



Visual and exploratory network analysis with Gephi and other tools : Social sciences examples from médialab

Benjamin Ooghe

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Visual and exploratory network analysis with Gephi and other tools

Social sciences examples from médialab

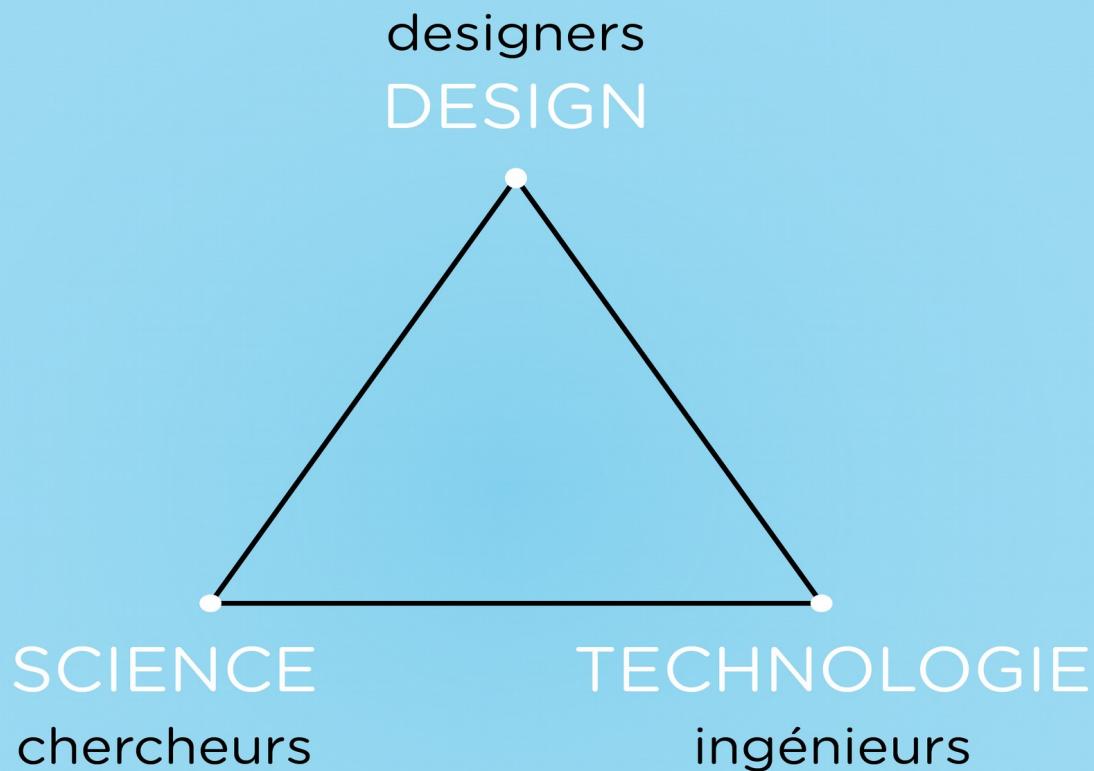
ISC-PIF – Paris, 5 juin 2013

Benjamin Ooghe-Tabanou, Sciences Po, médialab, Paris, France

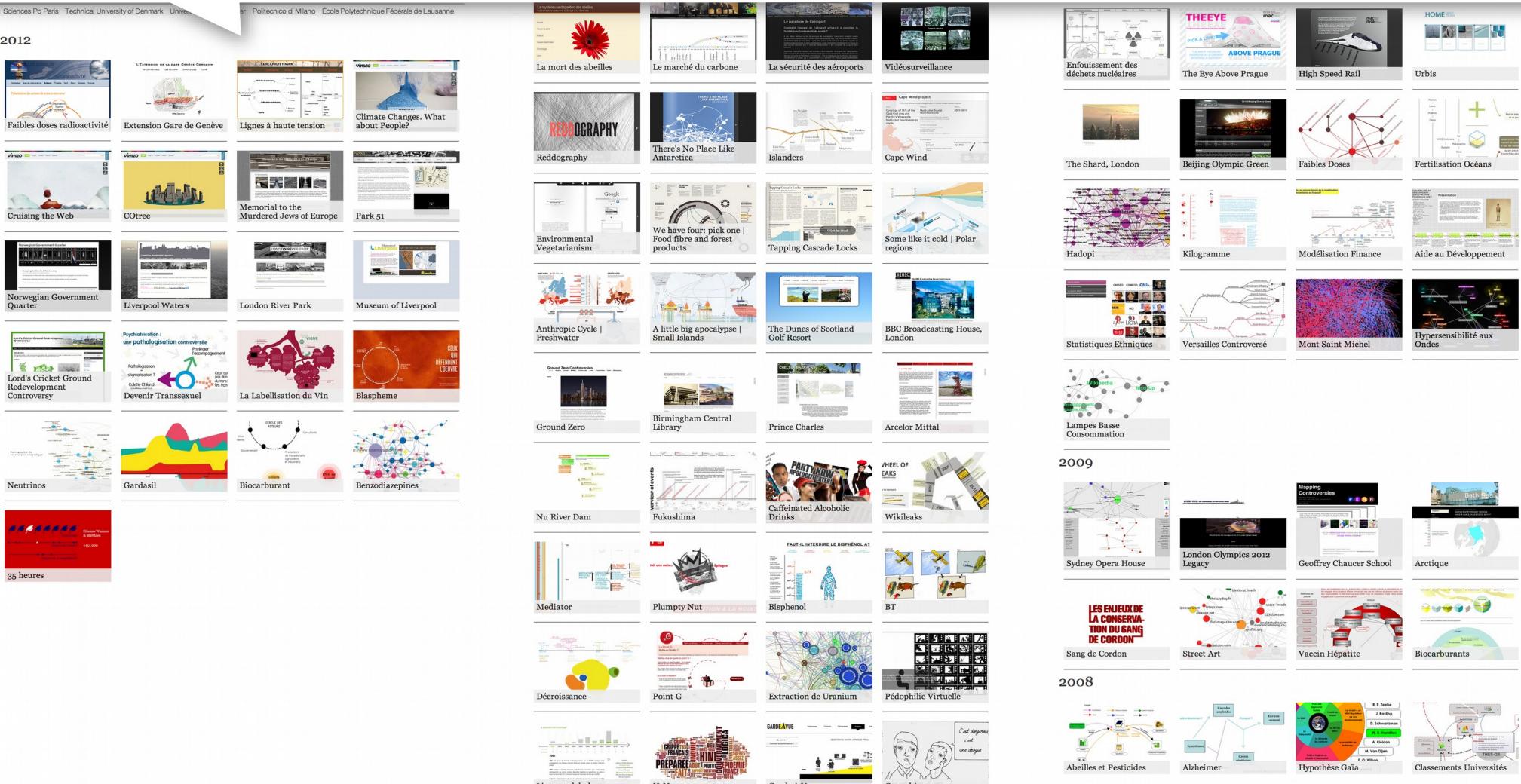
médialab – un lieu



médialab – une équipe



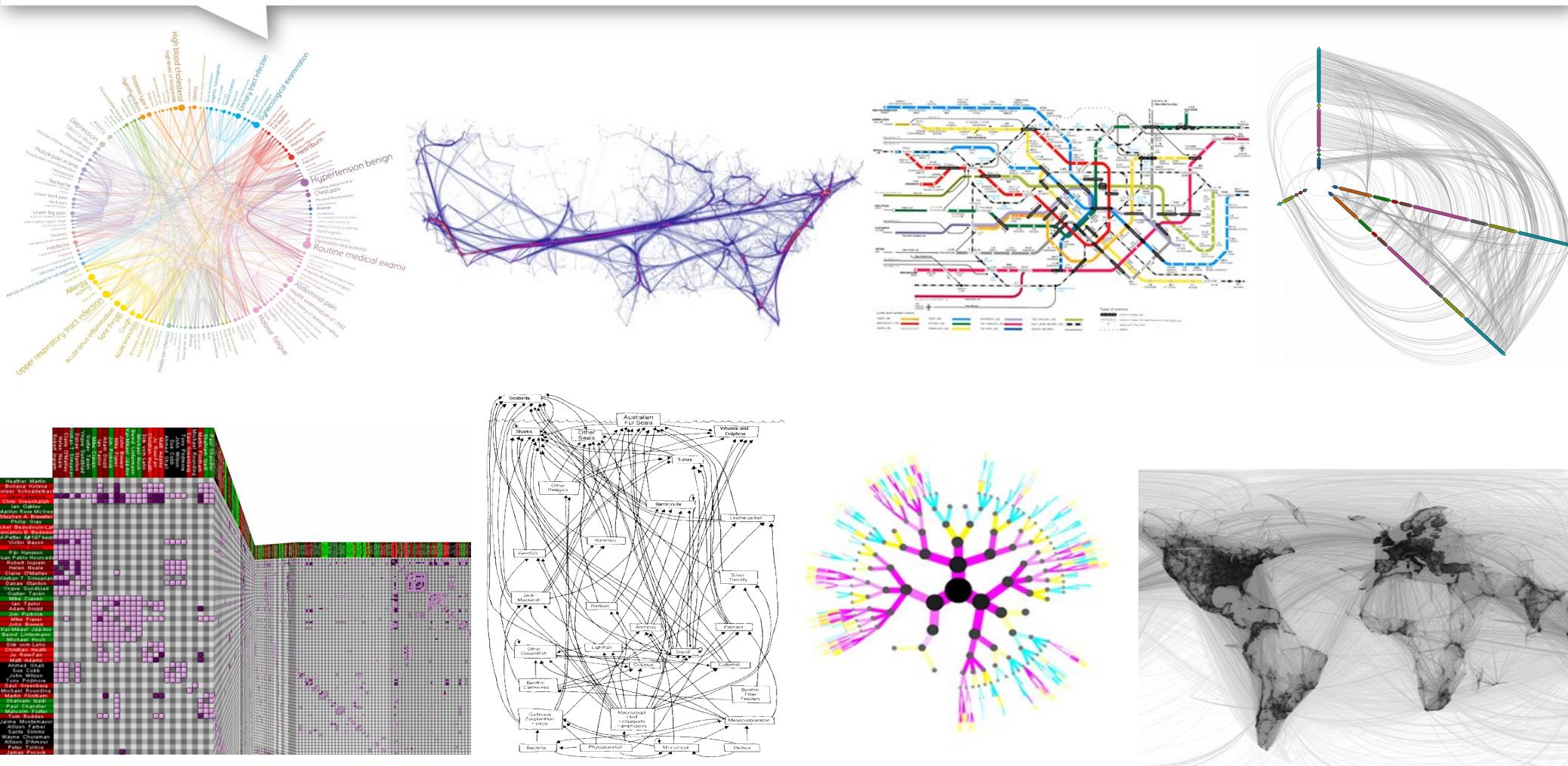
Cartographie des controverses



Quali/Quanti - Théorie acteurs-réseaux



Visualiser des liens, mais comment ?



Des réseaux-graphes...

Paul Baran, 1960

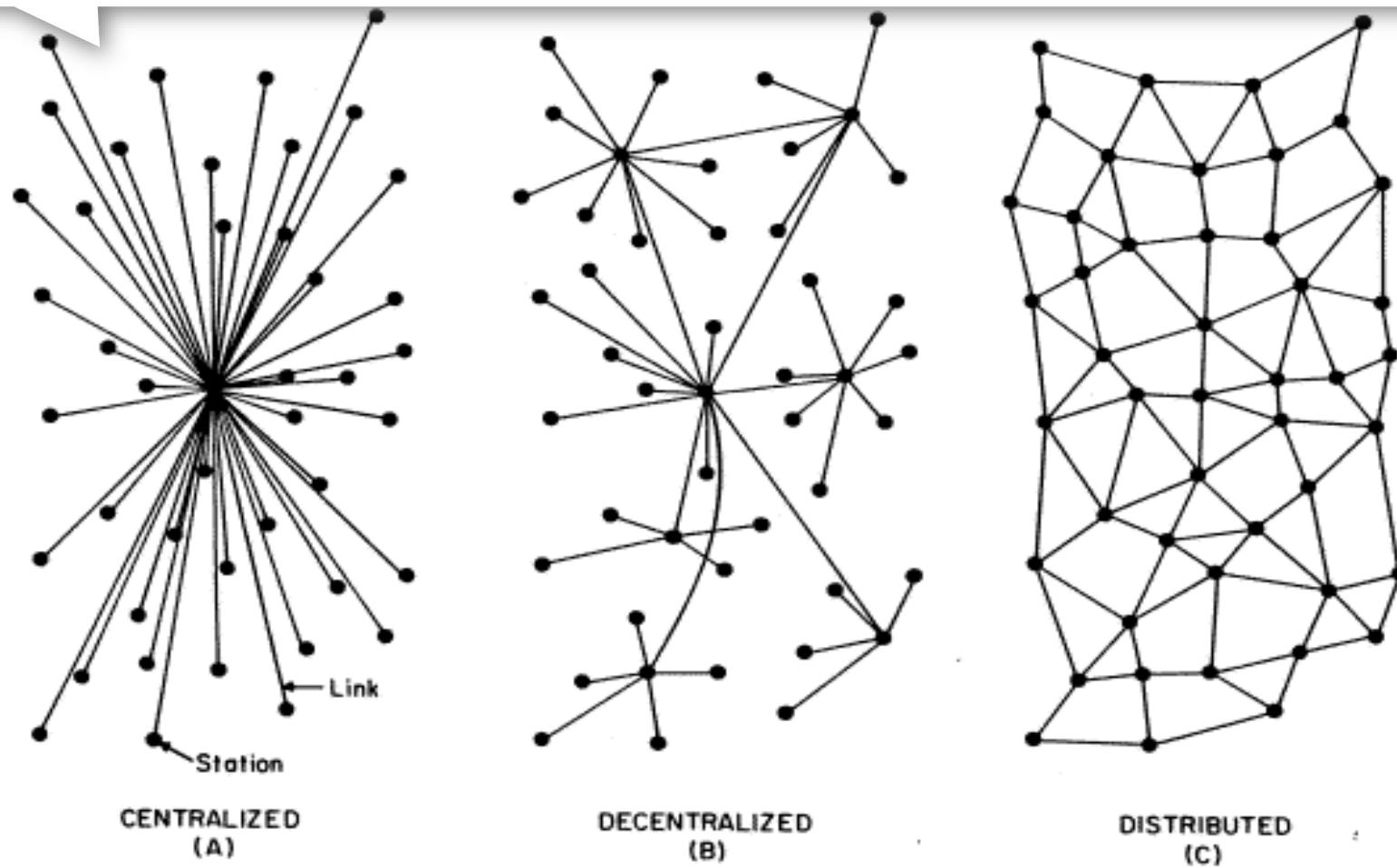


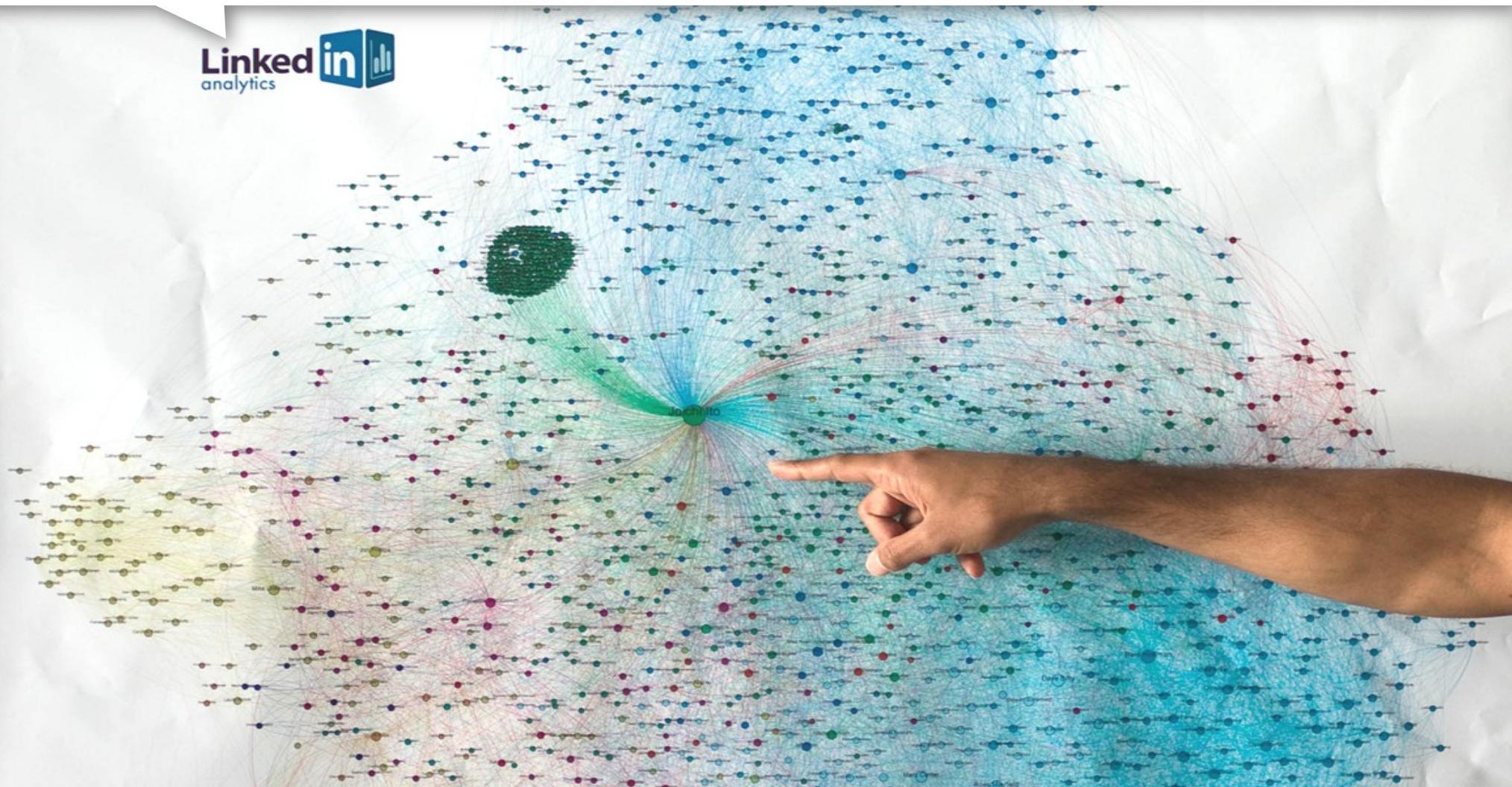
FIG. I — Centralized, Decentralized and Distributed Networks

...aux réseaux-cartes

London Underground
1933 Map (Harry Beck)



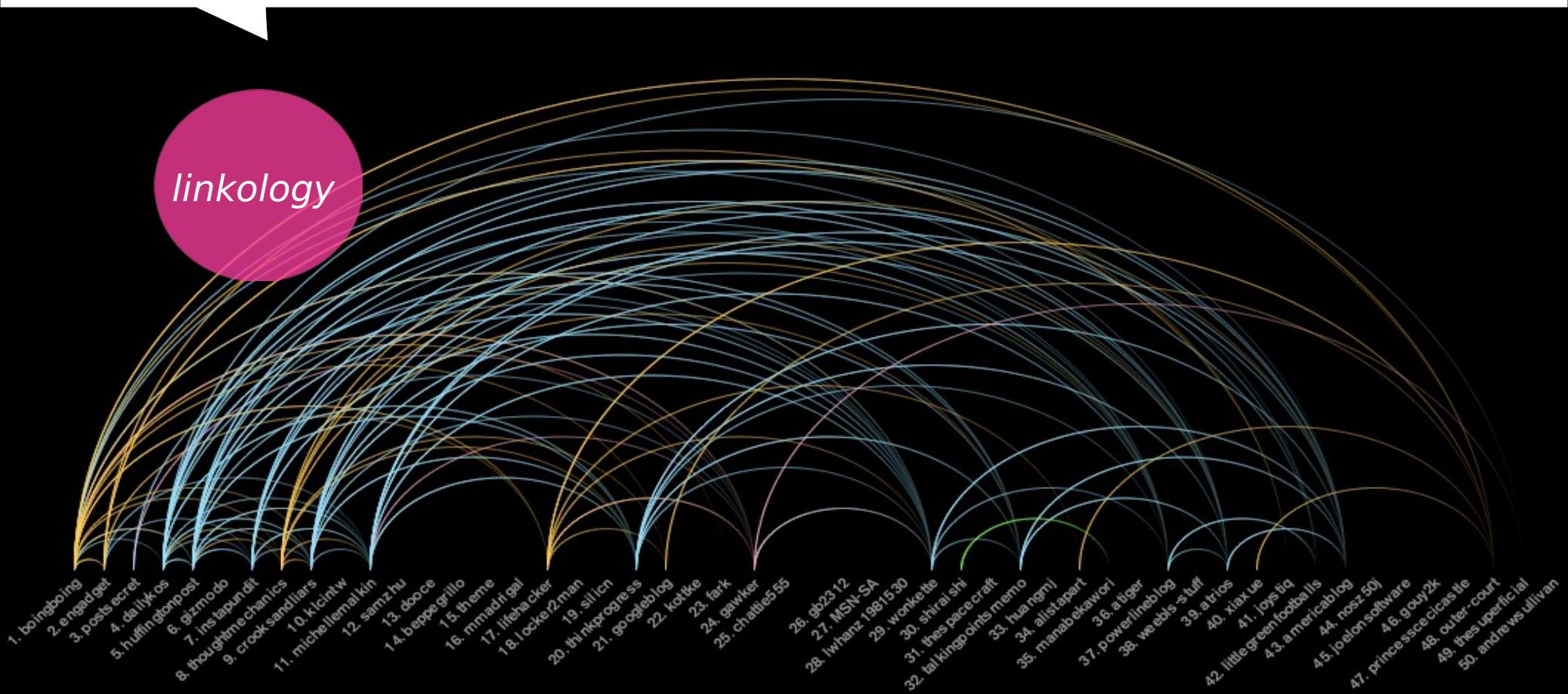
Les réseaux : outils de navigation



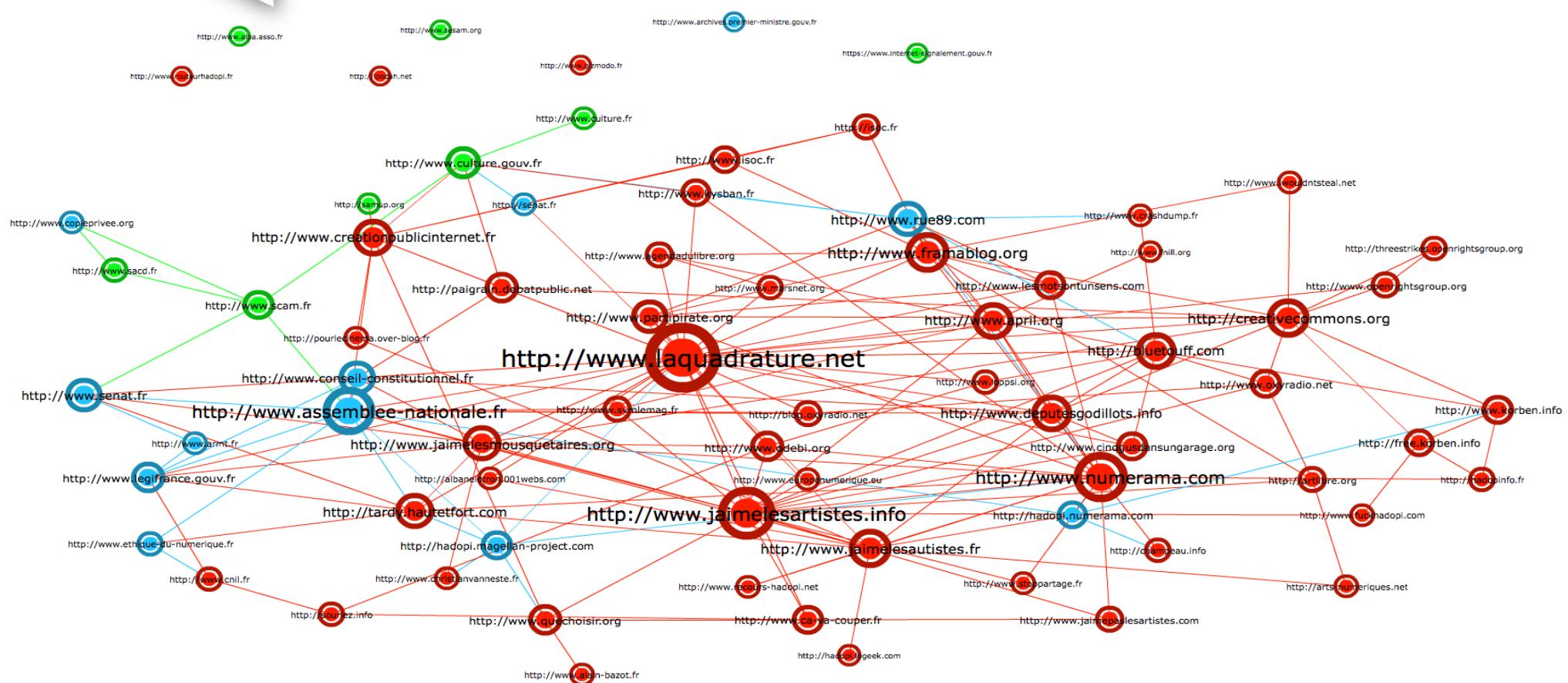
Cartographier le web...

*Top 50 US blogs
Ben Fry, 2006*

<http://nymag.com/news/media/15972/>

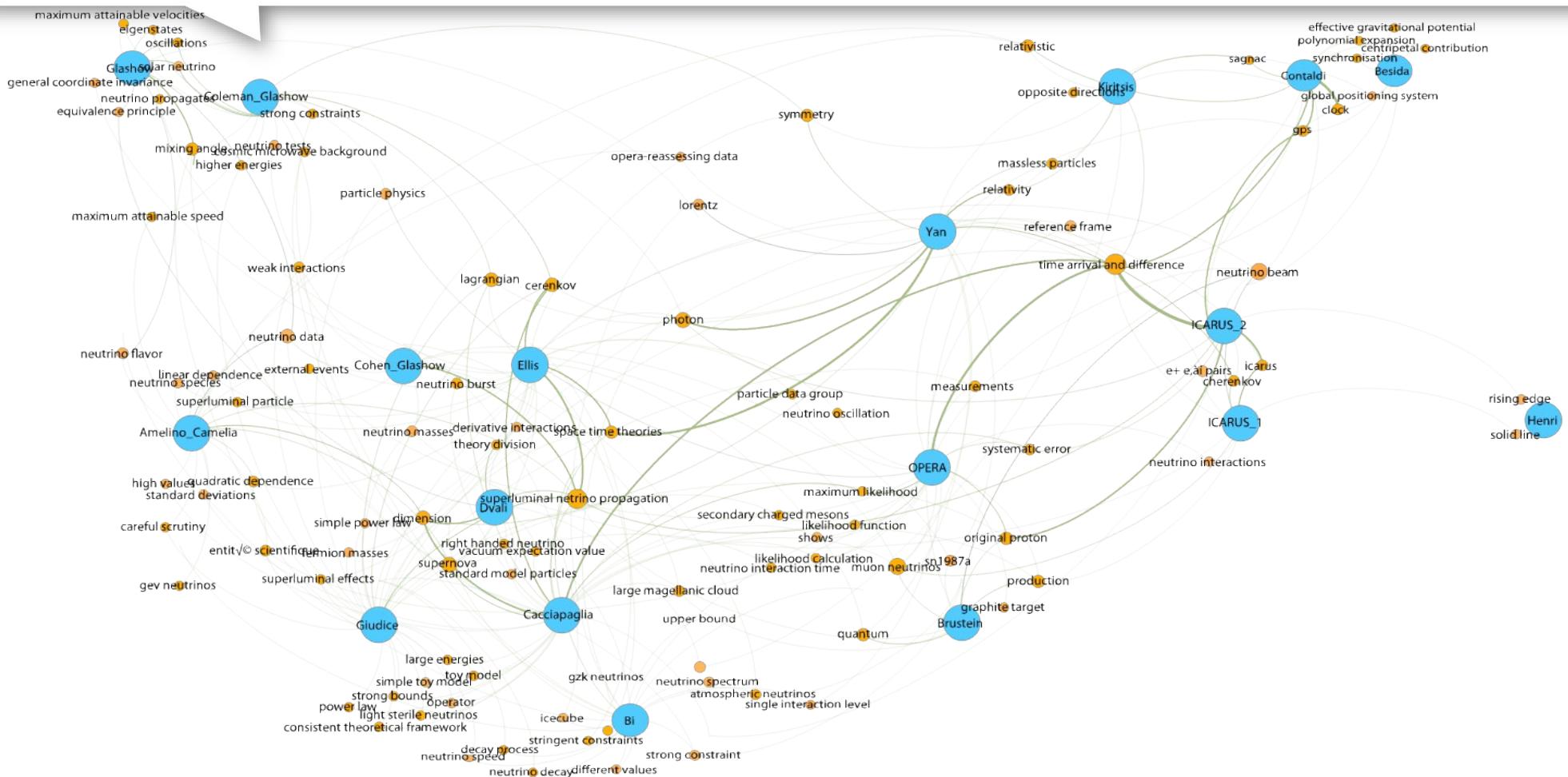


...avec des graphes de liens

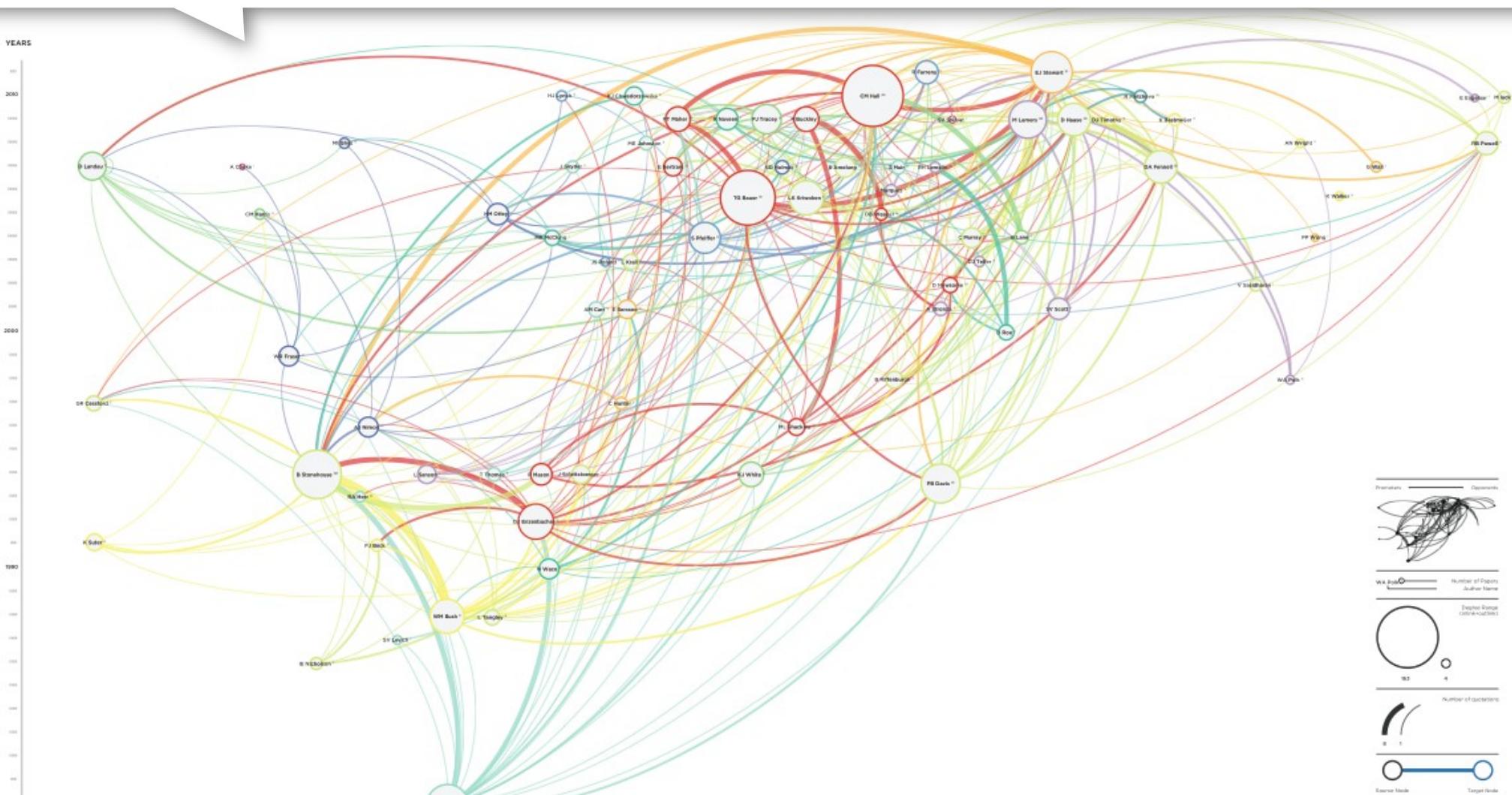


[http://www.mediaLab.sciences-po.fr/controversies/2010/Hadopi2/index.php?
cat=ondaweb&subcat=carto](http://www.mediaLab.sciences-po.fr/controversies/2010/Hadopi2/index.php?cat=ondaweb&subcat=carto)

Réseaux de co-occurrence de texte

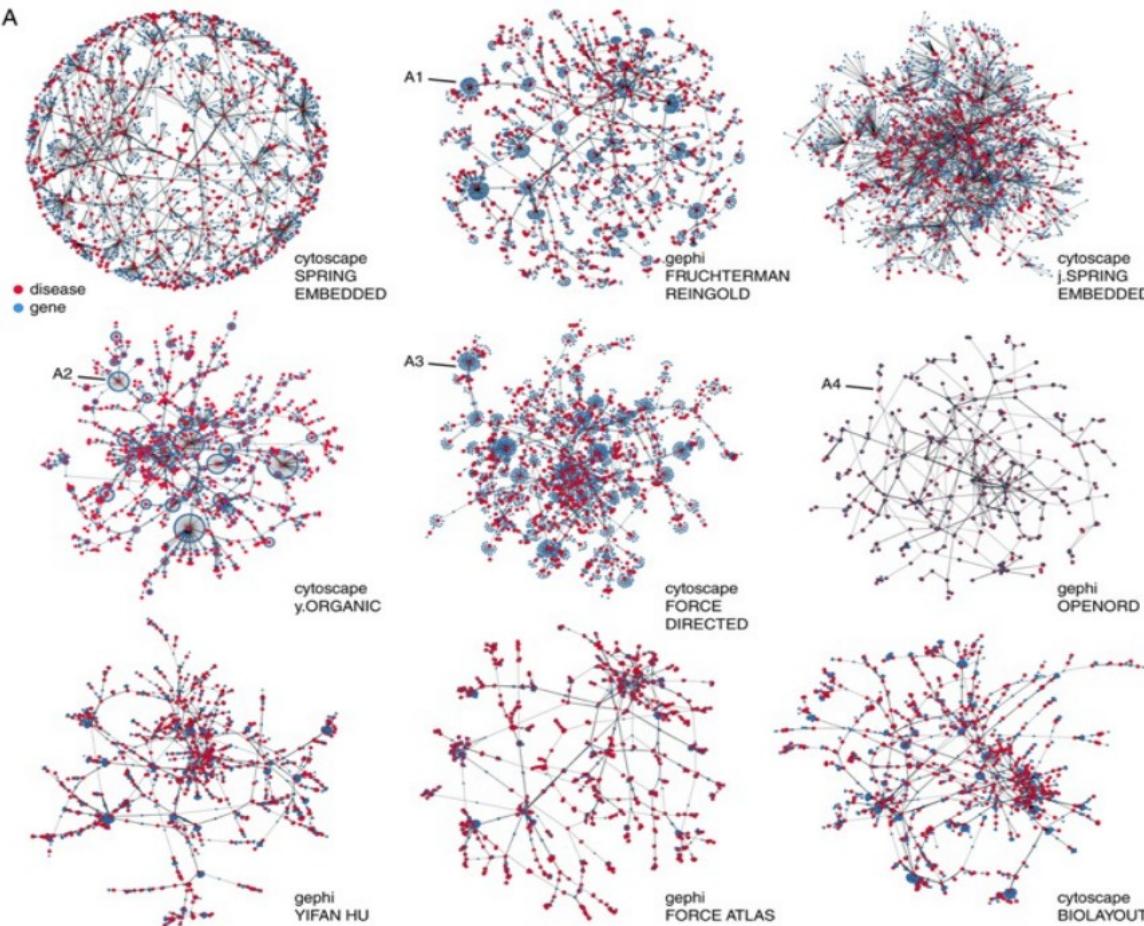


Scientométrie



Quel type de spatialisation

Tukey, J. W. (1977)
Exploratory Data Analysis

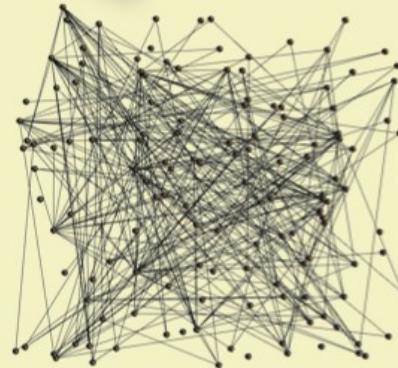


Algorithmes Force-vecteur

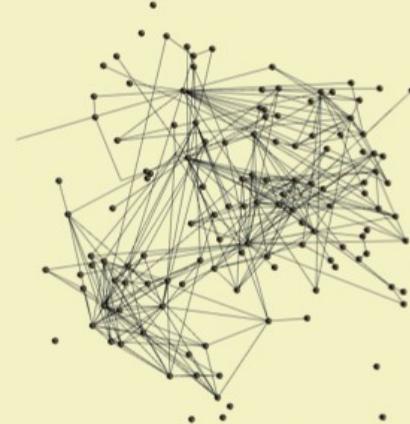


Algorithmes Force-vecteur

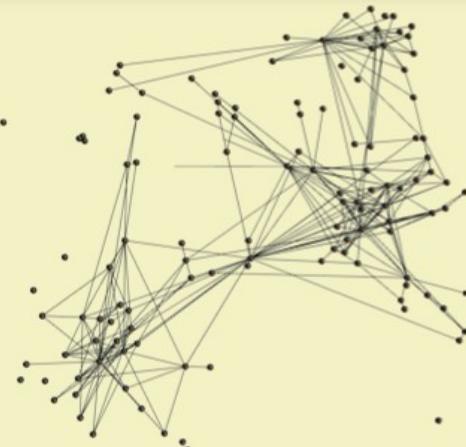
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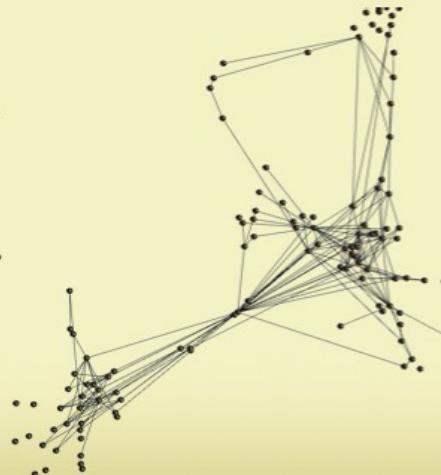
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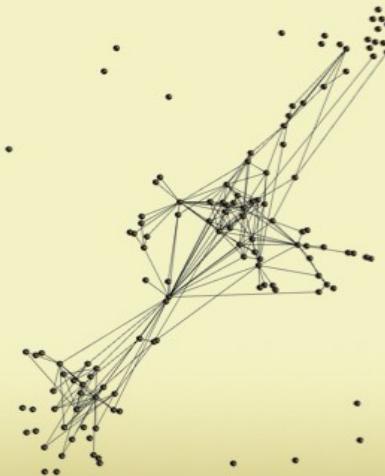
3



4



5



6



Analyse de réseaux

