

# Mapping the web e-Diasporas Atlas

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# The web is not Internet

...it is not the digital  
technologies using discrete (discontinuous) data

...telecommunications  
networks of terminals connecting users

...Internet  
the network of computers using the IP standard

The web is what you see in your browser

# 1. The web as a source

# Using a search engine

«Bisphenol»

[http://en.wikipedia.org/wiki/Bisphenol\\_A](http://en.wikipedia.org/wiki/Bisphenol_A)

«Bisphenol heart diseases controversy»

<http://www.foxnews.com/health/2012/03/07/bpa-chemical-may-be-tied-to-heart-disease/>

«Bisphenol Melzer controversy»

[http://www.thelancet.com/journals/lancet/article/PIIS0140-6736\(12\)60496-6/fulltext](http://www.thelancet.com/journals/lancet/article/PIIS0140-6736(12)60496-6/fulltext)

# Using a search engine

«Bisphenol»

[http://en.wikipedia.org/wiki/Bisphenol\\_A](http://en.wikipedia.org/wiki/Bisphenol_A)

BPA, Polycarbonate, endocrine disruptor, heart disease...

«Bisphenol heart diseases controversy»

<http://www.foxnews.com/health/2012/03/07/bpa-chemical-may-be-tied-to-heart-disease/>

David Melzer, Food and Drug Administration, coronary artery disease...

«Bisphenol Melzer controversy»

[http://www.thelancet.com/journals/lancet/article/PIIS0140-6736\(12\)60496-6/fulltext](http://www.thelancet.com/journals/lancet/article/PIIS0140-6736(12)60496-6/fulltext)

Monica Lind, Jeremy Pearson, Steven Hentges, Polycarbonate Global Soup...

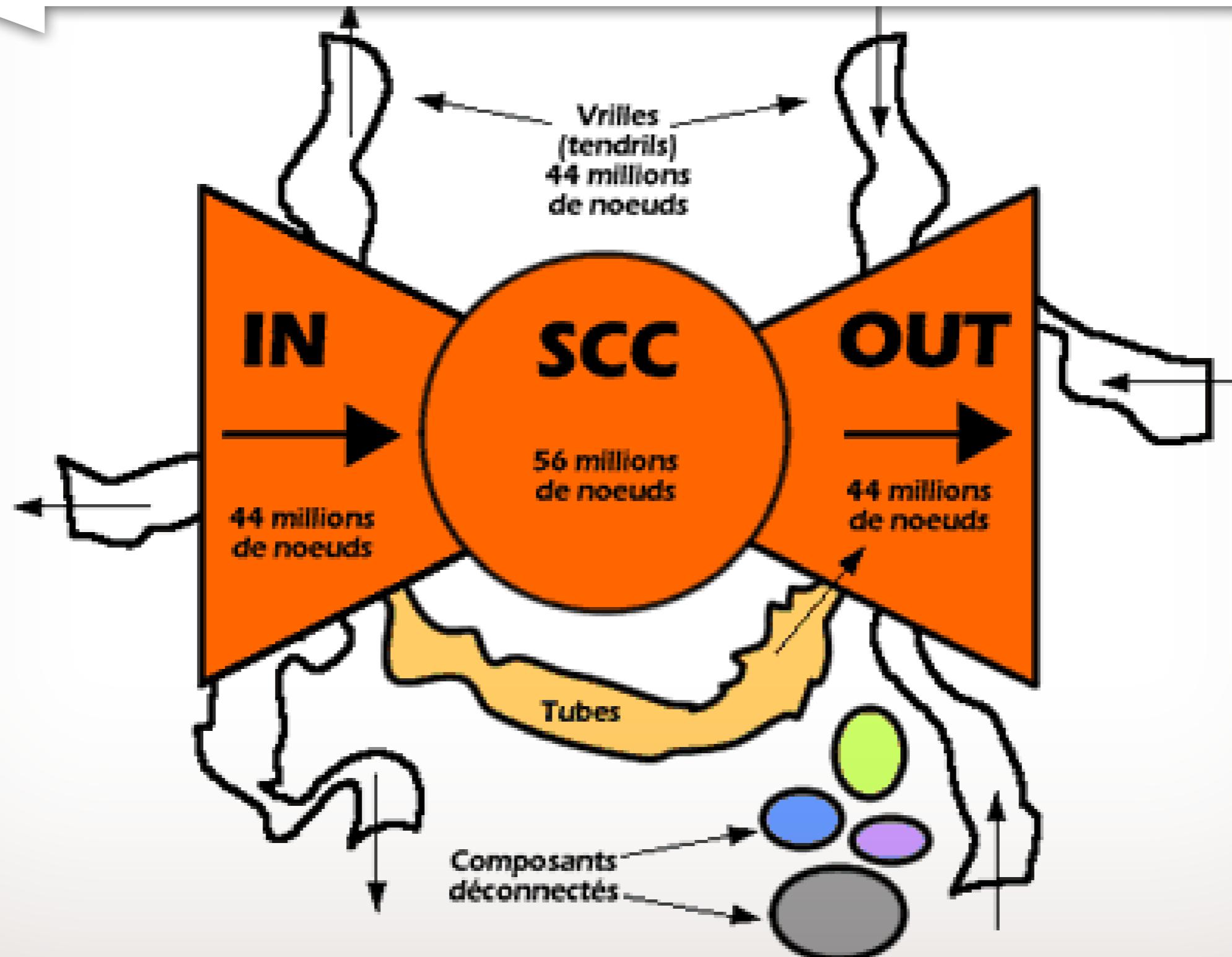
## 2. The web as a space

# Open question

How do you picture the web?

# The shape of the web

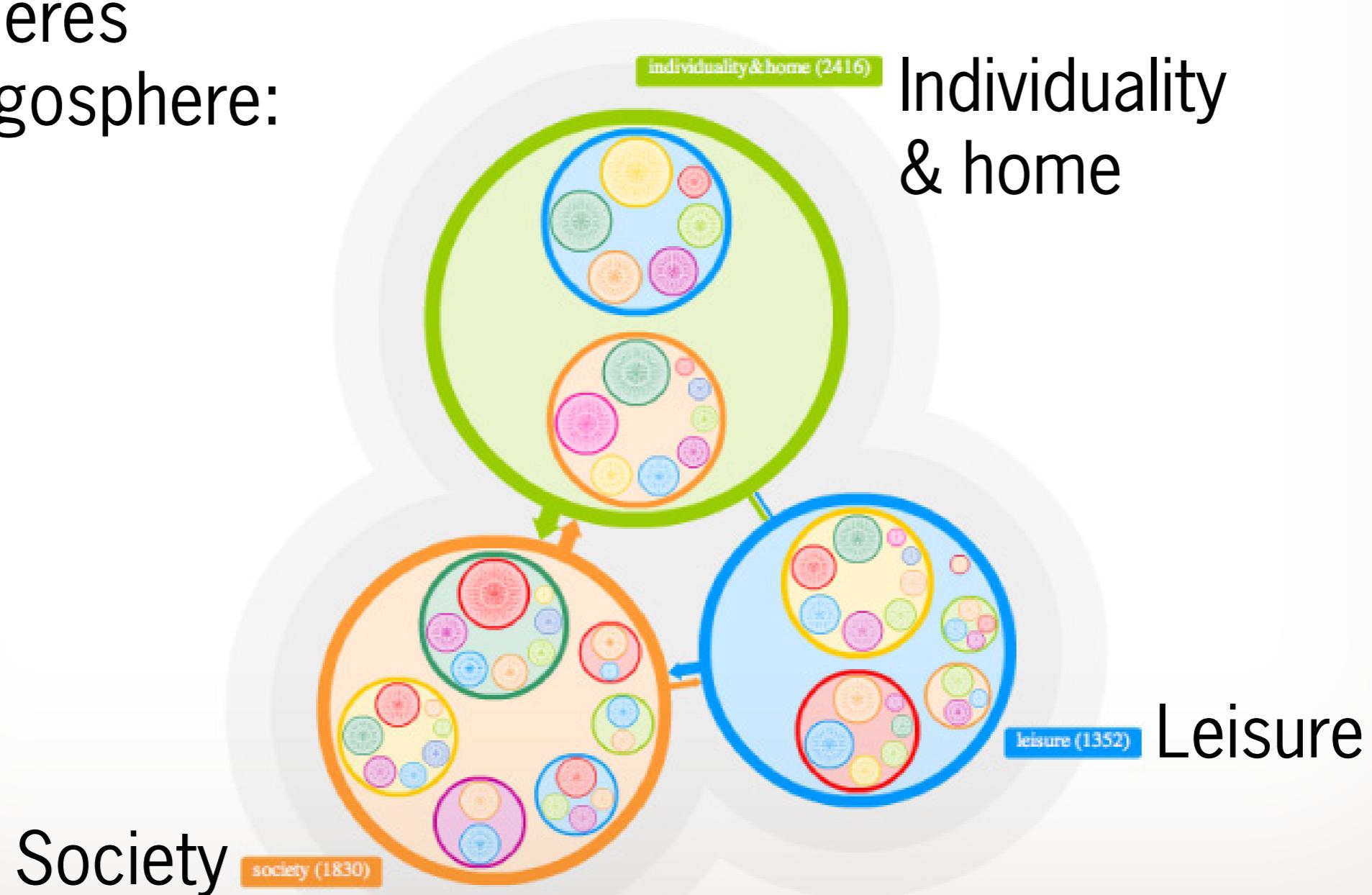
*The bow tie model,  
IBM's Almaden Research,  
2000*



# The shape of the web

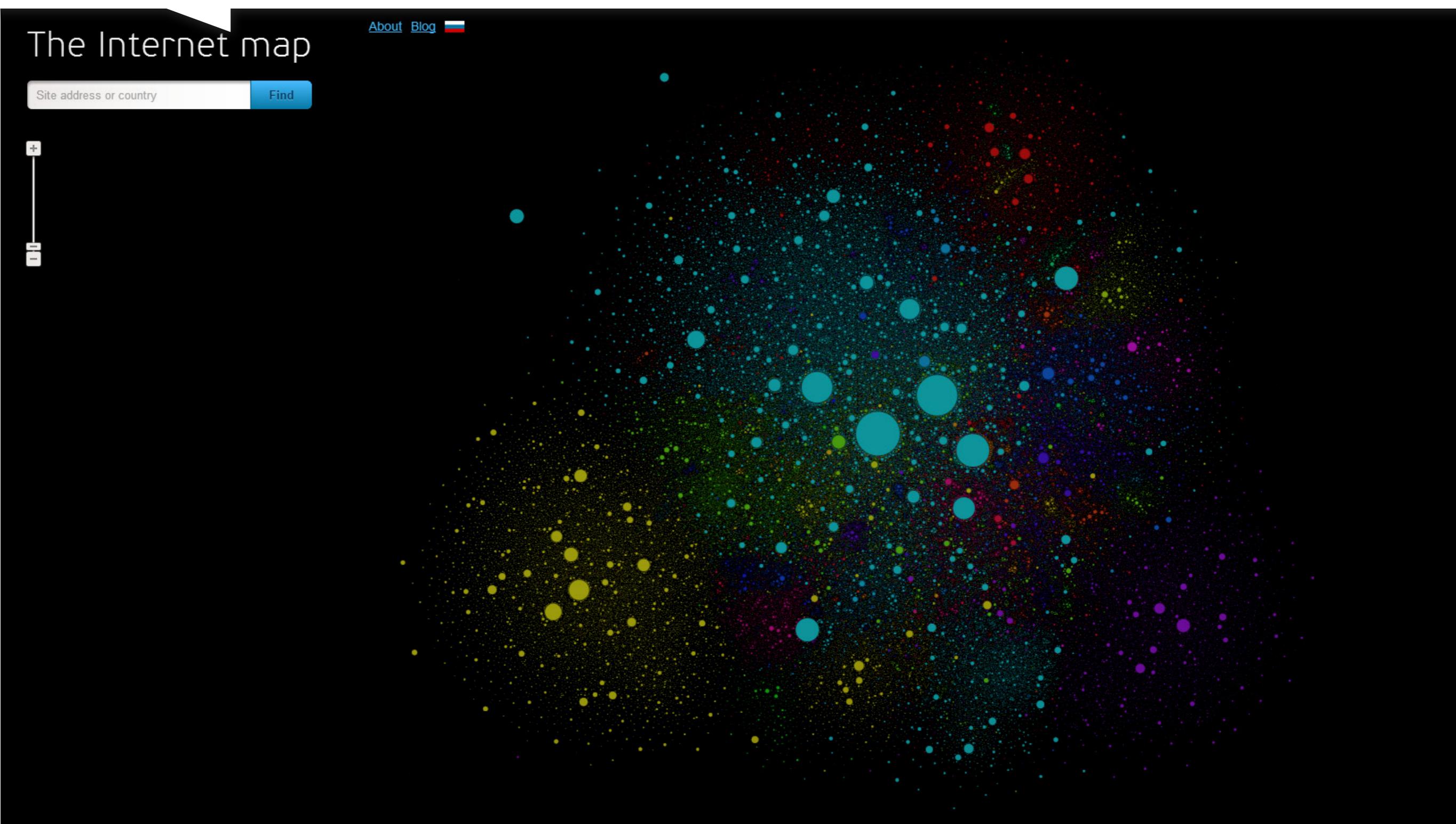
Linkscape US  
by Linkfluence

Three spheres  
of the blogosphere:



# The shape of the web

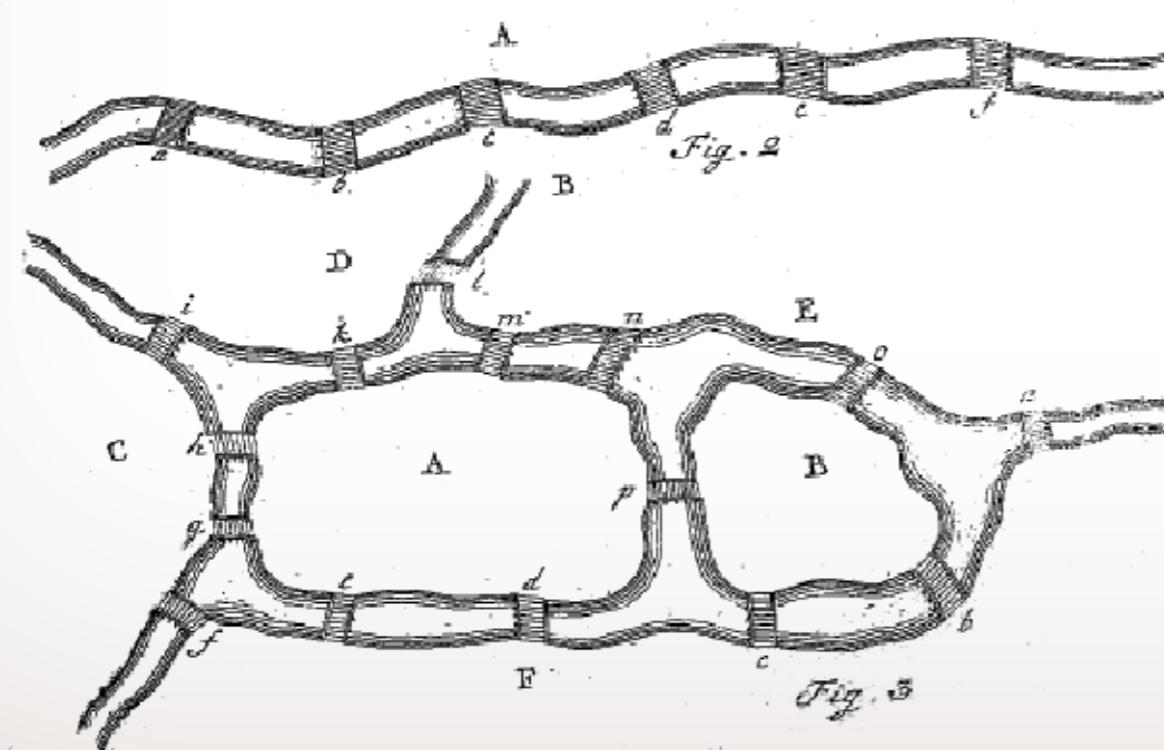
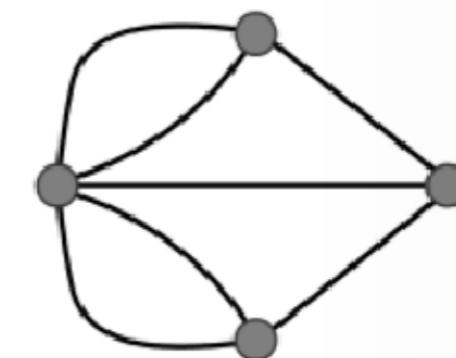
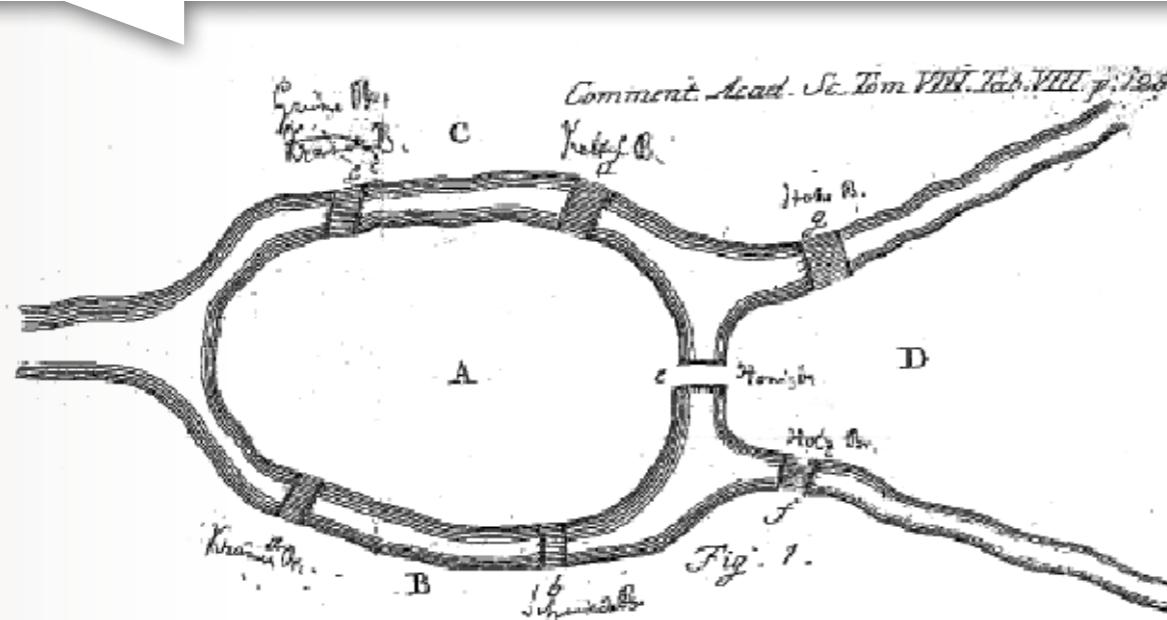
<http://internet-map.net>



### 3. The web as a network: Computing

# Networks as graphs

Euler, *Solutio problematis ad geometriam situs pertinentis*,  
1736

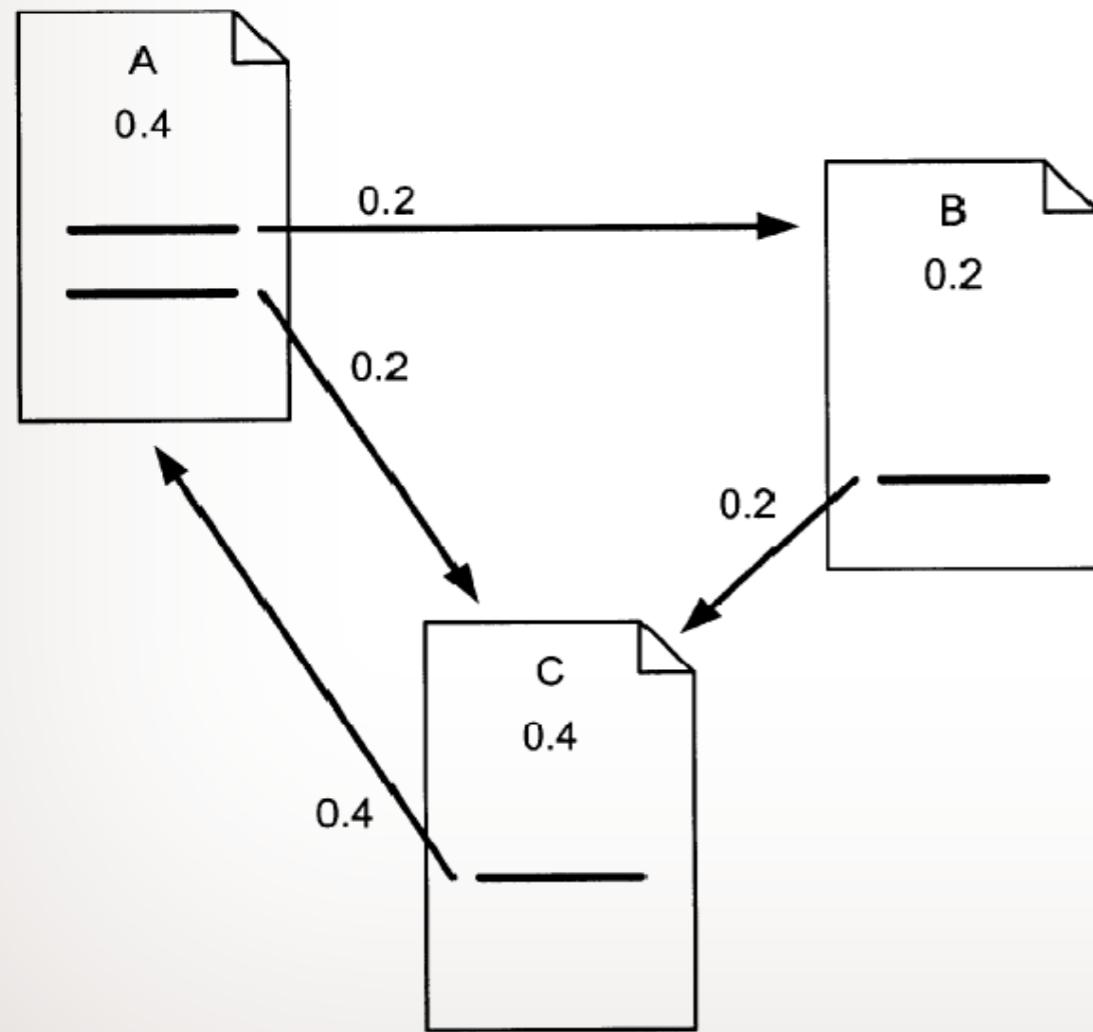


	15
$A^* - 8$	4
$B^* - 4$	2
$C^* - 4$	2
$D - 3$	2
$E - 5$	3
$F^* - 6$	3
	<hr/> 16

# Networks as graphs

Lawrence Page  
Pagerank Patent (6285999)

More precisely, the rank of a page A is defined according to the present invention as



$$r(A) = \frac{\alpha}{N} + (1 - \alpha) \left( \frac{r(B_1)}{|B_1|} + \dots + \frac{r(B_n)}{|B_n|} \right),$$

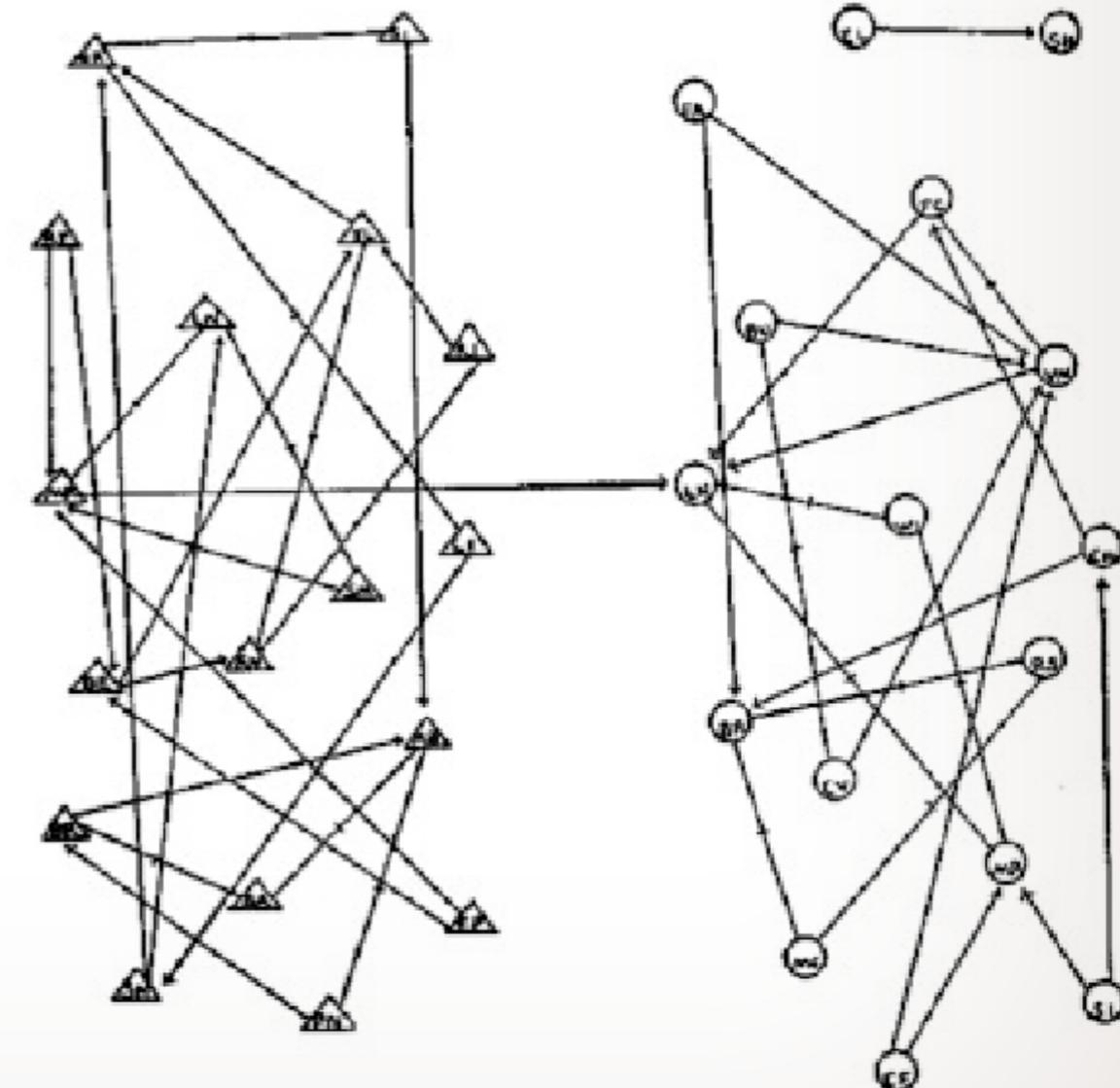
# 4. The web as a network: Mapping

# Networks as maps

Jacob L. Moreno,  
The New York Times,  
April 3, 1933

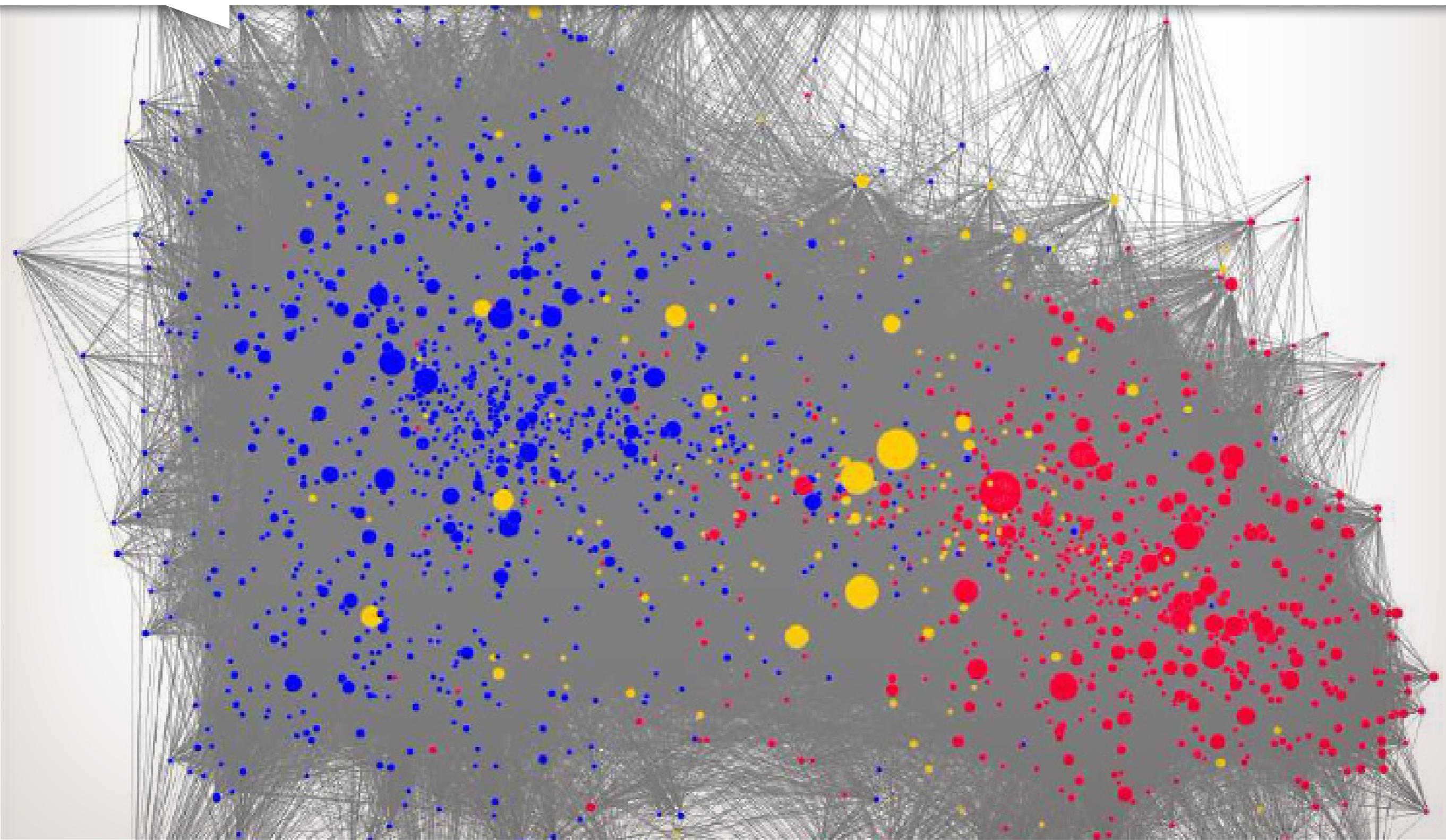
## EMOTIONS MAPPED BY NEW GEOGRAPHY

Charts Seek to Portray the  
Psychological Currents of  
Human Relationships.



# Networks as maps

*US political blogs  
Linkfluence  
2007*



# Networks as maps

London Underground  
1920 Map



# Networks as maps

London Underground  
1933 Map  
(Harry Beck)



## 5. The e-Diasporas Atlas

<http://e-diasporas.fr>

# The e-Diasporas Atlas project

TIC-Migrations program (ICT and migrations)  
Fondation Maison des Sciences de l'Homme  
Télécom ParisTech

Coordinated by [Dana Diminescu](#)

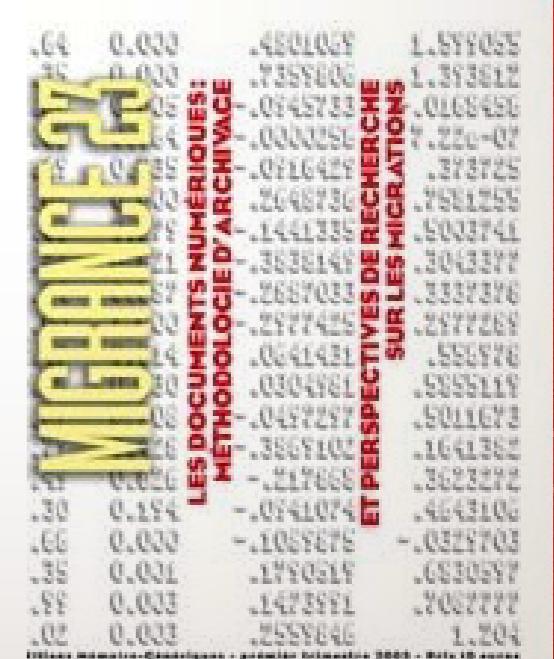
Funded by the ANR (Agence Nationale de la Recherche)

With the participation of Migrinter, Exalead, INA

# The e-Diasporas Atlas project

2003: Dana Diminescu founds TIC-Migrations  
« The connected Migrant »

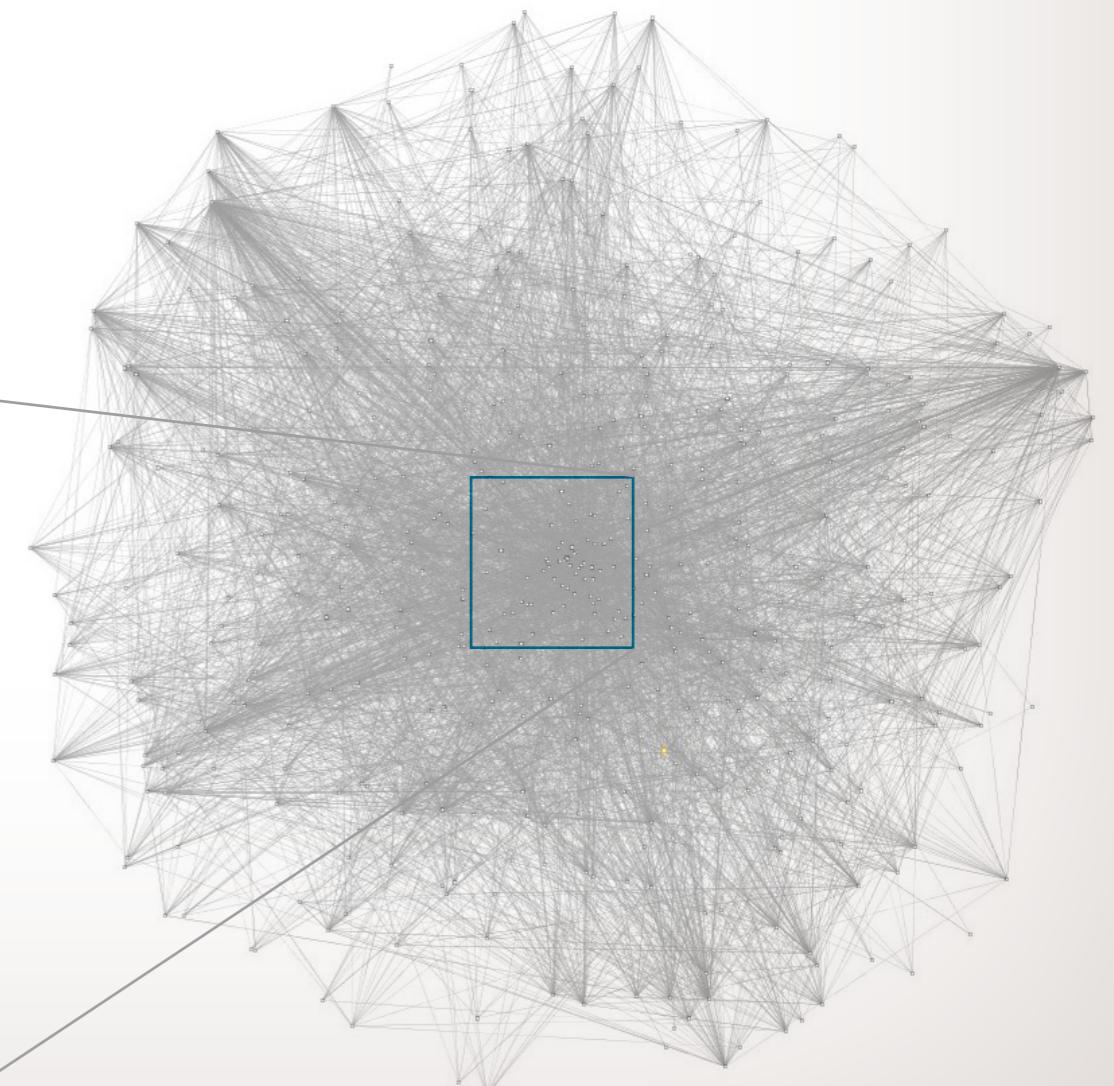
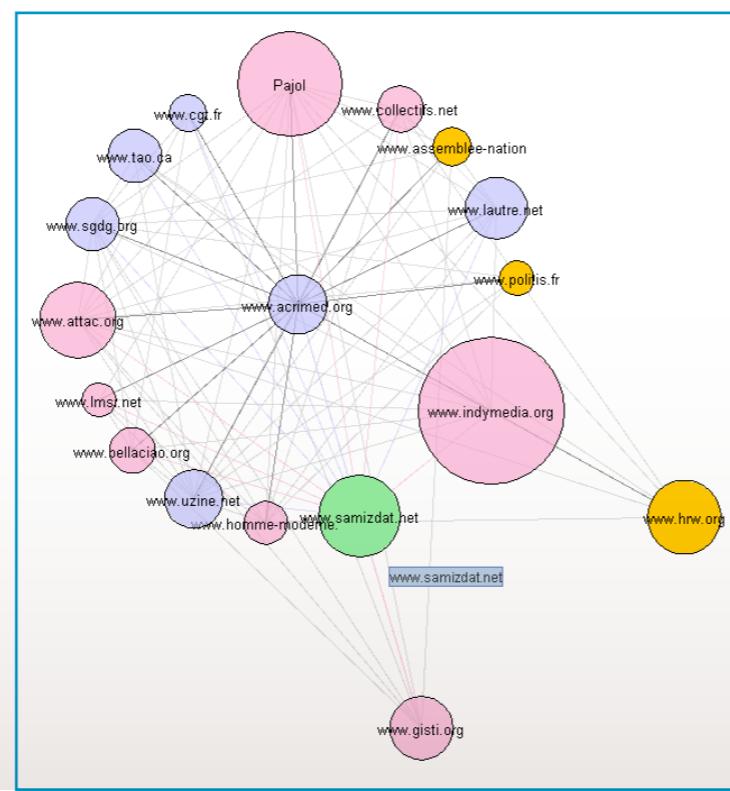
2005: Special issue of Migrance  
« Les documents numériques: Méthodologie d'archivage et perspectives de recherche sur les migrations »



# The e-Diasporas Atlas project

Creating a **digital memory of migrants**

First map:  
The «sans papiers» of  
the Pajol street



# The e-Diasporas Atlas project

The need for **our own tools**

2008: The e-Diasporas Atlas is funded for 3 years by the Agence Nationale de la Recherche (CONTINT)

# The e-Diasporas Atlas project

2012: the project is achieved

5 tools dedicated to digital methods in humanities

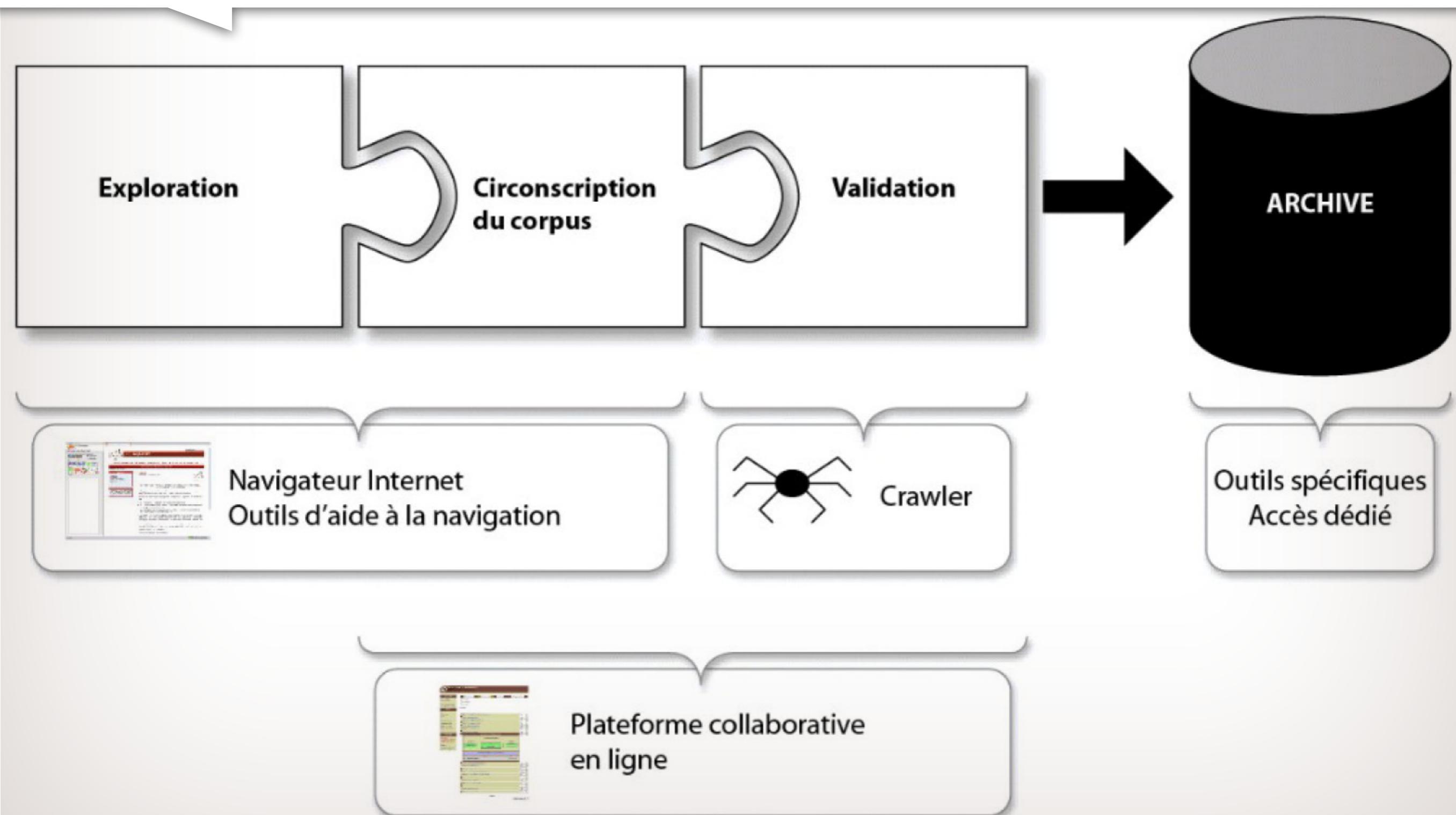
30 case studies

80+ researchers, exceptional international participation

Augmented publication

International conference in may 2012

# Methodology



# Methodology

The Navicrawler

Yabiladi.com - Le Maroc à portée de clic... Mozilla Firefox

Fichier Édition Affichage Historique Marque-pages Outils ?

http://www.yabiladi.com/ Google Gmail Google Maps WordReference Deezer CA Amazon AlloCiné Reverso Sudoc TLFi Synonymes

Flem URL Diaporama Ajouter Supprimer Prec. Suiv. !

WebAtlas.fr - Navicrawler

webAtlas Navicrawler

Nav Crawl File (+)

Page : http://www.yabiladi.com/ Déjà visitée la page Oui 155 0 Page Non-Repérée Repérer Page

Site : http://www.yabiladi.com Pages 17 Pages Visitées Réperées 0 Sites Référents 1 =>X Cités X=> 36 Site visité (OK) Refuser

Session : Sites Incorporés 4 Prochains 53 Ecartés 0

Tableau : Sites prochains dans la session

- http://www.xiti.com
- http://googleads.g.doubleclick.net
- https://www.google.com
- https://www.atinternet-solutions.com
- http://twitter.com/AT\_Internet
- http://twitter.com/AT\_Surveys
- http://en.atinternet.com
- http://de.atinternet.com
- http://video.google.com
- http://maps.google.com
- http://news.google.com
- http://mail.google.com
- http://books.google.com
- http://translate.google.com
- http://scholar.google.com
- http://blogsearch.google.com
- http://www.youtube.com
- http://picaseweb.google.com
- http://docs.google.com
- http://sites.google.com
- http://groups.google.com
- http://www.google.fr
- http://www.habous.gov.ma
- http://www.lecfcm.fr
- http://www.facebook.com
- http://twitter.com/home?status=L%2680%99A%C3%AFd%20al-Adha%20c...
- http://reddit.com
- http://delicious.com

'clic' = aller à ; 'ctrl+clic' = aller à dans un nouvel onglet ; 'maj+clic' = mettre le site en frontière

Trier

Yabiladi.com - Le Maroc à portée de clic...

Navigation avancée Connexion S'inscrire Pseudo / Email OK Memoriser Mot de passe oublié ?

Zapping Infos Société » IDH : 16 places de mieux mais le Maroc toujours insatisfait

PUBLICITE Jet4you.com

MAGAZINE COMMUNAUTÉ MULTIMÉDIA Photos du Maroc | Radio | Yabiladi TV | Programme TV SERVICES VOYAGES

**Focus**

L'Aïd al-Adha célébré le 17 novembre au Maroc Il y a 4 heures L'Aïd al-Adha ou l'Aïd el-Kebir communément appelé « fête du sacrifice » sera célébrée la semaine prochaine par les musulmans du monde entier. Les Marocains la fêteront le 17 novembre, un jour après la France et de nombreux pays ...Suite

L'Aïd al-Adha célébré le 17 novembre au Maroc IDH : 16 places de mieux mais le Maroc toujours insatisfait Tourisme : Tanger dans le Top 10 des villes à visiter en

**Actualités**

Said Taghmaoui, ambassadeur d'une marque de café au Maroc Il y a 5 heures Après avoir participé en 2005 à une campagne de prévention des accidents de la route au Maroc, Said Taghmaoui âgé de 37ans est désormais ...Suite

CULTURE

Championnats étrangers : Youssef El Arabi meilleur buteur de Ligue 1, Taarabt et Queens Park intouchables Il y a 9 heures En ce nouveau week-end de championnat, 7 marocains ont trouvé le chemin des filets. Parmi eux, l'inévitable Youssef El Arabi qui a rejoint

**Radio de marque** Lancement produit, brand content, innovez sur votre propre média www.moustic.fr

**85€ Vols A/R Maroc** Billets d'Avion à Saisir ! Les Sites Préférés des Internautes Search.Excite.fr/Vols-vers-Maroc

**Talend: ETL Open Source** Solution d'intégration de données open source, tout type de données download.Talend.com/Open-Studio

ANNONCES Google Horaires de prières

TELECONTACT Pages jaunes du Maroc

Avion pas cher pour le Maroc

Agenda

11/11/2010 - 12/11/2010

# Methodology

## Classification of the Hmongs corpus

www.hmongtoday.com	aid	monthly	hmong today	site	information	english	usa	minnesota,saint pa	yes	yes	laos
www.hmongstudies.org	association	monthly	hmong studies inter	site	culture,research	english	usa	minnesota,saint pa	yes	yes	laos,south east
www.hmongradio.tv	association	monthly	houaphan	site	culture	hmong/english	usa	minnesota,saint pa	yes	no	laos
www.uhasie.org	association	monthly	urgence humanitaire	site	humanitarian	french	france	clichy la garennes	yes	yes	laos,thailand,hy
www.hmongacademy.org	institution	monthly	hmong college prep	site	education	english	usa	minnesota,saint pa	yes	no	laos
www.hmongarchives.org	association	monthly	hmong arhives	site	culture	english	usa	minnesota,saint pa	yes	yes	laos,vietnam,cy
www.hmongdictionary.com	individual	monthly	hmong dictionary	site	culture	hmong/english	usa	wisconsin,sheboyg	yes	yes	laos,vientiane,r
www.hndinc.org	association	monthly	hmong national deve	site	social,education	english	usa	virginia,arlington	yes	no	laos
http://lennon.csufresno.edu/	association	monthly	hmong american co	site	social,edudaction	english	usa	california,fresno	yes	yes	south east asi
http://csumc.wisc.edu/cmct	association	monthly	hmong cultural tour	site	culture,education	english	usa	wisconsin,madison	yes	yes	laos,thailand,vr
www.hmongminnesotaradio	media	monthly	hmong minnesota r	site	culture	hmong/english	usa	minnesota,saint pa	yes	no	laos
www.hmongamer.org	association	monthly	hmong american fri	site	social,education	english	usa	wisconsin,milwauke	yes	yes	south east asi
www.csp.edu/hmongcenter	institution	monthly	center for hmong st	site	education	english	usa	minnesota,saint pa	yes	yes	south east asi
www.aboutchat.org	association	monthly	center for hmong art	site	culture	english	usa	minnesota,saint pa	yes	no	laos
www.hmongwisconsinradio	media	monthly	hmong wisconsin ra	site	information,cultur	english	usa	wisconsin,appleton	yes	no	laos
hmong.forumactif.com	community	monthly	aidons le peuple hm	newsgroup	humanitarian	french	france	irigny,paris,caen,ca	yes	yes	laos
www.sacramentohmongnew	company	monthly	sacramento hmong	site	culture	english	usa	california,sacramen	yes	no	laos
www.hamaa.org	association	monthly	hmong american mu	site	social,education,	english	usa	minnesota,minneap	yes	yes	laos,vietnam
www.hmongnewyear.us	association	monthly	hmong international	site	culture,education	english	usa	california,fresno	yes	yes	china,tibet,a
www.thehmongradio.com	media	monthly	the hmong radio	site	information,cultur	hmong/english	usa	california,fresno	yes	yes	laos,france,thay
www.hmongrpa.org	association	monthly	the hmong rpa found	site	religion	hmong/english	usa	wisconsin,sheboyg	yes	yes	china,south east
www.hmongwomenheritage	association	monthly	hmong women's her	site	social,culture,edu	english	usa	california,sacramen	yes	no	laos
www.hmongchamber.com	association	monthly	minnesota hmong c	site	business	english	usa	minnesota,saint pa	yes	no	laos
www.hmongitv.com	company	monthly	hmong international	site	culture,business	hmong/english	usa	california,sacramen	yes	yes	laos,vientiane,y
www.wpt.org/hmong	others	monthly	being hmong means	site	culture	english	usa	wisconsin,madison	yes	yes	laos,vietnam,tly
www.forums.hmoob.com	community	weekly	hmoob.com your vir	newsgroup	culture,others	english	usa	california	yes	yes	china,laos,viet y
www.hmonghealth.org	association	monthly	hmong health websi	site	social,health	hmong/english	usa	wisconsin,wausau	yes	no	laos
www.shrdo.com	media	weekly	suabhmong	site	information	english	usa	wisconsin,milwauke	yes	yes	laos,thailand,cy
www.hmongcc.org	association	monthly	hmong cultural cent	site	social	english	usa	minnesota,saint pa	yes	no	laos
www.hmongtimes.com	media	weekly	hmong times	site	information	english	usa	minnesota,saint pa	yes	yes	laos,thailand,hy
www.hmongabc.com	company	monthly	hmong abc radio	site	culture	english	usa	minnesota,saint pa	yes	yes	laos
http://www.hmonglibrary.org	association	monthly	hmong ressource ce	site	culture	english	usa	minnesota,saint pa	yes	yes	asia,china,laos

# Methodology

The Linkfluence crawler  
Ouïghour section

**Edition d'un corpus**

Ouïghours 230910      session 1/2

type: map  
création: 2010-09-23 18:18:13 by mrenault  
status: pending  
crawl:

**Viz**

- Visualisation d'un corpus
- Télécharger la carte
- Statistiques sémantiques

**EDIT**

- Editer le corpus
- Editer la seed
- Editer les pinpoints
- Editer la blacklist
- Editer les frontières
- Edition des catégories
- Edition des descripteurs
- Gestion des groupes cartos
- Présentation de la carte
- Définition sémantique
- Edition des exclusions

**TOOLS**

- Outils PUNCH
- Moniteur de crawls
- Cocoon
- Outils carto
- Import

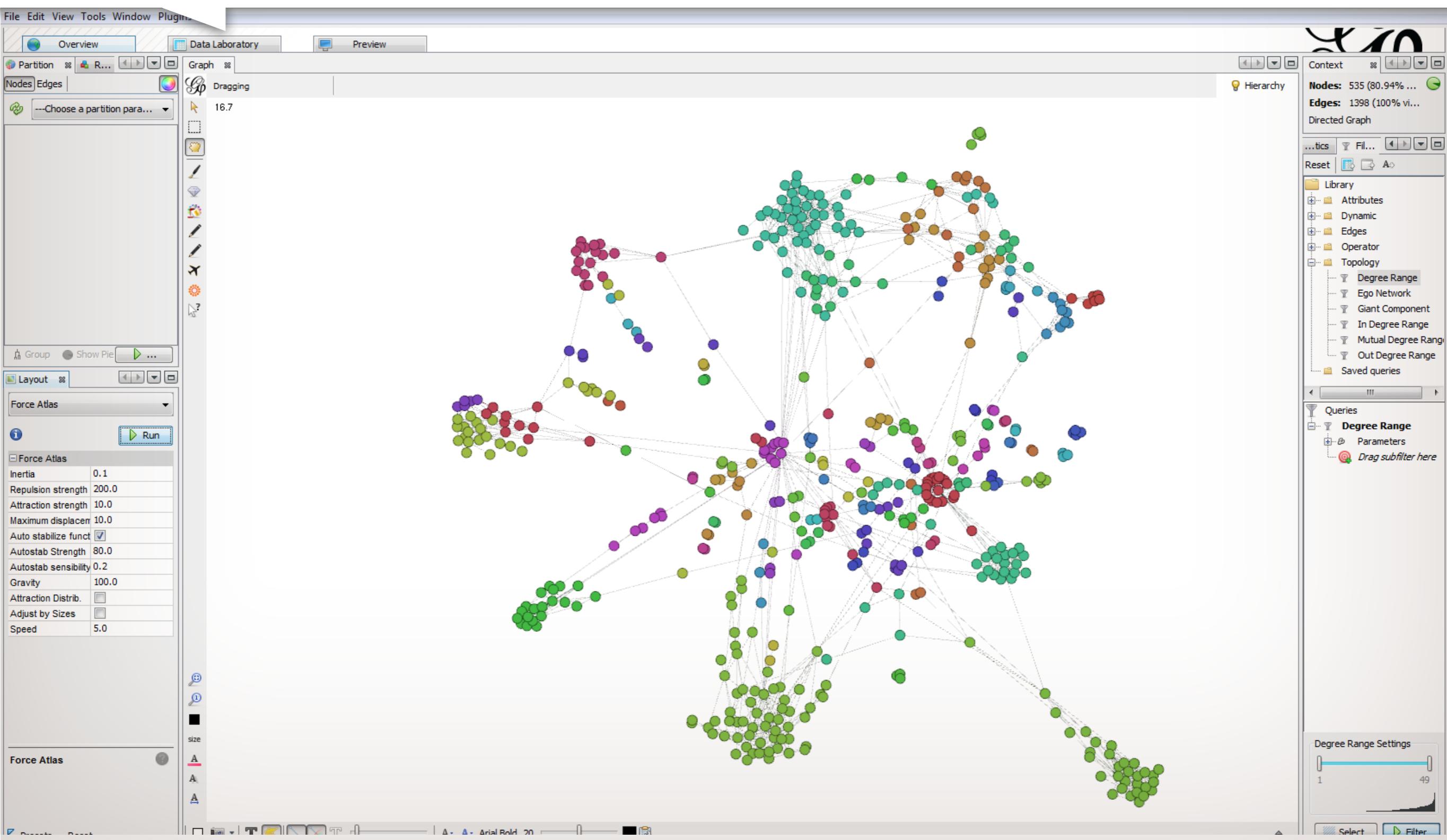
211779 lignes

chercher aide colonnes exporter Lignes : 100 1 2 18

id	website	seed_in_deg	seed_out_deg	if	desc_1
72	http://izdax.cn/	0	176	23	87 93.4392648742
658	http://yahxi.com/	1	143	16	77 83.3004682213
458	http://yolyar.com/	1	74	15	72 81.5180188362
1259	http://ulunix.com/	1	132	20	64 89.5132536011
1421	http://torlar.com/	1	56	12	63 75.4131286614
7464	http://qarqan.com/	1	14	1	61 20.3795047090
10007	http://zohlan.com/	1	33	2	60 32.3007507471
1162	http://uzdiyar.blogbus.com/	1	19	6	57 57.2125028540
462	http://ulinix.cn/	1	420	60	55 120.865489499
341	http://ulnix.com/	1	102	16	53 83.3004682213
1445	http://duldu.cc/	1	30	3	50 40.7590094181
4049	http://ulinish.org/	1	26	4	50 47.3197445438
7411	http://torimiz.com/	1	3	2	50 32.3007507471
461	http://ulinix.com/	1	456	55	49 118.351016981
1485	http://ulinish.net/	1	40	7	48 61.1385141271
2515	http://20450.com/	1	18	3	48 40.7590094181
3606	http://baylik.com/	1	17	2	48 32.3007507471
1267	http://uzulinix.com/	1	36	4	47 47.3197445438
1433	http://uyulinix.com/	1	47	9	46 67.6992492528
1128	http://ariyan.blogbus.com/	1	9	2	44 32.3007507471
4790	http://xapxup.com/	1	31	4	42 47.3197445438
7404	http://xjhalk.com/	1	24	4	41 47.3197445438
208	http://seburi.com/	0	128	18	40 86.5706587639
204	http://koznak.blogbus.com/	0	147	22	39 92.1879521851
1264	http://tanhaburkut.blogbus.com/	1	75	16	39 83.3004682213
1831	http://kitabim.cn/	1	15	2	39 32.3007507471
1273	http://ulinish.cc/	1	83	10	38 70.5015029626
244	http://wetinim.org/	0	14	5	37 52.6802554561
3934	http://musilin.blogbus.com/	1	8	3	37 40.7590094181
1266	http://ulanmilar.com/	1	98	13	35 77.5920075631
9948	http://xj327.com/	1	29	1	33 20.3795047090
1102	http://viquana0998.blogbus.com/	1	10	1	32 20.3795047090

# Methodology

Gephi



# Demonstration

The e-Diasporas printed atlas

The website: <http://e-diasporas.fr>

The platform: <http://maps.e-diasporas.fr>

Thanks for your attention !

*Mathieu.Jacomy@gmail.com*