

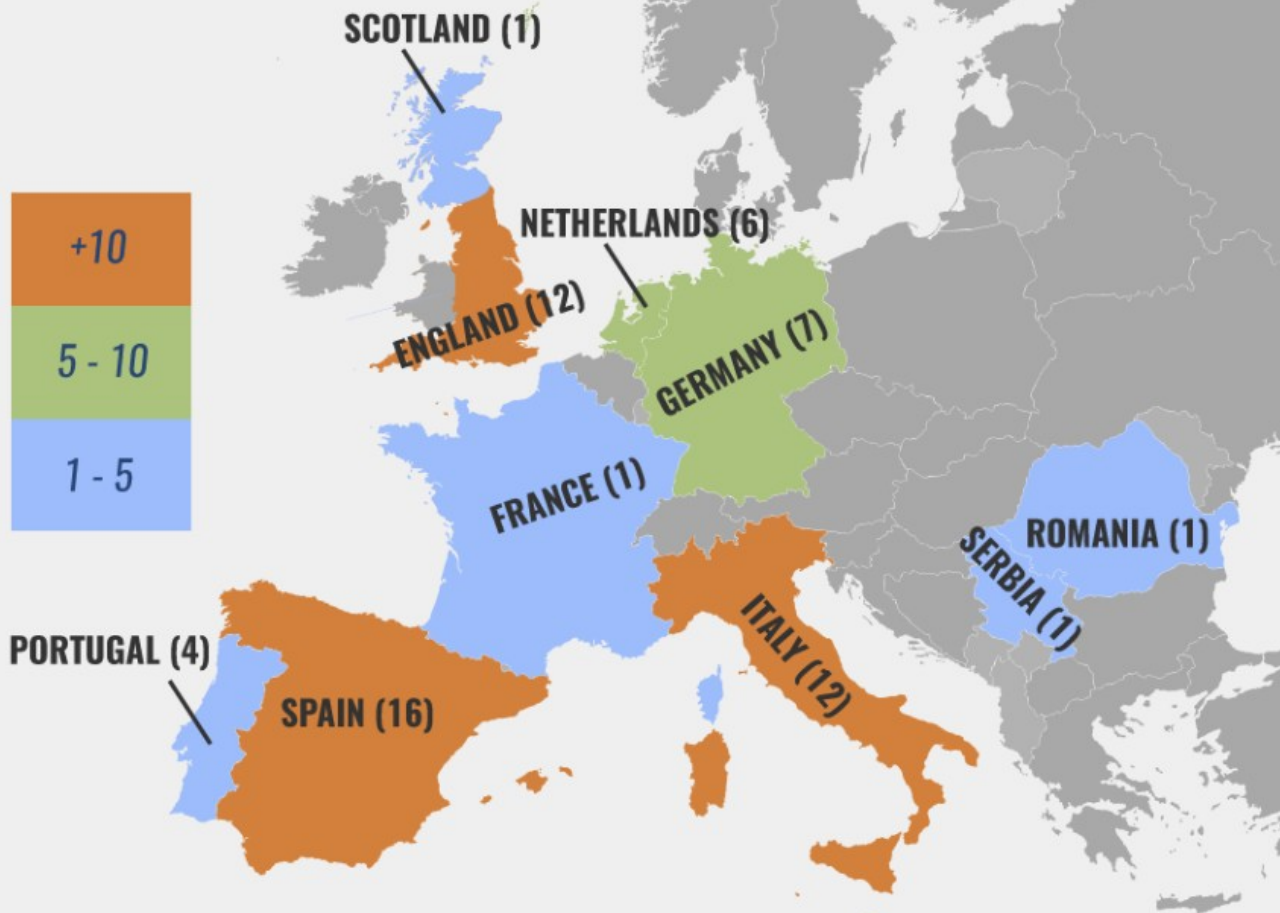
Exercice 2

- Objectif thématique : Refaire la carte des pays victorieux en UEFA Champions League.


Objectifs techniques :

- Trouver un fond de carte adapté
- Créer un fichier de données et le joindre au fond de carte
- Critiquer une carte et proposer des alternatives.

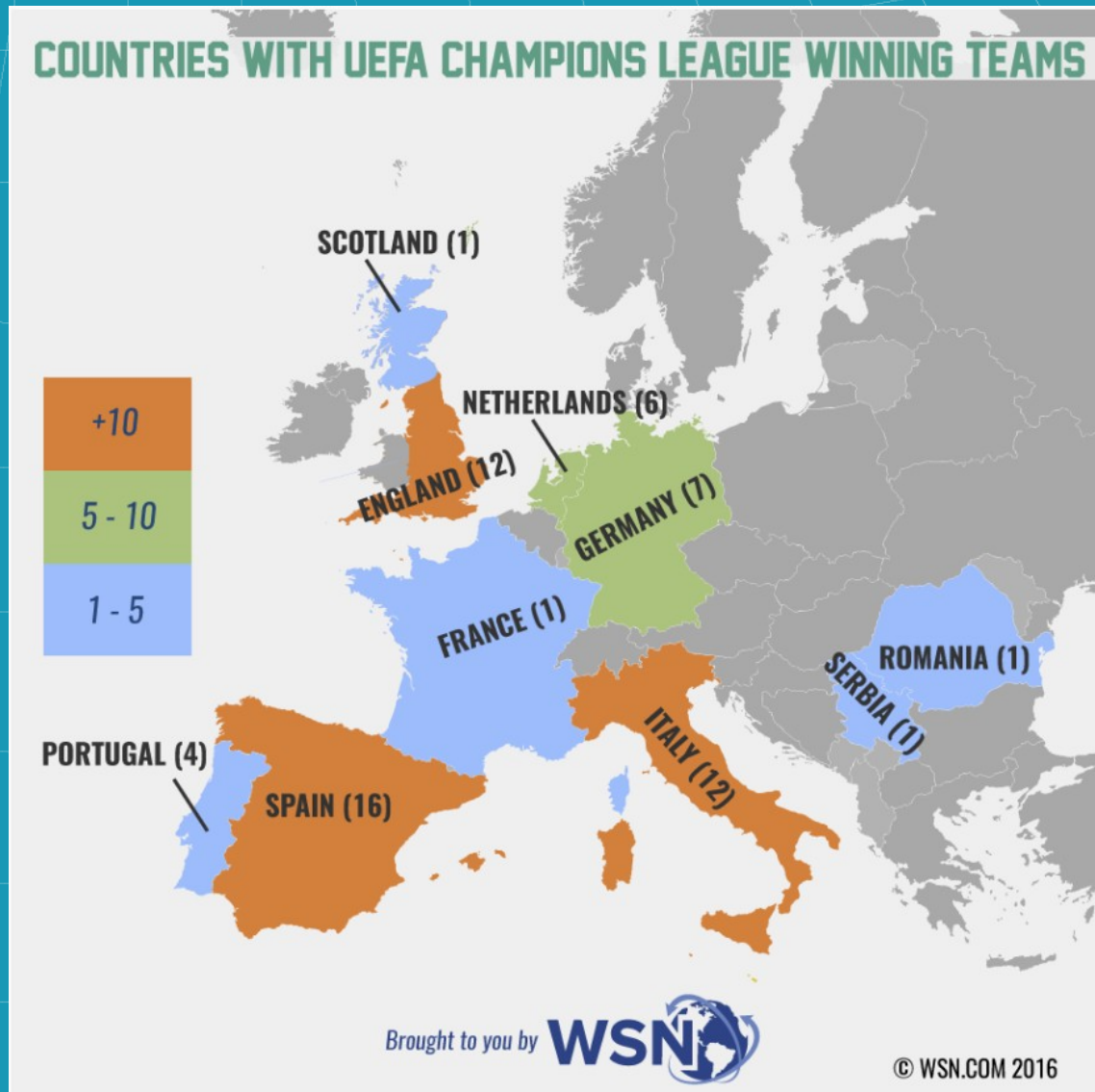
COUNTRIES WITH UEFA CHAMPIONS LEAGUE WINNING TEAMS



Exercice 2

- 
- [1] Critique de la carte
 - [2] Trouver un fond de carte adapté
 - [3] Analyser le contenu du .dbf associé au shapefile de référence (codes)
 - [4] Préparer / mettre à jour les données
 - [5] Importer géométries et données dans Magrit
 - [6] Ajuster l'étendue géographique
 - [7] Choisir la représentation
 - [8] Mise en page

[1] Critiquer la carte



[1] Critiquer la carte

- **Représentation** - Les données statistiques (quantitatives) représentées à la façon d'une typologie (qualitative).
- **Source** – non mentionnée
- **Données** – Pas forcément à jour (2016 ?) / période considérée (depuis quand ?) / quels sont les pays qui participent à la compétition ?
- **Légende** – pas claire



[2] Trouver un fond de carte

Data availability key: 10 most detailed, 50 moderate detail, 110 coarse detail

Click on boxed numbers below to jump to theme's detail page and download data.

Cultural Vector Data Themes:



10 50 110

Countries – matched boundary lines and polygons with names attributes for countries and sovereign states. Includes dependencies (French Polynesia), map units (U.S. Pacific Island Territories) and sub-national map subunits (Corsica versus mainland Metropolitan France).

10 50

Disputed areas and breakaway regions From Kashmir to the Etemi Triangle, Northern Cyprus to Western Sahara.

10 50

First order admin (provinces, departments, states, etc.) – internal boundaries and polygons for all but a few tiny island nations. Includes names attributes and some statistical groupings of the same for smaller countries.

10 50 110

Populated places – point symbols with name attributes. Includes capitals, major cities and towns, plus significant smaller towns in sparsely inhabited regions. We favor regional significance over population census in determining rankings.

10 50

Urban polygons – derived from 2002-2003 MODIS satellite data.

10

Parks and protected areas – US National Park Service units.

10 50 110

Pacific nation groupings – boxes for keeping these far-flung islands tidy.

10

Water boundary indicators – partial selection of key 200-mile nautical limits, plus some disputed, treaty, and median lines.



Natural Earth

Free vector and raster map data at
1:10m, 1:50m, and 1:110m scales

[Home](#)[Features](#)[Downloads](#)[Blog](#)[Forums](#)[Corrections](#)[About](#)

« 1:10m Cultural Vectors « Downloads

Admin 0 – Countries



There are 247 countries in the world. Greenland as separate from Denmark. Most users will want this file instead of sovereign states.

[Download countries](#) (5.12 MB) version 4.0.0

[Download without boundary lakes](#) (5.26 MB) version 4.0.0

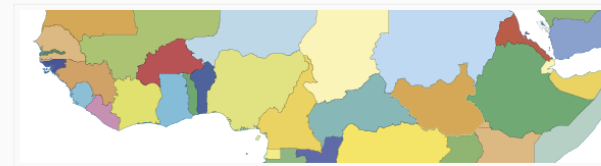
About

Countries distinguish between metropolitan (homeland) and independent and semi-independent portions of sovereign states. If you want to see the dependent overseas regions broken out (like in ISO codes, see France for example), use [map units](#) instead.

Each country is coded with a world region that roughly follows the [United Nations setup](#).

Countries are coded with standard ISO and FIPS codes. French [INSEE codes](#) are also included.

Includes some thematic data from the United Nations (1), U.S. Central Intelligence Agency, and elsewhere.



Disclaimer

Natural Earth Vector draws boundaries of countries according to defacto status. We show who actually controls the situation on the ground. Please feel free to mashup our [disputed area themes](#) to match your particular political outlook.

Known Problems

None.

Stay up to Date

Know when a new version of Natural Earth is released by subscribing to our announcement list.

Find a Problem?

Submit suggestions and bug reports via our correction system and track the progress of your edits.

Join Our Community

Talk back and discuss Natural Earth in the Forums.

Thank You

Our data downloads are generously hosted by Florida State University.

Recent Forum Topics

- Natural Earth in Wagner VII
- Downloads are 404ing
- Disputed Territories: "type" field
- ISO code confusion
- Bad ADM1NAME, encoding in version 3.0.0 and missing diacritics in NAME
- U.S. County Shape File
- Projection / Proportion / Compatibility?
- Download URLs – double slash
- map soft – writer: me
- Unicode encoding issue – ne_10m_lakes.dbf

Forum Login

[Log in](#)
- or -
[Register](#)

<http://www.naturalearthdata.com/features/>

[3] Analyser le contenu du .dbf associé au shapefile

S#	featurela C.30	LABEL*SOVEREIGNT.C.32	SOV*ADM*LEV*TYPE.C.17	ADMIN C.36	ADM*GE*GEO*COUNT.C.36
3	Admin-0 country	5.00 Netherlands	NLI 1.00 2.00 Country	Aruba	ABW 0.00 Aruba
0	Admin-0 country	3.00 Afghanistan	AFG 0.00 2.00 Sovereign country	Afghanistan	AFG 0.00 Afghanistan
0	Admin-0 country	3.00 Angola	AGO 0.00 2.00 Sovereign country	Angola	AGO 0.00 Angola
3	Admin-0 country	6.00 United Kingdom	GBI 1.00 2.00 Dependency	Anguilla	AIA 0.00 Anguilla
0	Admin-0 country	6.00 Albania	ALB 0.00 2.00 Sovereign country	Albania	ALB 0.00 Albania
3	Admin-0 country	6.00 Finland	FIN 1.00 2.00 Country	Åland	ÅLD 0.00 Åland
0	Admin-0 country	6.00 Andorra	AND 0.00 2.00 Sovereign country	Andorra	AND 0.00 Andorra
0	Admin-0 country	4.00 United Arab Emirates	ARE 0.00 2.00 Sovereign country	United Arab Emirates	ARE 0.00 United Arab Emirates
0	Admin-0 country	2.00 Argentina	ARG 0.00 2.00 Sovereign country	Argentina	ARG 0.00 Argentina
0	Admin-0 country	6.00 Armenia	ARM 0.00 2.00 Sovereign country	Armenia	ARM 0.00 Armenia
5	Admin-0 country	4.00 United States of America	USI 1.00 2.00 Dependency	American Samoa	ASM 0.00 American Samoa
0	Admin-0 country	4.00 Antarctica	ATA 0.00 2.00 Indeterminate	Antarctica	ATA 0.00 Antarctica
6	Admin-0 country	5.00 Australia	AUI 1.00 2.00 Dependency	Ashmore and Cartier Islands	ATC 0.00 Ashmore and Cartier
3	Admin-0 country	6.00 France	FR1 1.00 2.00 Dependency	French Southern and Antarctic Lands	ATF 0.00 French Southern and
3	Admin-0 country	6.00 Antigua and Barbuda	ATG 0.00 2.00 Sovereign country	Antigua and Barbuda	ATG 0.00 Antigua and Barbuda
0	Admin-0 country	2.00 Australia	AUI 1.00 2.00 Country	Australia	AUS 0.00 Australia
0	Admin-0 country	4.00 Austria	AUT 0.00 2.00 Sovereign country	Austria	AUT 0.00 Austria
0	Admin-0 country	5.00 Azerbaijan	AZE 0.00 2.00 Sovereign country	Azerbaijan	AZE 0.00 Azerbaijan
0	Admin-0 country	6.00 Burundi	BDI 0.00 2.00 Sovereign country	Burundi	BDI 0.00 Burundi
0	Admin-0 country	2.00 Belgium	BEL 0.00 2.00 Sovereign country	Belgium	BEL 0.00 Belgium
0	Admin-0 country	5.00 Benin	BEN 0.00 2.00 Sovereign country	Benin	BEN 0.00 Benin
0	Admin-0 country	3.00 Burkina Faso	BFA 0.00 2.00 Sovereign country	Burkina Faso	BFA 0.00 Burkina Faso
0	Admin-0 country	3.00 Bangladesh	BGD 0.00 2.00 Sovereign country	Bangladesh	BGD 0.00 Bangladesh
0	Admin-0 country	4.00 Bulgaria	BGR 0.00 2.00 Sovereign country	Bulgaria	BGR 0.00 Bulgaria
5	Admin-0 country	4.00 Bahrain	BHR 0.00 2.00 Sovereign country	Bahrain	BHR 0.00 Bahrain
3	Admin-0 country	4.00 The Bahamas	BHS 0.00 2.00 Sovereign country	The Bahamas	BHS 0.00 The Bahamas
0	Admin-0 country	5.00 Bosnia and Herzegovina	BH1 0.00 2.00 Sovereign country	Bosnia and Herzegovina	BH1 0.00 Bosnia and Herzegovina
6	Admin-0 country	8.00 Bajo Nuevo Bank (Petrel Is.)	BJN 0.00 2.00 Indeterminate	Bajo Nuevo Bank (Petrel Is.)	BJN 0.00 Bajo Nuevo Bank (Pe
6	Admin-0 country	6.00 France	FR1 1.00 2.00 Dependency	Saint Barthélemy	BLM 0.00 Saint Barthélemy
0	Admin-0 country	4.00 Belarus	BLR 0.00 2.00 Sovereign country	Belarus	BLR 0.00 Belarus
0	Admin-0 country	6.00 Belize	BLZ 0.00 2.00 Sovereign country	Belize	BLZ 0.00 Belize
5	Admin-0 country	6.00 United Kingdom	GB1 1.00 2.00 Dependency	Bermuda	BMU 0.00 Bermuda
0	Admin-0 country	3.00 Bolivia	BOL 0.00 2.00 Sovereign country	Bolivia	BOL 0.00 Bolivia
0	Admin-0 country	2.00 Brazil	BRA 0.00 2.00 Sovereign country	Brazil	BRA 0.00 Brazil
3	Admin-0 country	5.00 Barbados	BRB 0.00 2.00 Sovereign country	Barbados	BRB 0.00 Barbados
0	Admin-0 country	6.00 Brunei	BRN 0.00 2.00 Sovereign country	Brunei	BRN 0.00 Brunei
0	Admin-0 country	5.00 Bhutan	BTN 0.00 2.00 Sovereign country	Bhutan	BTN 0.00 Bhutan
0	Admin-0 country	4.00 Botswana	BWA 0.00 2.00 Sovereign country	Botswana	BWA 0.00 Botswana
0	Admin-0 country	4.00 Central African Republic	CAF 0.00 2.00 Sovereign country	Central African Republic	CAF 0.00 Central African Rep.
0	Admin-0 country	2.00 Canada	CAN 0.00 2.00 Sovereign country	Canada	CAN 0.00 Canada
0	Admin-0 country	4.00 Switzerland	CHE 0.00 2.00 Sovereign country	Switzerland	CHE 0.00 Switzerland
0	Admin-0 country	2.00 Chile	CHL 0.00 2.00 Sovereign country	Chile	CHL 0.00 Chile
0	Admin-0 country	2.00 China	CH1 1.00 2.00 Country	China	CHN 0.00 China
0	Admin-0 country	3.00 Ivory Coast	CIV 0.00 2.00 Sovereign country	Ivory Coast	CIV 0.00 Côte d'Ivoire
6	Admin-0 country	5.00 France	FR1 1.00 2.00 Dependency	Clipperton Island	CLP 0.00 Clipperton I.
0	Admin-0 country	3.00 Cameroon	CMR 0.00 2.00 Sovereign country	Cameroon	CMR 0.00 Cameroon
1	Admin-0 country	9.00 Cyprus No Mans Area	CNM 0.00 2.00 Indeterminate	Cyprus No Mans Area	CNM 1.00 Cyprus U.N. Buffer Zone
0	Admin-0 country	2.00 Democratic Republic of the Congo	COD 0.00 2.00 Sovereign country	Democratic Republic of the Congo	COD 0.00 Dem. Rep. Congo
0	Admin-0 country	4.00 Republic of the Congo	COG 0.00 2.00 Sovereign country	Republic of the Congo	COG 0.00 Congo
5	Admin-0 country	4.00 New Zealand	NZ1 1.00 2.00 Dependency	Cook Islands	CKI 0.00 Cook Is.
0	Admin-0 country	2.00 Colombia	COL 0.00 2.00 Sovereign country	Colombia	COL 0.00 Colombia
3	Admin-0 country	6.00 Comoros	COM 0.00 2.00 Sovereign country	Comoros	COM 0.00 Comoros
3	Admin-0 country	4.00 Cabo Verde	CPV 0.00 2.00 Sovereign country	Cabo Verde	CPV 0.00 Cabo Verde
0	Admin-0 country	5.00 Costa Rica	CRI 0.00 2.00 Sovereign country	Costa Rica	CRI 0.00 Costa Rica
6	Admin-0 country	5.00 Australia	AUI 1.00 2.00 Dependency	Coral Sea Islands	CSI 0.00 Coral Sea Is.
0	Admin-0 country	3.00 Cuba	CUB 0.00 2.00 Sovereign country	Cuba	CUB 0.00 Cuba

ne_10m_admin_0_countries.zip (Version d'évaluation)

Fichier Commandes Outils Favoris Options Aide

Ajouter Extraire vers Tester Afficher Supprimer Rechercher Assistant Informatio

ne_10m_admin_0_countries.zip - ZIP archive, la taille non compressée est de 9 17

Nom

- ..
- ne_10m_admin_0_countries.VERSION.txt
- ne_10m_admin_0_countries.shx
- ne_10m_admin_0_countries.shp
- ne_10m_admin_0_countries.README.html
- ne_10m_admin_0_countries.prj
- ne_10m_admin_0_countries.dbf
- ne_10m_admin_0_countries.cpg

BTN	0.00 Bhutan	BTN	0.00 Bhutan	Bhutan	BTN	Bhutan
BWA	0.00 Botswana	BWA	0.00 Botswana	Botswana	BWA	Botswana
CAF	0.00 Central African Republic	CAF	0.00 Central African Rep.	Central African Republic	CAF	Central African Rep.
CAN	0.00 Canada	CAN	0.00 Canada	Canada	CAN	Canada
CHE	0.00 Switzerland	CHE	0.00 Switzerland	Switzerland	CHE	Switzerland
CHL	0.00 Chile	CHL	0.00 Chile	Chile	CHL	Chile
CHN	0.00 China	CHN	0.00 China	China	CHN	China
CIV	0.00 Côte d'Ivoire	CIV	0.00 Côte d'Ivoire	Côte d'Ivoire	CIV	Côte d'Ivoire
CLP	0.00 Clipperton Island	CLP	0.00 Clipperton I.	Clipperton Island	CLP	Clipperton I.
CMR	0.00 Cameroon	CMR	0.00 Cameroon	Cameroon	CMR	Cameroon
CNM	0.00 Cyprus U.N. Buffer Zone	CNM	1.00 Cyprus U.N. Buffer Zone	Cyprus U.N. Buffer Zone	CNM	B43 Cyprus U.N. Buffer Zone
COD	0.00 Democratic Republic of the Congo	COD	0.00 Democratic Republic of the Congo	Democratic Republic of the Congo	COD	Democratic Republic of the Congo
COG	0.00 Republic of the Congo	COG	0.00 Congo	Republic of the Congo	COG	Republic of the Congo
CKI	0.00 Cook Islands	CKI	0.00 Cook Is.	Cook Islands	CKI	Cook Is.
COL	0.00 Colombia	COL	0.00 Colombia	Colombia	COL	Colombia
COM	0.00 Comoros	COM	0.00 Comoros	Comoros	COM	Comoros
CPV	0.00 Cabo Verde	CPV	0.00 Cabo Verde	Republic of Cabo Verde	CPV	Cabo Verde
CRI	0.00 Costa Rica	CRI	0.00 Costa Rica	Costa Rica	CRI	Costa Rica
CSI	0.00 Coral Sea Islands	CSI	0.00 Coral Sea Is.	Coral Sea Islands	CSI	Coral Sea Is.
CUB	0.00 Cuba	CUB	0.00 Cuba	Cuba	CUB	Cuba

Codes et noms des pays du
fichier de géométries



Ne pas modifier le
fichier .dbf !

[4] Préparer et mettre à jour les données

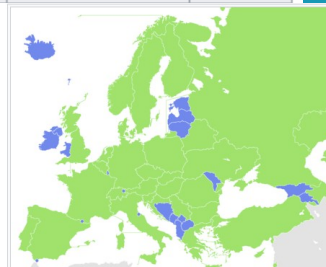
id	name	nb_victoires	part_victoires
ERI	Eritrea		
ESB	Dhekelia Sovereign Base Area		
ESP	Spain	17	27,4193548
EST	Estonia	0	0
ETH	Ethiopia		
FIN	Finland	0	0
FJI	Fiji		
FLK	Falkland Islands		
FRA	France	1	1,61290323
FRO	Faroe Islands	0	0
FSM	Federated States of Micronesia		
GAB	Gabon		
GBR	United Kingdom	13	20,9677419
GEO	Georgia	0	0
GGY	Guernsey		
GHA	Ghana		
GIB	Gibraltar		
GIN	Guinea		
GMB	Gambia		
GNB	Guinea-Bissau		
GNQ	Equatorial Guinea		
GRC	Greece	0	0

UEFA Champions League

From Wikipedia, the free encyclopedia

Performance in Finals by nation

Nation	Winners	Runners-up	Total
 Spain	17		
 Italy	12		
 England	12		
 Germany [A]	7		
 Netherlands	6		
 Portugal	4		
 France	1		
 Romania [B]	1	1	2
 Scotland	1	1	2
 Yugoslavia	1	1	2
 Belgium	0	1	1
 Greece	0	1	1
 Sweden	0	1	1
TOTALS	62	62	124

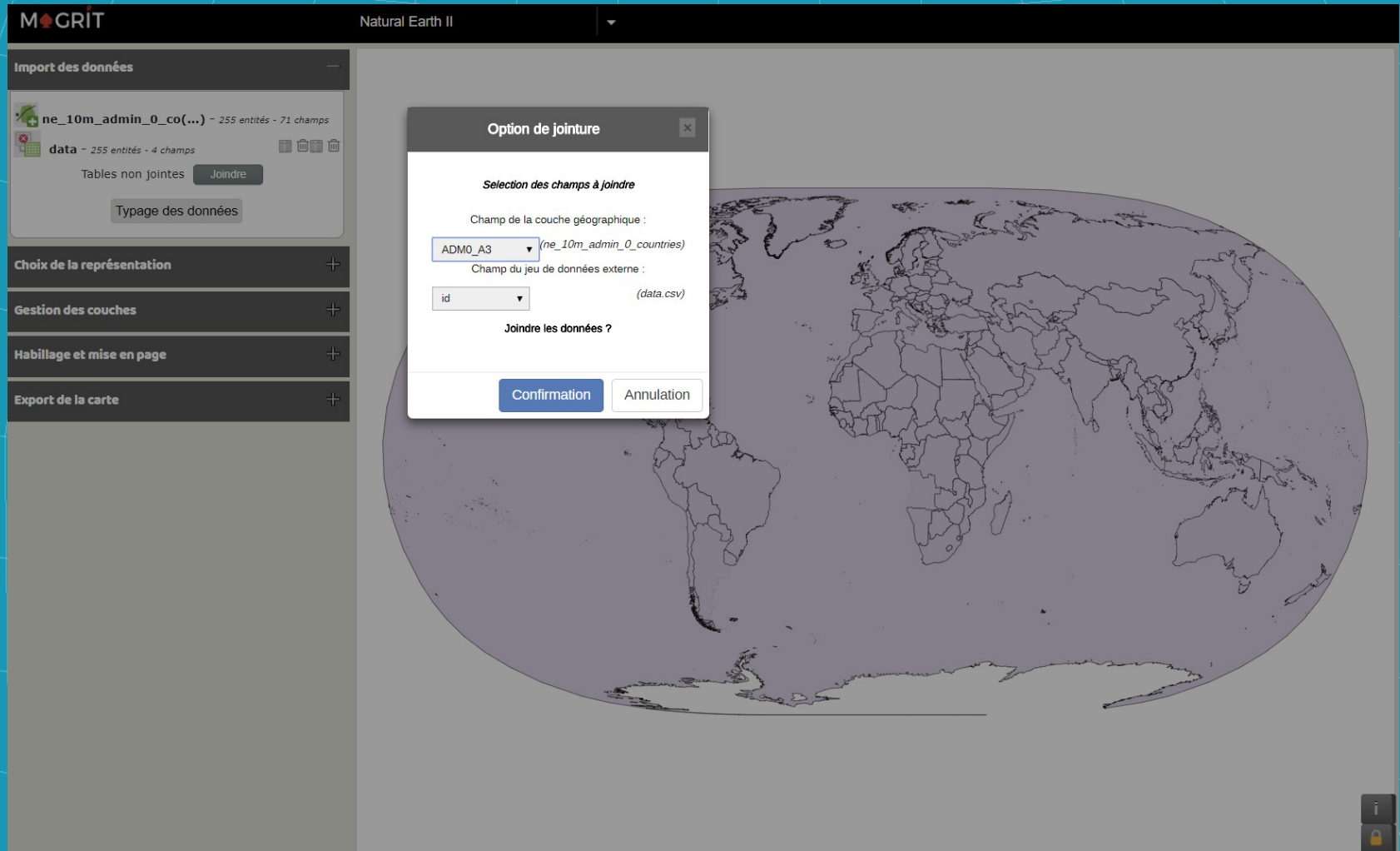


Map of UEFA countries whose teams reached the group stage of the UEFA Champions League
 ■ UEFA member country that has been represented in the group stage
 ■ UEFA member country that has not been represented in the group stage



- Rattacher la victoire de l'équipe écossaise de Glasgow au Royaume-Uni et celle de l'équipe yougoslave de Belgrade à la Serbie
- Supprimer les pays non membres de la Ligue de foot européenne

[5] Importer géométries et données dans Magrit



Import et jointure

[5] Importer géométries et données dans Magrit

The screenshot displays the Magrit web application interface. On the left, a sidebar contains navigation options: 'Import des données', 'Choix de la représentation', 'Gestion des couches', 'Habillage et mise en page', and 'Export de la carte'. The 'Import des données' panel shows two data sources: 'ne_10m_admin_0_co(...)' with 255 entities and 71 fields, and 'data' with 255 entities and 4 fields. A 'Joindre' button is visible. A modal window titled 'Option de jointure' is open, showing the 'Selection des champs à joindre' section. It includes a dropdown for 'ADM0_A3' (linked to 'ne_10m_admin_0_countries') and a dropdown for 'id' (linked to 'data.csv'). Below this, a 'Joindre les données ?' section contains 'Confirmation' and 'Annulation' buttons. A large confirmation dialog is overlaid on the right, featuring a question mark icon and the text: 'Confirmation! Jointure partielle: 50/241 geometries ont trouvé une correspondance. Valider ?'. At the bottom of this dialog are 'Oui' and 'Non' buttons. The background shows a map of the world.

Import et jointure

[7] Choix de la représentation

MGRIT ETRS89 / LAEA Europe

Import des données +

Choix de la représentation +

représentation : Carte de stocks

Champ: nb_victoires ▼

Taille fixée px: 30

sur la valeur ...: 17

Type de symbole: Carré ▼

Couleur du symbole: Une couleur ▼

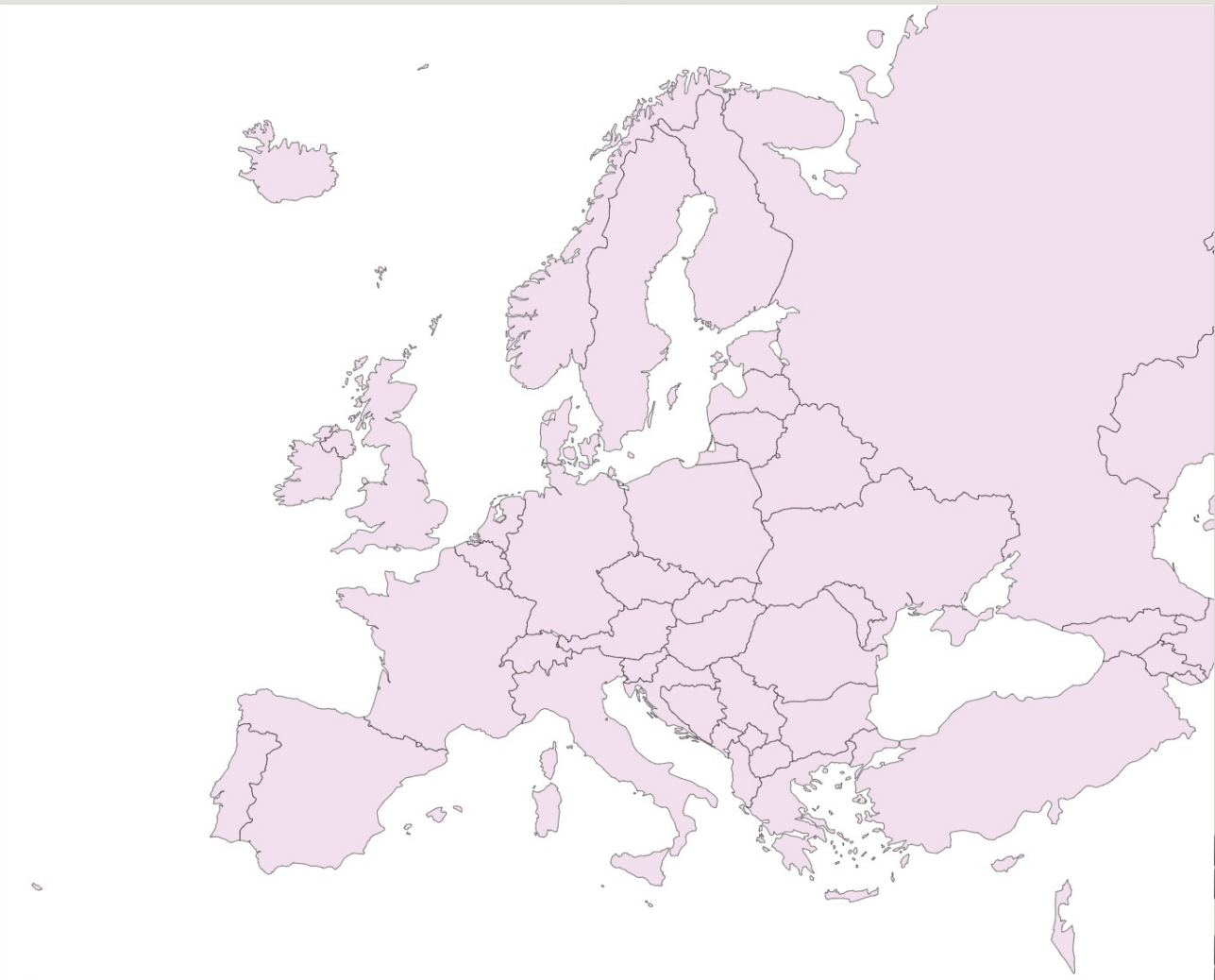
Nom du résultat: PropSymbol_nb_victoires_ne_50m_admin_0_c

Dessiner le résultat

Gestion des couches +

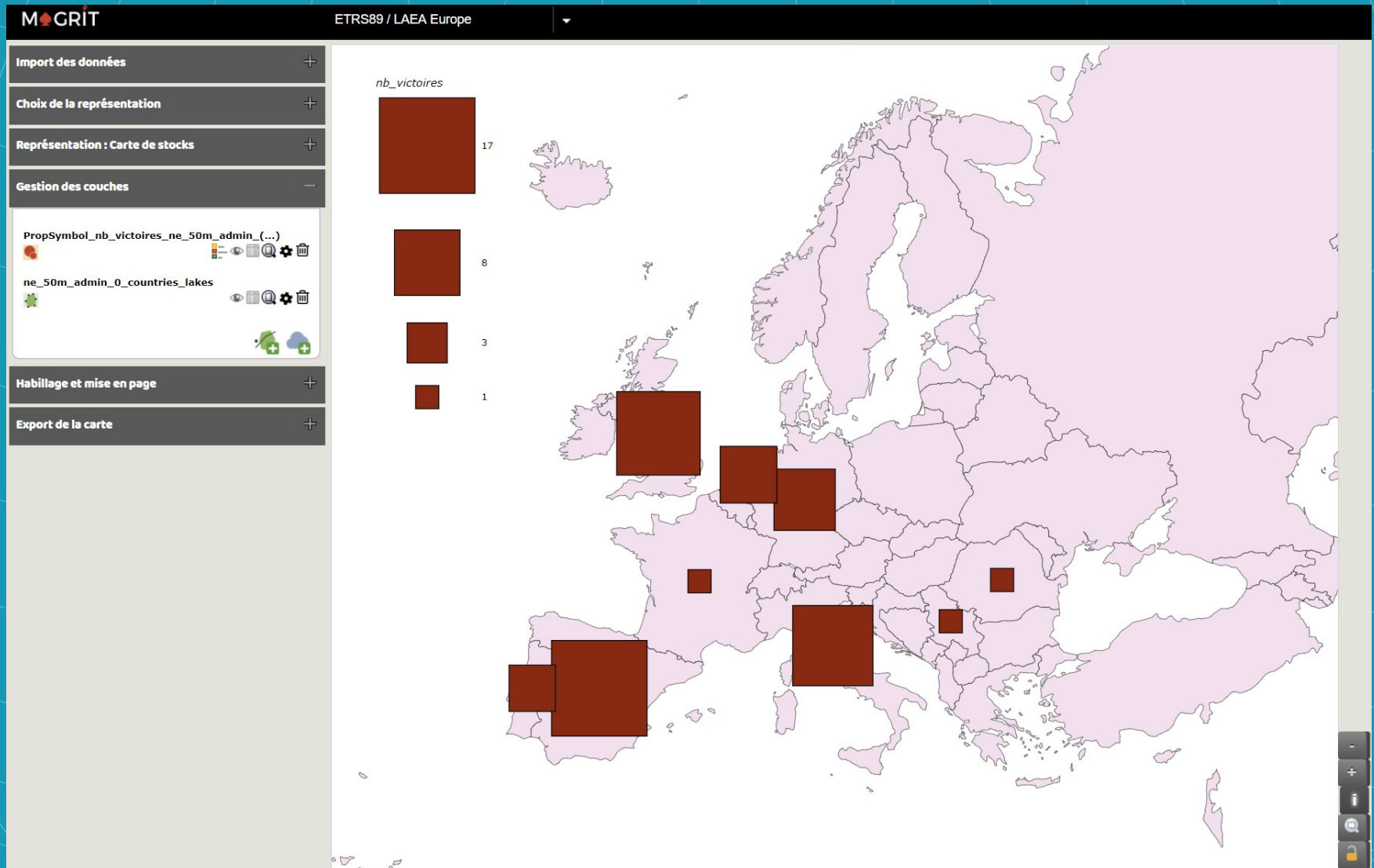
Habillage et mise en page +

Export de la carte +



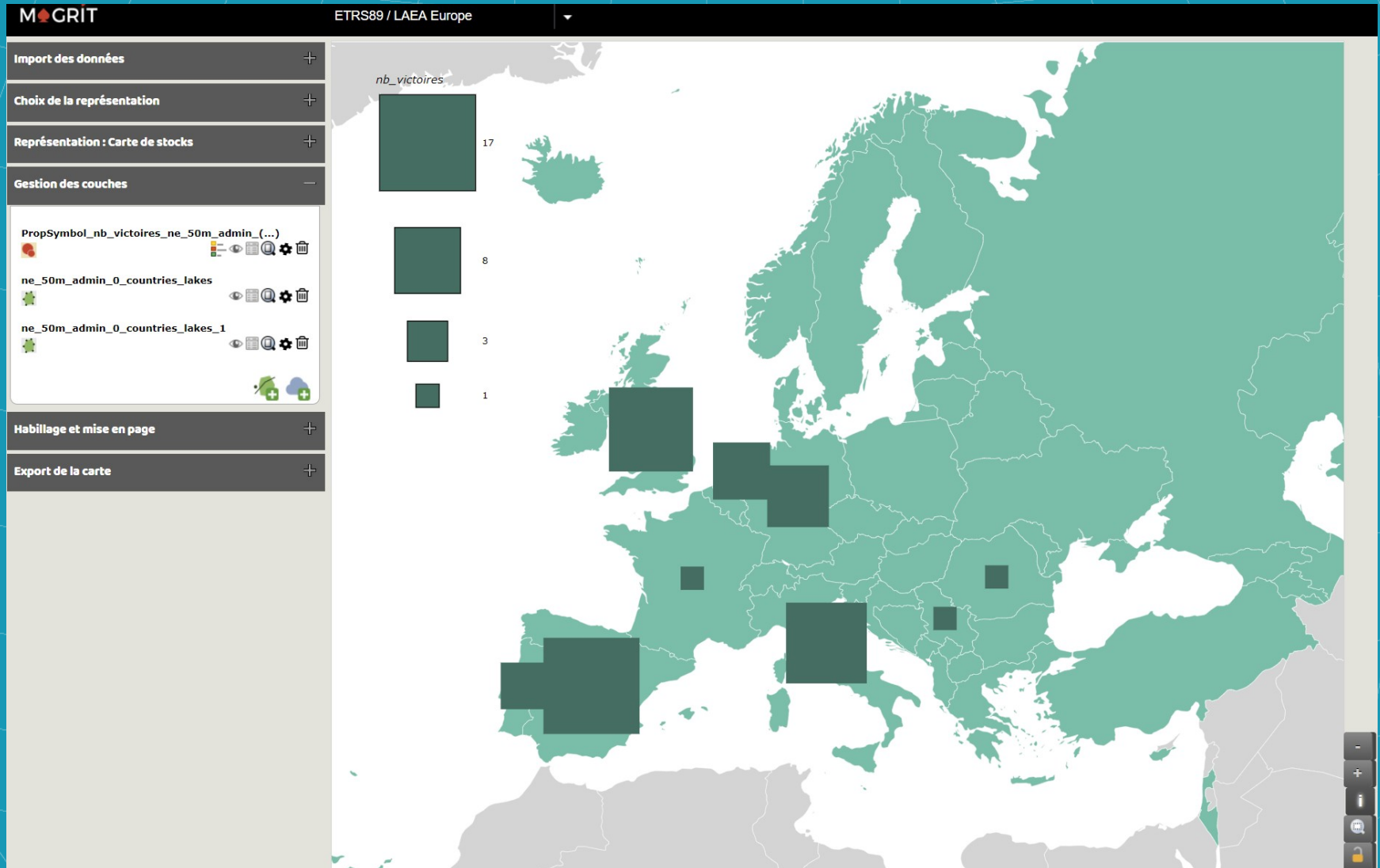
The image shows a screenshot of the MGRIT web application interface. The main map area displays a map of Europe with a light purple color fill, representing the 'nb_victoires' field. The interface includes a sidebar with various toolbars: 'Import des données', 'Choix de la représentation', 'Gestion des couches', 'Habillage et mise en page', and 'Export de la carte'. The 'Choix de la représentation' toolbar is highlighted with a red box, showing the 'représentation : Carte de stocks' configuration. The configuration includes a dropdown for 'Champ' set to 'nb_victoires', a 'Taille fixée px' of 30, a 'sur la valeur ...' of 17, a 'Type de symbole' of 'Carré', and a 'Couleur du symbole' of 'Une couleur'. The 'Nom du résultat' is 'PropSymbol_nb_victoires_ne_50m_admin_0_c'. A 'Dessiner le résultat' button is also present.

[7] Choix de la représentation



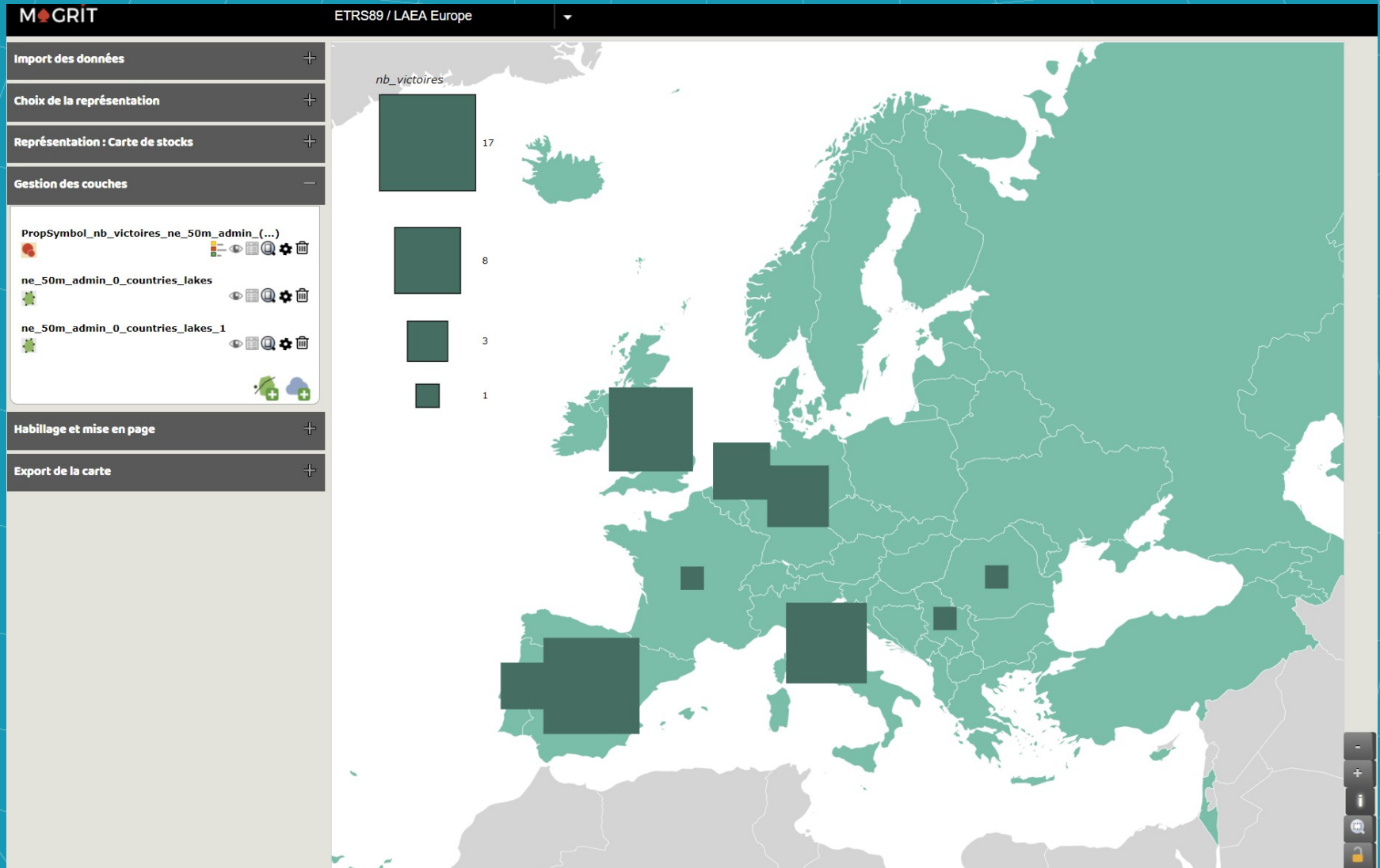
Rajouter un
fond
d'habillage

[8] Mise en page



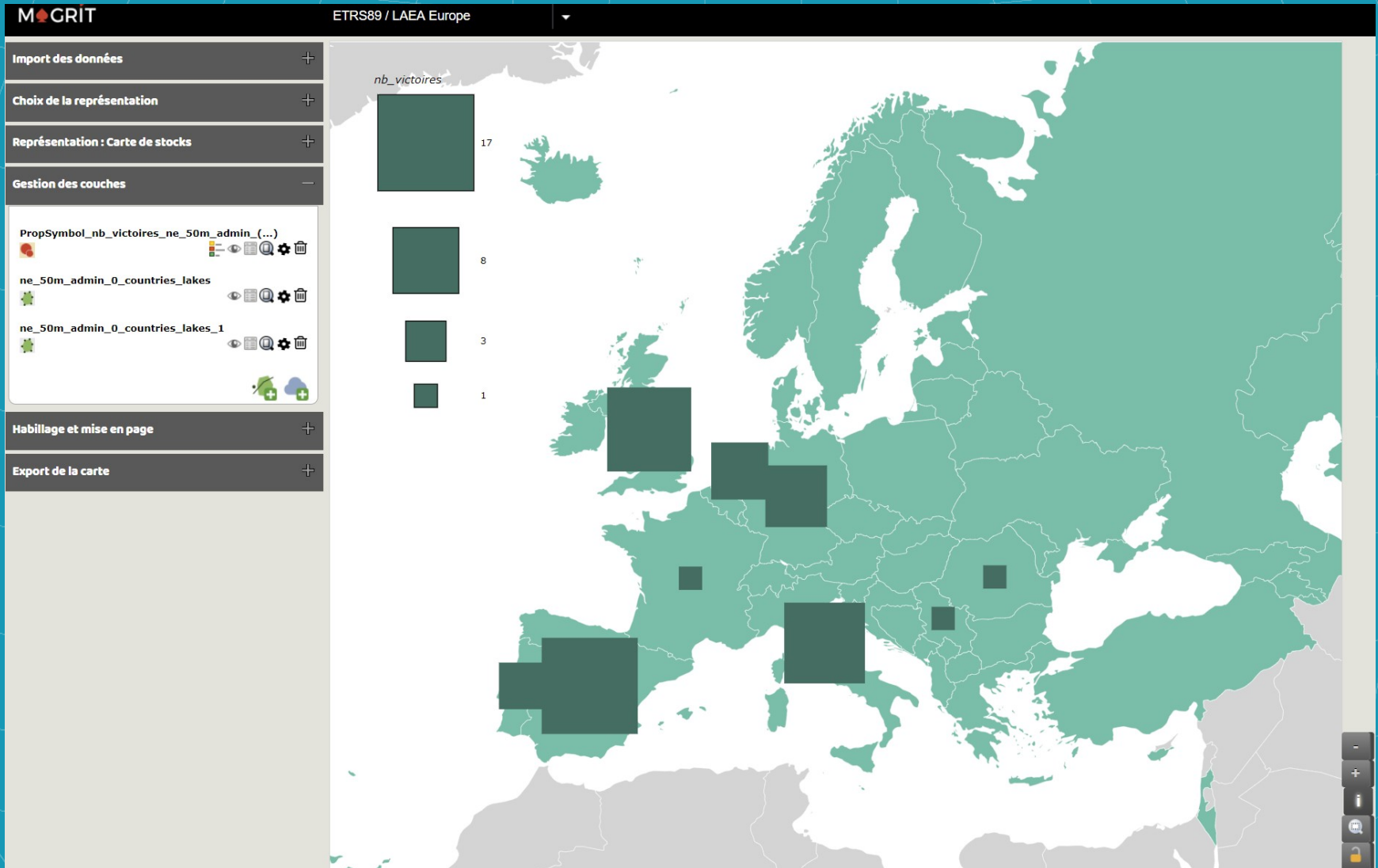
[8] Mise en page

Couleur du
fond de carte et
des bordures



Style et positionnement des symboles proportionnels

[8] Mise en page



Style et positionnement des symboles proportionnels

[8] Mise en page

MGRIT ETRS89 / LAEA Europe

Import des données +

Choix de la représentation +

Représentation : Carte de stocks +

Gestion des couches -

PropSymbol_nb_victoires_ne_50m_admin_0

ne_50m_admin_0_countries_lakes

ne_50m_admin_0_countries_lakes_1

Habillage et mise en page +

Export de la carte +

nb_victoires

17

8

3

1

PropSymbol_nb_victoires_ne_50m_admin_0_countries_lakes

Champ utilisé : nb_victoires
Couche de référence : ne_50m_admin_0_countries_lakes

Nom de la couche : PropSymbol_nb_victoires_ne_50m_admin_0

Couleur de remplissage : Couleur unique

Couleur de remplissage

Opacité du remplissage : 100%

Couleur de la bordure

Opacité de la bordure : 0

Épaisseur de la bordure (px) : 0,28717

Champ utilisé pour les valeurs proportionnelles : nb_victoires

Taille du symbole fixée (px) : 30

sur la valeur ... : 17

☒ Autoriser le déplacement des symboles

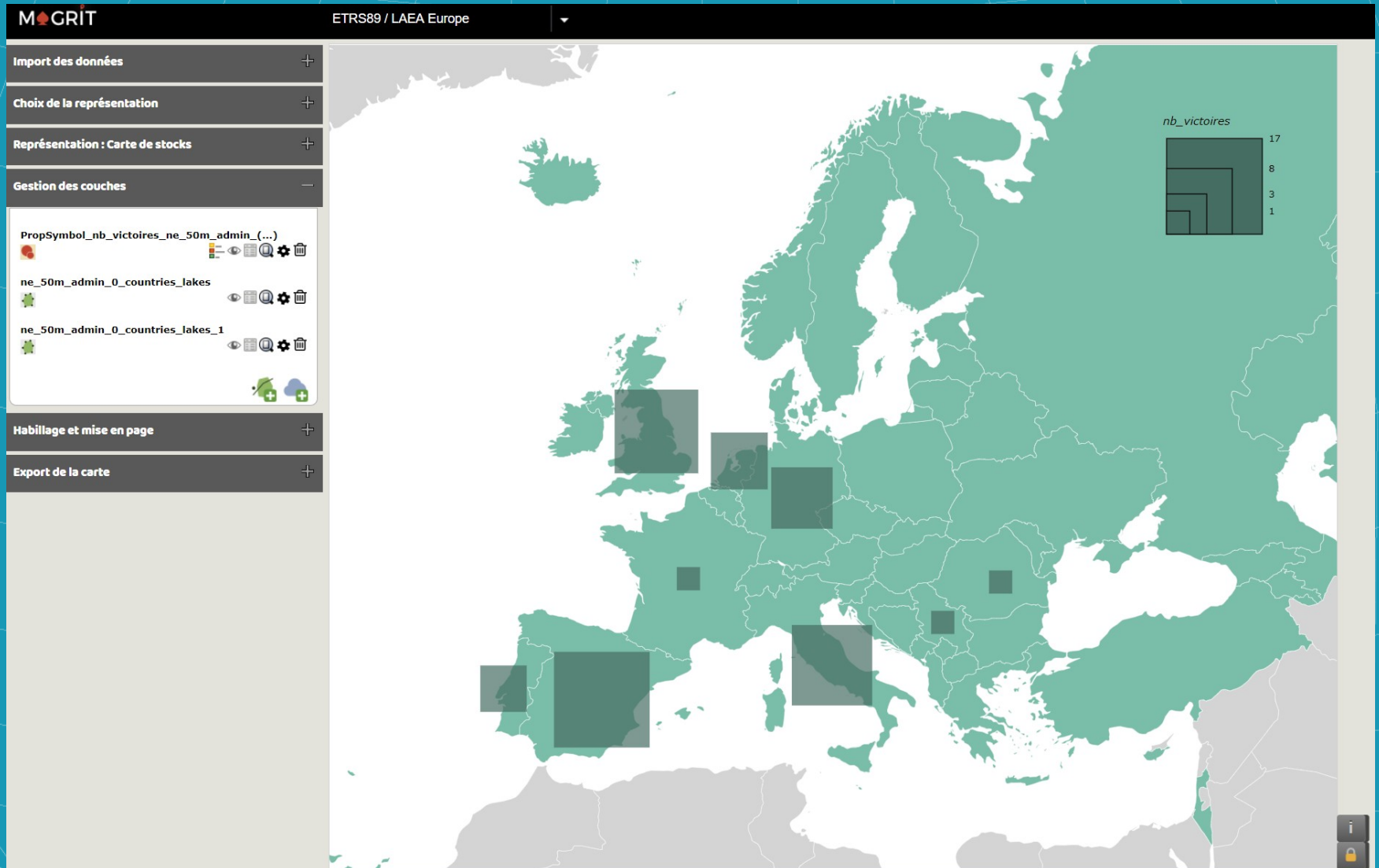
Retour à zéro les habillages des symboles

Génération de labels pour cette couche...

Confirmation Annulation

Style et positionnement des symboles proportionnels

[8] Mise en page



[8] Mise en page

Titre, légende, logos, sources...

Import des données

Choix de la représentation

Représentation : Carte de stocks

Gestion des couches

Habillage et mise en page

Export de la carte

Titre de la carte

Couleur de l'arrière-plan

Largeur de la carte (px)

Hauteur de la carte (px)

Ratio d'affichage

Réadapter la carte à la taille de l'écran

Centrage de la carte ...

Alignement des éléments (experimental)

Ajout d'éléments d'habillage :

ETRS89 / LAEA Europe

CHAMPIONS LEAGUE

: 5 championnats dominent l'Europe

Victoires en UEFA Champions League

Tous clubs confondus par pays

17

10

5

1

Depuis 1956. Les pays participants à cette compétition sont représentés en vert

Source : Wikipedia, 2018

Réalisation : UMS RIATE, 2018

