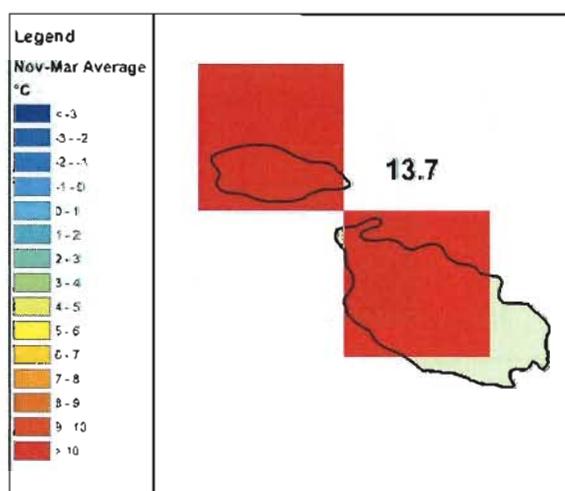
Luxembourg (country average: 2.5 °C)



Malta (country average: 13.7 °C)

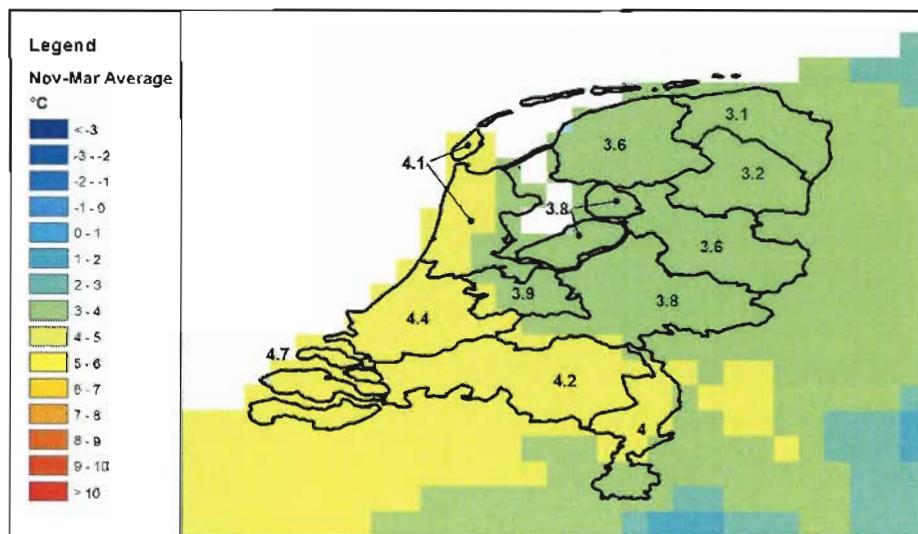
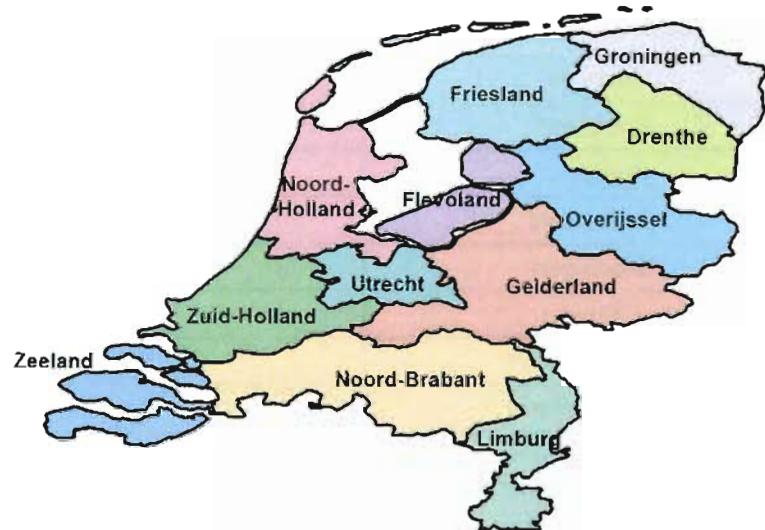


Malta



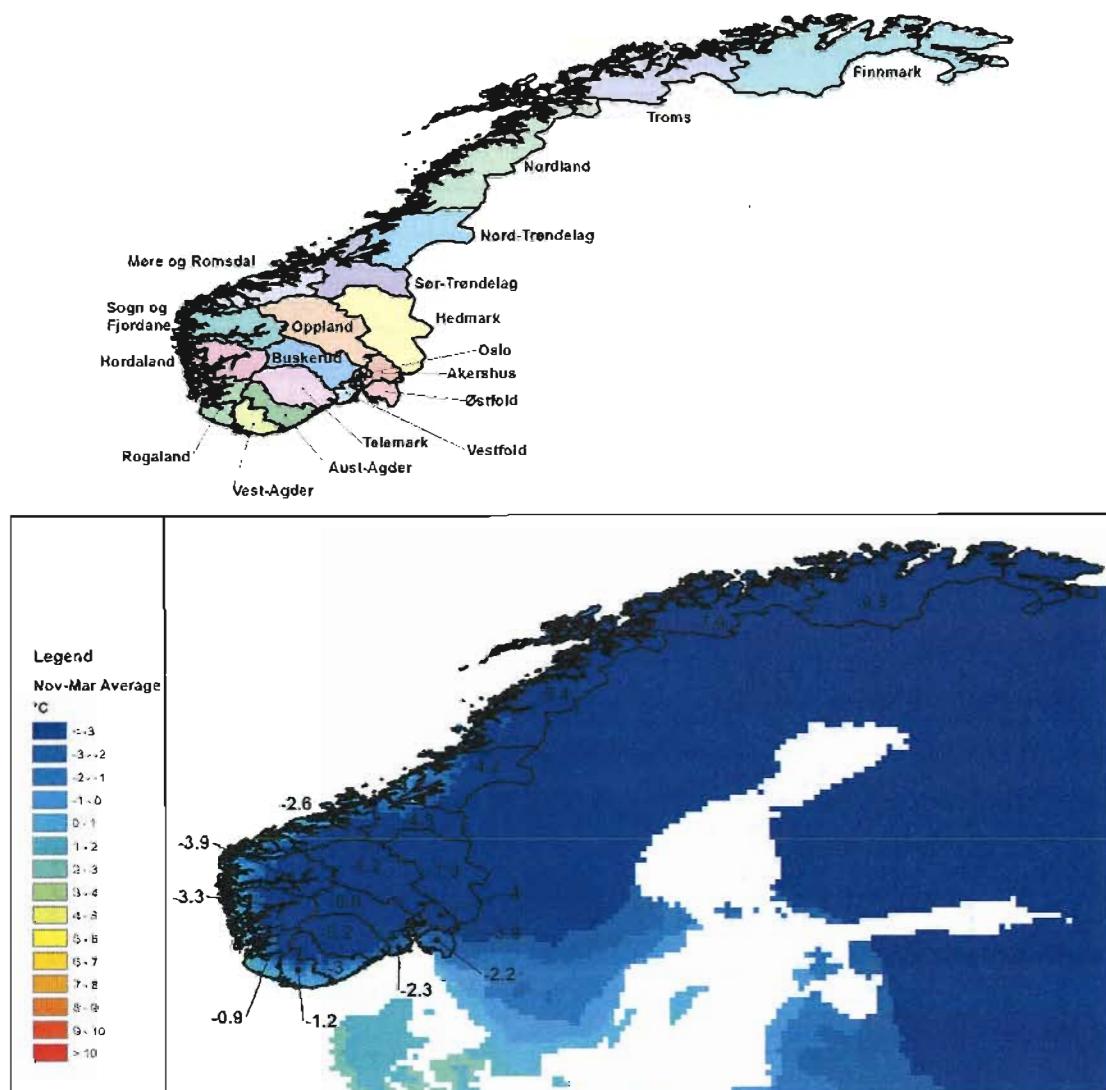
Region	Mean winter temperature (°C)
Malta	13.7

Netherlands (country average: 3.9 °C)



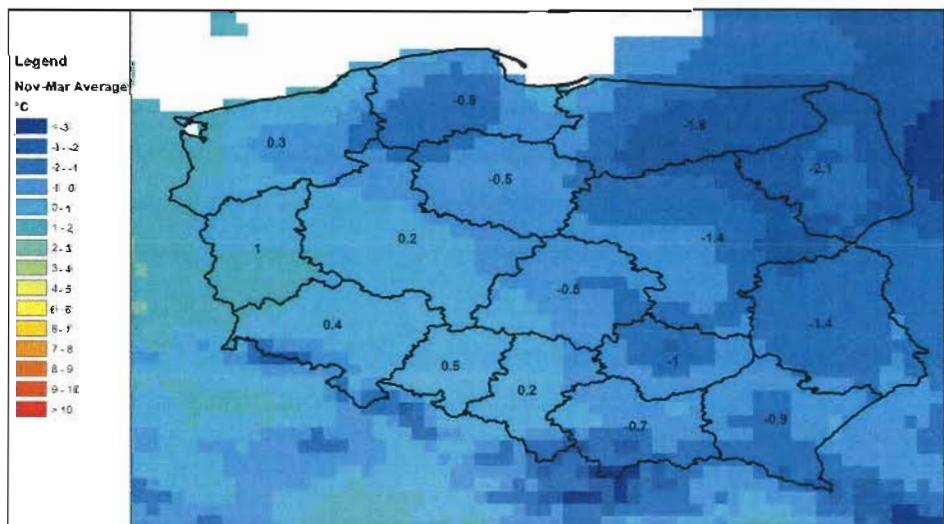
Regions (Netherlands)	Mean winter temperature (°C)
Drenthe	3.2
Flevoland	3.8
Friesland	3.6
Gelderland	3.8
Groningen	3.1
Limburg	4.0
Noord-Brabant	4.2
Noord-Holland	4.1
Overijssel	3.6
Utrecht	3.9
Zeeland	4.7
Zuid-Holland	4.4

Norway (country average: -6.1 °C)



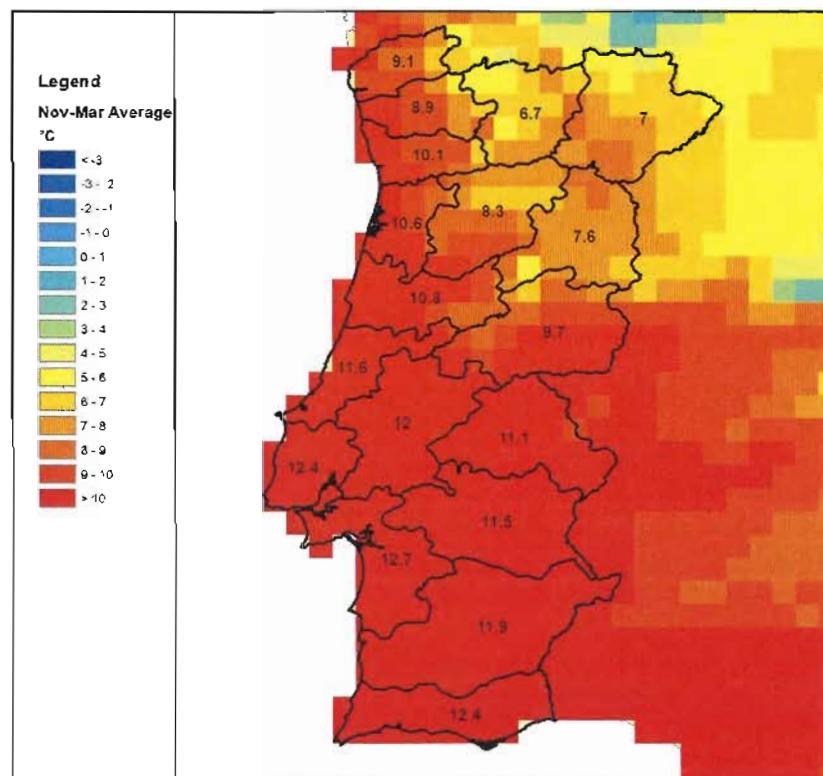
Regions (Norway)	Mean winter temperature (°C)
Akershus	-4.0
Aust-Agder	-3.0
Buskerud	-6.6
Finnmark	-9.5
Hedmark	-7.9
Hordaland	-3.3
Møre og Romsdal	-2.6
Nordland	-5.4
Oppland	-8.2
Oslo	-3.9
Østfold	-2.2
Vestfold	-2.3
Rogaland	-0.9
Sogn og Fjordane	-3.9
Sør-Trøndelag	-4.5
Telemark	-5.2
Troms	-7.9
Vest-Agder	-1.2
Nord-Trøndelag	-4.2

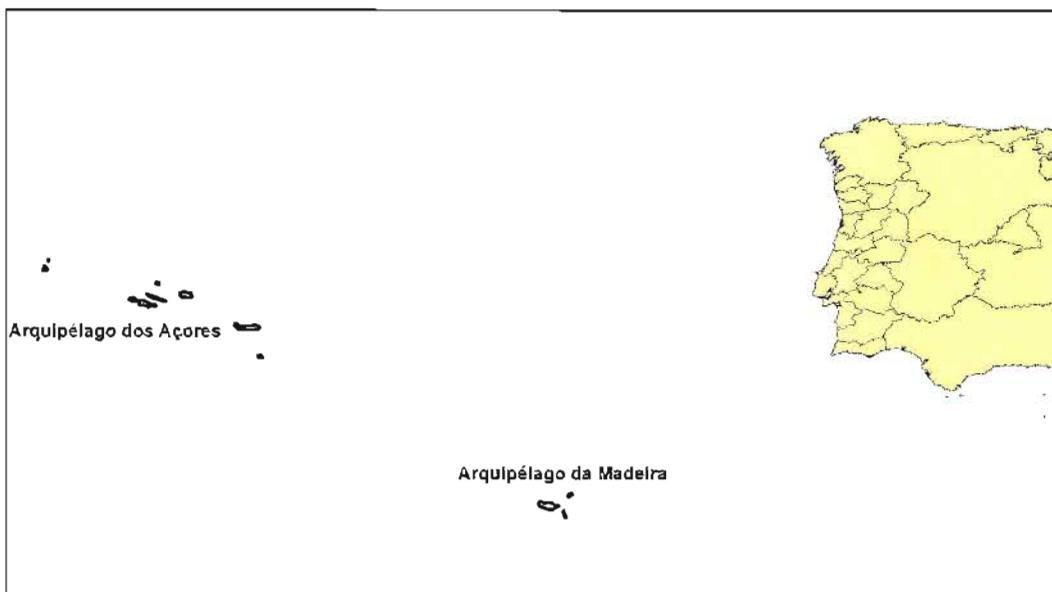
Poland (country average: -0.7 °C)



Regions (Poland)	Mean winter temperature (°C)
Zachodniopomorskie	0.3
Pomorskie	-0.9
Warmińsko-Mazurskie	-1.8
Podlaskie	-2.1
Mazowieckie	-1.4
Kujawsko-Pomorskie	-0.5
Wielkopolskie	0.2
Lubuskie	1.0
Dolnośląskie	0.4
Opolskie	0.5
Lódzkie	-0.5
Śląskie	0.2
Świętokrzyskie	-1.0
Małopolskie	-0.7
Podkarpackie	-0.9
Lubelskie	-1.4

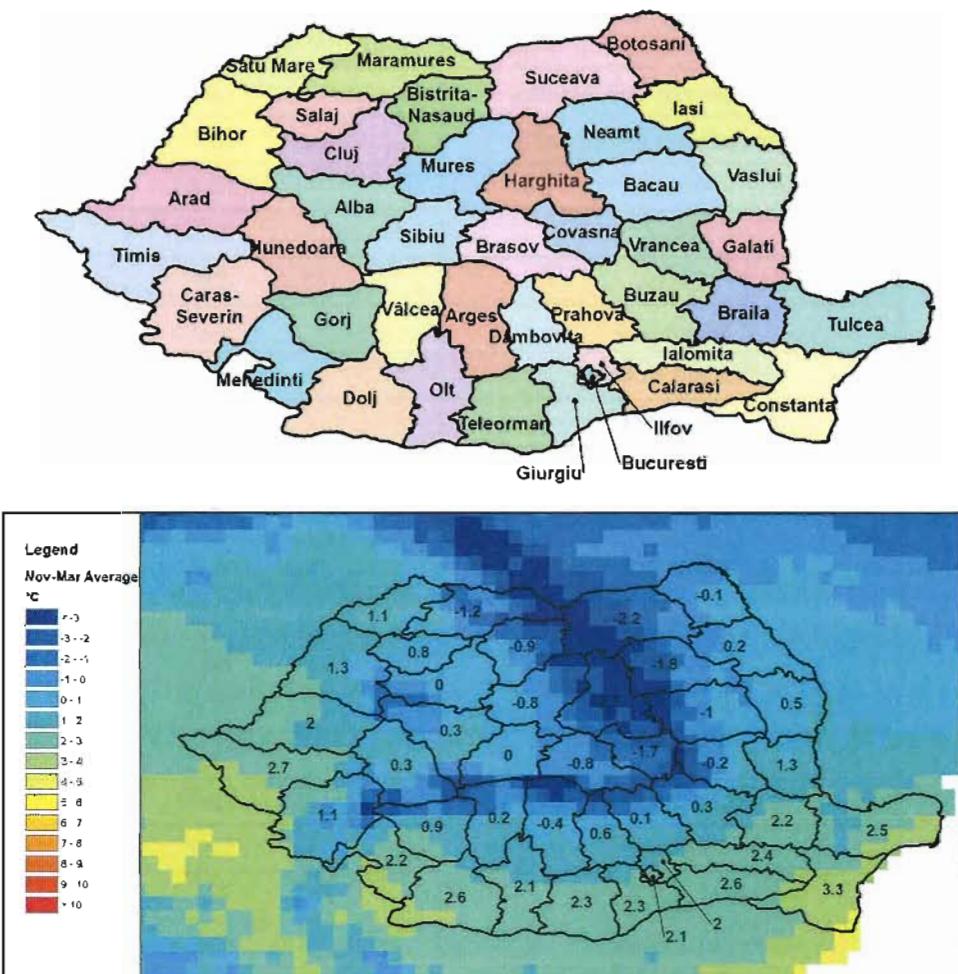
Portugal (country average: 10.3 °C without overseas territories, 10.4 °C with)





Regions (Portugal)	Mean winter temperature (°C)
# Arquipélago dos Açores	12.8
# Arquipélago da Madeira	13.4
Aveiro	10.6
Beja	11.9
Braga	8.9
Bragança	7.0
Castelo Branco	9.7
Coimbra	10.8
Évora	11.5
Faro	12.4
Guarda	7.6
Leiria	11.6
Lisboa	12.4
Portalegre	11.1
Porto	10.1
Santarém	12.0
Setúbal	12.7
Viana do Castelo	9.1
Vila Real	6.7
Viseu	8.3

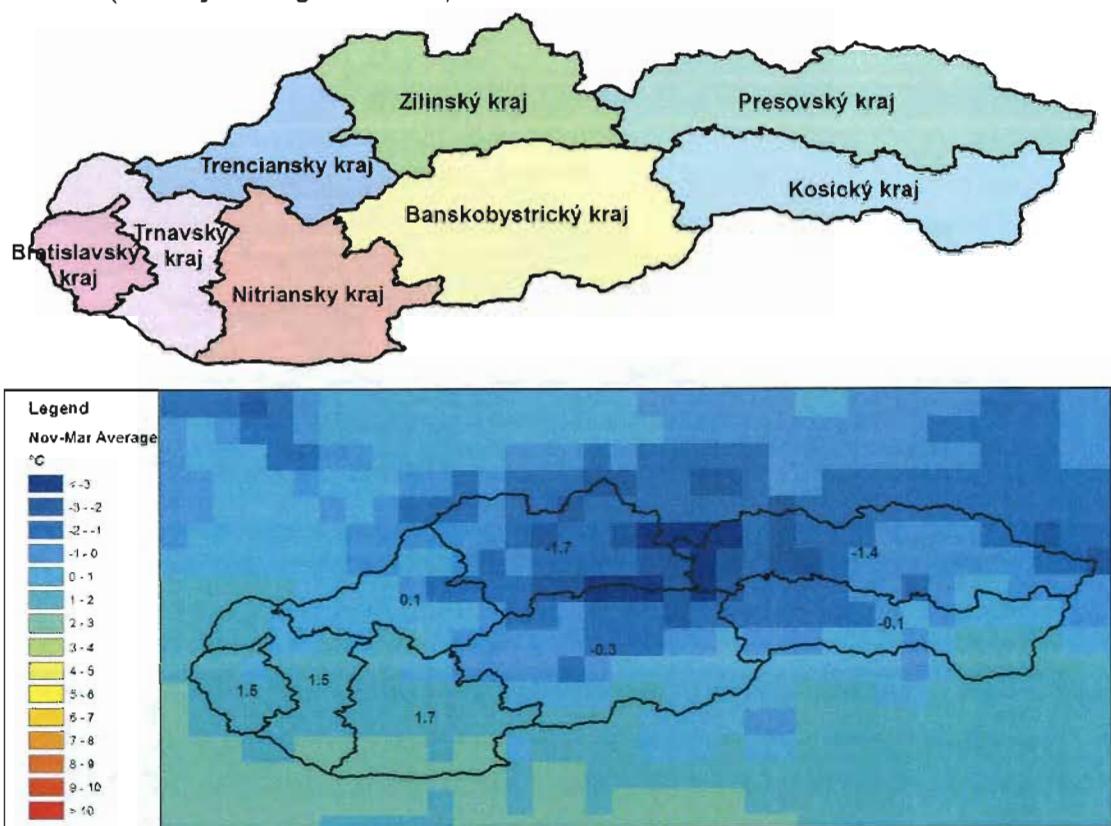
Romania (country average: 0.6 °C)



Regions (Romania)	Mean winter temperature (°C)
Alba	0.3
Arad	2.0
Arges	-0.4
Bacau	-1.0
Bihor	1.3
Bistrita-Nasaud	-0.9
Botosani	-0.1
Braila	2.2
Brasov	-0.8
Buzau	0.3
Calarasi	2.6
Caras-Severin	1.1
Cluj	0.0
Constanta	3.3
Covasna	-1.7
Dâmbovita	0.6
Dolj	2.6
Galati	1.3
Giurgiu	2.3
Gorj	0.9
Harghita	-2.7
Hunedoara	0.3
Ialomița	2.4
Iasi	0.2
Maramures	-1.2
Mehedinti	2.2
Mures	-0.8
Neamt	-1.8
Olt	2.1
Prahova	0.1
Salaj	0.8
Satu Mare	1.1
Sibiu	0.0
Suceava	-2.2
Teleorman	2.3

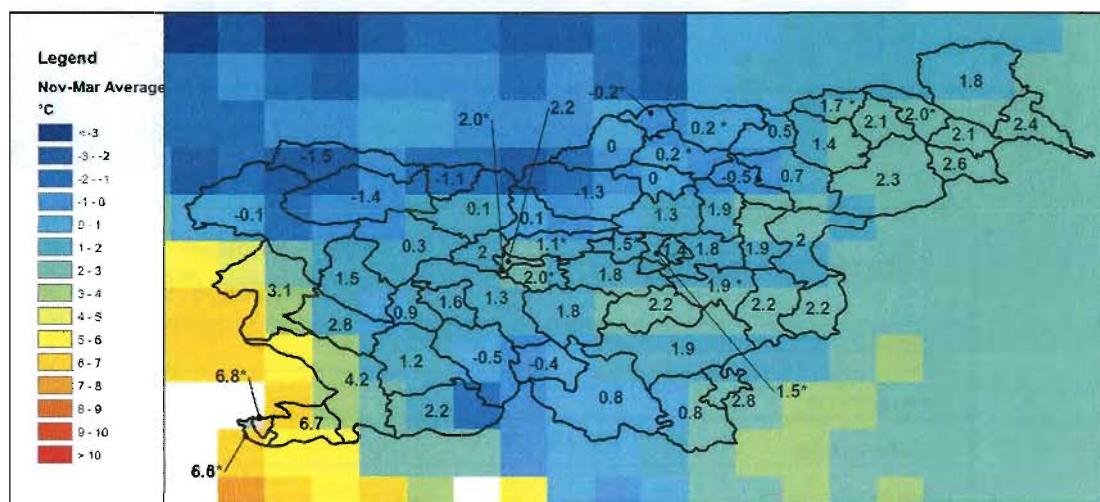
Timis	2.7
Tulcea	2.5
Vaslui	0.5
Vâlcea	0.2
Vrancea	-0.2
Bucuresti	2.1
Ilfov	2.0

Slovakia (country average: -0.2 °C)



Regions (Slovakia)	Mean winter temperature (°C)
Bratislavský kraj	1.5
Trnavský kraj	1.5
Nitriansky kraj	1.7
Trenčiansky kraj	0.1
Zilinský kraj	-1.7
Banskobystrický kraj	-0.3
Kosický kraj	-0.1
Presovský kraj	-1.4

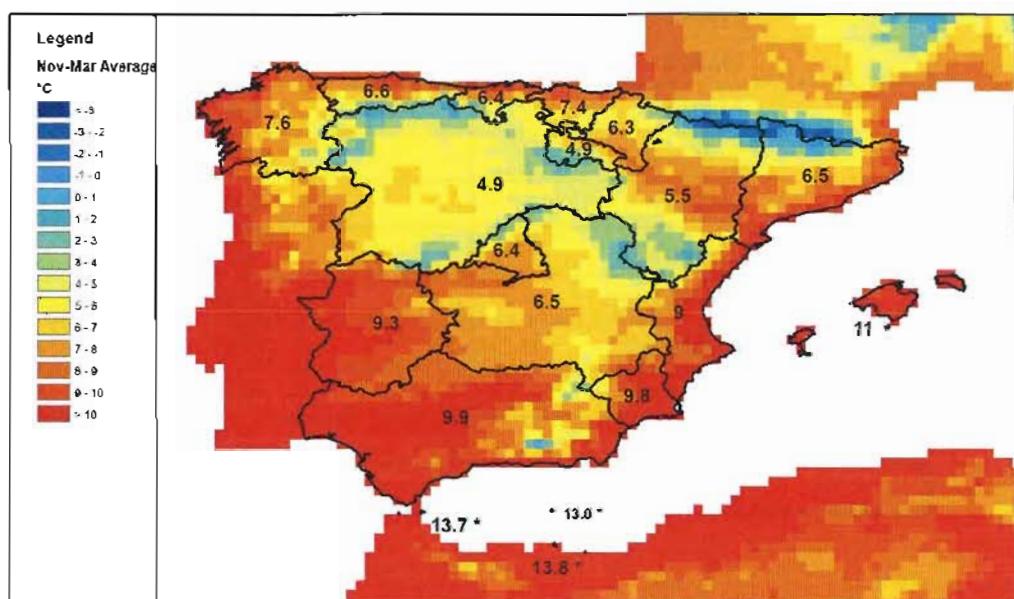
Slovenia (country average: 1.2 °C)



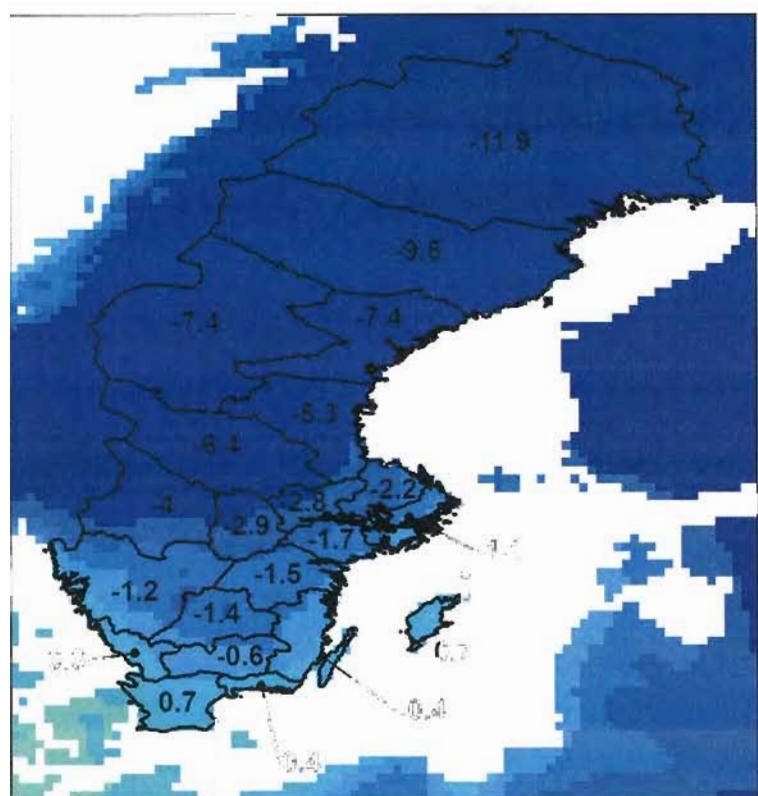
Regions (Slovenia)	Mean winter temperature (°C)
Crenomelj	0.8
Sentjur pri Celju	1.9
Skofja Loka	0.3
Smarje pri Jelsah	2.0
Zalec	1.3
Ajdovscina	2.8
Brezice	2.2
Celje	1.9
Cerknica	-0.5
* Domzale	1.1
* Dravograd	-0.2
* Gornja Radgona	2.0
Grosuplje	1.8
Hrastnik	1.4
Idrija	1.5
Ilirska Bistrica	2.2
** Izola	6.8
Jesenice	-1.5
Kamnik	0.1
Kocevje	0.8
Koper	6.7
Krsko	2.2
Kranj	0.1
Lasko	1.8
Lenart	2.1
Lendava	2.4
Litija	1.8
Ljubljana Vic Rudnik	1.3
Ljutomer	2.1
Logatec	0.9
Maribor	1.4
Metlika	2.8
Mozirje	-1.3
Murska Sobota	1.8
Nova Gorica	3.1

Novo Mesto	1.9
Ormoz	2.6
* Pesnica	1.7
* Piran	6.6
Postojna	1.2
Ptuj	2.3
* Radlje ob Dravi	0.2
Radovljica	-1.4
Ravne na Koroškem	0.0
Ribnica	-0.4
Ruse	0.5
Sezana	4.2
* Sevnica	1.9
* Slovenj Gradec	0.2
Slovenska Bistrica	0.7
Slovenske Konjice	-0.5
Tolmin	-0.1
Tržič	-1.1
Trebnje	2.2
Velenje	0.0
Vrhnika	1.6
* Trbovlje	1.5
* Zagorje ob Savi	1.5
* Ljubljana Center	2.0
* Ljubljana Moste Polje	2.0
Ljubljana Bežigrad	2.2
Ljubljana Siska	2.0

Spain (country average: 7.3 °C with overseas territories, 7.2 °C without)

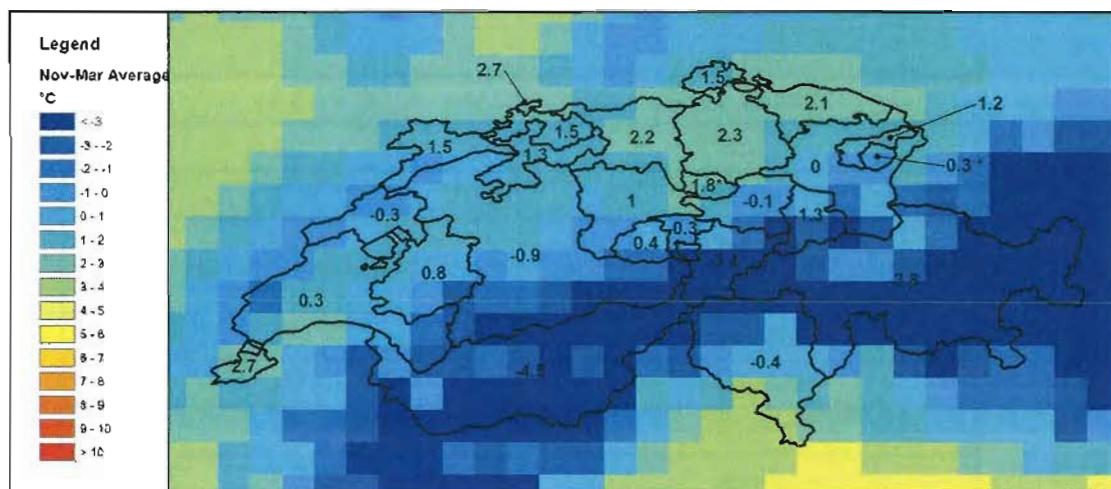
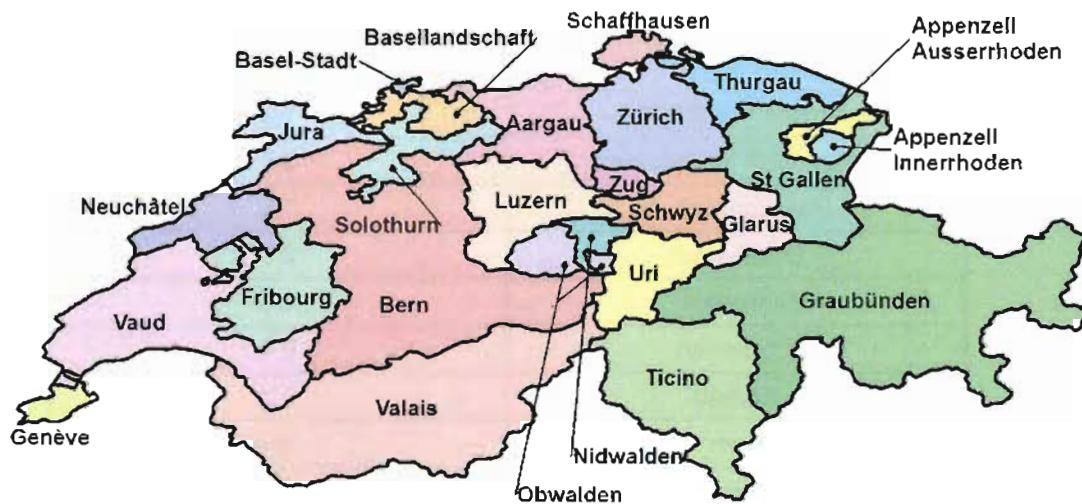


Regions (Spain)	Mean winter temperature (°C)
Andalucía	9.9
Murcia	9.8
País Vasco	7.4
Aragón	5.5
Cataluña	6.5
La Rioja	4.9
Navarra	6.3
Castilla y León	4.9
Castilla-La Mancha	6.5
Extremadura	9.3
Galicia	7.6
Madrid	6.4
Cantabria	6.4
Asturias	6.6
Valencia	9.0
* Isla de Alboran	13.0
# Illes Balears	11.0
# Islas Canarias	15.2
* # Ceuta	13.7
* # Melilla	13.8



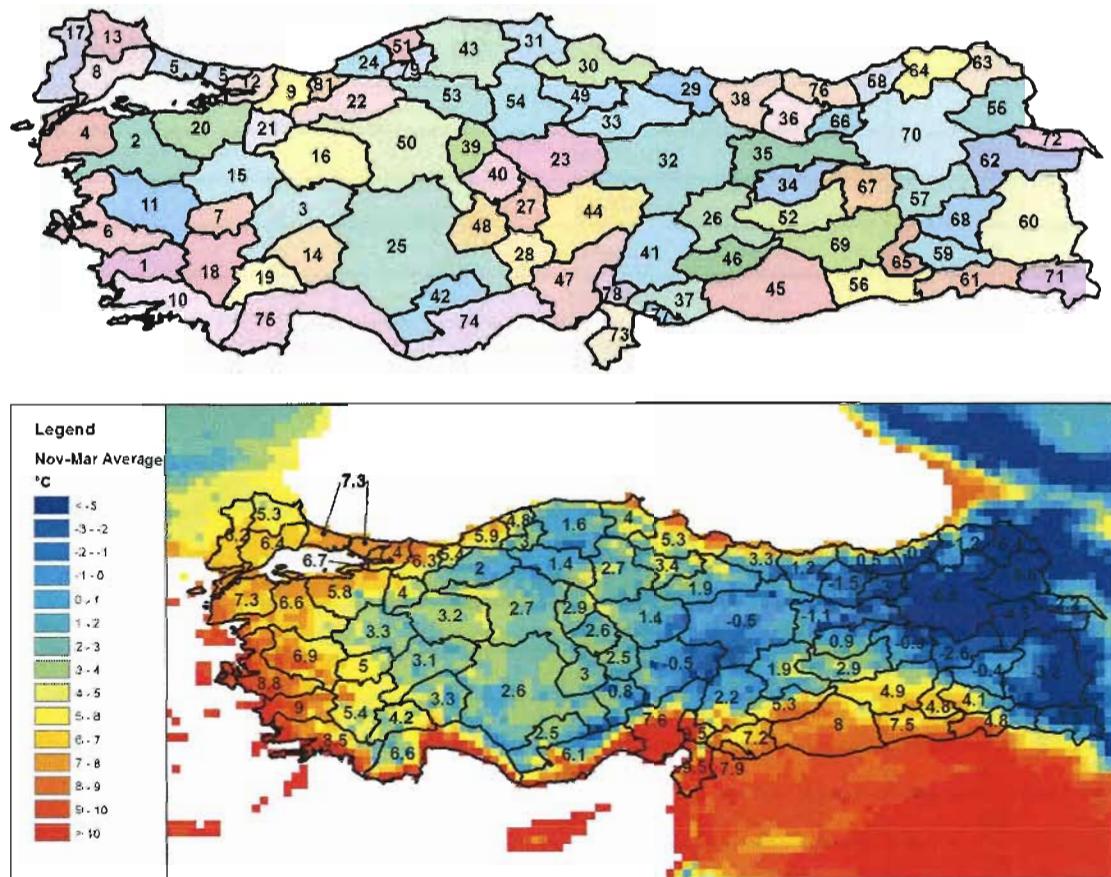
Regions (Sweden)	Mean winter temperature (°C)
Blekinge	0.4
Gävleborg	-5.3
Gotland	0.7
Halland	0.3
Jämtland	-7.4
Jönköping	-1.4
Kalmar	-0.4
Dalarna	-6.4
Kronoberg	-0.6
Norrbotten	-11.9
Örebro	-2.9
Östergötland	-1.5
Södermanland	-1.7
Stockholm	-1.1
Uppsala	-2.2
Värmland	-4.0
Västerbotten	-9.5
Västernorrland	-7.4
Västmanland	-2.8
Skåne	0.7
Västra Götaland	-1.2

Switzerland (country average: -1.1 °C)



Regions (Switzerland)	Mean winter temperature (°C)
Appenzell Ausserrhoden	1.2
* Appenzell Innerrhoden	0.3
Basellandschaft	1.5
Basel-Stadt	2.7
Nidwalden	-0.3
Obwalden	0.4
Aargau	2.2
Bern	-0.9
Fribourg	0.8
Genève	2.7
Glarus	-1.3
Graubünden	-3.8
Jura	1.5
Luzern	1.0
Neuchâtel	-0.3
Schaffhausen	1.5
Schwyz	-0.1
Solothurn	1.3
Thurgau	2.1
Ticino	-0.4
Uri	-3.4
Valais	-4.5
Vaud	0.3
* Zug	1.8
Zürich	2.3
St Gallen	0.0

Turkey (country average: 2.8 °C)

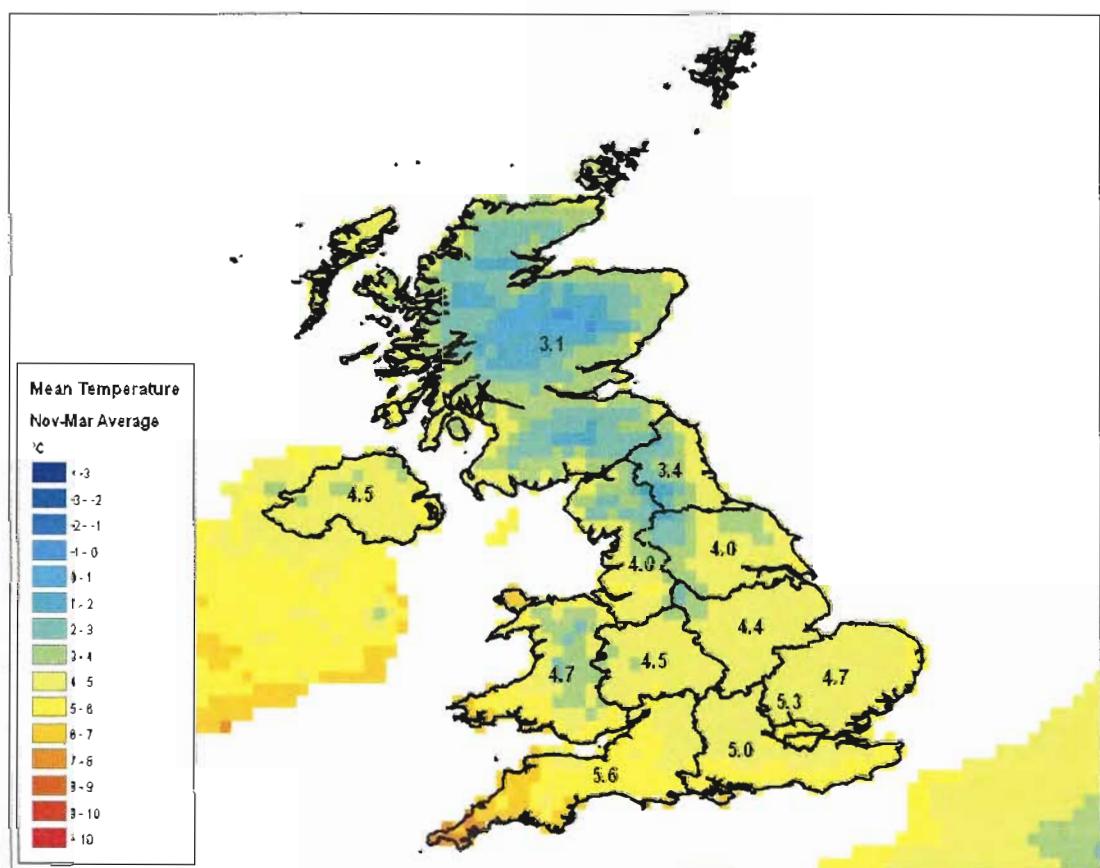
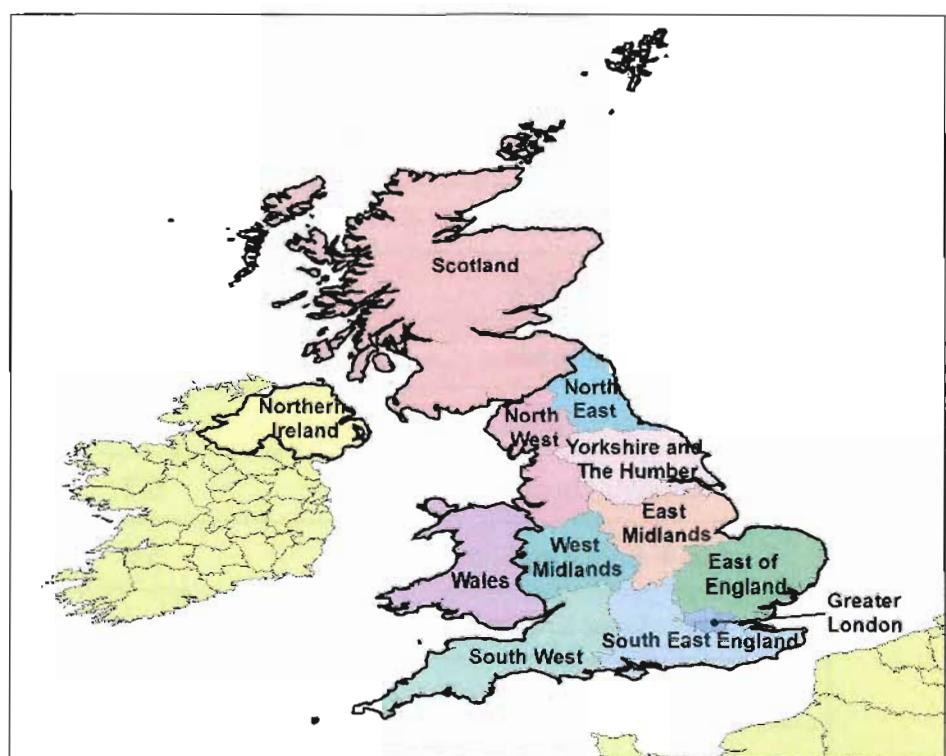


Region number (see map)	Regions (Turkey)	Mean winter temperature (°C)
1	Aydin	9.0
2	Balikesir	6.6
3	Afyon	3.1
4	Çannakkale	7.3
5	Istanbul	7.3
6	Izmir	8.8
7	Usak	5.0
8	Tekirdag	6.4
9	Sakarya	6.3
10	Mugla	8.5
11	Manisa	6.9
12	Kocaeli	7.4
13	Kirkclareli	5.3
14	Isparta	3.3
15	Kütahya	3.3
16	Eskisehir	3.2
17	Edirne	6.2
18	Denizli	5.4
19	Burdur	4.2
20	Bursa	5.8
21	Bilecik	4.0
22	Bolu	2.0
23	Yozgat	1.4
24	Zonguldak	5.9
25	Konya	2.6
26	Malatya	1.9
27	Nevsehir	2.5
28	Nigde	0.8
29	Ordu	3.3
30	Samsun	5.3
31	Sinop	4.0
32	Sivas	-0.5
33	Tokat	1.9
34	Tunceli	0.9
35	Erzincan	-1.1

36	Gümüşhane	-1.5
37	Gaziantep	7.2
38	Giresun	1.2
39	Kirikkale	2.9
40	Kırşehir	2.6
41	Kahramanmaraş	2.2
42	Karaman	2.5
43	Kastamonu	1.6
44	Kayseri	-0.5
45	Sanlıurfa	8.0
46	Adiyaman	5.3
47	Adana	7.6
48	Aksaray	3.0
49	Amasya	3.4
50	Ankara	2.7
51	Bartın	4.8
52	Elazığ	2.9
53	Çankırı	1.4
54	Çorum	2.7
55	Kars	-5.6
56	Mardin	7.5
57	Muş	-2.6
58	Rize	-0.5
59	Sıirt	4.1
60	Van	-3.2
61	Sırvan	4.8
62	Agri	-4.5
63	Ardahan	-6.4
64	Artvin	-1.2
65	Batman	4.8
66	Bayburt	-3.0
67	Bingöl	-0.9
68	Bitlis	-0.4
69	Diyarbakır	4.9
70	Erzurum	-4.4
71	Hakkâri	-1.5
72	İgdir	-2.2
73	Hatay	9.5

74	Mersin	6.1
75	Antalya	6.6
76	Trabzon	0.5
77	Kilis	7.9
78	Osmaniye	9.5
79	Karabük	3.0
80	Yalova	6.7
81	Düzce	5.4

United Kingdom (country average: 4.1 °C)



Regions (UK)	Mean winter temperature (°C)
North East England	3.4
North West England	4.0
Yorkshire and Humber	4.0
East Midlands	4.4
West Midlands	4.5
East of England	4.7
Greater London	5.3
South East England	5.0
South West England	5.6
Wales	4.7
Scotland	3.1
Northern Ireland	4.5

If printing double sided the back page should be an even number. Use this blank page to make the back page even. Delete this page if printing on single sided paper, or if your report finishes on an odd number.

