



IMAGEUN - MEDIA GROUP I

Analysis of macro-regions in daily newspapers

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CORPUS : Titles of news published from 1.01.2019 to 30.06.2021

(Source : Mediacloud)

France

(171570 news)

Le Monde
LE FIGARO

United Kingdom

(111293 news)

the guardian
The Daily Telegraph

Turkey

(221106 news)

YeniŞafak
Cumhuriyet

Germany

(121620 news)

Frankfurter Allgemeine
ZEITUNG FÜR DEUTSCHLAND
Süddeutsche
Zeitung

Ireland & Ulster

(200645 news)

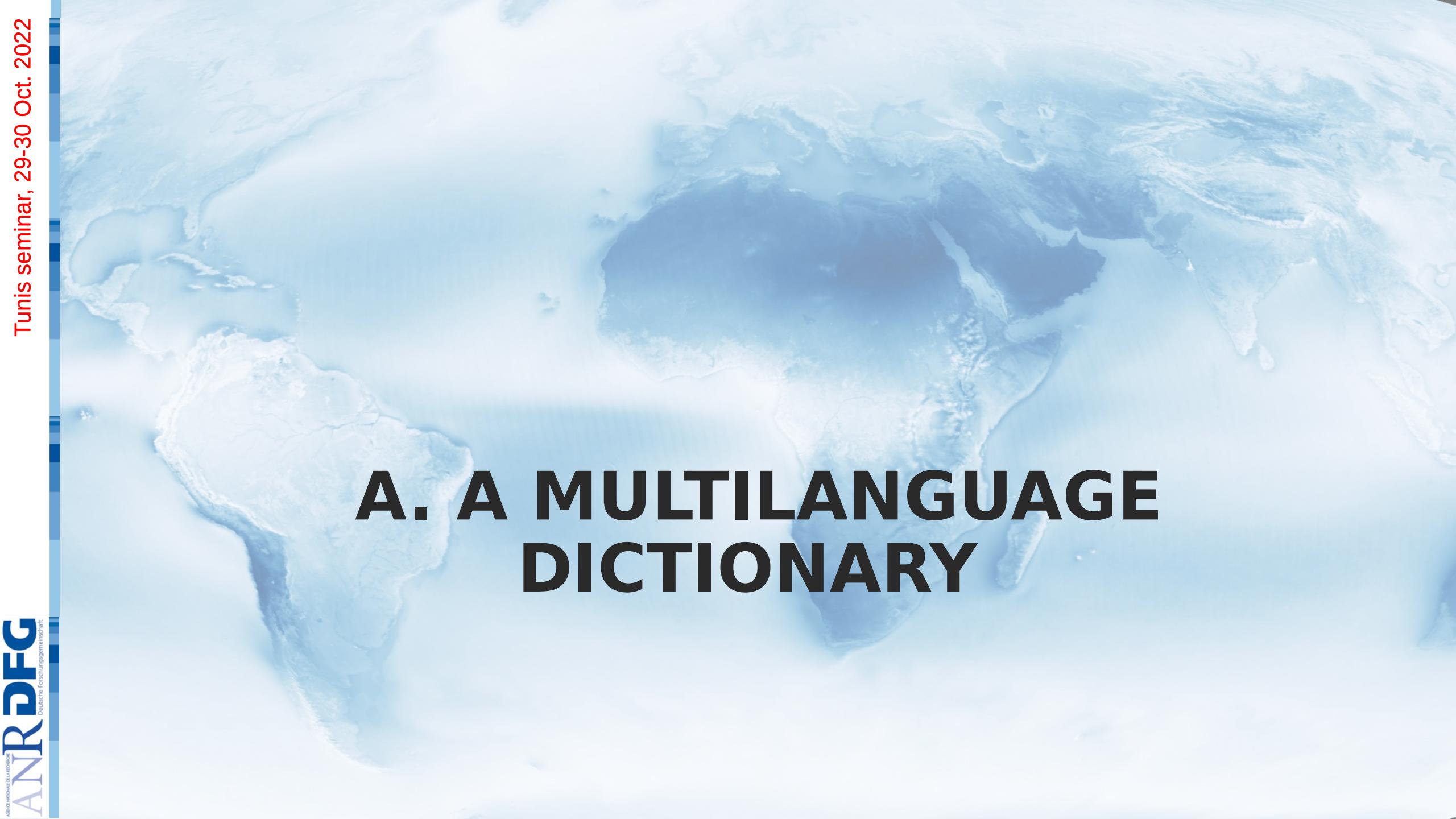
Belfast Telegraph
NORTHERN IRELAND'S DAILY NEWSPAPER

THE IRISH TIMES

Algeria

(90131 news)





A. A MULTILANGUAGE DICTIONARY

A relational data base:

Relations between entities (items: Q)

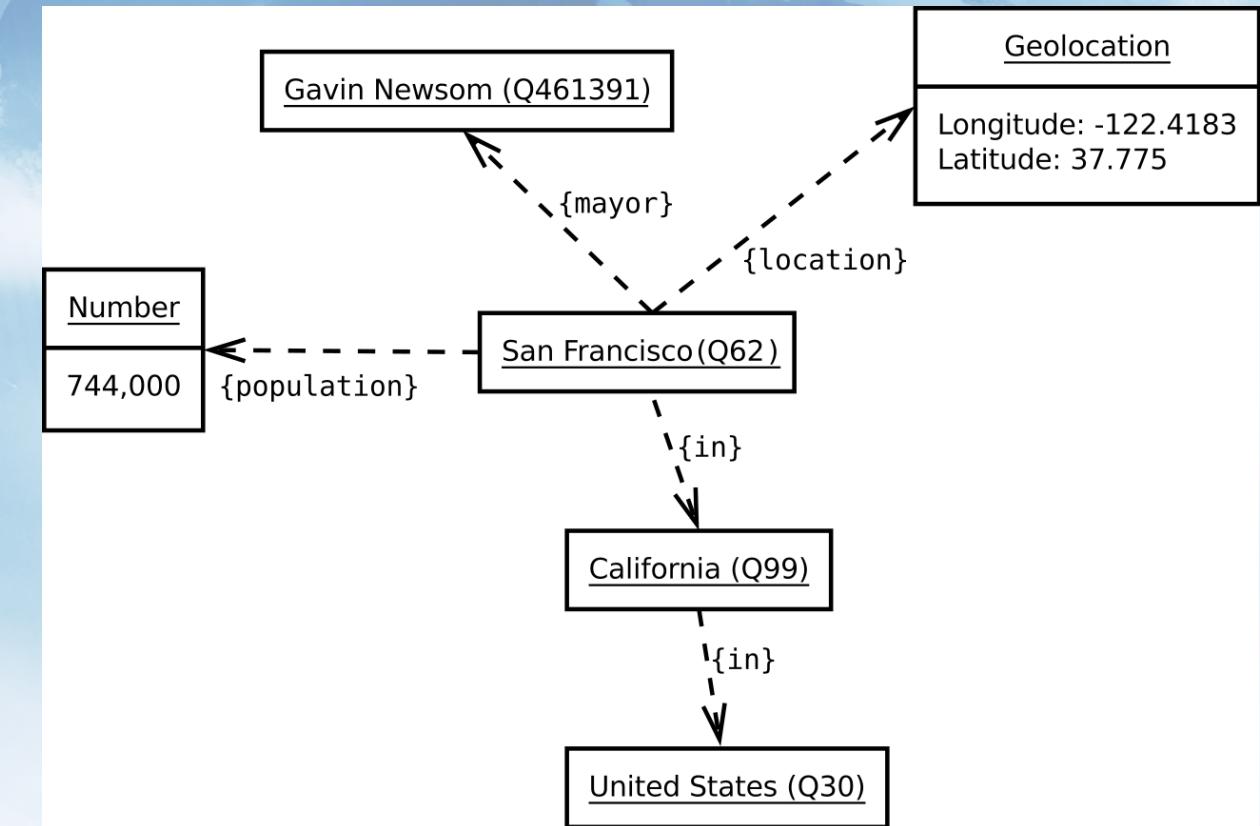
And relations (properties: P)

Source:

[https://www.wikidata.org
/wiki/Help:Items](https://www.wikidata.org/wiki/Help:Items)

Using the Wikipedia data base

SPARQL query using R library(WikidataQueryServiceR)



Creation of a first list of possible macroregions

Step 1: Creation of a n_0 list of regional entities

Based on the Wikidata data base (Wikidata Query Service - SPARQL)

TOP DOWN PROCEDURE

Parts of the world (Q2418896)
c("Afro-Eurasia" QQ27527, etc.)

Oceans and islandseas
c("Atlantic Ocean" Q97, etc.)
c(" Mediterranean Sea Q4918, etc)

n_1

n_1 level regional list
c("Africa" Q15, "Asia" Q48 etc.)

n_1 level seas and oceans
c("North Atlantic Ocean" Q350134, etc.)
c("Aegean Sea Q34575 , etc)

n_i

n_i level regional top down list
 $= list "OTD"$

STATE

Macro region:

- The first level under the world

Creation of a first list of possible macroregions

Step 1: Creation of a n_0 list of regionalentities

Based on the Wikidata data base (Wikidata Query Service - SPARQL)

TOP DOWN PROCEDURE

Parts of the world (Q2418896)

c("Afro-Eurasia" Q27527, etc.)

Oceans and islandseas

c("Atlantic Ocean" Q97, etc.)

c(" Mediterranean Sea Q4918, etc)

n_1

n_1 level regional list

c("Africa" Q15, "Asia" Q48 etc.)

n_1 level seas and oceans

c("North Atlantic Ocean" Q350134, etc.)

c("Aegean Sea Q34575 , etc)

n_i

n_i level regional top down list

= list "OTD"

STATE

BOTTOM UP PROCEDURE

Sovereign states (Q3624078)

-> "part of" (P361)

c("Afghanistan" Q97,
"South Africa" , etc. Q258)

n_1

n_1 level regional list

c("Southern Africa" Q27394, etc.)

n_i

n_i level regional bottom up list

=list "OBP"

WORLD

Macro region:

- The first level above the state

Creation of a first list of possible macroregions

Step 1: Creation of a $n0$ list of regionalentities

Based on the Wikidata data base (Wikidata Query Service - SPARQL)

TOP DOWN PROCEDURE

Parts of the world (Q2418896)

c("Afro-Eurasia" QQ27527, etc.)

Oceans and islandseas

c("Atlantic Ocean" Q97, etc.)
c(" Mediterranean Sea Q4918, etc)

$n1$

$n1$ level regional list

c("Africa" Q15, "Asia" Q48 etc.)

$n1$ level seas and oceans

c("North Atlantic Ocean" Q350134, etc.)
c("Aegean Sea Q34575 , etc)

$n1$

ni level regional top down list

=list "0TD"

STATE

BOTTOM UP PROCEDURE

Sovereign states (Q3624078)

-> "part of" (P361)

c("Afghanistan" Q97,
"South Africa" , etc. Q258)

$n1$

$n1$ level regional list

c("Southern Africa" Q27394, etc.)

$n1$

ni level regional bottom up list

=list "0BP"

WORLD

PRE-DEFINED LISTS

River (Q4022)

Mountain (Q46831)

Forest (Q4421)

Political organisation (Q7210356)

Geographic regions (Q82794)



regional predefined list

=list "0PD"

Step 1

Creation of a n_0 list of candidate entities

Based on Wikidata

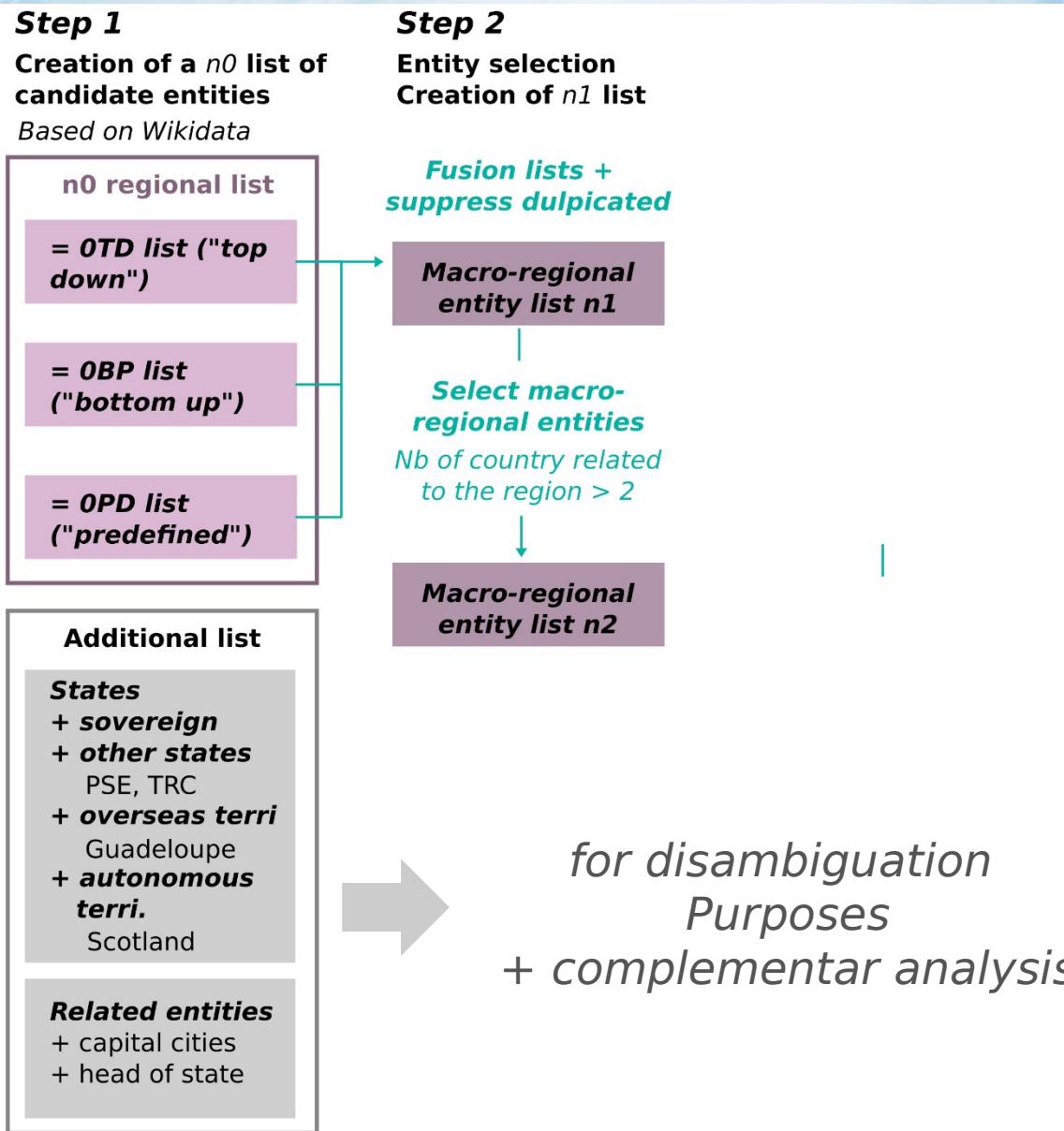
n_0 regional list
= OTD list ("top down")
= OBP list ("bottom up")
= OPD list ("predefined")

Additional list
States
+ sovereign
+ other states
PSE, TRC
+ overseas terri
Guadeloupe
+ autonomous terri.
Scotland
Related entities
+ capital cities
+ head of state

Cf. extensive logic
(probably many more entities than necessary)

Tab. extract from the list.

Code Wikidata	Imageun_dico	en_label
Q21195	yes	Scandinavia
Q213782	yes	Putumayo River
Q215573	yes	Beskids
Q216593	yes	Lesser Caucasus
Q229269	yes	Rub' al Khali
Q23406	yes	Red Sea
Q23522	yes	Balkans
Q236118	yes	Southern Cone
Q236185	yes	Blue Banana



Choices that remains arbitrary!

- **threshold of 2 state related macroregions**
- **Focus on state**
 - minore transnational objects
 - Ex.: "pays Basque" (Basque country)
 - described as an assemblage of region in the properties of the wikidata db
 - ⇒ **Towards an IMAGEUN database...**
 - ⇒ **More than Wikidata but keeping relations with it (QXXX codes).**

Items associated with different labels:

An opening towards multilingualism

Eurasia (Q5401)

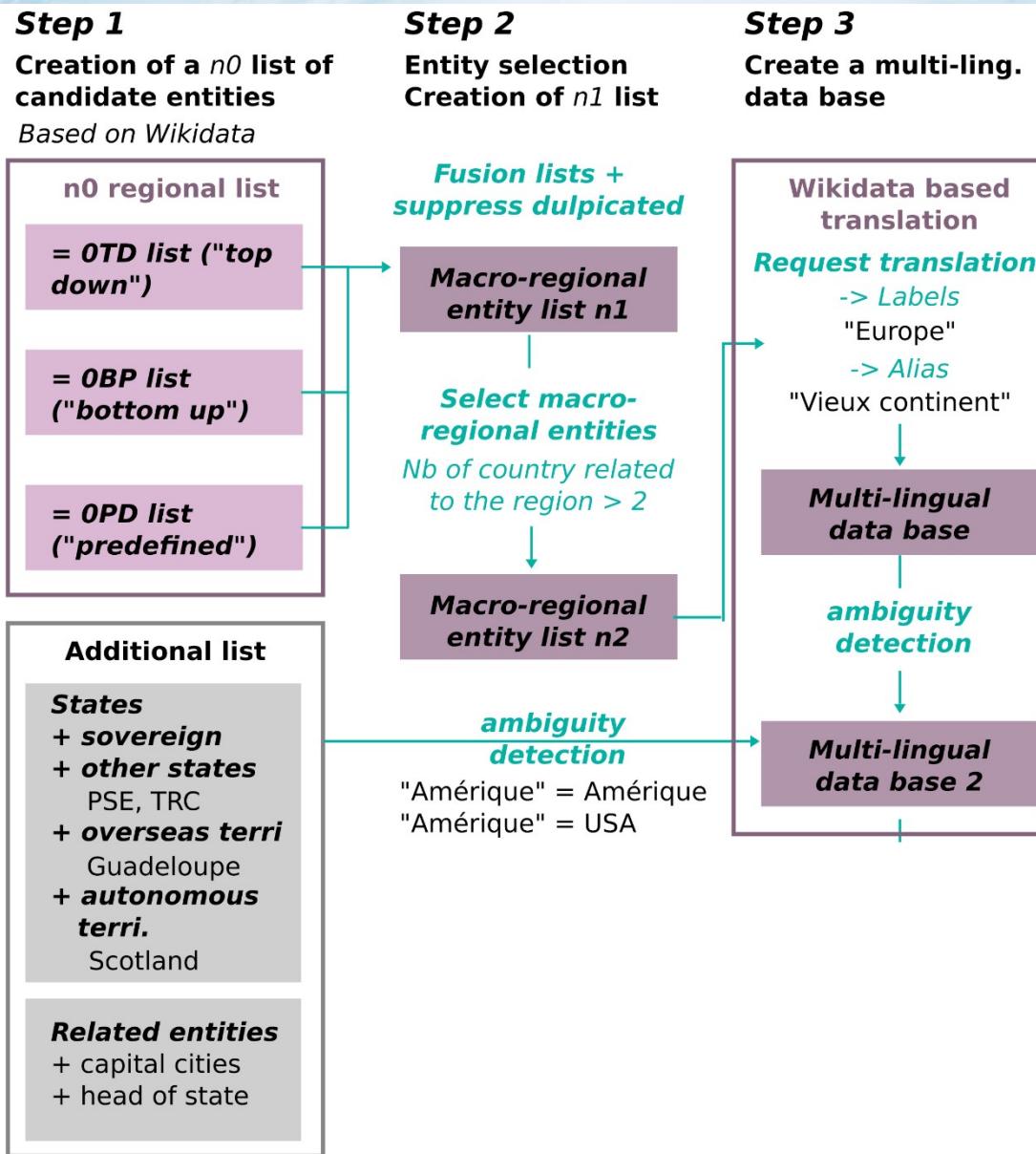
continental landmass comprising Europe and Asia

Euroasia

▼ In more languages

Configure

Language	Label	Description	Also known as
English	Eurasia	continental landmass comprising Europe and Asia	Euroasia
French	Eurasie	continent formé par l'Europe et l'Asie	
Spanish	Eurasia	supercontinente formado por Europa y Asia, en el cuadrante nororiental de la Tierra; rodeado por los océanos Ártico, Atlántico, Índico y Pacífico	Viejo Mundo Europa y Asia Euroasia supercontinente de Eurasia Euroasiático Supercontinente euroasiático Supercontinente eurasíatico Continente de Eurasia Continente eurasíatico Continente euroasiático
German	Eurasien	Kontinentale Landmasse von Europa und Asien	
Adyge	Еуразиє	No description defined	
Afrikaans	Eurasië	No description defined	



Possibility of language equivalences

- Wikidata has labels in different languages.
- The availability of labels depends on the contributions.
- Relatively complete for the most common languages...
- ... Less available for rare languages

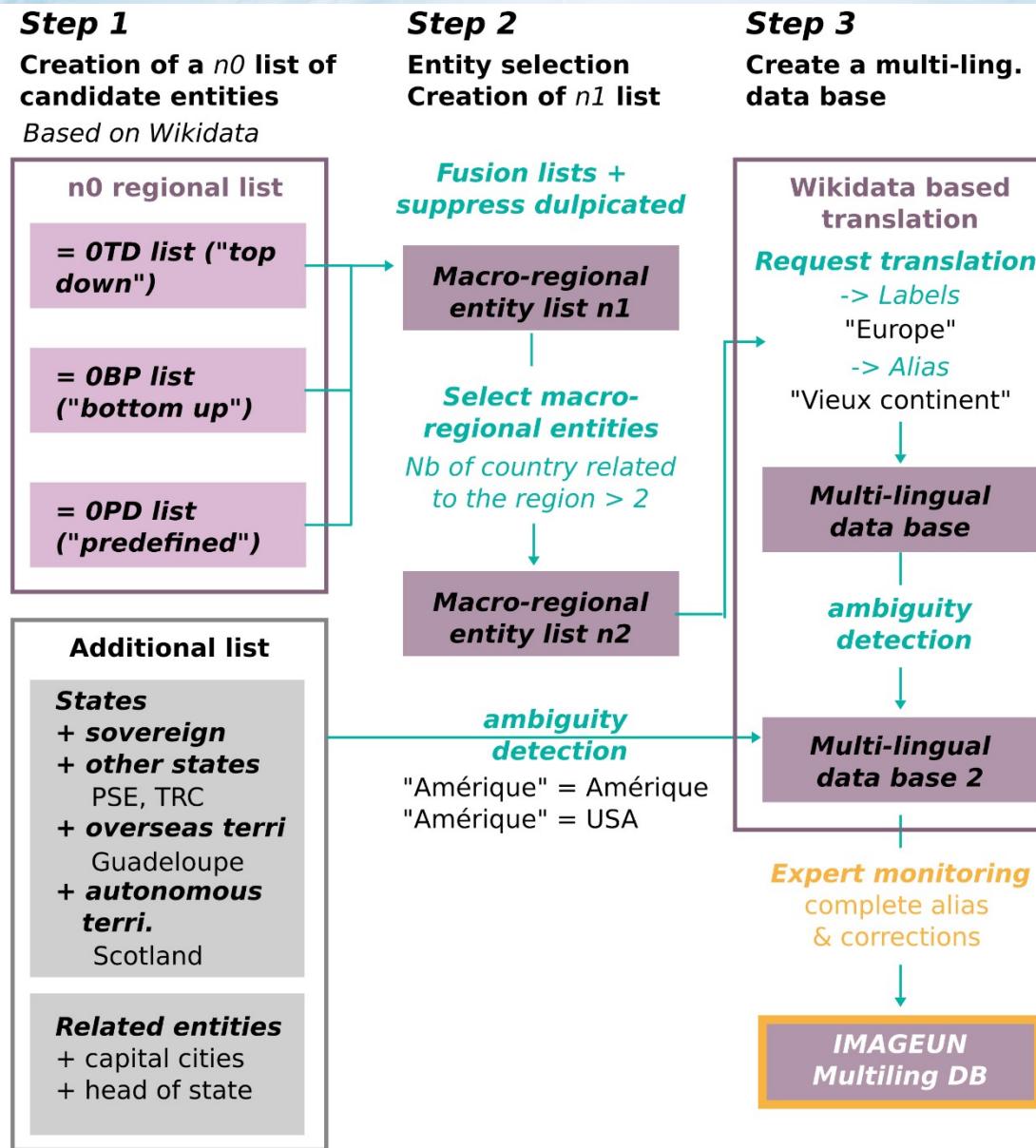
A relatively large (> 500 entities) and diverse set

Tab: Extract from the dictionary of regions after generation of lexical equivalences

Code Wikidata	nb_trad	en_transl	fr_transl	de_transl	tr_transl	Imageun_dico	en_label	fr_label	de_label	tr_label
Q21195	4 en	fr	de	tr		yes	Scandinavia	Scandinavie	Skandinavien	İskandinavya
Q213782	4 en	fr	de	tr		yes	Putumayo River	río Putumayo	Río Putumayo	Rio Içá
Q215573	4 en	fr	de	tr		yes	Beskids	Beskides	Beskiden	Beskid Daglari
Q216593	4 en	fr	de	tr		yes	Lesser Caucasus	Petit Caucase	Kleiner Kaukasus	Küçük Kafkas Daglari
Q229269	4 en	fr	de	tr		yes	Rub' al Khali	Rub al-Khali	Rub al-Chali	Rübühlü Çölü
Q23406	4 en	fr	de	tr		yes	Red Sea	mer Rouge	Rotes Meer	Kizildeniz
Q23522	4 en	fr	de	tr		yes	Balkans	Balkans	Balkanhalbinsel	Balkanlar
Q236118	4 en	fr	de	tr		yes	Southern Cone	Cône Sud	Südkegel	Güney Konisi
Q236185	4 en	fr	de	tr		yes	Blue Banana	Banane bleue	Blaue Banane	Mavi Muz

Tab. table of the "alias" related to the labels.

Code Wikidata	en_label	alias_tr	alias_en	alias_fr	alias_de
Q21195	Scandinavia	Avrupa'nın kuzeyinde bir bölge	Skanör, Skandinavia, Codanonia, Codanova, Scadan, Scadanan, Scandinavia, Scandan, Scadenavia, Scandinavian civilization, Scandinavian countries, Scatenauge, Scatinavia, Scedeland, Scedenigge, Skandenavia, Skandinavía, Skandinavien	Pays scandinave, Pays scandinaves, Scandinavia, Scandinavien, Scandinavienne	Skandinavier, Scandinavia
Q213782	Putumayo River	NA	İçá River, Rio İçá, Río Putumayo	Putumayo, Rio İçá, Rio Putumayo	Río Ica, Putumayo, İçá, Río İçá, Rio Putumayo
Q215573	Beskids	NA	NA	NA	Beskydy, Beskydy
Q216593	Lesser Caucasus	NA	NA	NA	Anti-Kaukasus
Q229269	Rub' al Khali	Yemen'in kuzeydogusundaki yaklasik 693 bin kilometre karelilik çöl	Empty Quarter	Rub al Khali, Rub al-Khâli, Rub' al Khali, Ruba-al-Khalil	Große Arabische Wüste, Rub al-Khali



The construction of linguistic equivalences:

A problem that is **not just a matter of translation...**

Imbalances between languages (complete Wikidata)

Imbalances linked to history and culture

de: "Mitteleuropa" + "Zentraleuropa"
 en: "Central Europe"
 fr: "Central Europe" en: "Europe centrale" fr: "Europe centrale".

Specific uses:

fr: "Antilles" = the French Antilles / DROM

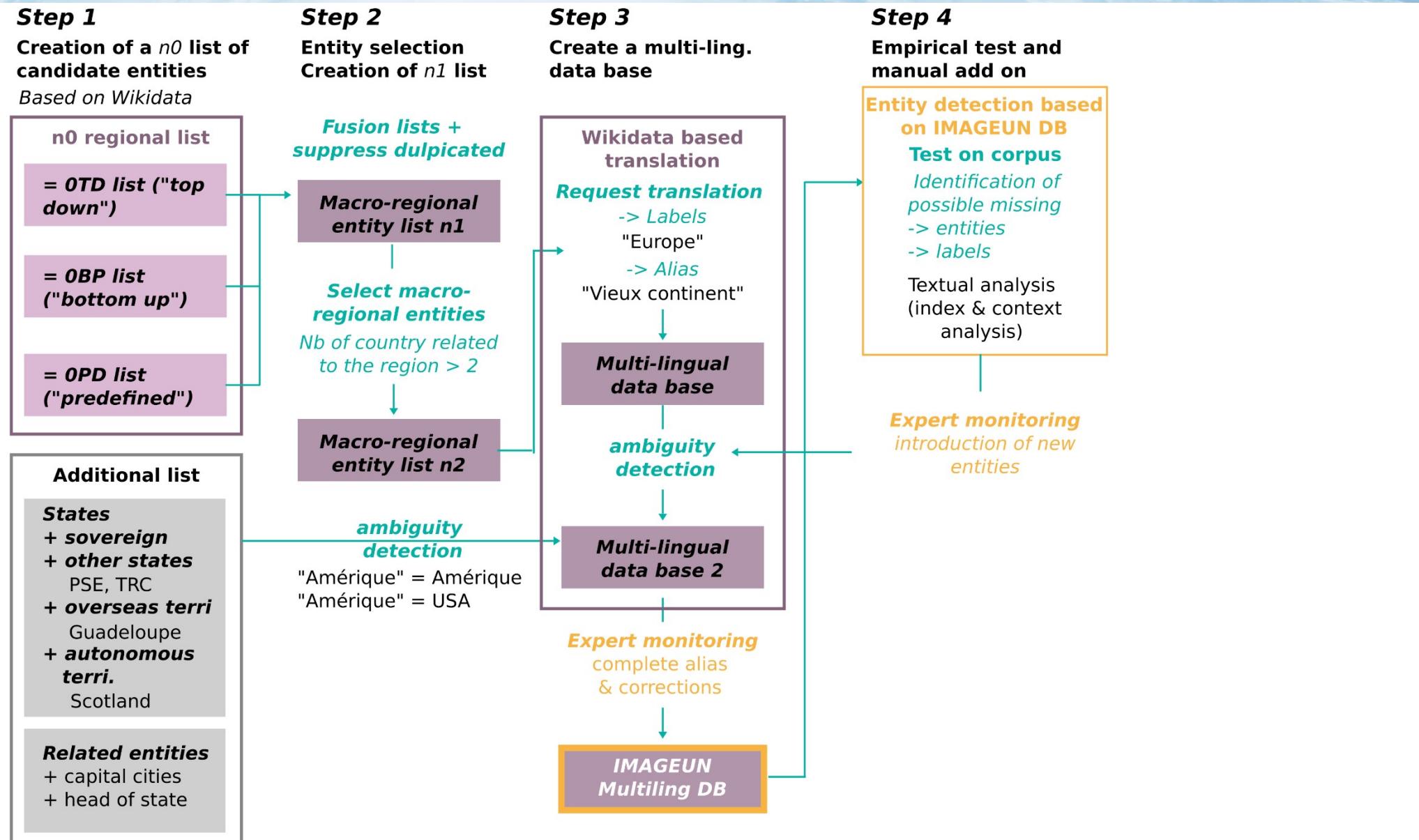
Grouping OR differentiation

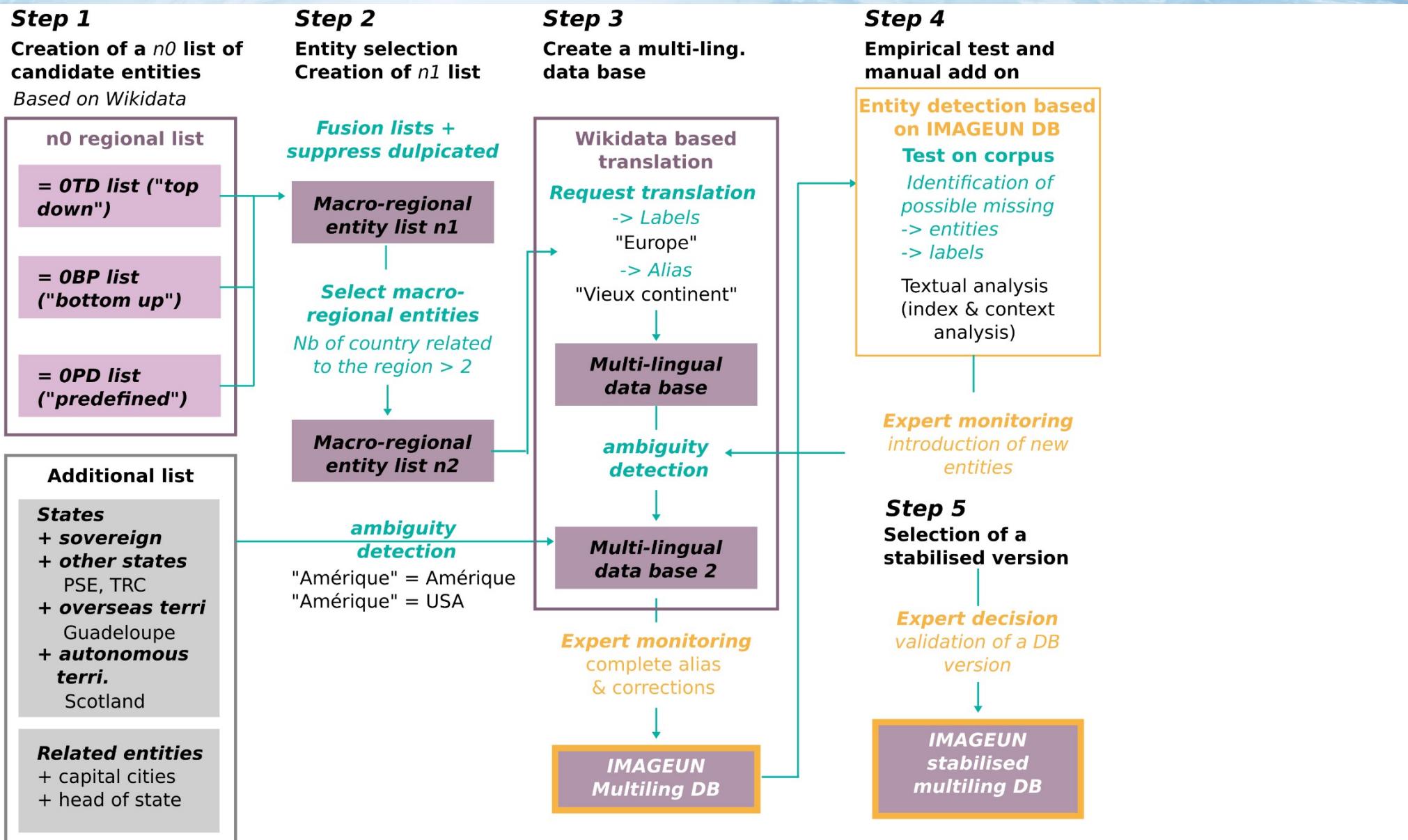
Mediterranean Basin" = "Mediterranean Sea
 "Mediterranean Sea
 = simple alias of "Mediterranean"?

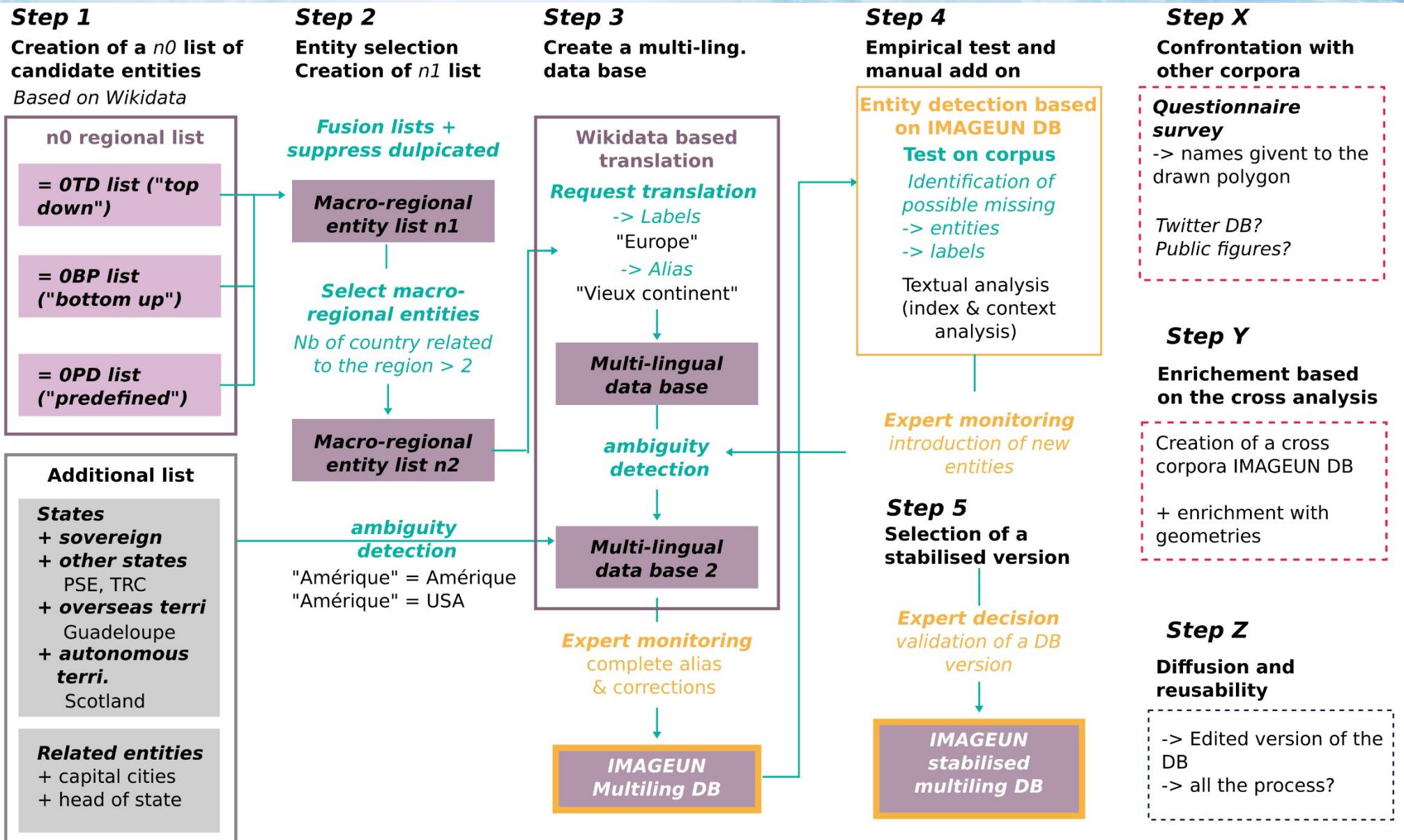
Need to come back to the theoretical level
 + expertise + collective decision (project level)

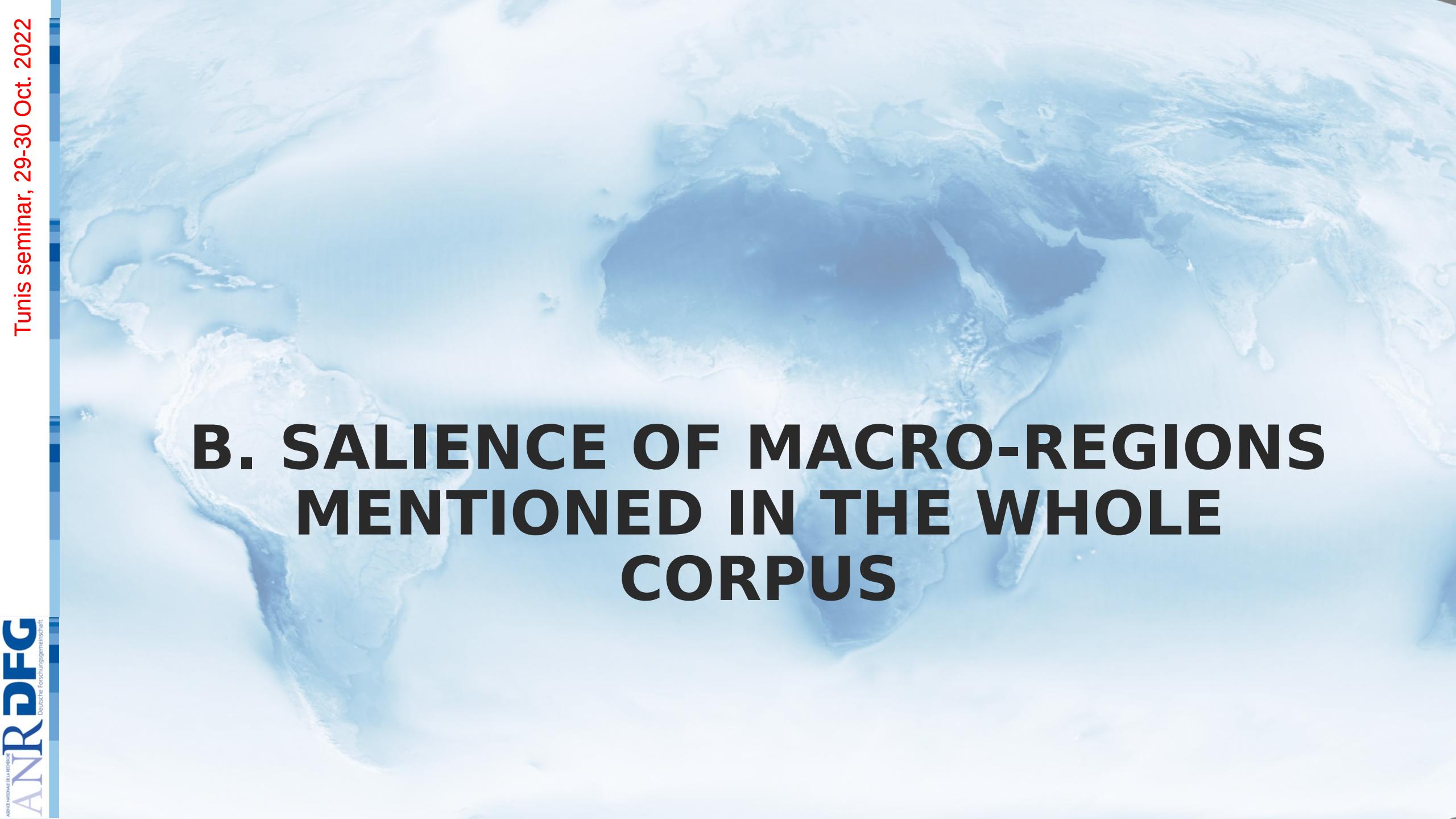
LIB DÉMARCHE: UN SYSTÈME EXPERT POUR CRÉER UNE BD DE MR MULTILINGUE

Tunis seminar, 29-30 Oct 2022









B. SALIENCE OF MACRO-REGIONS MENTIONED IN THE WHOLE CORPUS

CORPUS : Titles of news published from 1.01.2019 to 30.06.2021

(Source : Mediacloud)

France

(171570 news)



United Kingdom

(111293 news)



Turkey

(221106 news)



Germany

(121620 news)



Ireland & Ulster

(200645 news)



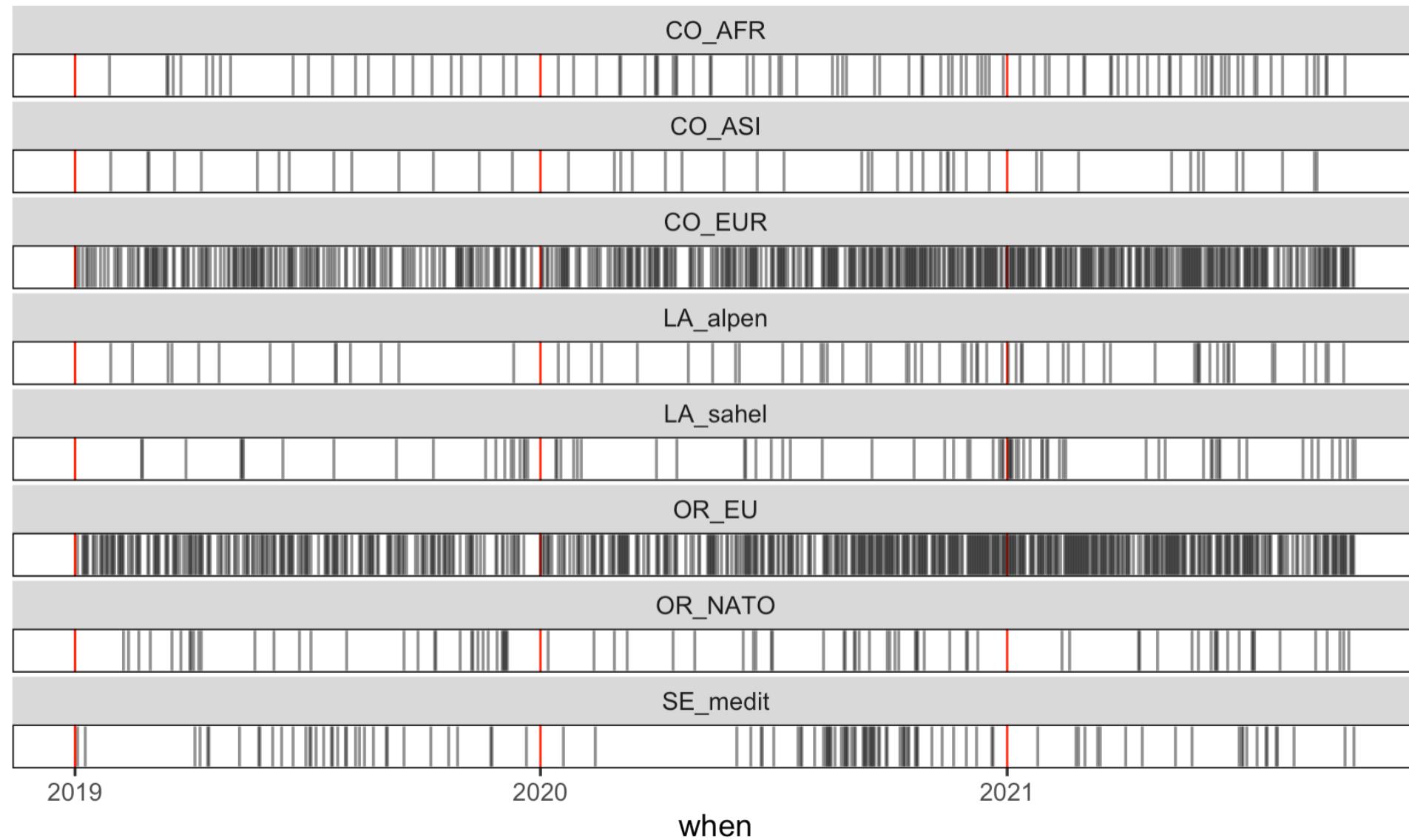
Algeria

(90131 news)



Methodology : number of *active day* rather than number of *news*

Daily presence of selected macroregions in Le Figaro



Continents and subcontinents mentioned in news

code	nbd	french	german	english	turkish	arabic
CO_AFR	679	Afrique	Afrika	Africa	Afrika	أفريقيا
CO_AFR_centr	10	Afrique centrale	Zentralafrika	Central Africa	Orta Afrika	وسط أفريقيا
CO_AFR_east	19	Afrique de l'Est	Ostafrika	East Africa	Doğu Afrika	شرق أفريقيا
CO_AFR_frenc	2	Afrique-Occidentale française	Französisch-Westafrika	French West Africa	Fransız Batı Afrikası	غرب أفريقيا الفرنسية
CO_AFR_north	13	Afrique du Nord	Nordafrika	North Africa	Kuzey Afrika	شمال أفريقيا
CO_AFR_south	6	Afrique australe	Südliches Afrika	Southern Africa	Güney Afrika	أفريقيا الجنوبية
CO_AFR_ssahr	21	Afrique subsaharienne	Subsahara-Afrika	Sub-Saharan Africa	Sahraaltı Afrika	أفريقيا جنوب الصحراء
CO_AFR_west	49	Afrique de l'Ouest	Westafrika	West Africa	Batı Afrika	غرب أفريقيا
CO_AMR	31	Amérique	Amerika	Americas	Amerika	الأمريكتان
CO_AMR_centr	38	Amérique centrale	Zentralamerika	Central America	Orta Amerika	أمريكا الوسطى
CO_AMR_latin	120	Amérique latine	Lateinamerika	Latin America	Latin Amerika	أمريكا اللاتينية
CO_AMR_north	34	Amérique du Nord	Nordamerika	North America	Kuzey Amerika	أمريكا الشمالية
CO_AMR_south	63	Amérique du Sud	Südamerika	South America	Güney Amerika	أمريكا الجنوبية
CO_ANT	91	Antarctique	Antarktika	Antarctica	Antarktika	القارة القطبية الجنوبية
CO_ASIA	254	Asie	Asien	Asia	Asya	آسيا
CO_ASIA_centr	29	Asie centrale	Zentralasien	Central Asia	Orta Asya	آسيا الوسطى
CO_ASIA_east	7	Asie de l'Est	Ostasien	East Asia	Doğu Asya	شرق آسيا
CO_ASIA_ind	3	sous-continent indien	indischer Subkontinent	Indian subcontinent	Hint alkitası	شبه القارة الهندية
CO_ASIA_minor	354	Asie mineure	Kleinasien	Asia Minor	Anadolu	آسيا الصغرى
CO_ASIA_pacif	24	Asie-Pacifique	Asien-Pazifik	Asia-Pacific	Asya-Pasifik	آسيا والمحيط الهادئ
CO_ASIA_south	11	Asie du Sud	Südasien	South Asia	Güney Asya	جنوب آسيا
CO_ASIA_south_east	39	Asie du Sud-Est	Südostasien	Southeast Asia	Güneydoğu Asya	جنوب شرق آسيا
CO_ERA	66	Eurasie	Eurasien	Eurasia	Avrasya	أوراسيا
CO_EUR	970	Europe	Europa	Europe	Avrupa	أوروبا
CO_EUR_centr	18	Europe centrale	Mitteleuropa	Central Europe	Orta Avrupa	أوروبا الوسطى
CO_EUR_centr_east	3	Europe centrale et orientale	Mittel- und Osteuropa	Central and Eastern Europe	Orta Doğu Avrupa	أوروبا الوسطى والشرقية
CO_EUR_east	31	Europe orientale	OstEuropa	Eastern Europe	Doğu Avrupa	شرق ووسط أوروبا
CO_EUR_north	11	Europe du Nord	Nordeuropa	Northern Europe	Kuzey Avrupa	أوروبا الشمالية
CO_EUR_south	16	Europe du Sud	Südeuropa	Southern Europe	Güney Avrupa	أوروبا الجنوبية
CO_EUR_south_east	2	Europe du Sud-Est	Südosteuropa	Southeast Europe	Güneydoğu Avrupa	جنوب شرق أوروبا
CO_EUR_west	5	Europe de l'Ouest	Westeuropa	Western Europe	Batı Avrupa	أوروبا الغربية
CO_OCE	7	Océanie	Ozeanien	Insular Oceania	Okyanusya	جزيرة أوقيانوسيا

nbd : number of days where at least one media has mentioned the region (max = 1006)

Regional organisations and "cultural areas" mentioned in news

code	nbd	french	german	english	turkish	arabic
OR_EU	971	Union européenne	Europäische Union	European Union	Avrupa Birliği	الاتحاد الأوروبي
OR_UN	788	Nations unies	Vereinte Nationen	United Nations	Birleşmiş Milletler	الأمم المتحدة
OR_NATO	373	OTAN	NATO	NATO	NATO	حلف شمال الأطلسي
OR_Eurovision	109	Eurovision	Eurovision	Eurovision	Eurovision	يوروفيزشن
OR_CoEur	75	Conseil de l'Europe	Europarat	Council of Europe	Avrupa Konseyi	مجلس أوروبا
CU_arab	73	Monde arabe	Arabische Welt	Arab World	Arap dünyası	العالم العربي
CU_Occident	64	monde occidental	Westliche Welt	Western world	bati dünyası	الدول الغربية
OR_ArLig	39	Ligue arabe	Arabische Liga	Arab League	Arap Birliği	الاتحاد الدول العربية
OR_comwl	39	Commonwealth	Commonwealth of Nation	Commonwealth of Nation	İngiliz Milletler Topluluğu	دول الكومنولث
OR_Schengen	34	Schengen	Schengen	Schengen Area	Schengen	شنغن
CU_Orient	32	Orient	Orient	Orient	Doğu ülkeleri	الحضارة الشرقية
OR_Merco	28	MERCOSUR	Mercosur	Mercosur	MERCOSUR	ميركوسور
OR_AfrUn	24	Union africaine	Afrikanische Union	African Union	Afrika Birliği	الاتحاد الأفريقي
OR_ECWAS	12	CEDEAO	Westafrikanische Wirtsch	Economic Community of	Batı Afrika Ülkeleri Ekono	الاقتصادية لدول غرب إفريقيا
OR_TurCo	10	Conseil turcique	Türkischer Rat	Turkic Council	Türk Konseyi	المجلس التركي
OR_APEC	7	Coopération économique	Asiatisch-Pazifische Wirt	Asia-Pacific Economic Co	Asya Pasifik Ekonomik İş	آسيان
OR_Asean	7	Association des nations d'ASEAN		ASEAN	ASEAN	آسيان
OR_OAS	7	Organisation des États ar	Organisation Amerikanisc	Organization of American	Amerikan Devletleri Örgü	منظمة البلدان الأمريكية
CU_franco	6	Francophonie	Frankophonie	Francophonie	Frankofon	بلد يتحدث الفرنسية
OR_Shang	4	Organisation de coopérat	Shanghaier Organisation	Shanghai Cooperation Or	Şanghay İşbirliği Örgütü	منظمة شانغهاي للتعاون
OR_CCASG	3	Conseil de coopération du	Golf-Kooperationsrat	Cooperation Council for th	Körfez Arap Ülkelerinin İş	مجلس التعاون لدول الخليج
OR_Visea	1	groupe de Visegrád	Visegrád-Gruppe	Visegrád Group	Visegrád Grubu	حلف الفيسبوغراد

nbd : number of days where at least one media has mentioned the region (max = 1006)

Other land and water divisions of the world mentioned in news

code	nbd	french	german	english	turkish	arabic
SE_medit	464	mer Méditerranée	Mittelmeer	Mediterranean Sea	Akdeniz	البحر الأبيض المتوسط
SE_black	293	mer Noire	Schwarzes Meer	Black Sea	Karadeniz	البحر الأسود
SE_arcti	158	Arctique	Arktis	Arctic	Arktika	المنطقة القطبية الشمالية
SE_carai	72	Caraïbes	Karibik	Caribbean	Karayıpler	الكاريب
SE_polyn	48	Polynésie	Polynesien	Polynesia	Polinezya	بولينزيا
SE_antil	42	Antilles	Antillen	Antilles	Antiller	جزر الأنتيل
SE_china	36	mer de Chine	Chinesisches Meer	China Sea	Çin Denizi	بحر الشرق
SE_persi	33	golfe Persique	Persischer Golf	Persian Gulf	Basra Körfezi	الخليج العربي
SE_india	20	océan Indien	Indischer Ozean	Indian Ocean	Hint Okyanusu	المحيط الهندي
SE_pacif	11	océan Pacifique	Pazifischer Ozean	Pacific Ocean	Büyük Okyanus	المحيط الهادئ
SE_atlan	10	océan Atlantique	Atlantischer Ozean	Atlantic Ocean	Atlas Okyanusu	المحيط الأطلسي
SE_brit_isles	2	îles Britanniques	Britische Inseln	British Isles	Britanya Adaları	الجزر البريطانية
SE_melan	1	Mélanésie	Melanesien	Melanesia	Melanezya	میلانزیا
LA_east_middle	229	Moyen-Orient	Mittlerer Osten	Middle East	Orta Doğu	الشرق الأوسط
LA_alpen	173	Alpes	Alpen	Alps	Alpler	الألب
LA_sahel	151	Sahel	Sahelzone	Sahel	Sahel	الساحل
LA_amazon	97	Amazonie	Amazonien	Amazonia	Amazon	أمازون
LA_east_near	66	Proche-Orient	Naher Osten	Near East	Yakın Doğu	شرق أدنى
LA_sahara	56	Sahara	Sahara	Sahara	Sahra	الصحراء الكبرى
LA_balka	53	Balkans	Balkanhalbinsel	Balkans	Balkanlar	البلقان
LA_cauca	37	Caucase	Kaukasus	Caucasus	Kafkasya	القوقاز
LA_himal	36	Himalaya	Himalaya	Himalayas	Himalaya Dağları	هيمالايا
LA_maghr	33	Machrek	Maschrek	Mashriq	Maşrek	المشرق العربي
LA_scand	19	Scandinavie	Skandinavien	Scandinavia	İskandinavya	اسكتنافيا
LA_rocky	14	montagnes Rocheuses	Rocky Mountains	Rocky Mountains	Rocky Dağları	جبال روكي
LA_anden	5	cordillère des Andes	Anden	Andes	And Dağları	أنديز

nbd : number of days where at least one media has mentioned the region (max = 1006)

Global hierarchy of macroregions (ranks 1 to 25)

rank	nbd	french	german	english	turkish	arabic
1	971	Union européenne	Europäische Union	European Union	Avrupa Birliği	الاتحاد الأوروبي
2	970	Europe	Europa	Europe	Avrupa	أوروبا
3	788	Nations unies	Vereinte Nationen	United Nations	Birlesmis Milletler	الأمم المتحدة
4	679	Afrique	Afrika	Africa	Afrika	إفريقيا
5	464	mer Méditerranée	Mittelmeer	Mediterranean Sea	Akdeniz	البحر الأبيض المتوسط
6	373	OTAN	NATO	NATO	NATO	حلف شمال الأطلسي
7	354	Asie mineure	Kleinasien	Asia Minor	Anadolu	آسيا الصغرى
8	293	mer Noire	Schwarzes Meer	Black Sea	Karadeniz	البحر الأسود
9	254	Asie	Asien	Asia	Asya	آسيا
10	229	Moyen-Orient	Mittlerer Osten	Middle East	Orta Doğu	الشرق الأوسط
11	173	Alpes	Alpen	Alps	Alpler	الألب
12	158	Arctique	Arktis	Arctic	Arktika	المنطقة القطبية الشمالية
13	151	Sahel	Sahelzone	Sahel	Sahel	الساحل
14	120	Amérique latine	Lateinamerika	Latin America	Latin Amerika	أمريكا اللاتينية
15	109	Eurovision	Eurovision	Eurovision	Eurovision	يوروفيزشن
16	97	Amazonie	Amazonien	Amazonia	Amazon	أمازون
17	91	Antarctique	Antarktika	Antarctica	Antarktika	القارة القطبية الجنوبية
18	75	Conseil de l'Europe	Europarat	Council of Europe	Avrupa Konseyi	مجلس أوروبا
19	73	Monde arabe	Arabische Welt	Arab World	Arap dünyası	العالم العربي
20	72	Caraïbes	Karibik	Caribbean	Karayıpler	الكاريبى
21	66	Eurasie	Eurasien	Eurasia	Avrasya	أوراسيا
22	66	Proche-Orient	Naher Osten	Near East	Yakın Doğu	شرق أدنى
23	64	monde occidental	Westliche Welt	Western world	bati dünyası	الدول الغربية
24	63	Amérique du Sud	Südamerika	South America	Güney Amerika	أمريكا الجنوبية
25	56	Sahara	Sahara	Sahara	Sahra	الصحراء الكبرى

nbd : number of days where at least one media has mentioned the region (max = 1006)

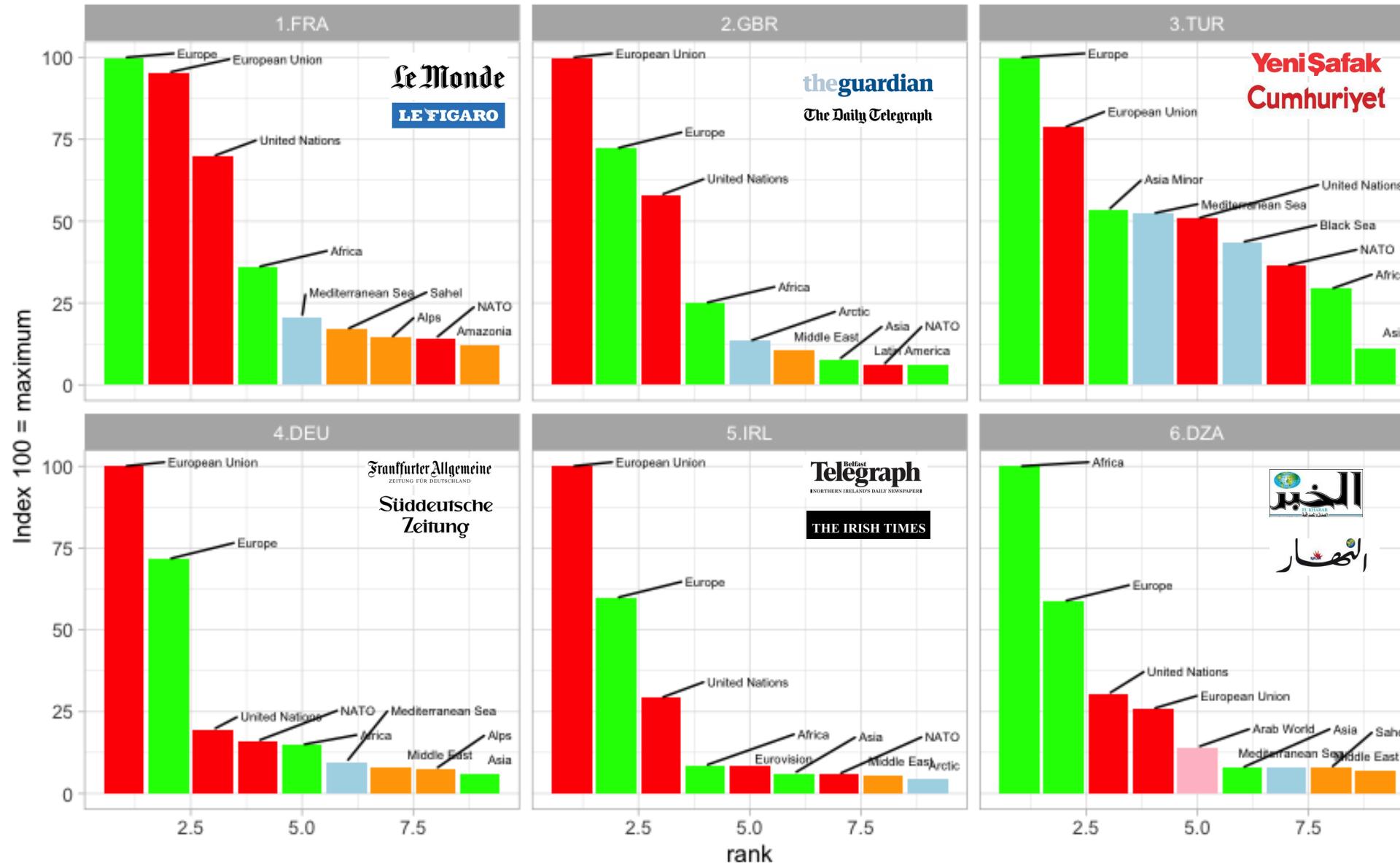
Global hierarchy of macroregions (ranks 26 to 50)

rank	nbd	french	german	english	turkish	arabic
26	53	Balkans	Balkanhalbinsel	Balkans	Balkanlar	البلقان
27	49	Afrique de l'Ouest	Westafrika	West Africa	Batı Afrika	غرب أفريقيا
28	48	Polynésie	Polynesien	Polynezia	Polinezya	بولينيزيا
29	42	Antilles	Antillen	Antilles	Antiller	جزر الانتيل
30	39	Asie du Sud-Est	Südostasien	Southeast Asia	Güneydoğu Asya	جنوب شرق آسيا
31	39	Ligue arabe	Arabische Liga	Arab League	Arap Birliği	الاتحاد الدول العربية
32	39	Commonwealth	Commonwealth of Nation	Commonwealth of Nation	İngiliz Milletler Topluluğu	دول الكومنولث
33	38	Amérique centrale	Zentralamerika	Central America	Orta Amerika	أمريكا الوسطى
34	37	Caucase	Kaukasus	Caucasus	Kafkasya	القوقاز
35	36	Himalaya	Himalaya	Himalayas	Himalaya Dağları	هيمالايا
36	36	mer de Chine	Chinesisches Meer	China Sea	Çin Denizi	بحر الشرقي
37	34	Amérique du Nord	Nordamerika	North America	Kuzey Amerika	أمريكا الشمالية
38	34	Schengen	Schengen	Schengen Area	Schengen	شنغن
39	33	Machrek	Maschrek	Mashriq	Maşrek	المشرق العربي
40	33	golfe Persique	Persischer Golf	Persian Gulf	Basra Körfezi	الخليج العربي
41	32	Orient	Orient	Orient	Doğu ülkeleri	الحضارة الشرقية
42	31	Amérique	Amerika	Americas	Amerika	الأمريكتان
43	31	Europe orientale	OstEuropa	Eastern Europe	Doğu Avrupa	شرق ووسط أوروبا
44	29	Asie centrale	Zentralasien	Central Asia	Orta Asya	آسيا الوسطى
45	28	MERCOSUR	Mercosur	Mercosur	MERCOSUR	ميركوسور
46	24	Asie-Pacifique	Asien-Pazifik	Asia-Pacific	Asya-Pasifik	آسيا والمحيط الهادئ
47	24	Union africaine	Afrikanische Union	African Union	Afrika Birliği	الاتحاد الأفريقي
48	21	Afrique subsaharienne	Subsahara-Afrika	Sub-Saharan Africa	Sahraaltı Afrika	أفريقيا جنوب الصحراء
49	20	océan Indien	Indischer Ozean	Indian Ocean	Hint Okyanusu	المحيط الهندي
50	19	Afrique de l'Est	Ostafrika	East Africa	Doğu Afrika	شرق أفريقيا

nbd : number of days where at least one media has mentioned the region (max = 1006)

Top macroregions by location of media (rank 1 to 10)

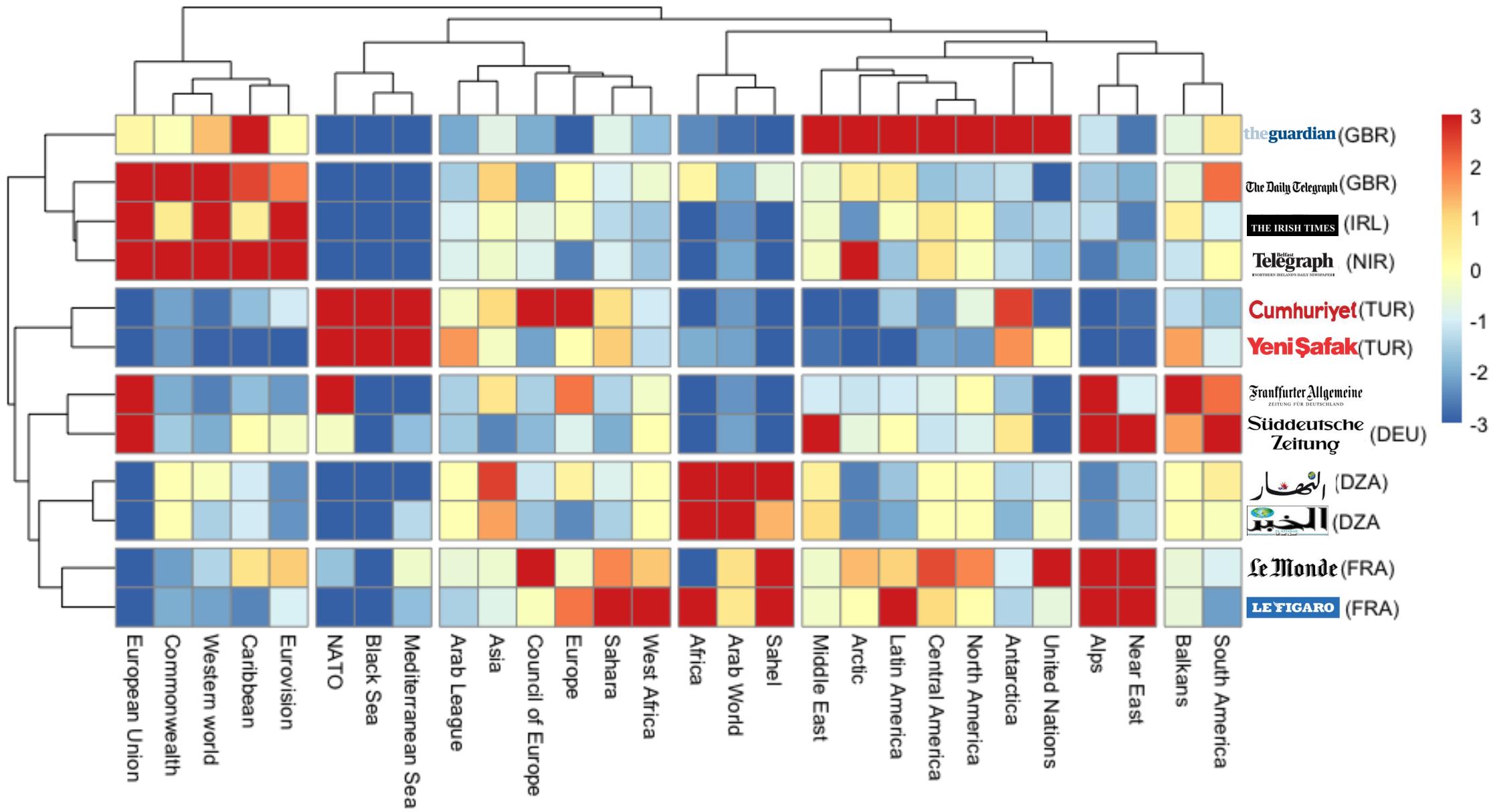
Top world regions mentioned in newspapers (1.1.2019 to 30.06.2021)



typ

- Continent
- Cultural area
- Land body
- Organisation
- Water body

Specific associations between media and macroregions

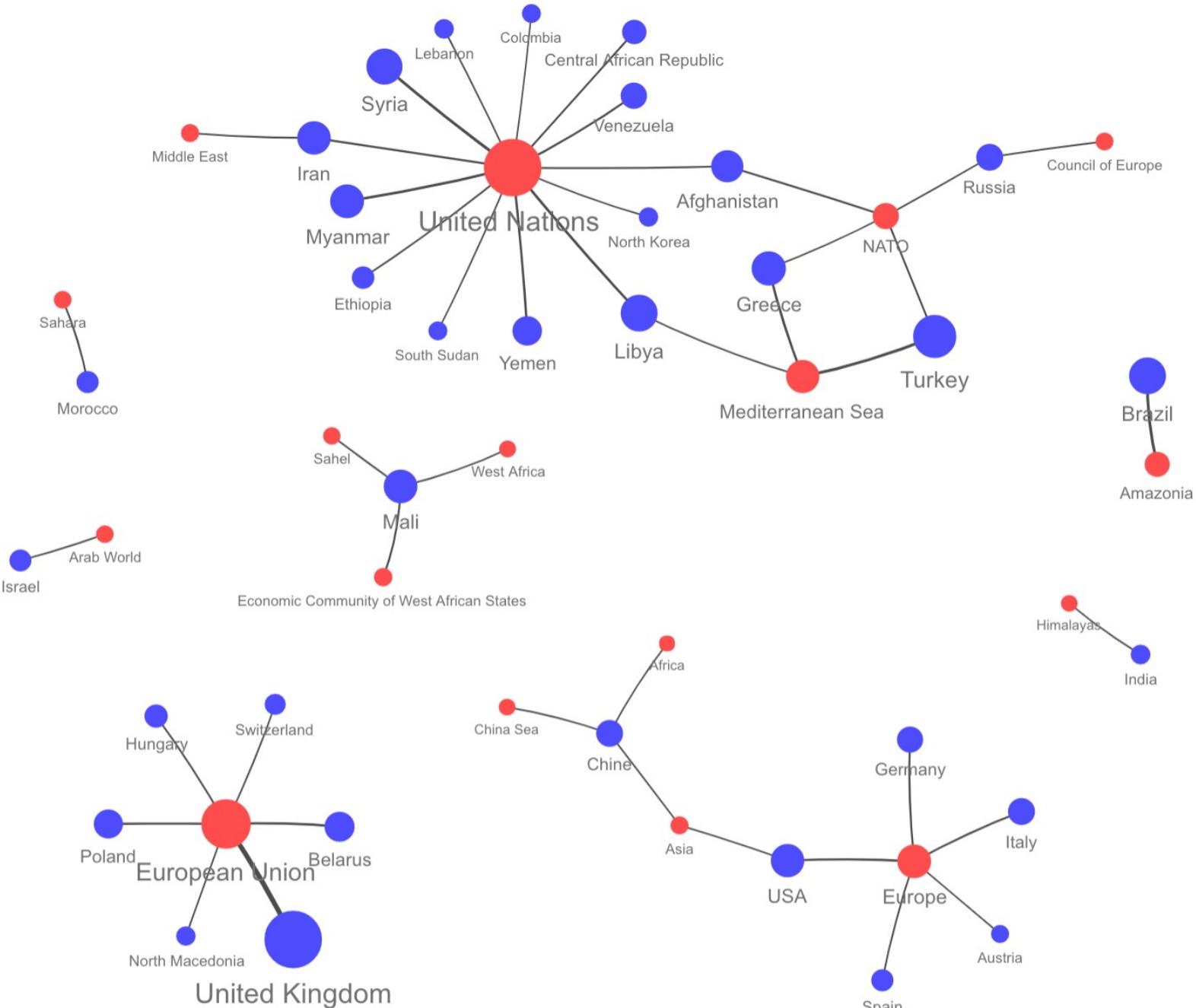


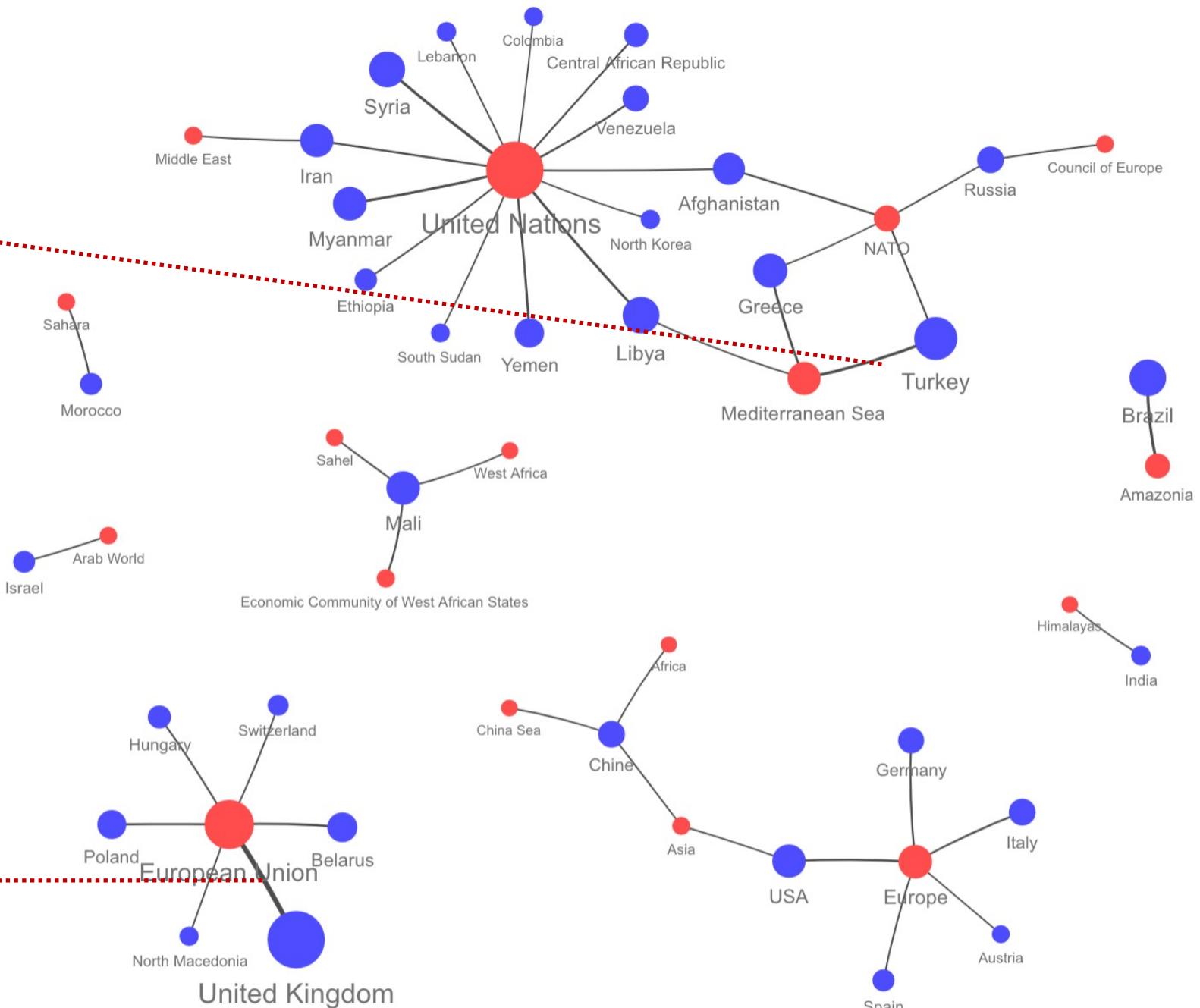


C. ASSOCIATIONS BETWEEN MACROREGIONS AND STATES



region	country	obs	est	dif	sig
European Union	United Kingdom	134	59.2	74.8	***
United Nations	USA	67	60.0	7.0	n.s.
European Union	USA	59	76.7	-17.7	*
Europe	USA	58	37.6	20.4	***
European Union	Chine	51	51.0	0.0	n.s.
United Nations	Syria	47	17.2	29.8	***
European Union	Turkey	46	40.7	5.3	n.s.
United Nations	Libya	45	20.1	24.9	***
European Union	Belarus	39	19.1	19.9	***
European Union	Russia	39	38.8	0.2	n.s.
Mediterranean Sea	Turkey	38	5.8	32.2	***
United Nations	Myanmar	38	12.0	26.0	***
United Nations	Chine	35	39.9	-4.9	n.s.
United Nations	Iran	35	19.6	15.4	***
Europe	United Kingdom	34	29.0	5.0	n.s.
Europe	Chine	33	25.0	8.0	n.s.
Amazonia	Brazil	32	0.8	31.2	***
European Union	Germany	31	24.1	6.9	n.s.
European Union	Poland	31	12.5	18.5	***
United Nations	Venezuela	27	12.5	14.5	***





Minimum link = 4

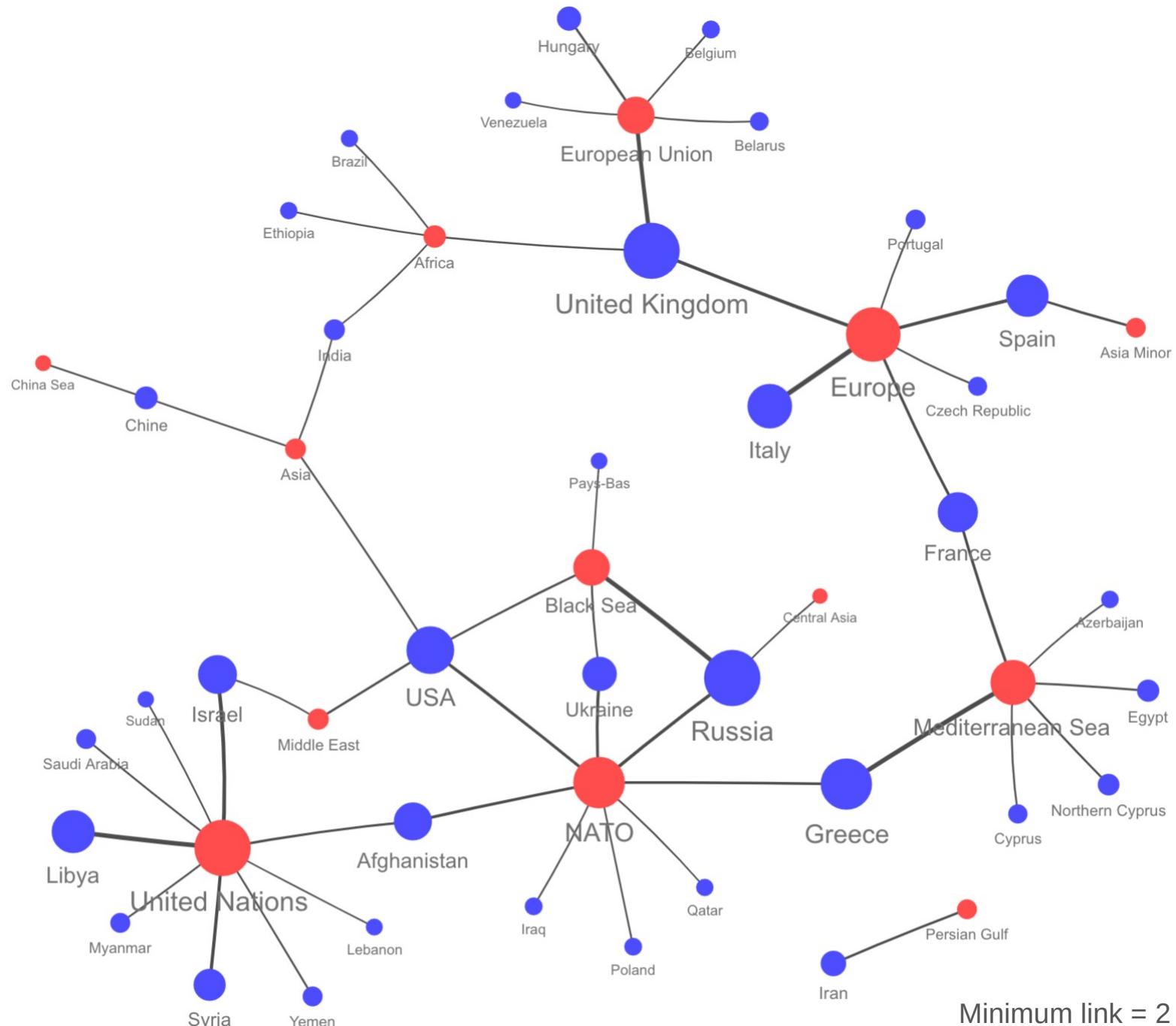
Turkey
(221106 new)

(221106 news)

Yeni Şafak

Cumhuriye

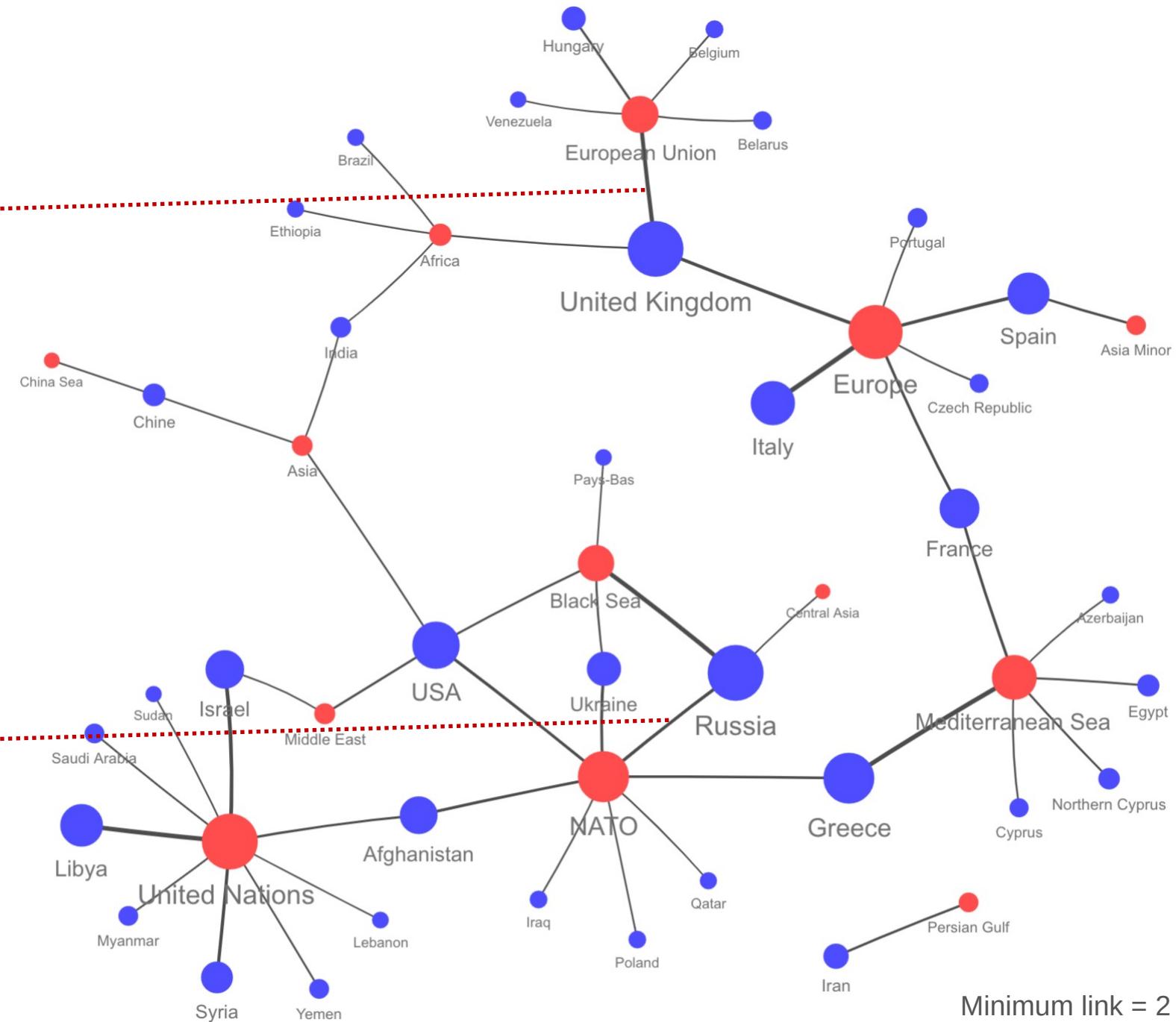
region	country	obs	est	dif	sig
European Union	United Kingdom	50	26.5	23.5	***
European Union	USA	50	61.0	-11.0	n.s.
NATO	USA	47	32.9	14.1	*
Mediterranean Sea	Greece	43	15.3	27.7	***
Europe	Italy	42	12.6	29.4	***
European Union	Russia	39	39.3	-0.3	n.s.
United Nations	Libya	39	11.5	27.5	***
NATO	Russia	38	21.2	16.8	***
European Union	Greece	37	32.3	4.7	n.s.
Europe	United Kingdom	36	18.9	17.1	***
Europe	USA	34	43.5	-9.5	n.s.
Black Sea	Russia	33	7.2	25.8	***
United Nations	Israel	32	12.5	19.5	***
United Nations	USA	32	41.0	-9.0	n.s.
Mediterranean Sea	USA	29	28.9	0.1	n.s.
NATO	Greece	28	17.4	10.6	*
Europe	France	27	15.0	12.0	**
Europe	Spain	26	8.4	17.6	***
Mediterranean Sea	France	22	9.9	12.1	***
United Nations	Syria	22	6.6	15.4	***



savaş

gemisini açıklaması tatbikat NATO ABD İngiliz ateş kritik açtı gemisine

The image features a large black circle centered on a white background. Inside the circle, there is a dense arrangement of words in various sizes and colors. The most prominent word, 'brexit', is written in large, bold, red capital letters at the bottom center. Above it, the word 'ile' is written in large, bold, dark red capital letters. To the left of 'ile', the word '31' is written in blue capital letters above the word 'başbakanı' in blue capital letters. To the right of 'ile', the word 'bir' is written in blue capital letters above the word 'arasındaki' in blue capital letters. In the upper right quadrant, the word 'birligi' is written in blue capital letters above the word 'inden' in blue capital letters. Other visible words include 'anlaşması' (blue), 'johnson' (blue), 'arasında.' (blue), 'boris' (blue), 'avrupa' (light blue), 'ticaret' (light blue), 'başkanı' (blue), and 'arasındaki' (blue). The overall composition suggests a complex political negotiation, specifically the Brexit deal between the UK and the European Union.



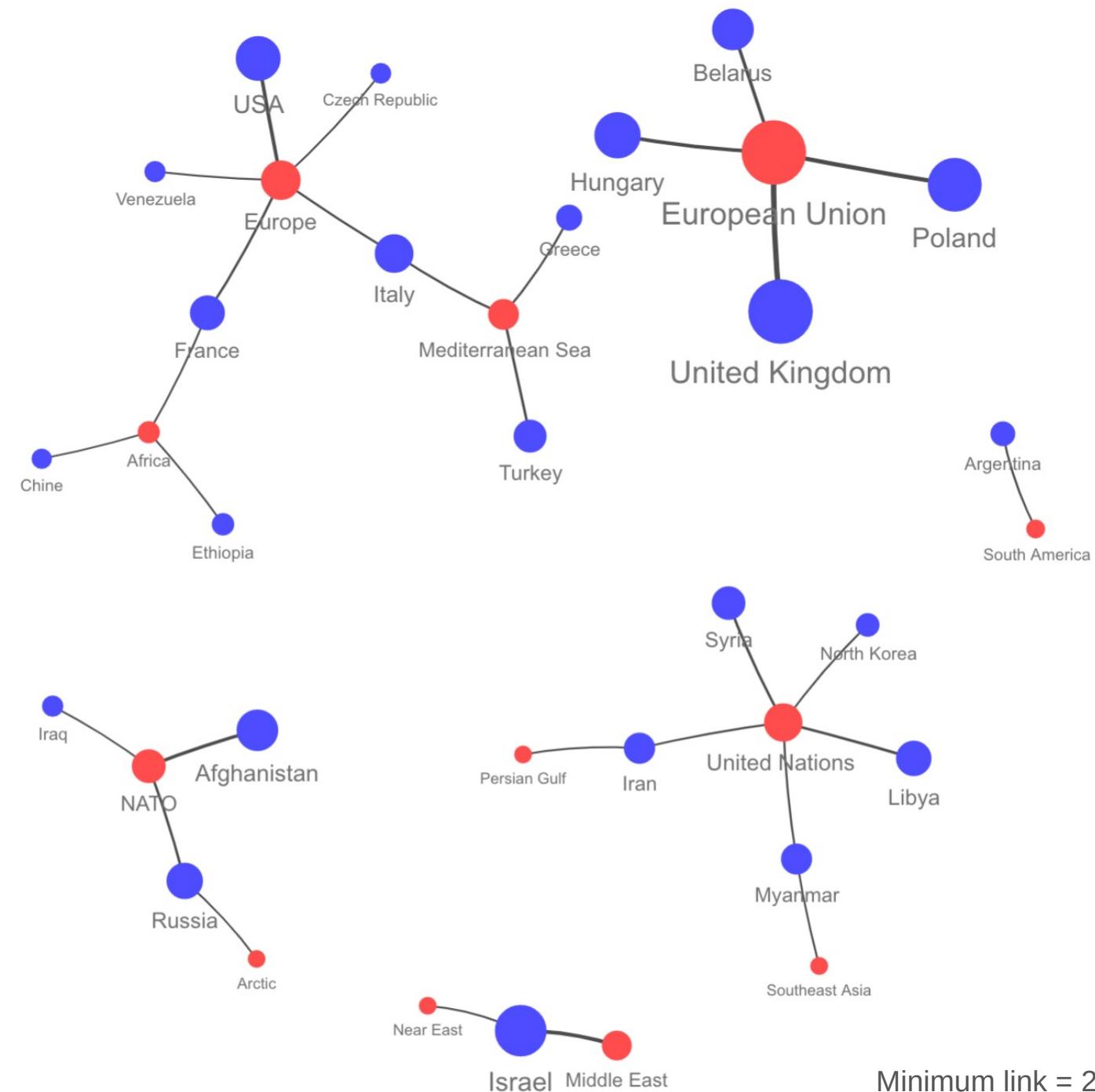
Germany (121620 news)

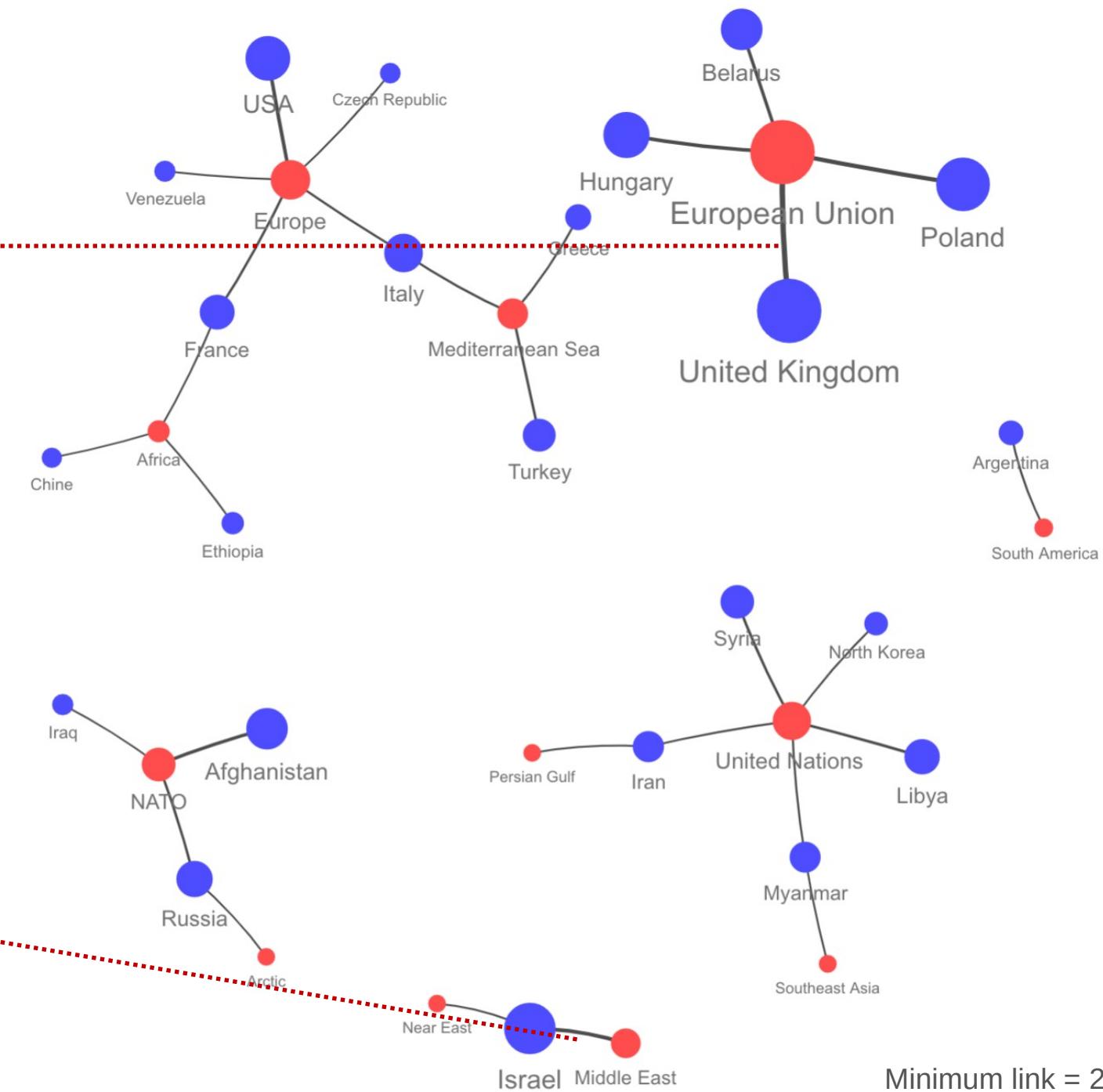
Frankfurter Allgemeine

ZEITUNG FÜR DEUTSCHLAND

Süddeutsche
Zeitung

region	country	obs	est	dif	sig
European Union	United Kingdom	73	42.8	30.2	***
European Union	Poland	52	30.5	21.5	***
European Union	Chine	41	41.1	-0.1	n.s.
European Union	Turkey	40	33.1	6.9	n.s.
European Union	Russia	39	37.4	1.6	n.s.
European Union	Hungary	37	20.8	16.2	***
European Union	USA	36	52.4	-16.4	*
European Union	Belarus	34	20.8	13.2	**
Europe	USA	28	12.8	15.2	***
Middle East	Israel	18	0.9	17.1	***
European Union	Italy	15	18.7	-3.7	n.s.
NATO	Afghanistan	15	1.9	13.1	***
Europe	Chine	13	10.1	2.9	n.s.
European Union	France	12	18.2	-6.2	n.s.
NATO	Russia	12	4.7	7.3	***
Europe	France	11	4.4	6.6	**
United Nations	Libya	11	1.6	9.4	***
Europe	Italy	10	4.6	5.4	*
Mediterranean Sea	Turkey	10	2.0	8.0	***
United Nations	Syria	10	1.6	8.4	***





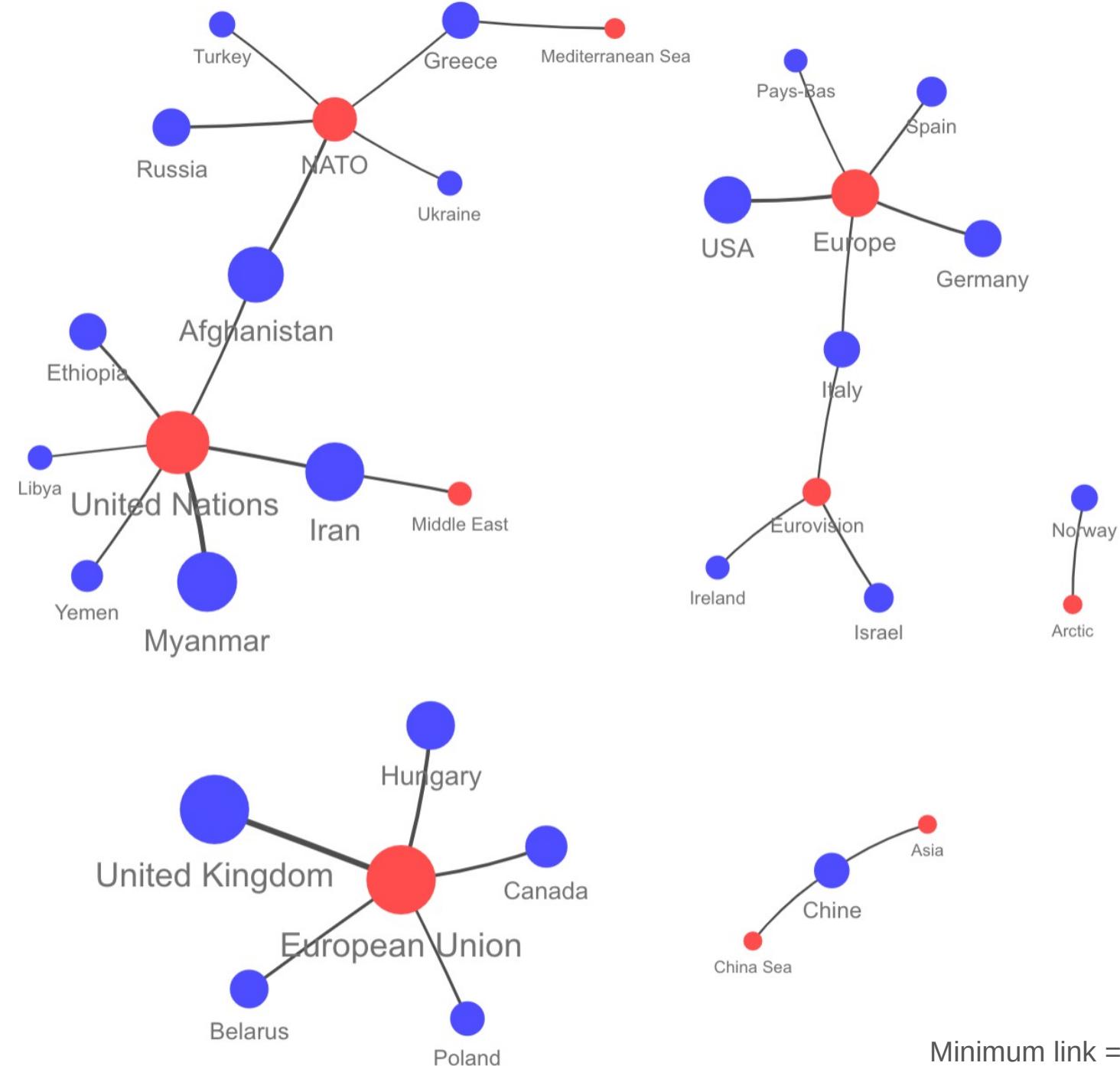
Ireland & Ulster

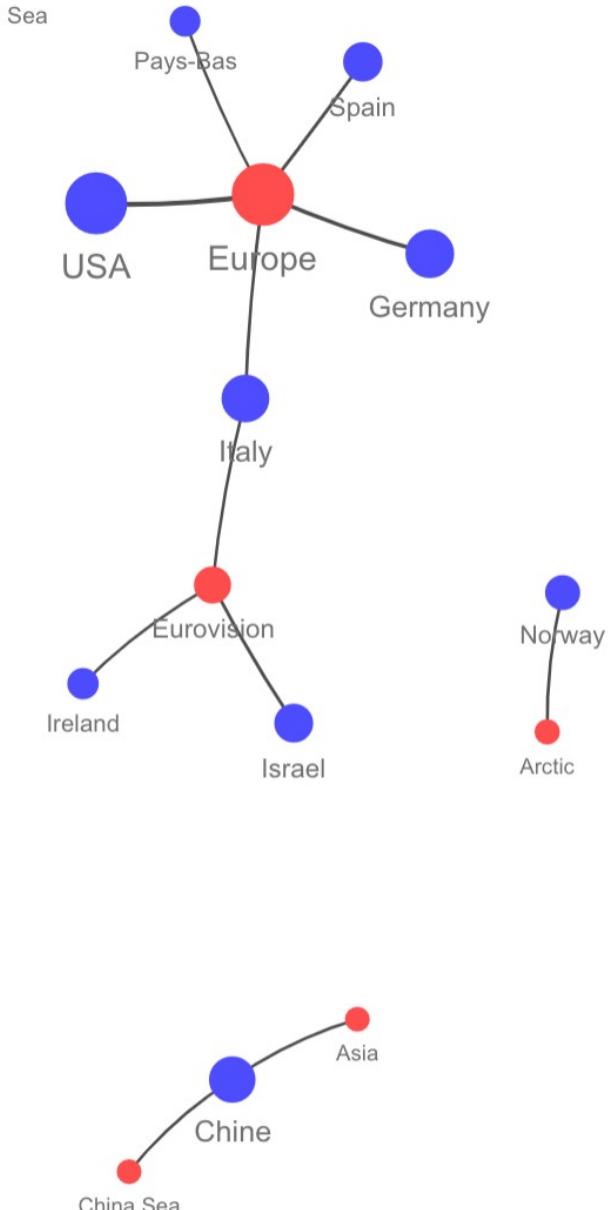
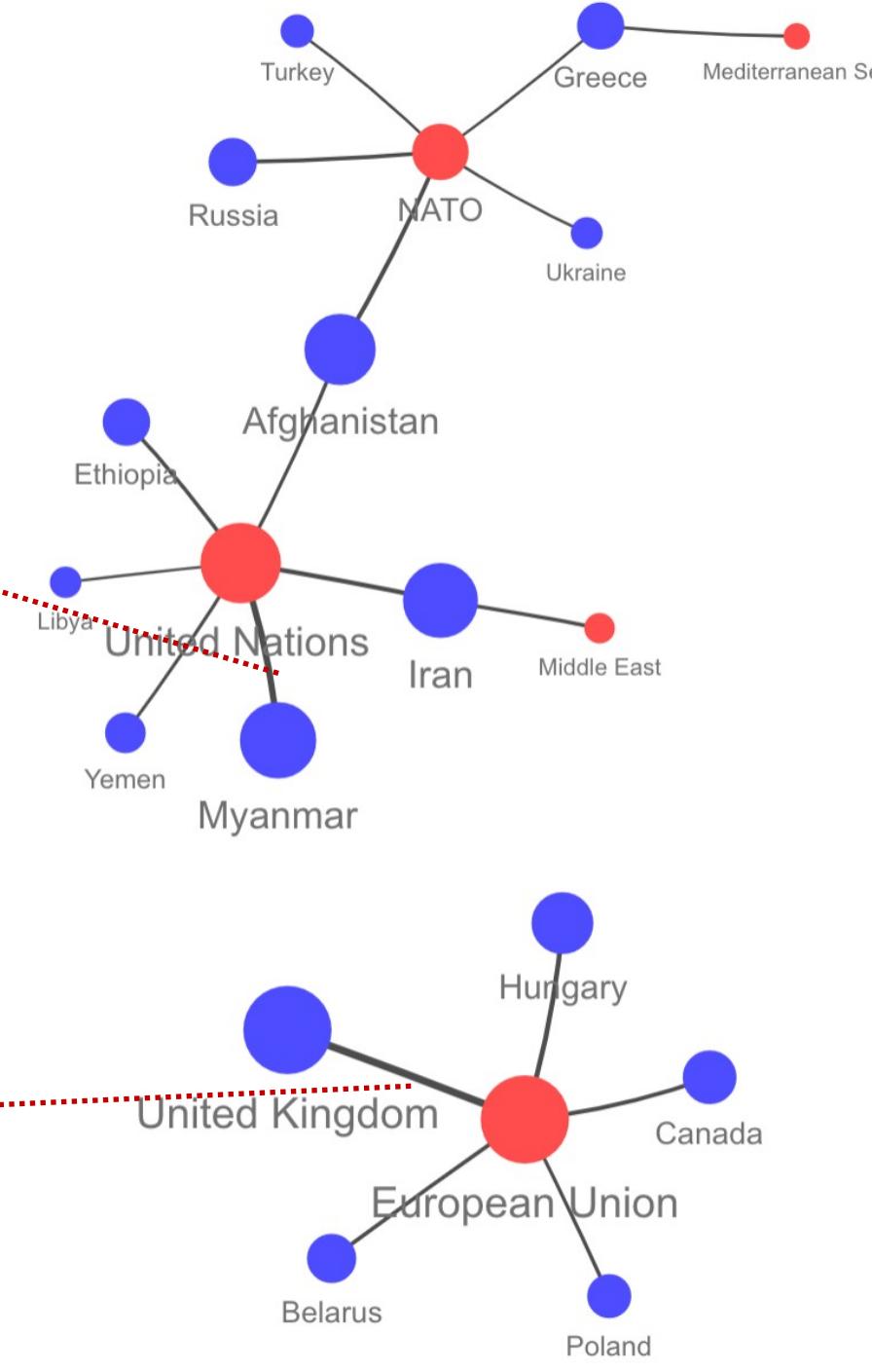
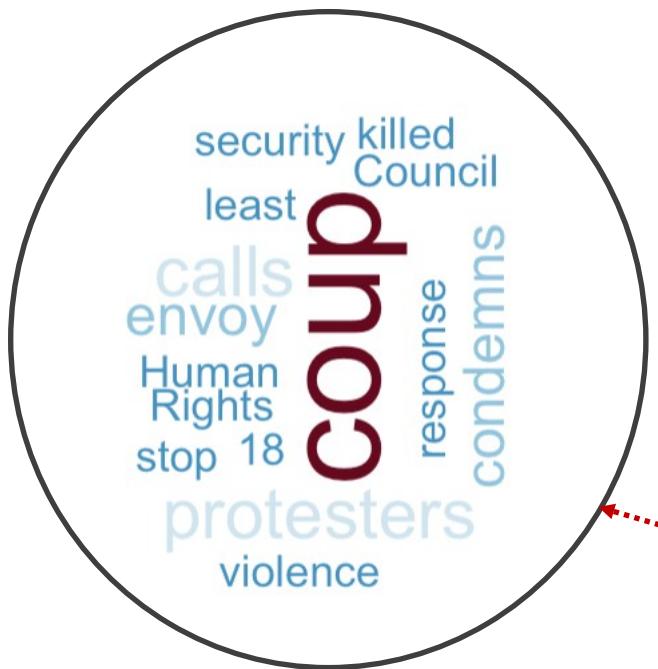
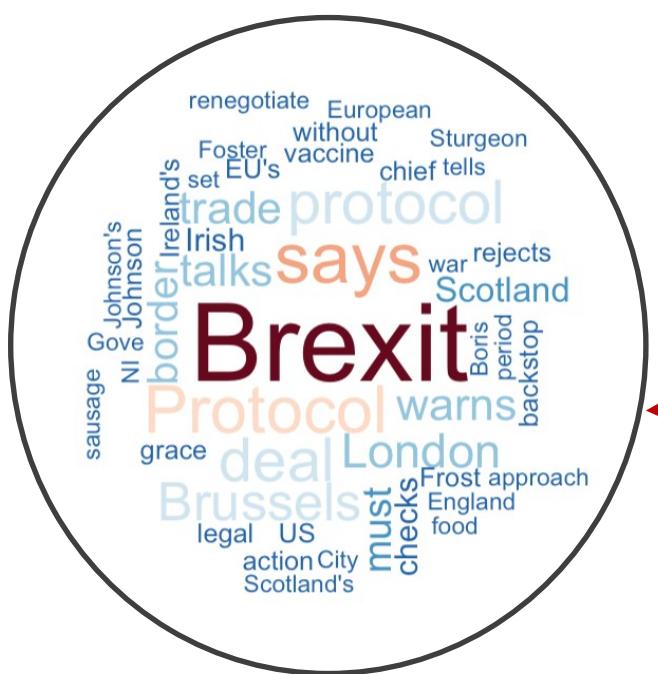
(200645 news)



THE IRISH TIMES

region	country	obs	est	dif	sig
European Union	United Kingdom	58	39.4	18.6	**
European Union	Chine	27	32.0	-5.0	n.s.
European Union	Ireland	26	20.5	5.5	n.s.
European Union	Hungary	24	14.2	9.8	**
European Union	Belarus	19	12.6	6.4	*
European Union	Canada	17	9.5	7.5	*
United Nations	Myanmar	17	2.7	14.3	***
European Union	France	16	14.7	1.3	n.s.
European Union	Germany	15	14.7	0.3	n.s.
European Union	Russia	15	15.2	-0.2	n.s.
Europe	United Kingdom	14	10.9	3.1	n.s.
European Union	Poland	13	7.9	5.1	*
Europe	Chine	12	8.9	3.1	n.s.
Europe	USA	12	2.6	9.4	***
European Union	Turkey	12	10.0	2.0	n.s.
United Nations	Iran	11	2.8	8.2	***
Europe	Germany	10	4.1	5.9	**
NATO	Afghanistan	9	1.4	7.6	***
European Union	Australia	8	6.3	1.7	n.s.
European Union	Italy	8	10.5	-2.5	n.s.





Minimum link = 2

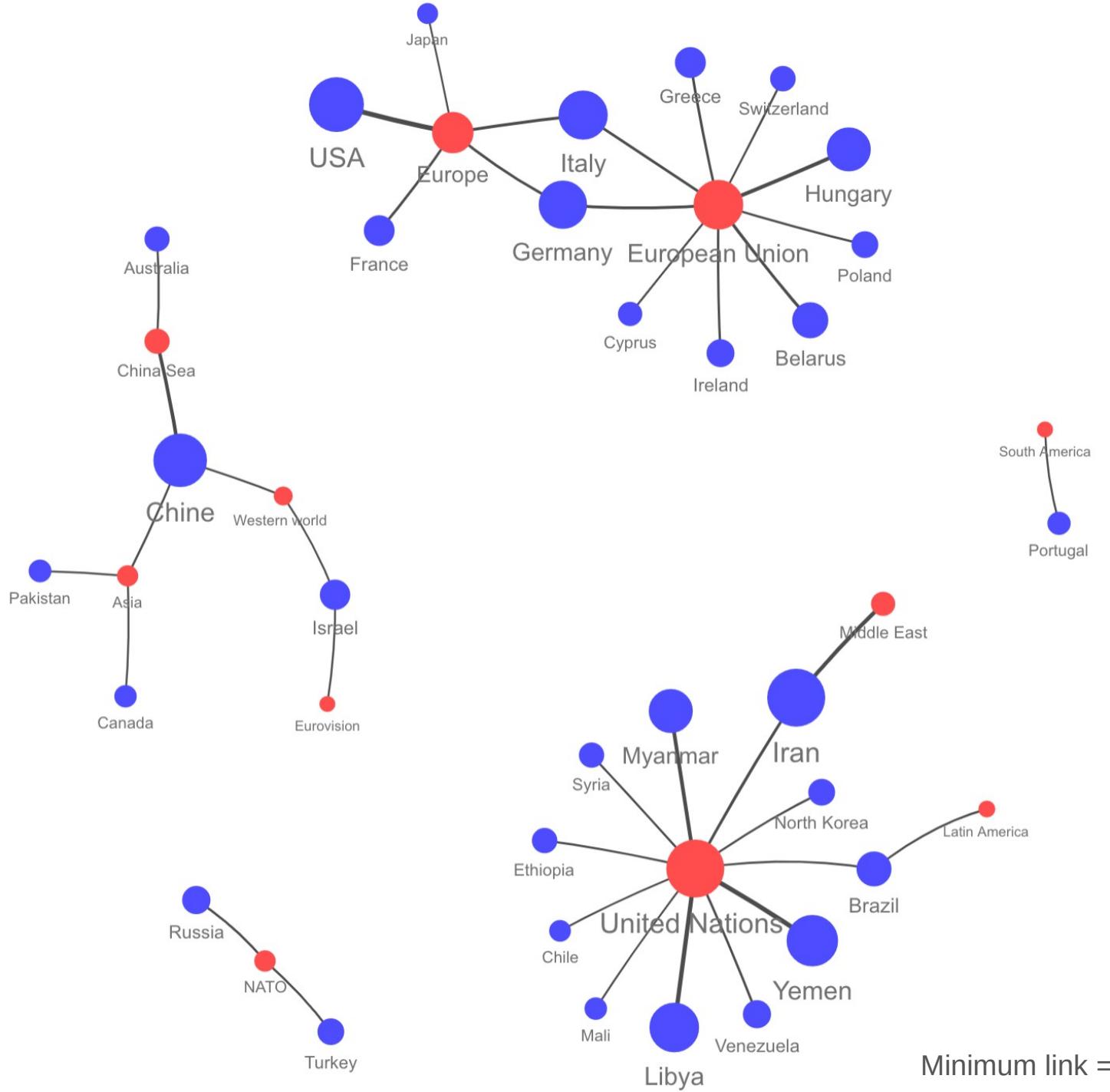
United Kingdom

(111293 news)

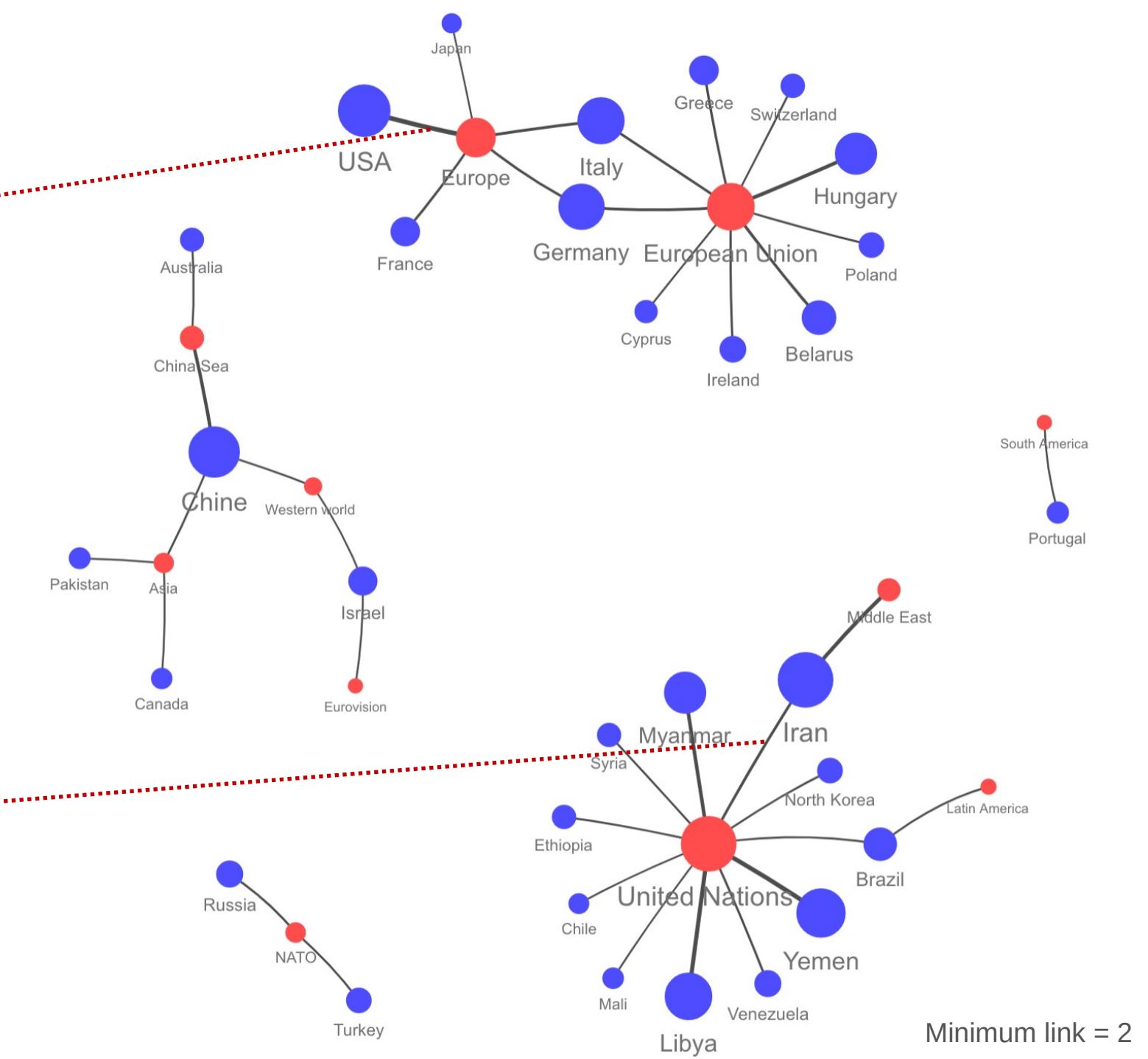
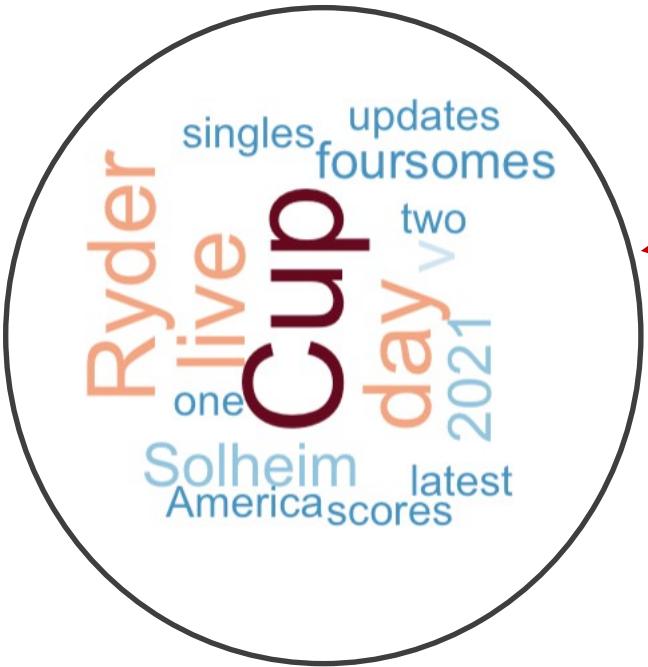
the guardian

The Daily Telegraph

region	country	obs	est	dif	sig
Europe	USA	26	8.4	17.6	***
United Nations	Iran	23	15.9	7.1	*
United Nations	Libya	21	6.4	14.6	***
United Nations	Yemen	21	5.4	15.6	***
Europe	Chine	18	18.4	-0.4	n.s.
European Union	Italy	18	11.6	6.4	*
Europe	Italy	17	9.1	7.9	**
European Union	Germany	17	9.0	8.0	**
European Union	Hungary	17	5.4	11.6	***
United Nations	Myanmar	16	4.4	11.6	***
Europe	France	15	9.3	5.7	*
European Union	Chine	15	23.5	-8.5	*
European Union	France	15	11.9	3.1	n.s.
Middle East	Iran	14	1.6	12.4	***
Europe	Germany	13	7.1	5.9	*
European Union	Belarus	13	5.1	7.9	***
United Nations	Chine	13	21.3	-8.3	*
China Sea	Chine	12	1.8	10.2	***
Europe	Iran	11	13.7	-2.7	n.s.
European Union	Spain	11	7.1	3.9	n.s.

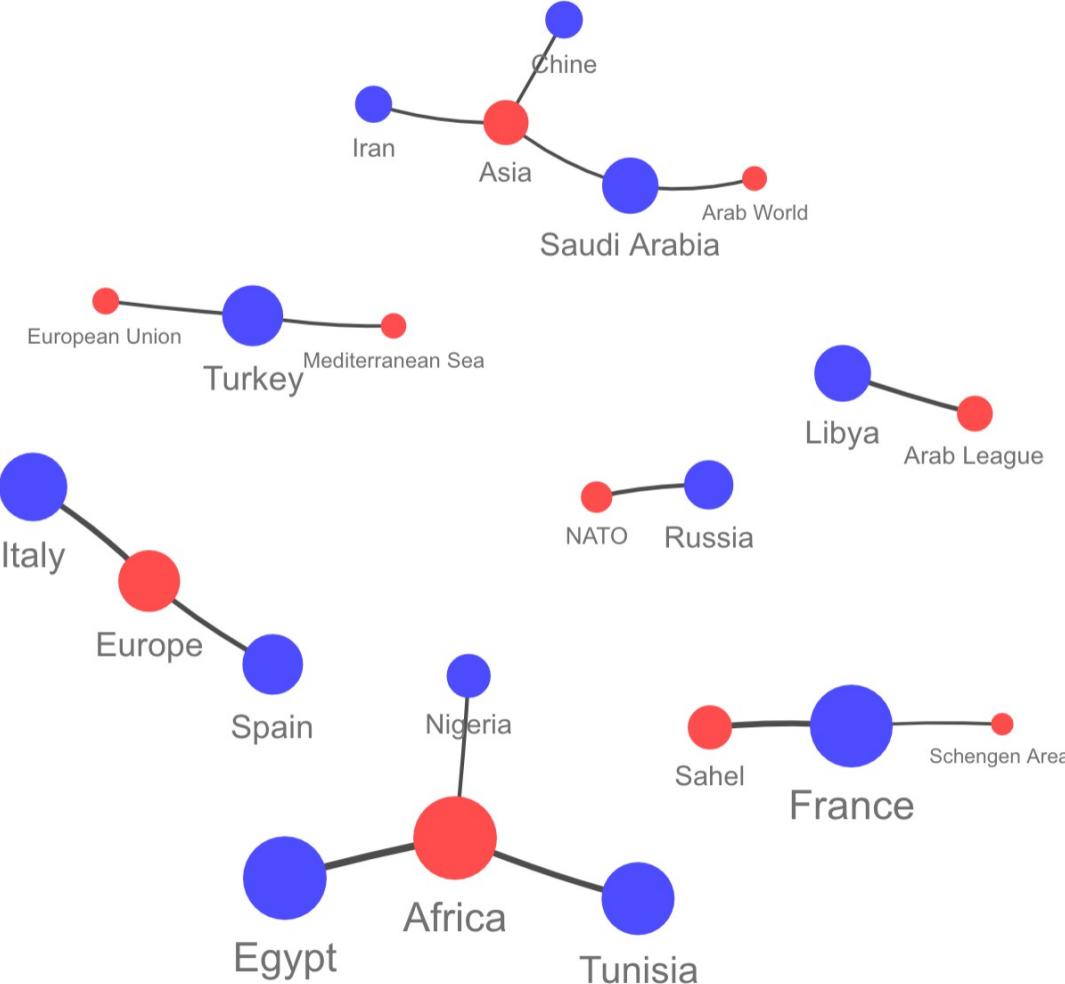


Minimum link = 2





region	country	obs	est	dif	sig
Africa	Egypt	11	4.3	6.7	**
Africa	Tunisia	10	4.6	5.4	*
Africa	Morocco	7	4.3	2.7	n.s.
Europe	Italy	6	1.1	4.9	***
Sahel	France	6	0.9	5.1	***
Europe	Spain	5	1.0	4.0	***
Africa	Nigeria	4	1.7	2.3	*
Africa	USA	4	3.6	0.4	n.s.
Arab League	Libya	4	0.4	3.6	***
European Union	Libya	4	2.1	1.9	n.s.
United Nations	Libya	4	1.9	2.1	n.s.
Africa	Libya	3	5.3	-2.3	n.s.
Europe	France	3	2.2	0.8	n.s.
European Union	France	3	2.4	0.6	n.s.
European Union	Tunisia	3	1.8	1.2	n.s.
European Union	Turkey	3	0.9	2.1	*
NATO	Russia	3	0.2	2.8	***
Africa	France	2	6.3	-4.3	*
Africa	Italy	2	3.3	-1.3	n.s.
Africa	Mali	2	2.3	-0.3	n.s.



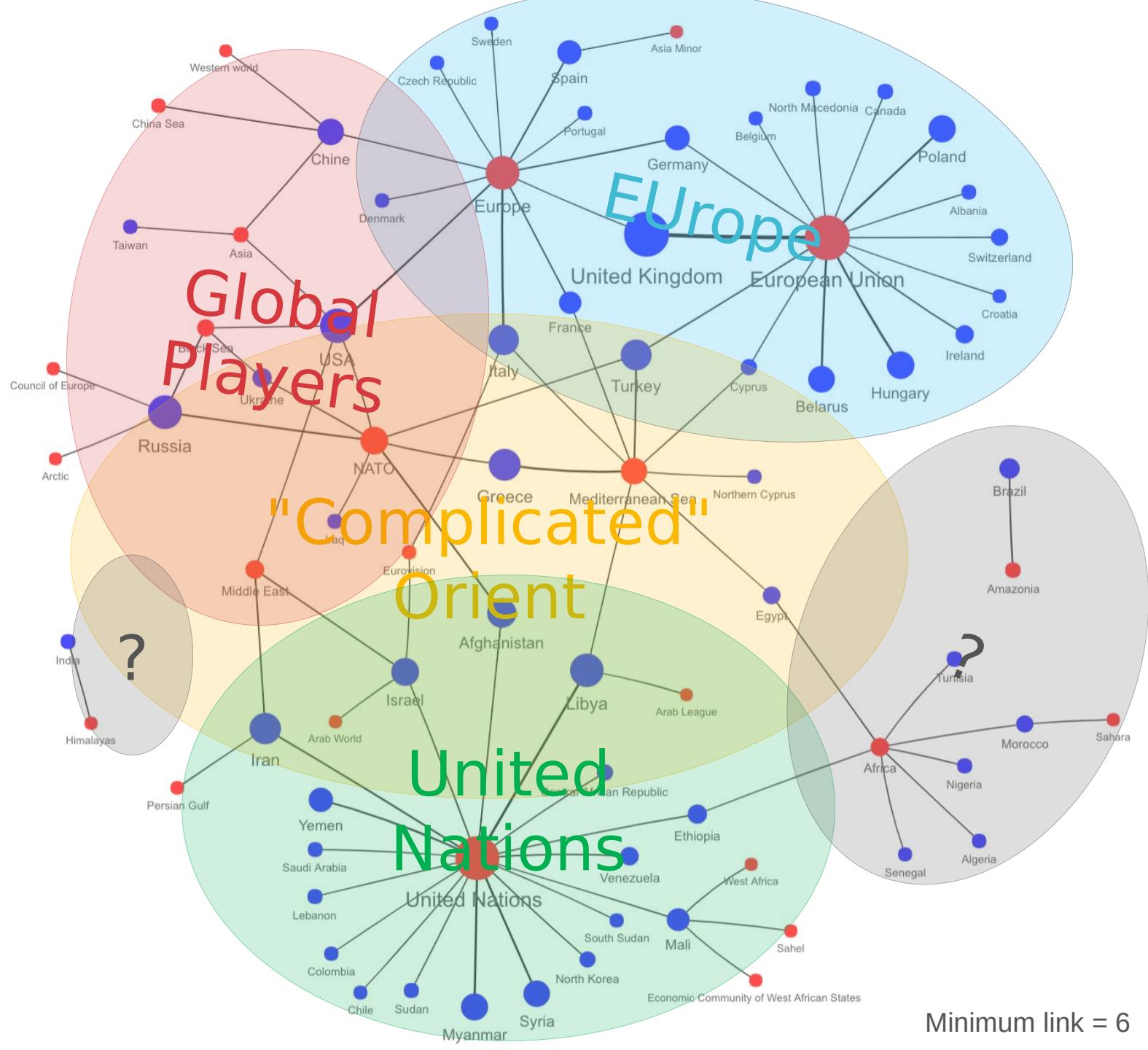
Minimum link = 1



D. DISCUSSION & RESEARCH PERSPECTIVES

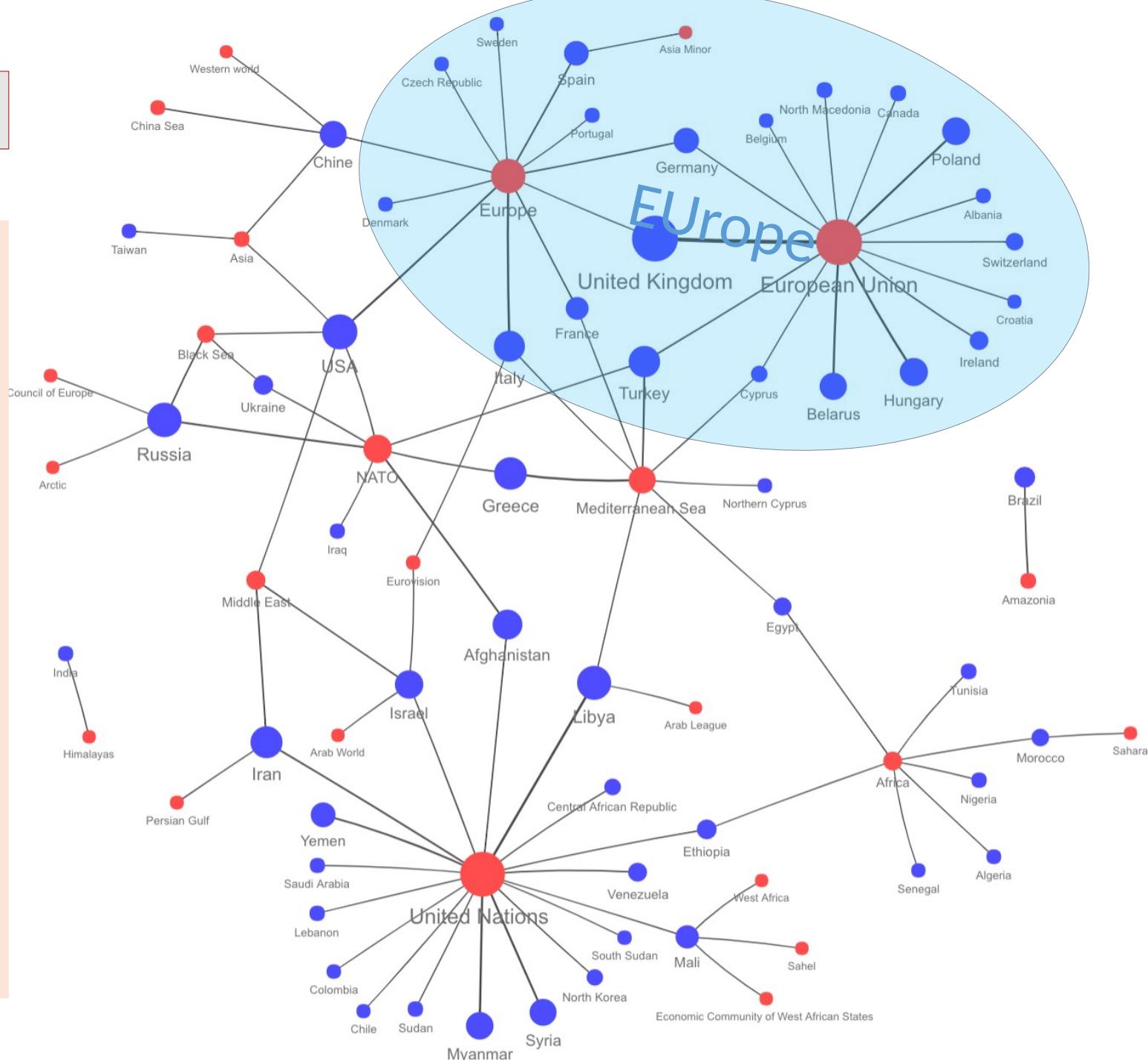


region	country	obs	est	dif	sig
European Union	United Kingdom	315	149.9	165.1	***
Europe	USA	160	105.9	54.1	***
European Union	USA	153	218.4	-65.4	***
European Union	Chine	148	146.2	1.8	n.s.
European Union	Russia	141	142.9	-1.9	n.s.
United Nations	Libya	124	42.9	81.1	***
European Union	Belarus	114	52.7	61.3	***
European Union	Poland	111	47.1	63.9	***
European Union	Hungary	110	43.8	66.2	***
United Nations	USA	110	127.0	-17.0	n.s.
European Union	Turkey	108	81.0	27.0	**
Europe	Italy	105	37.5	67.5	***
United Nations	Iran	92	51.1	40.9	***
United Nations	Syria	90	30.1	59.9	***
Europe	United Kingdom	87	72.6	14.4	*
Europe	Chine	85	70.9	14.1	*
United Nations	Myanmar	83	20.1	62.9	***
European Union	Germany	82	63.9	18.1	*
European Union	Italy	80	77.4	2.6	n.s.
Mediterranean Sea	Greece	79	11.9	67.1	***



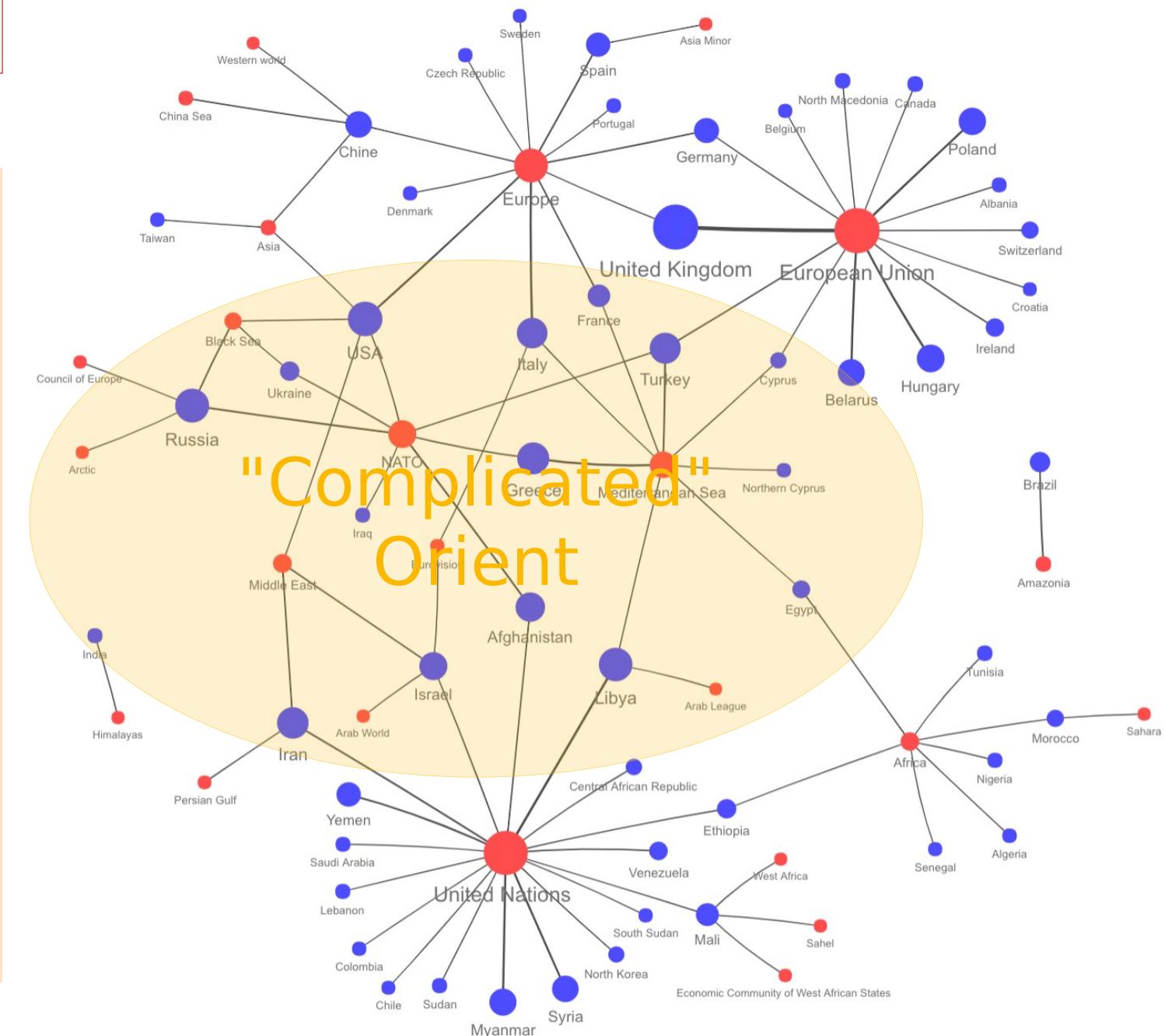
EU versus Europe

- How can we explain the variations of frequency of use between media and languages ?
- Why do we observe that some countries are more associated to EU (UK, Hungary, Turkey, ..) and other more associated to Europe (Spain, Italy, France, USA) ?
- Can we observe changes through time in relation with specific events (Brexit, Migrant crisis)



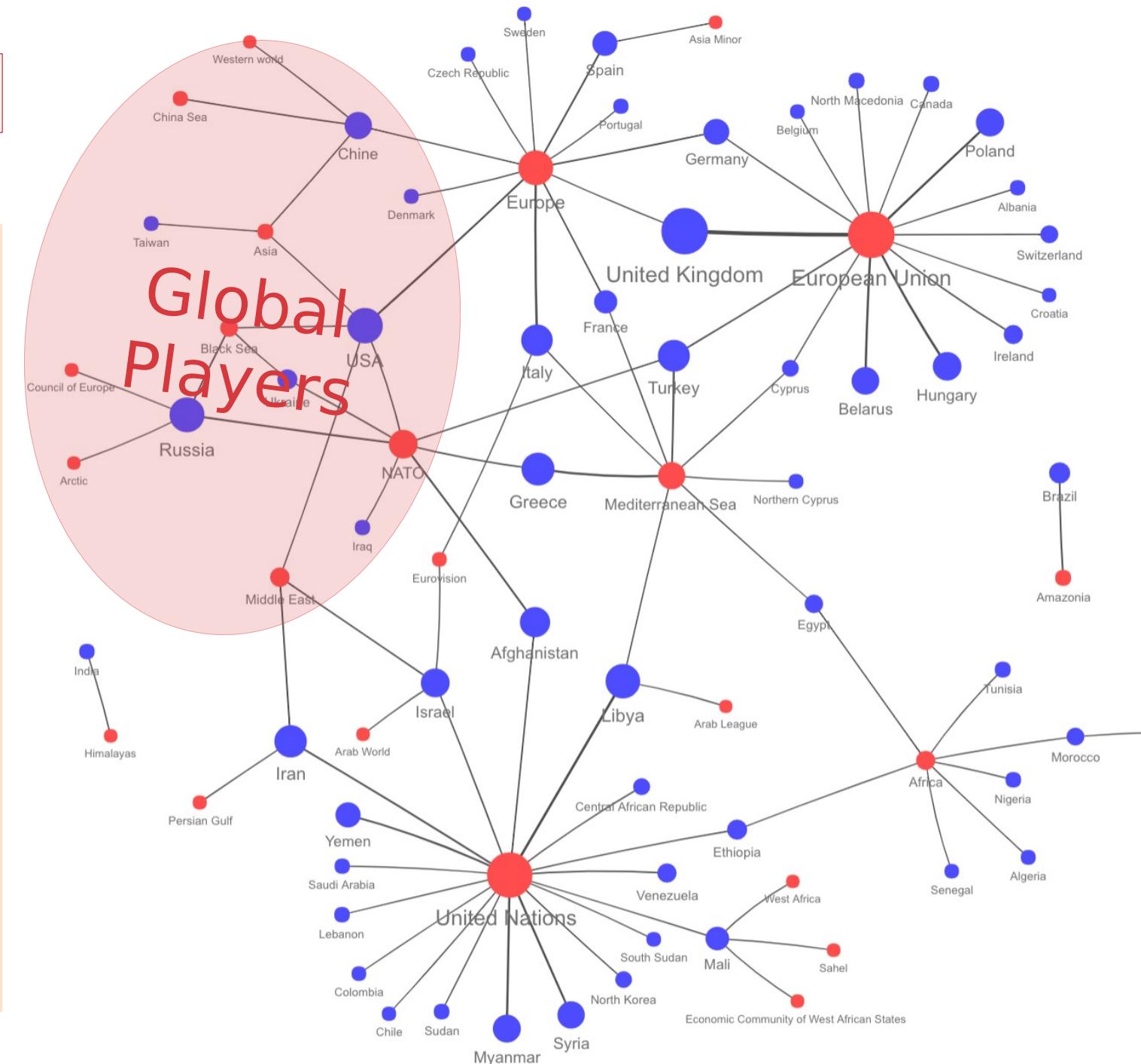
"Complicated" Orient

- Do we observe the emergence of a "crisis macroregion" linking Mediterranean Sea, Black Sea and Middle East ?
- What are the roles of NATO or OSCE in the perception of this macroregion ?
- Which countries of EU and EU neighborhood are the most associated to this area by media ?



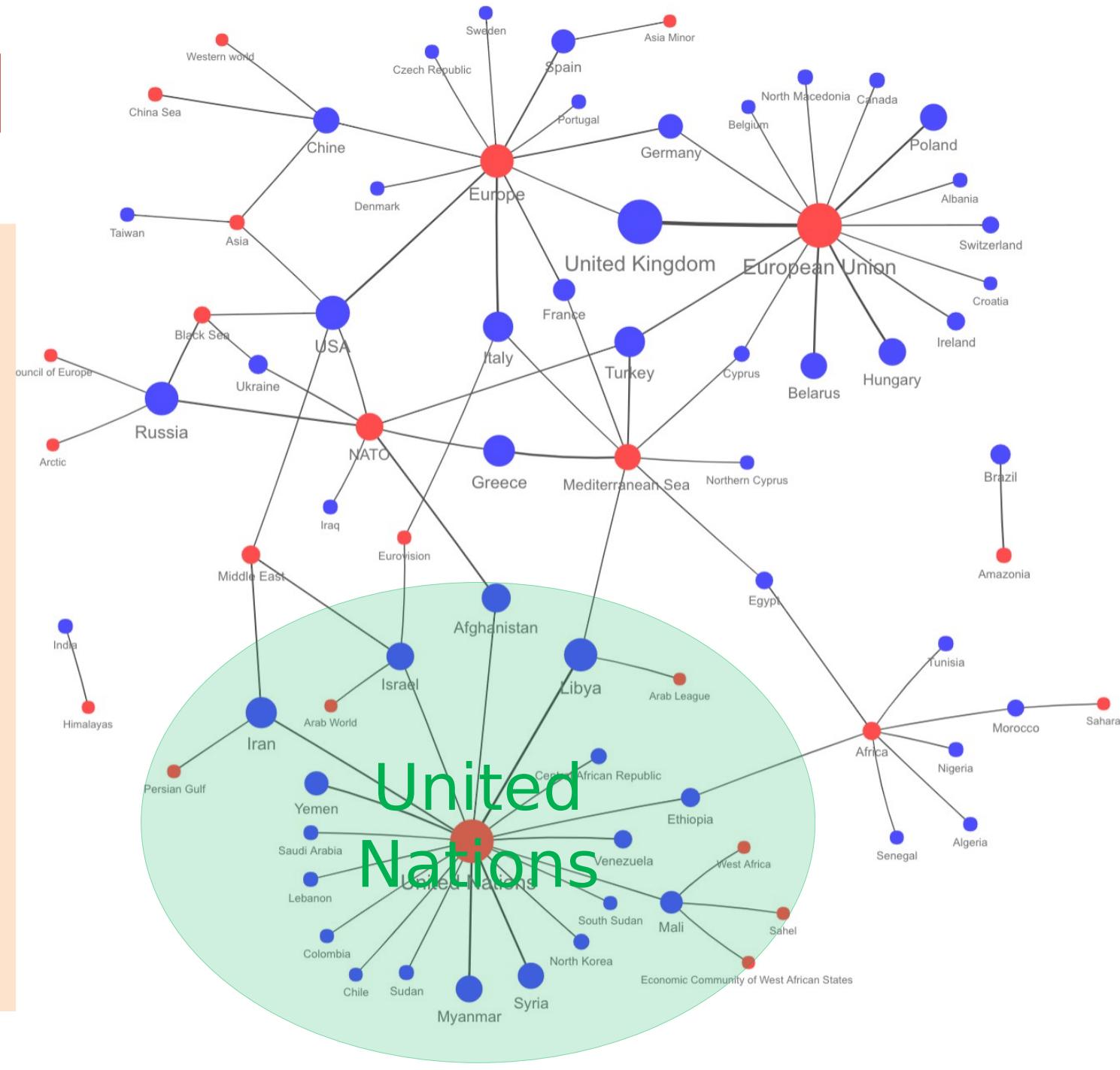
Global Players

- Should we consider USA, China and Russia as *macroregion* rather than just states ?
 - To what extent should we introduce political leaders (*Putin, Xi Jping, Trum or Biden*) in the analysis ?
 - Can we compare bilateral relations (states of the EU one by one) and multilateral relations (EU or Europe as a whole) with the global players ?



Global Regions

- What are the effects of the inclusion of global level organisations (UN, IMF, ...) or regions (Earth, Planet, ...) in the analysis ?
 - Is the frequency of UN in news specific to media which want to be considered as global (*Guardian, Le Monde, ...*) ?
 - Can we consider UN mention as specific to remote crisis in small and poor countries (*Rohyngyas, Ethiopia, ...*) ?



Undercovered regions

- Why do we find very few mention of Africa, Latin America or southern Asia in news. Is it only an effect of distance ?
- Can we observe a kind of "division of work" between former colonial countries or Europe with specific focus on Africa (France, UK), Latin America (Spain, Portugal), Asia (Germany, UK), etc. ?

