mapping controversies on climate change adaptation

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médialab Sciences-Po Paris

Controversy Mapping

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- Introduced by Bruno Latour some 20 years ago, to train students in the investigation of sociotechnical debates
- Currently taught in Paris, Copenhagen, Milan, Manchester, Amsterdam, Liège, Padova, Trento, Buenos Aires…
- Developed by 4 collaborative projects
  - MACOSPOL (mapping controversies on science for politics) 2007-09
  - MEDEA (mapping environmental debates on adaptation) 2011-14
  - EMAPS (electronic maps to assist public science) 2011-14
  - FORCCAST (formation à la cartographie des controverses pour l'analyse de sciences et des techniques) 2012-20

- Venturini, T. (2010). Diving in magma: how to explore controversies with actor-network theory. Public Understanding of Science, 19(3), 258–273.
- Venturini, T. (2012). Building on faults: how to represent controversies with digital methods. Public Understanding of Science, 21(7), 796 – 812.

EMAPS

http://www.emapsproject.com/blog/

EMAPS

Electronic Maps to Assist Public Science

About Objectives Partners Resources

Where we are, where we are going

The London workshop will not start until next Wednesday, but I already want to express great satisfaction for process that led to this event. In a handful of months, we identified a number research questions, we collected and analysed the data necessary to provide some answers, we visualised the results of the analysis and we [...]

University of Amsterdam new strategy for the second year of the project

February 22nd, 2013

This blog post is a response to Axel's post asking each partner to rethink their work according to the new strategy discussed in the project meeting back in December. It details the work that the University of Amsterdam will be conducting in this second year of the project.

Over a period of 16 weeks, which started in the first week of February, the University of Amsterdam will be running the Issue Mapping for Politics course. The course takes students through four different mapping methodologies and theories: controversy mapping in the style of Bruno Latour and Tomasso Venturini, risk cartography using

search

Type and hit enter...

Visitors

- Ageing
- climate change
- Events
- highlight
- Methods

Public Links

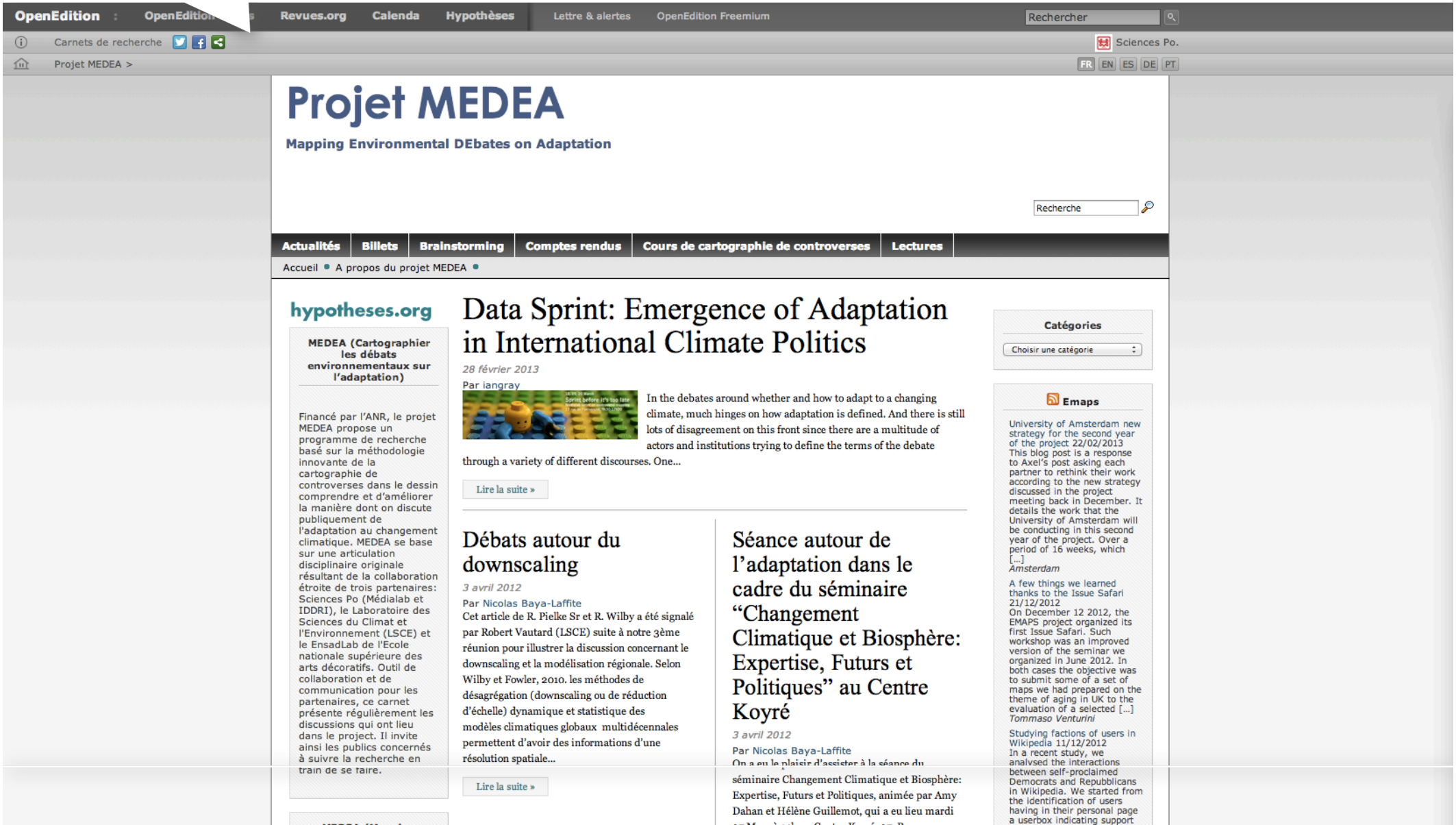
- Controversy Mapping archives
- Digital Methods Initiative
- Macospol
- Project MEDEA

Members

- 0. Mapping test
- 1. Issues Selection
- 2. Discoursing Harvest
- 3. Discourses Analysis
- 4. Platform Development

MEDEA

http://projetmedea.hypotheses.org/



And now what?

UNFCC COP15
Copenhagen (2009)

Research questions

1. Which is the genealogy and evolution of the adaptation approach? What does the encounter with climate change do to the concept of adaptation?
2. What does the focus on adaptation do to debates on climate change?
3. How adaptation has been seen as opposed/complementary to mitigation?
4. Which arguments were used, and by whom, to bring adaptation to the fore? Which arguments have been abandoned or retained? How did arguments transformed over time to gain support?
5. How is the adaptation challenge being framed in developed and developing countries? Which are the political effects of the multiple framings? Who is driving them in each context?
6. How has this “Adaptation turn” affect the role and influence of different research communities in the networks of knowledge production?

EMAPS & MEDEA:
The research objectives

To deploy the complexity of adaptation debate

+

And make it legible for the concerned publics

Analyze and render the viewpoints, the alliances and the arguments

+

of all actors involved in the climate adaptation debate

The contradiction of controversy mapping

Observe controversies in all their richness + Provide the public with a readable description

Be as subtle and precise as qualitative method + Investigate phenomena as global as quantitative methods

A experimental solution

developing an atlas
of online controversy maps

Observe controversies
in all their richness

+

Provide the public with
a readable description

Be as subtle and precise
as qualitative method

+

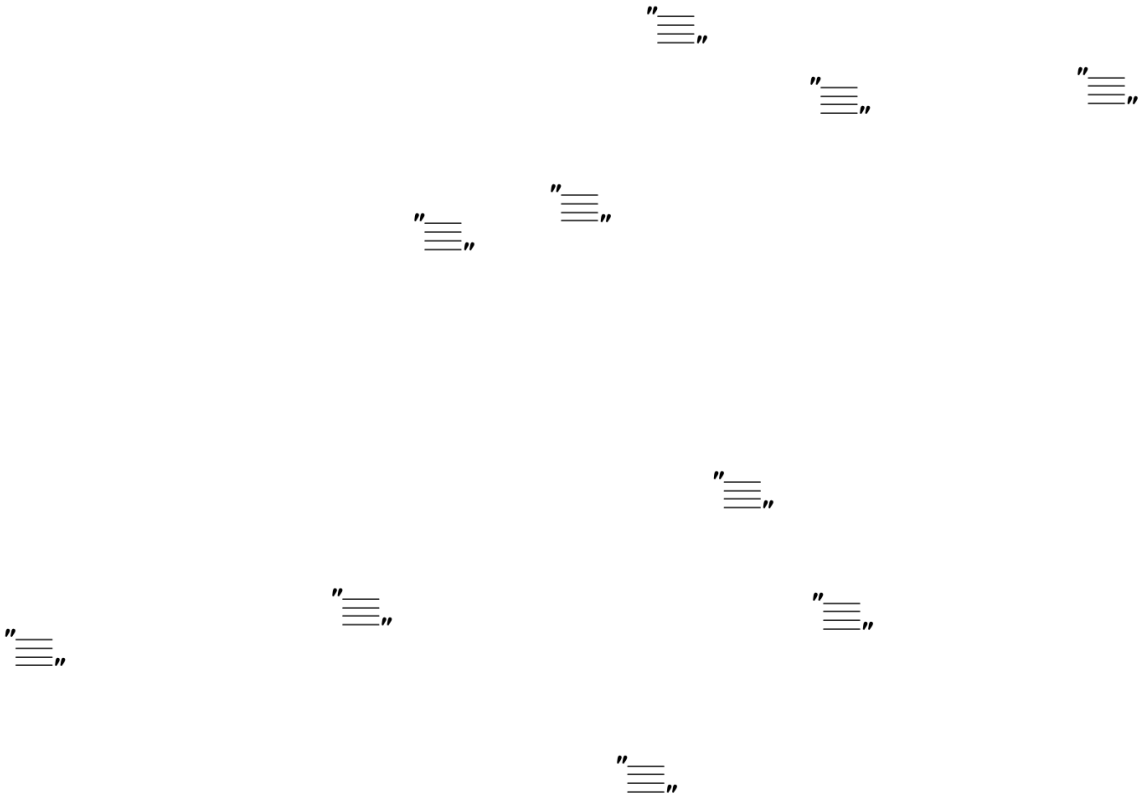
Investigate phenomena as
global as quantitative
methods

drawing on the growing
availability of digital traces

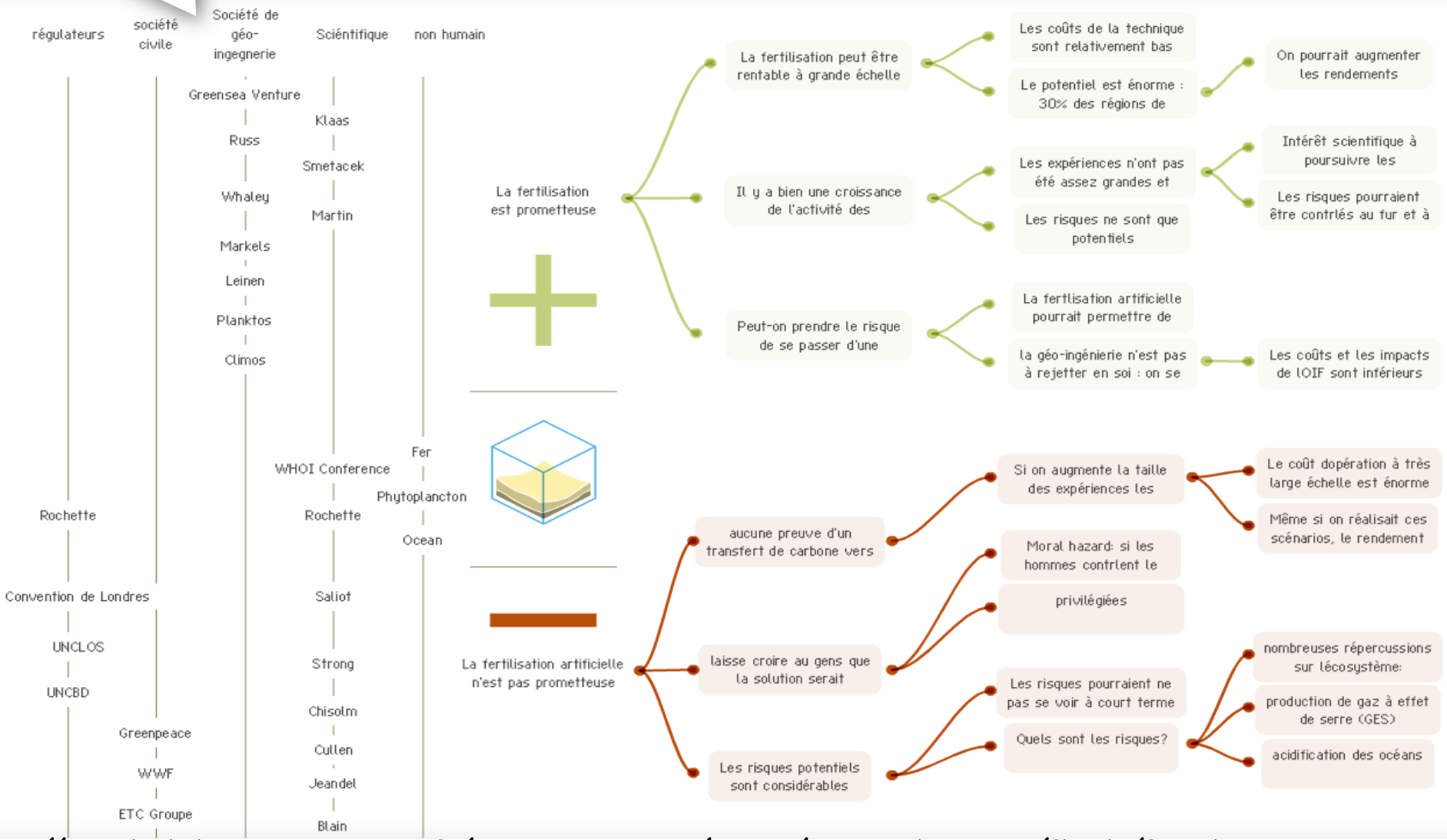
The controversy atlas

1. WHAT are the issues? - From statements to debates
   A. Tree of disagreement
2. WHO is debating them? - From debates to actors
   B. Actors/arguments table
3. HOW are actors connected? - From actors to networks
   C. Actors-networks diagram
4. WHERE do the debates occur? - From networks to cosmoses
   D. Debate scale
5. WHEN do they develop? - From cosmoses to cosmopolitics
   E. Debate dynamics

1. From statements to debates (what)



A. Tree of disagreement



http://medialab.sciences-po.fr/controversies/2010/Copenhague1/flash/fertilisation_ocean.swf

Earth Negotiations Bulletin (ENB)

http://www.iisd.ca/vol12/

Earth Negotiations Bulletin
COP 18 FINAL
A Reporting Service for Environment and Development Negotiations
Online at http://www.iisd.ca/climate/cop18/enb/
Vol. 12 No. 567 Published by the International Institute for Sustainable Development (IISD) Tuesday, 11 December 2012

SUMMARY OF THE DOHA CLIMATE CHANGE CONFERENCE: 26 NOVEMBER – 8 DECEMBER 2012

The United Nations Climate Change Conference in Doha, Qatar, took place from 26 November to 8 December 2012. It included the eighteenth session of the Conference of the Parties (COP 18) to the United Nations Framework Convention on Climate Change (UNFCCC) and the eighth session of the Conference of the Parties serving as the Meeting of the Parties to the Kyoto Protocol (CMP 8). The conference also included meetings by five subsidiary bodies: the thirty-seventh sessions of the Subsidiary Body for Scientific and Technological Advice (SBSTA 37) and the Subsidiary Body for Implementation (SBI 37), the second part of the seventeenth session of the *Ad hoc* Working Group on Further Commitments for Annex I Parties under the Kyoto Protocol (AWG-KP 17), the second part of the fifteenth session of the *Ad hoc* Working Group on Long-term Cooperative Action under the UNFCCC (AWG-LCA 15) and the second part of the *Ad hoc* Working Group on the Durban Platform for Enhanced Action (ADP 1).

Marking the first time that UN climate change negotiations took place in the Middle East, the conference drew approximately 9,000 participants, including 4,356 government officials, 3,956 representatives of UN bodies and agencies, intergovernmental organizations and civil society organizations, and 683 members of the media.

Negotiations in Doha focused on ensuring the implementation of agreements reached at previous conferences. The package of "Doha Climate Gateway" decisions adopted on the evening of Saturday, 8 December, included amendments to the Kyoto Protocol to establish its second commitment period. Having been launched at CMP 1 in 2005, the AWG-KP terminated its work in Doha. The parties also agreed to terminate the AWG-LCA and negotiations under the Bali Action Plan. Key elements

While developing countries and observers expressed disappointment with the lack of ambition in outcomes on Annex I countries' mitigation and finance, most agreed that the conference had paved the way for a new phase, focusing on the implementation of the outcomes from negotiations under the AWG-KP and AWG-LCA, and advancing negotiations under the ADP.

A BRIEF HISTORY OF THE UNFCCC AND THE KYOTO PROTOCOL

The international political response to climate change began with the adoption of the United Nations Framework Convention on Climate Change (UNFCCC) in 1992, which sets out a framework for action aimed at stabilizing atmospheric concentrations of greenhouse gases (GHGs) to avoid "dangerous

IN THIS ISSUE

Earth Negotiations Bulletin (ENB)

http://www.iisd.ca/vol12/

- Published by the International Institute for Sustainable Development (IISD) reports on over 30 multilateral negotiations on climate change, biodiversity, and sustainable development issues, beginning from Rio 1992

- Our corpus = 600 issues of the volume 12, covering the UNFCCC process since 1995, starting with the first UNFCCC Conference of the parties in Berlin.

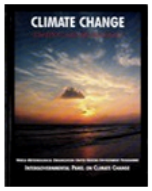
- With about 600 documents (in HTML and PDF), including daily reports and summaries of meetings

IPCC reports

http://ipcc.ch/publications_and_data/publications_and_data_reports.shtml

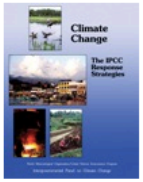
IPCC First Assessment Report 1990 (FAR)

(OUT OF PRINT) *Digitized by the Digitization and Microform Unit, UNOG Library, 2010*



Working Group I:
Scientific Assessment of Climate Change
CLICK HERE

Working Group II:
Impacts Assessment of Climate Change
CLICK HERE



Working Group III:
The IPCC Response Strategies

CLICK HERE

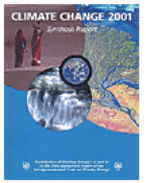
First Assessment Report
Overview Chapter (PDF)
Also in: Chinese - French - Russian - Spanish

IPCC Third Assessment Report: Climate Change 2001 (TAR)

Working Group I:
The Scientific Basis

Working Group II:
Impacts, Adaptation and Vulnerability

Working Group III:
Mitigation



Synthesis Report

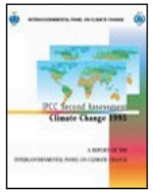
IPCC Second Assessment Report: Climate Change 1995 (SAR)

(OUT OF PRINT) *Digitized by the Digitization and Microform Unit, UNOG Library, 2010*

Working Group I:
The Science of Climate Change
Full Report (PDF)

Working Group II:
Impacts, Adaptations and Mitigation of Climate Change: Scientific-Technical Analyses
Full Report (PDF)

Working Group III:
Economic and Social Dimensions of Climate Change
Full Report (PDF)



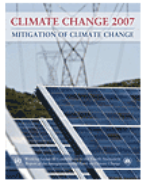
IPCC Second Assessment
Full Report (PDF)
Errata

IPCC Fourth Assessment Report: Climate Change 2007 (AR4)

IPCC **statement** on the melting of Himalayan glaciers - 20 January 2010 (PDF)

Working Group I Report
"The Physical Science Basis"

Working Group II Report
"Impacts, Adaptation and Vulnerability"



Working Group III Report
"Mitigation of Climate Change"

The AR4 Synthesis Report

IPCC reports

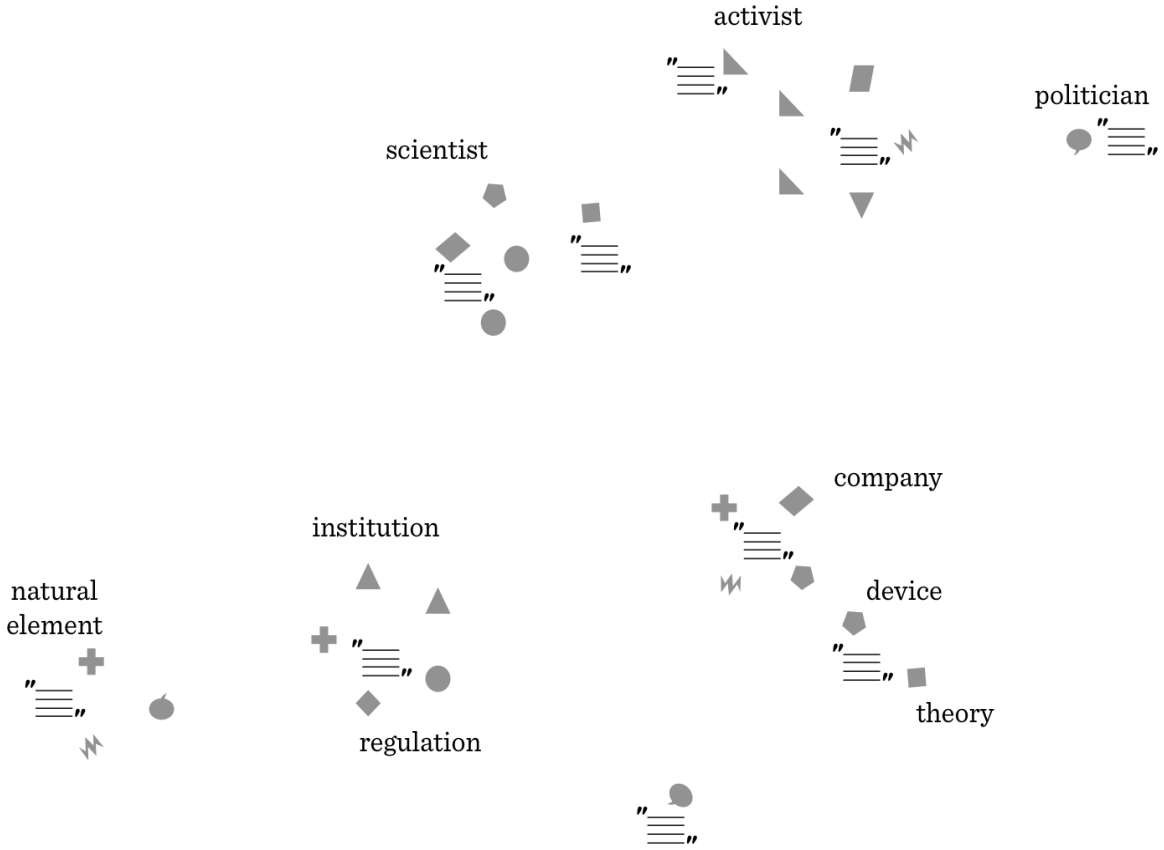
http://ipcc.ch/publications_and_data/publications_and_data_reports.shtml

- 4 multivolume assessment reports
  - 1990 First Assessment Report (FAR)
  - 1995 Second Assessment Report (FAR)
  - 2001 Third Assessment Report (TAR)
  - 2007 Fourth Assessment Report (AR4)
  - 2013/14 Fifth Assessment Report (AR5)

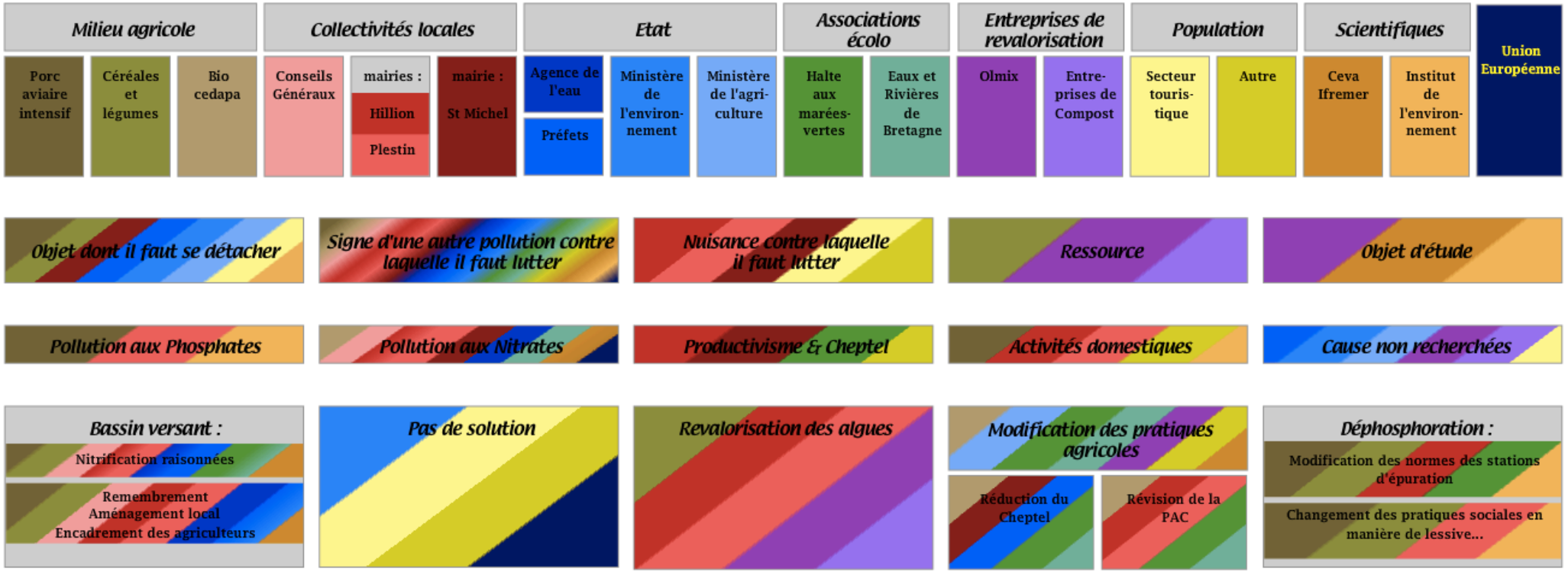
- 3 working groups
  - Working Group I (WG I): physical aspects of climate change
  - Working Group I (WG II): adaptation, impacts and vulnerability
  - Working Group III (WG III): mitigation of climate change

2. From debates to actors (who)

From statements to debates (what)
From debates to actors (who)
From actors to networks (how)
From networks to cosmoses (where)
From cosmoses to cosmopolitics (when)



B. Table of actors/arguments



http://medialab.sciences-po.fr/controversies/2007/marees_vertes/schemassi.swf

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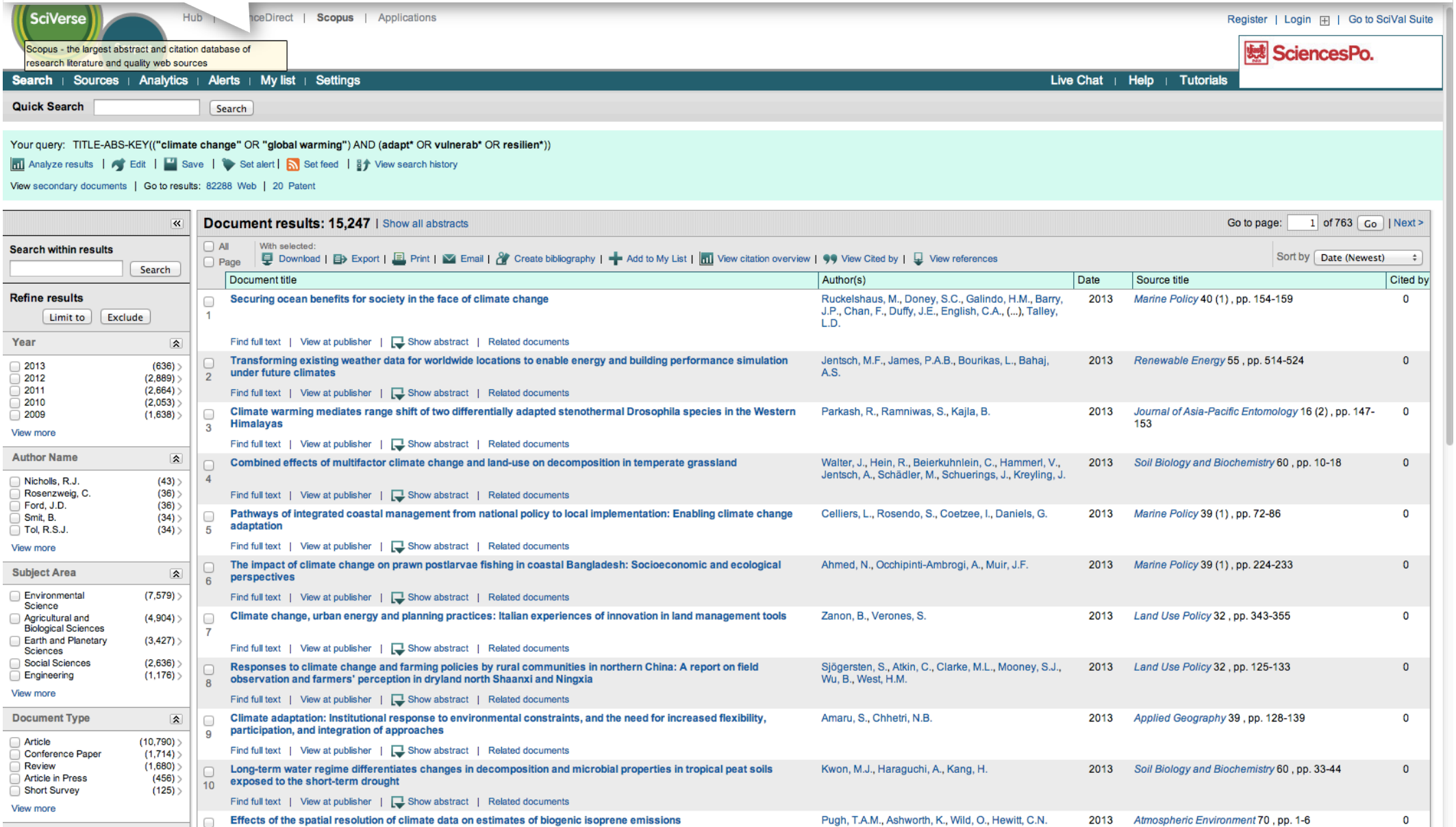
Scientific Literature

http://www.scopus.com
http://webofknowledge.com



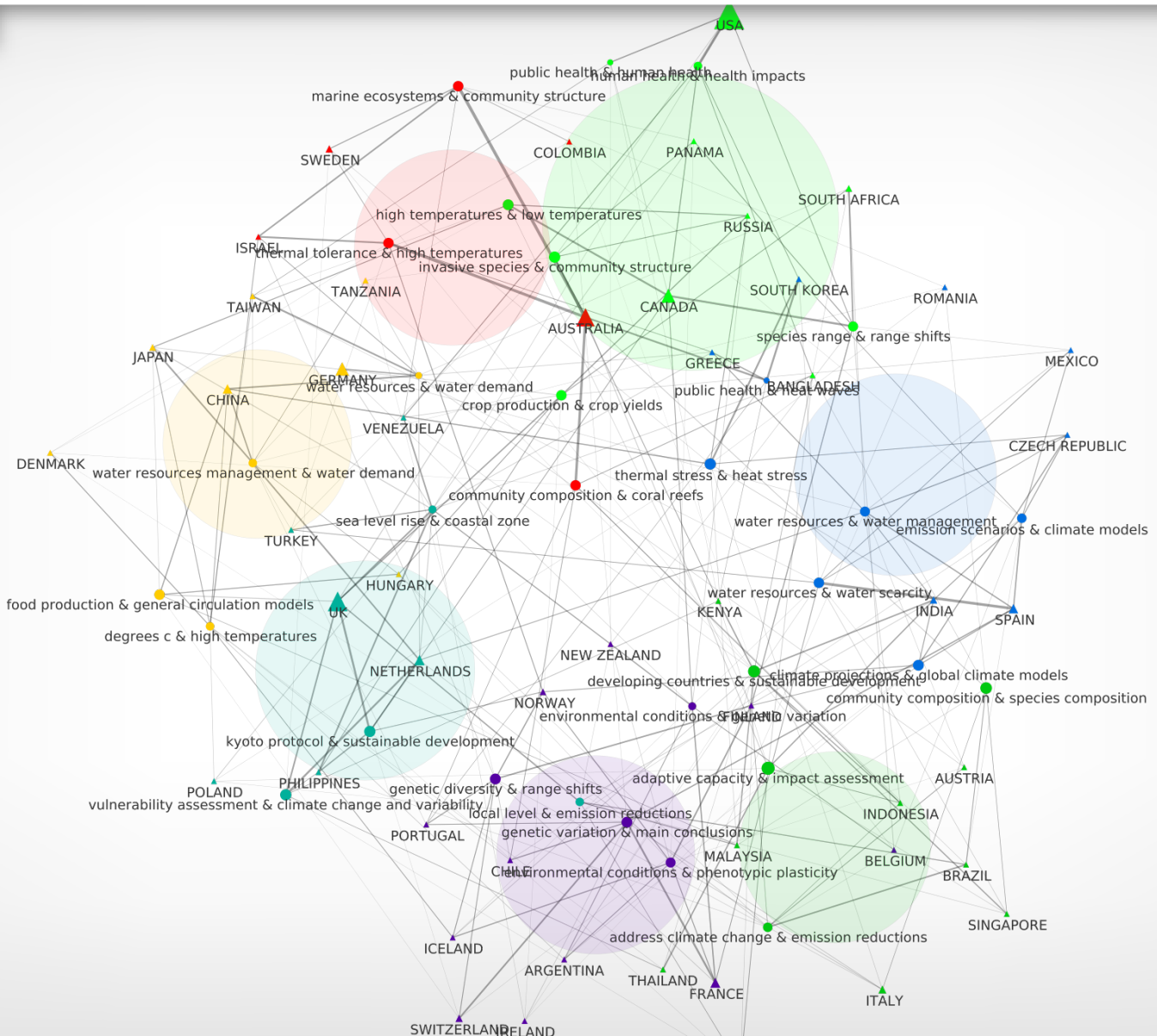
Scientific Literature

http://www.scopus.com
http://webofknowledge.com

- 10.658 bibliographic notices extracted from the WoK from 1992 to 2012
- 14.087 bibliographic notices extracted in Scopus from 1991 to 2013
- In both cases, we used the query:
  ("climate change" OR "global warming") AND
  (adapt* OR vulnerab* OR resilien*)

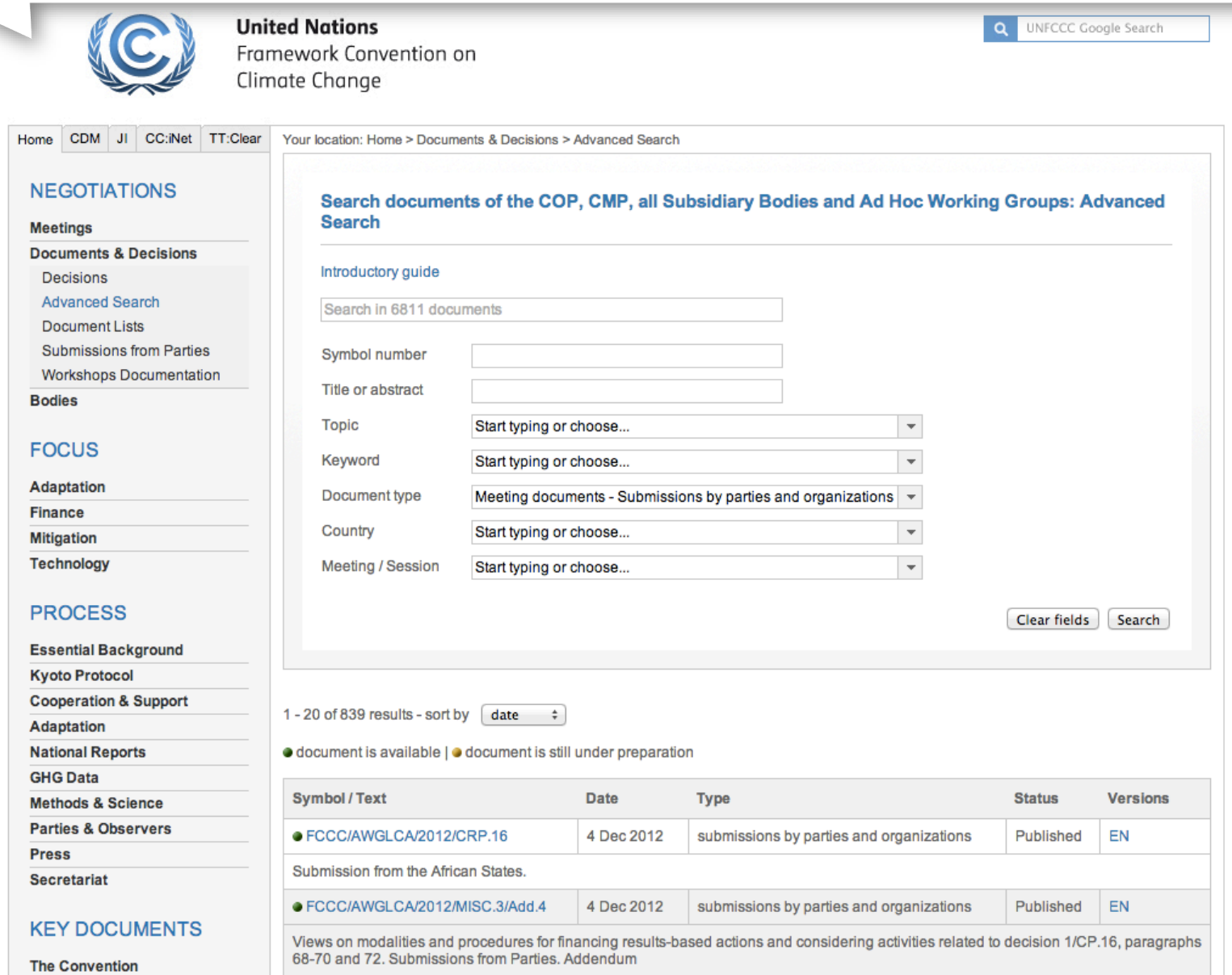
Scientific Literature

http://cortext.net/



UNFCCC documents

http://unfccc.int/documentation/documents/advanced_search/items/3594.php



UNFCCC documents

http://unfccc.int/documentation/documents/advanced_search/items/3594.php

- 839 positions papers submitted to the UNFCCC
- All document present in the UNFCCC database and tagged as
  Document type = “Meeting documents - Submissions by parties and organizations”

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weADAPT.org

www.weadapt.org

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Featured Themes

Vulnerability
Guidelines and tools for assessing the social and biophysical vulnerability to climate change.

Economics of adaptation
Assessing the costs of adaptation using multiple lines of evidence.

Forests and Climate Change
Exploring the role of forests for the adaptation of people to climate change.

Adaptation Decision Making
Sharing methods, tools and approaches for adaptation decision-making.

Climate Adaptation Training
Training modules on climate analysis, vulnerability assessment and adaptation planning.

Using Climate Information
Interpreting climate data and understanding the uncertainty associated with it.

Featured Network

Community Based Adaptation
Global Initiative on Community

weADAPT

Collaborating on Climate Adaptation

weADAPT is an online 'open space' on climate adaptation issues (including the synergies with mitigation) which allows practitioners, researchers and policy makers to access credible, high quality information and to share experiences and lessons learnt.

What's new in weADAPT?

In an exciting collaboration between weADAPT and the Climate Systems Analysis Group, at the University of Cape Town, we have been exploring innovative ways of combining access to climate adaptation projects with downscaled climate data. Based on feedback from users over the last year we have created new ways to QuickShare (English | Spanish) your work, find out what others are doing and explore downscaled climate data and future climate projections from multiple climate models.

→ Take a journey through weADAPT

→ Find weADAPT on: Facebook | LinkedIn | Twitter

Growing network

Save the Children.

Save the Children

Login

Create a user profile and link to other climate adaptation professionals.

Username:

Password:

Login | Register here

If you've forgotten your password click here

New articles

Toward Resilience

Ecosystems, Climate Change, Vulnerability and Economics connect

Costs and benefits of adaptation

Mainstreaming Climate Change: Thailand Case Study

weADAPT.org

www.weadapt.org

- “weADAPT is an online ‘open space’ on climate adaptation issues which allows practitioners, researchers and policy makers to access credible, high quality information and to share experiences and lessons learnt”

- We have access to the entire weADAPT database including information on
  - initiatives
  - projects
  - tags

  ...

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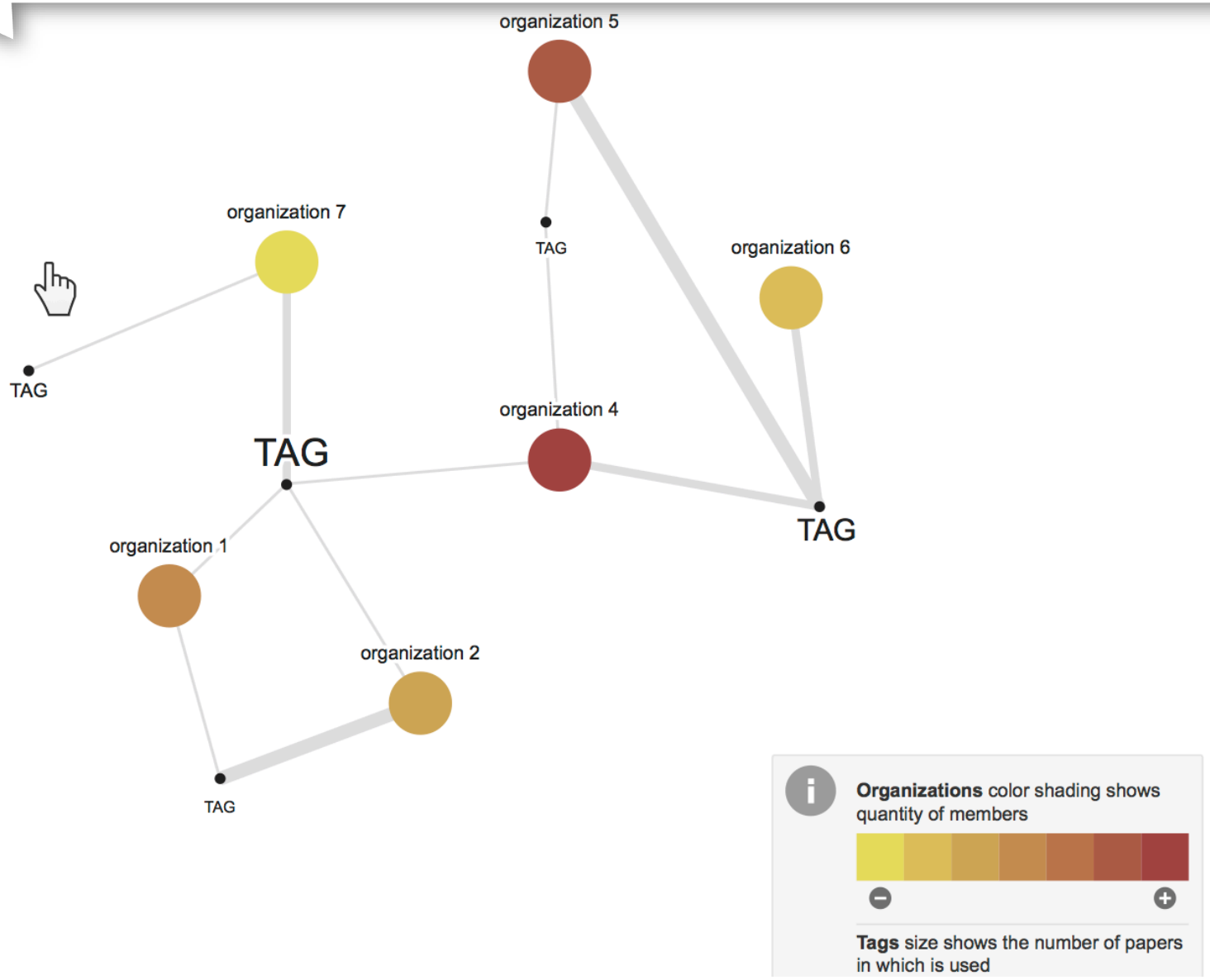
weADAPT.org

www.weadapt.org



3. From actors to networks (how)

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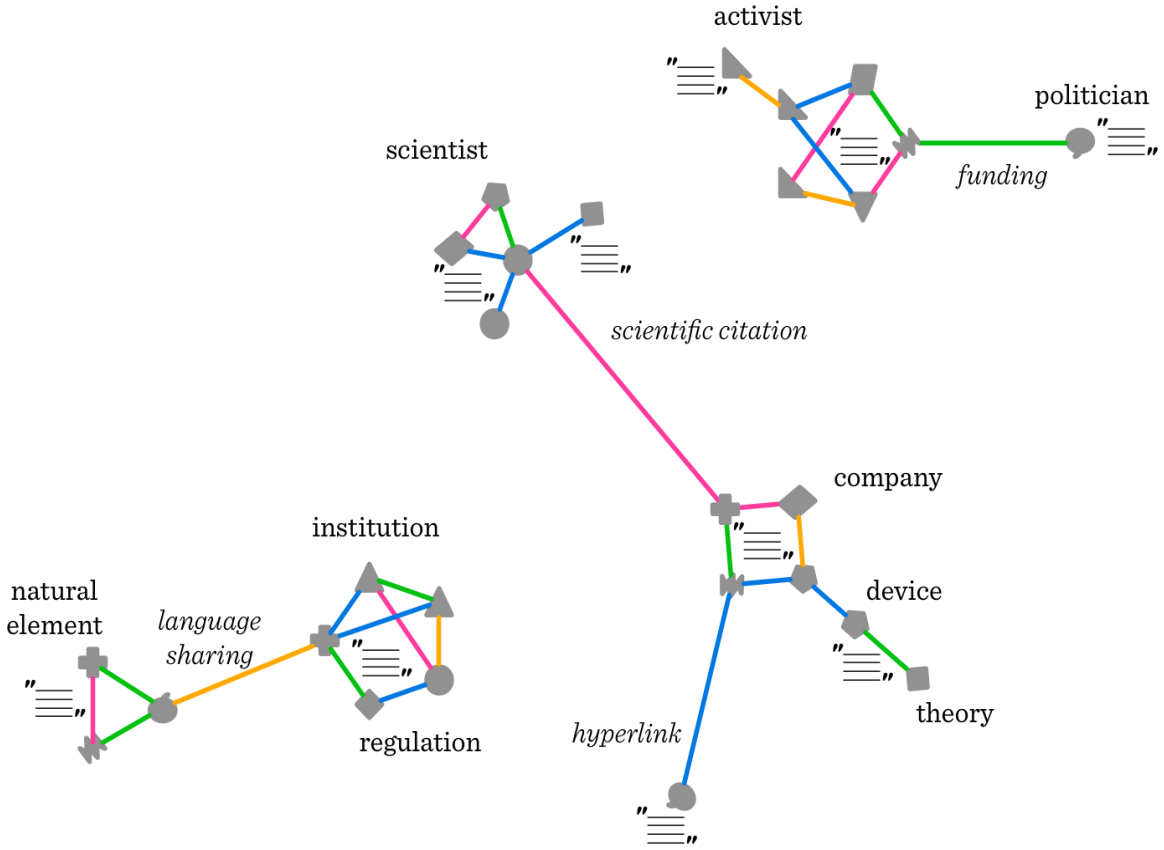
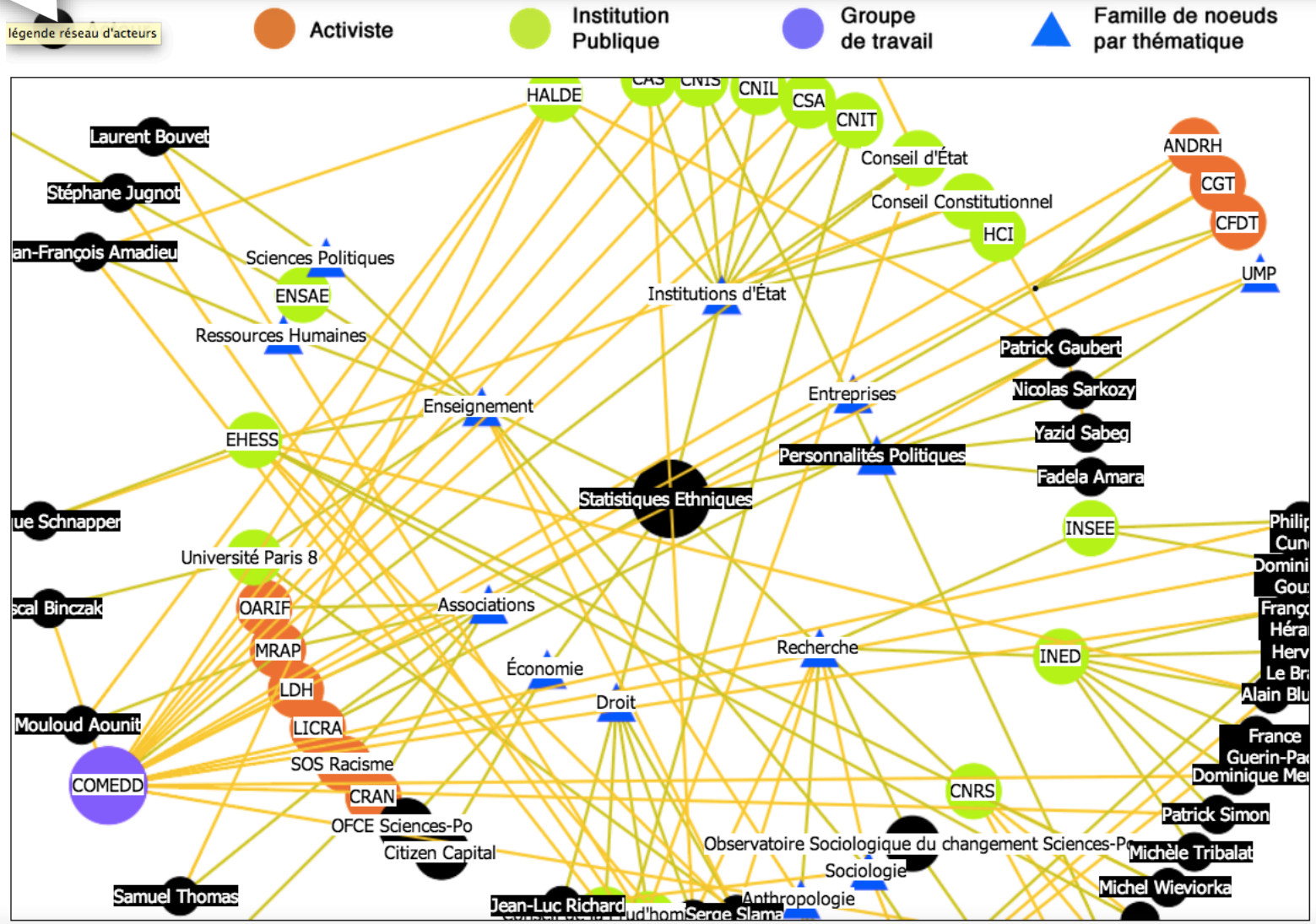


C. Actor-network diagram



http://controverses.sciences-po.fr/archive/statistiquesethniques/reseau_acteurs.php

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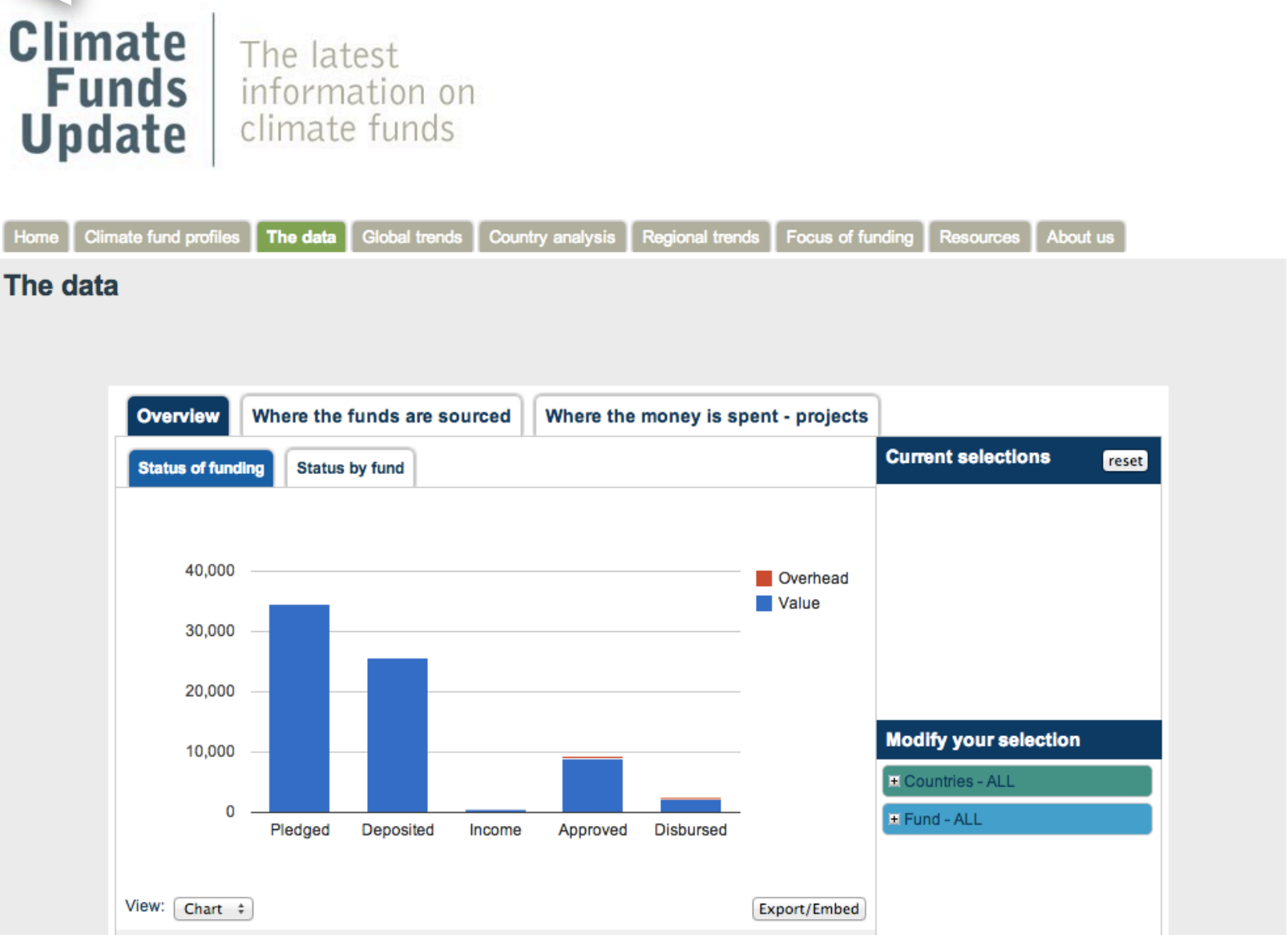
Climate Funds Update

http://www.climatefundsupdate.org/



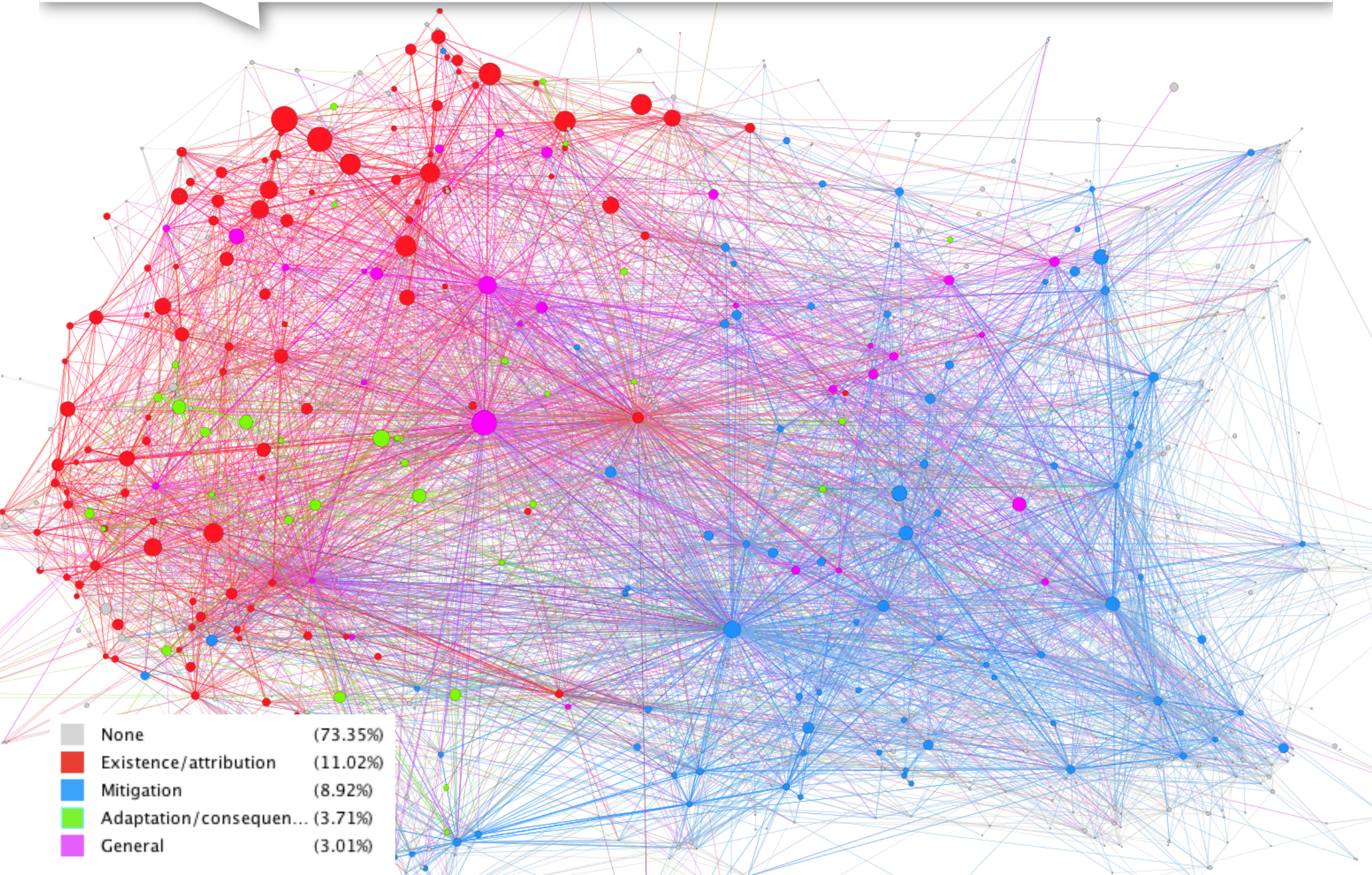
Climate Funds Update

http://www.climatefundsupdate.org/

- A joint initiative of the Heinrich Böll Stiftung and the Overseas Development Institute
- Data is cumulative since 2003 and is updated every 2 months
- Information are collected from:
  - Fund website
  - Official reporting to international organisations
  - Press releases, decisions at conferences, NGOs information
- Data contains information on
  - status of finances (pledges, deposited, approved, disboursed)
  - type of finance (grants, technical assistance, loans, credits, guaratees...)
  - type of expenditure (overhead, projects, incomes)
  - type of donor and type of receiver
  - ...

Web Cartography

ex. Wikipedia



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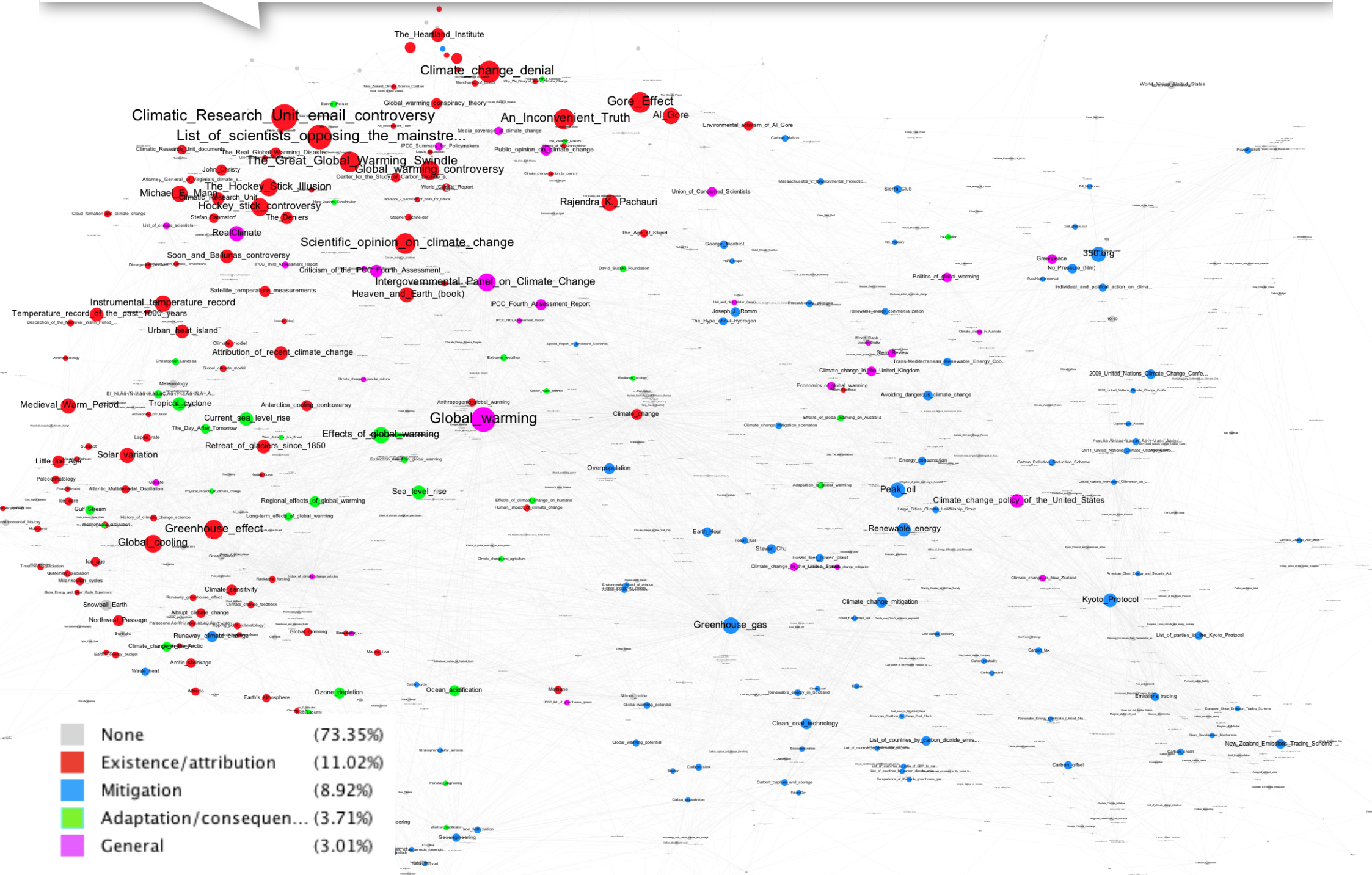

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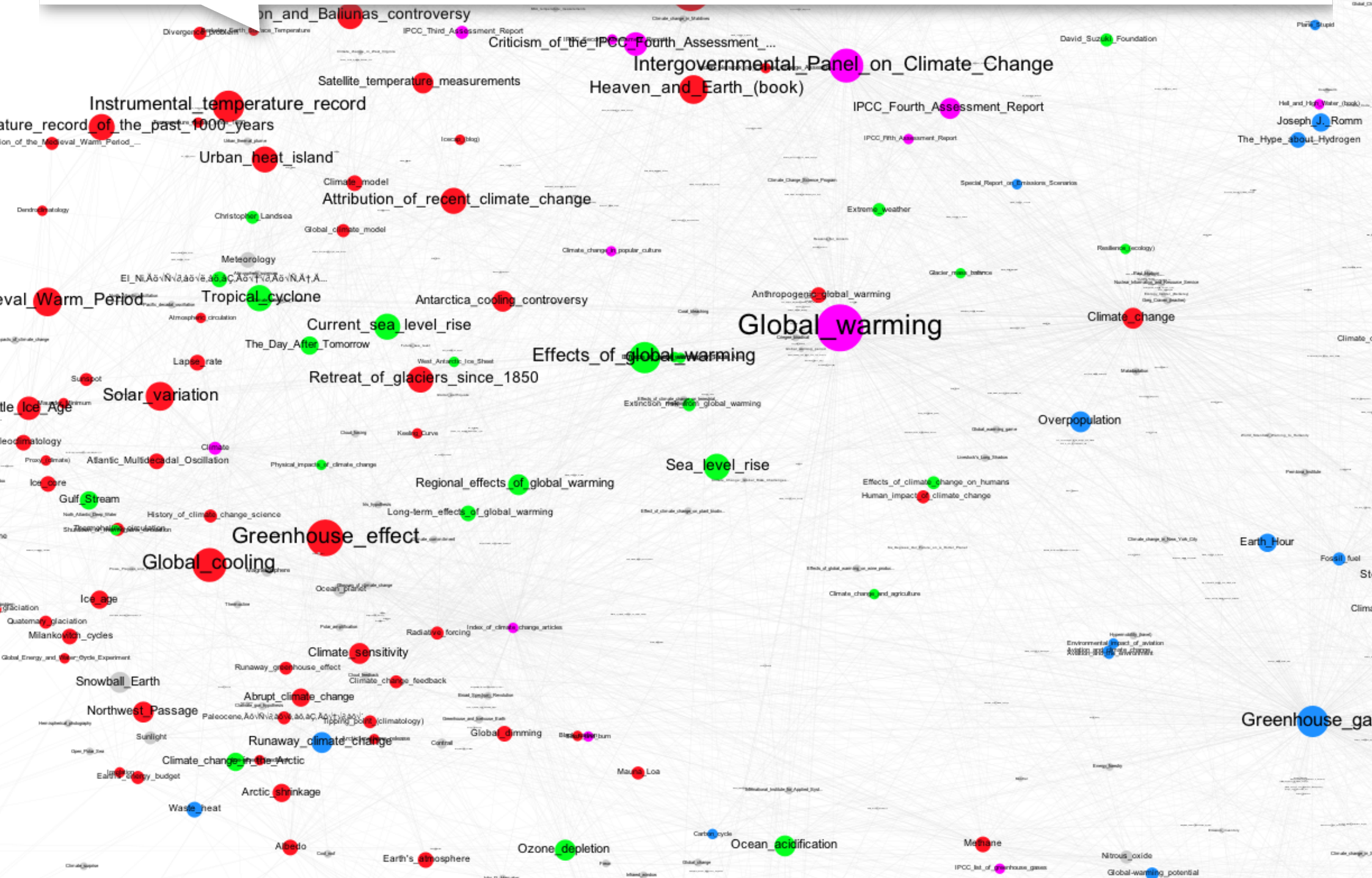

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Scientific Literature

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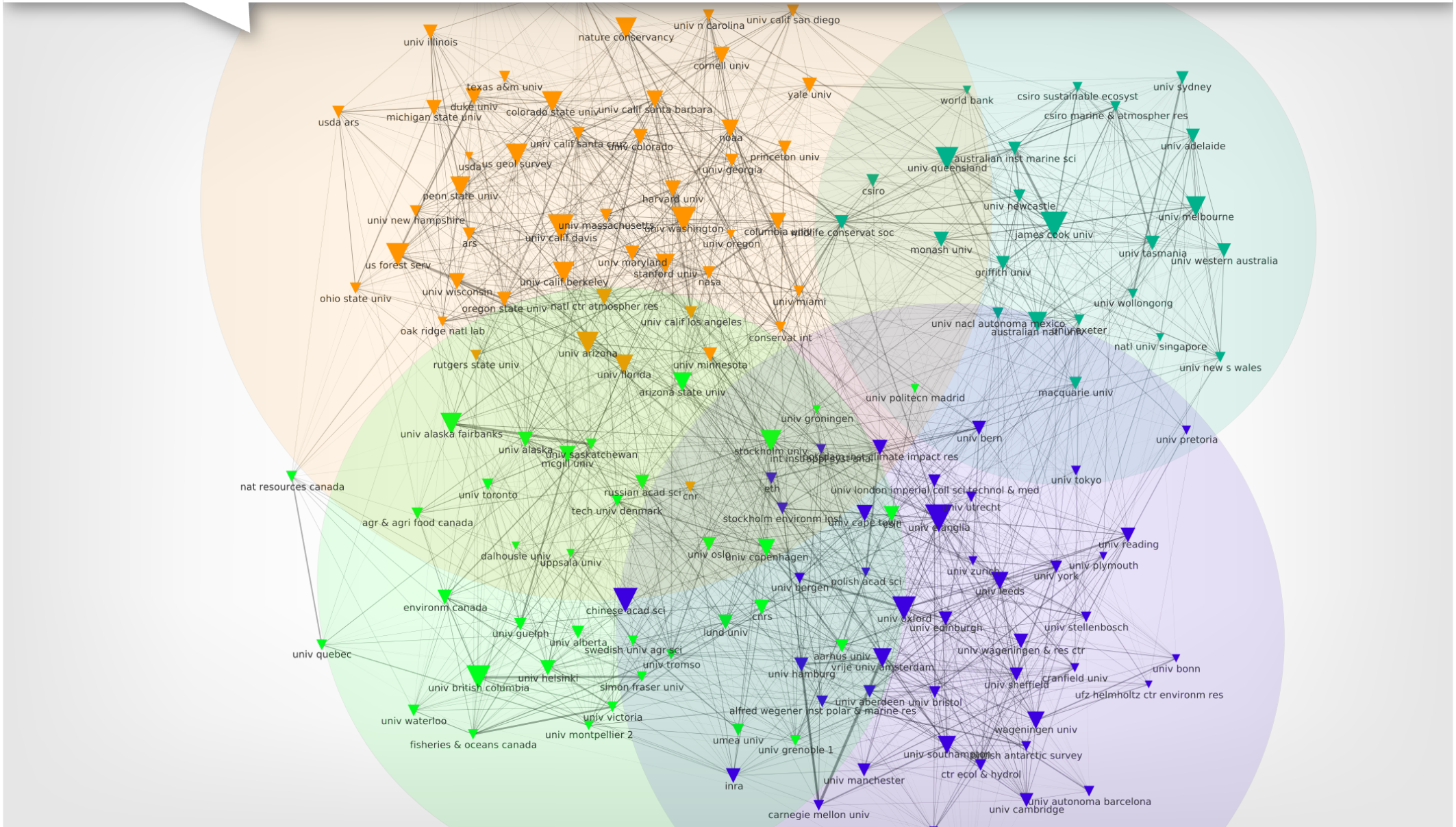

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UNFCCC side events

http://regserver.unfccc.int/seors/reports/archive.html

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Side Events & Exhibits

SB 38

Side Events & Exhibits

Side events/exhibits archive

Choose your session: Bonn Climate Change Conference - May 2012 Refresh

[go to exhibits list]

Side events schedule

Title/theme/speakers	Organizer	Date	Attachments
Launching Global Protocol for Community-Scale GHG Emissions (GPC) Developed by ICLEI and C40, in collaboration with WB-UNEP-UNHABITAT and WRI, Global Protocol for Community-Scale GHG Emissions (GPC) supports local, national, and global climate mitigation efforts by standardizing how communities quantify and report their GHG emissions. **Speakers:** High level representatives and experts of ICLEI, C40, WB, WRI	**Yunus Arikan** ICLEI-Local Governments for Sustainability (ICLEI) yunus.arikan@iclei.org +49 228 97629920	Mon, 14 May 2012	Agenda [233 kb]
Latest submissions of national communications from non-Annex I Parties The side-event will consist of presentations of the latest submissions of national communications from non-Annex I Parties, followed by a Q&A session and general discussion.	**Uazamo Kaura** Secretariat of the United Nations Framework Convention on Climate Change (UNFCCC) ukaura@unfccc.int +49 228 8151474	Mon, 14 May 2012	Parties Presenting [459 kb] Presentation Outline [29 kb] Contact details of Presenters [30 kb] Belize [496 kb] Benin [527 kb] Gabon [3 Mb] Jamaica [111 kb] India [867 kb] Thailand [2 Mb]
Loss & Damage: From regional insurance pool to local weather protection in the Caribbean MCII presents updates from the Caribbean Adaptation & Insurance program which links disaster risk reduction & insurance through public-private partnership to help low-income people. **Speakers:** Koko Warner (moderation) Ekhosuehi Iyahen (CCRIF) Grenada representative (tbd) Jamaica representative (tbd) St. Lucia representative (tbd) Thomas Loster, Munich Re Foundation Richard	**Koko Warner** Munich Climate Insurance Initiative (MCII) warner@ehs.unu.edu +49 228 8250226	Tue, 15 May 2012	Caribbean Insurance & Adaptation Initiative [2 Mb] Local demand & product design for livelihood protection insurance [297 kb] Primary insurance views on insurance design in context of loss & damage [39 kb] Reinsurance perspective on trends in loss & damage related to weather extremes [1 Mb]

4. From networks to cosmoses (where)

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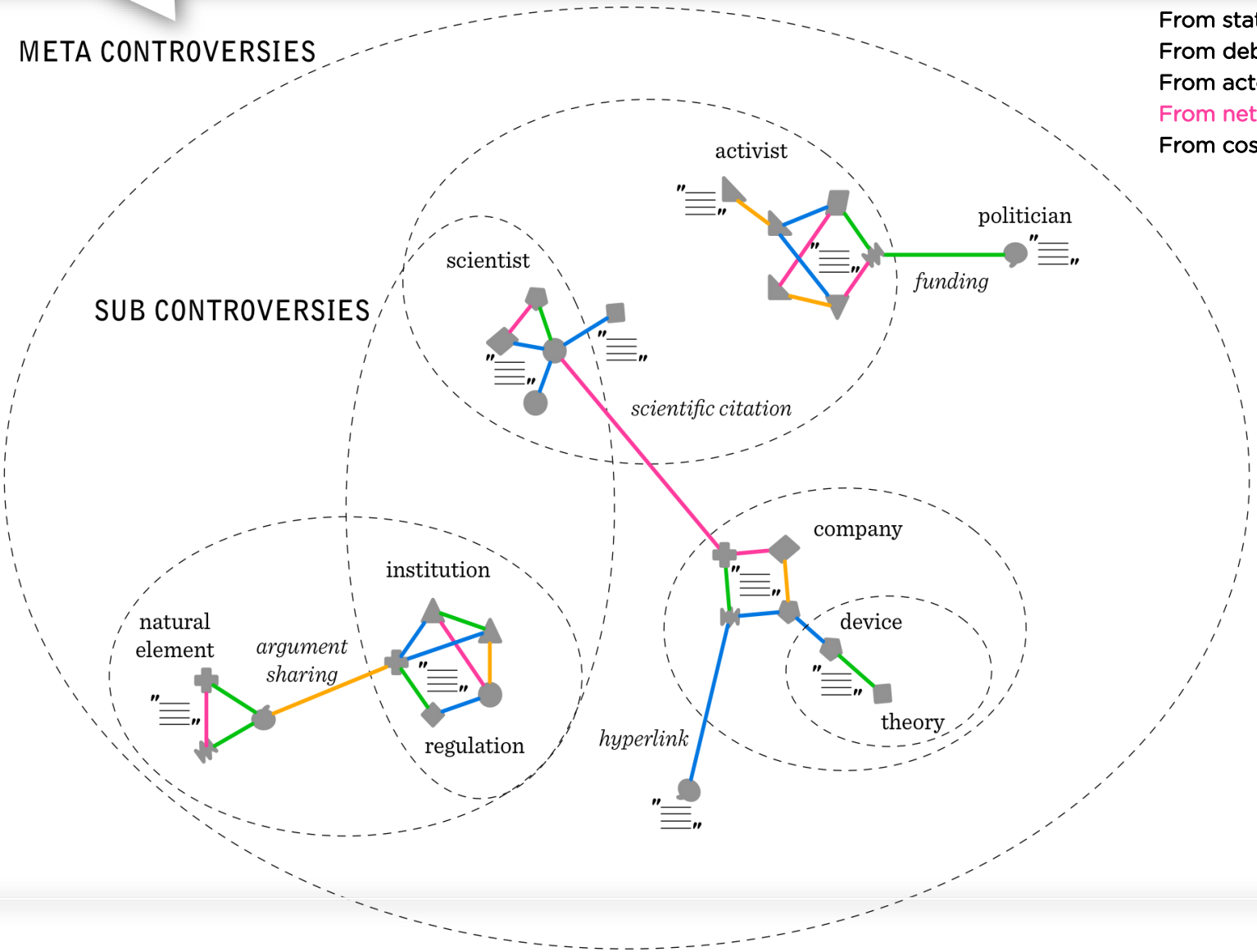
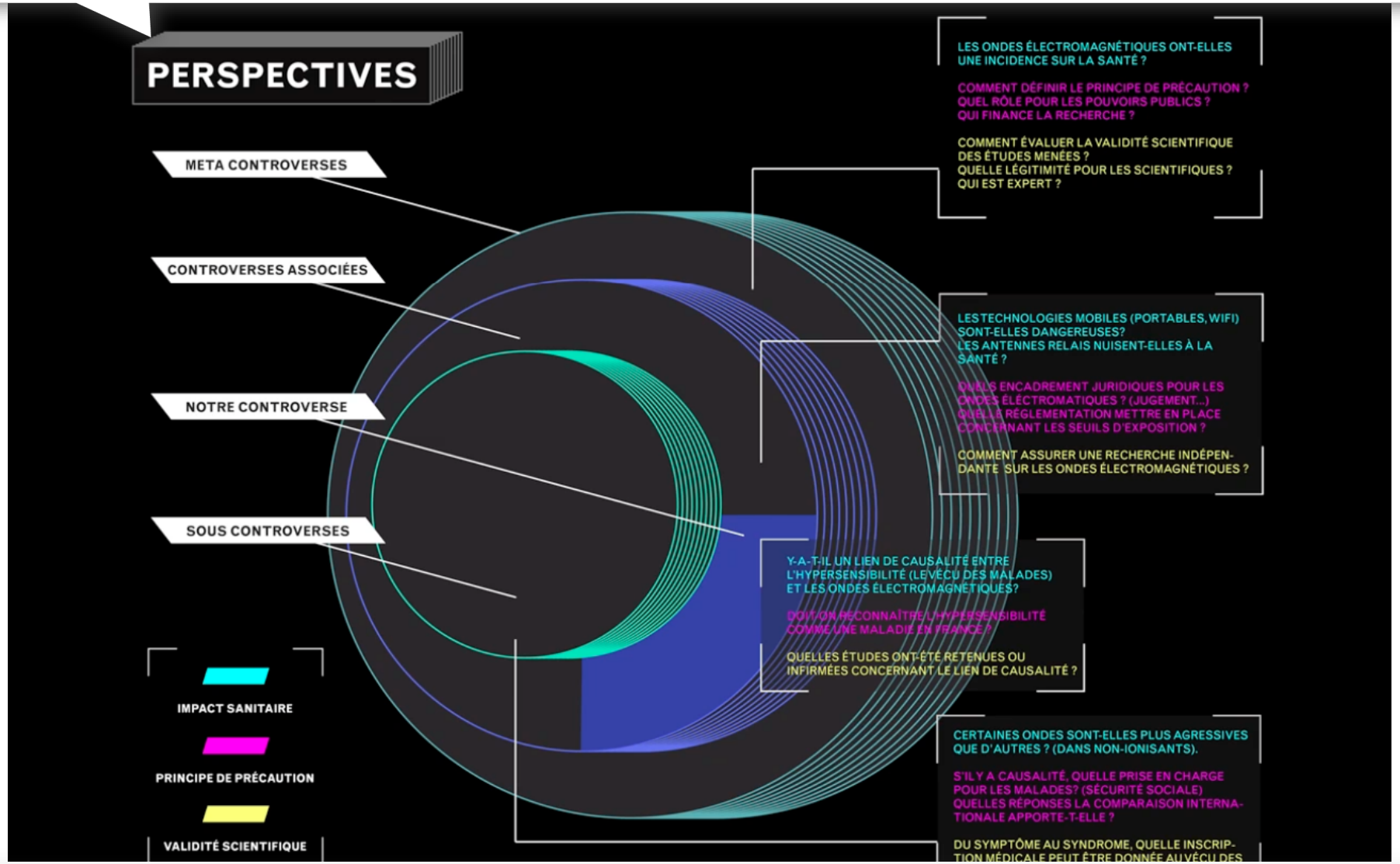


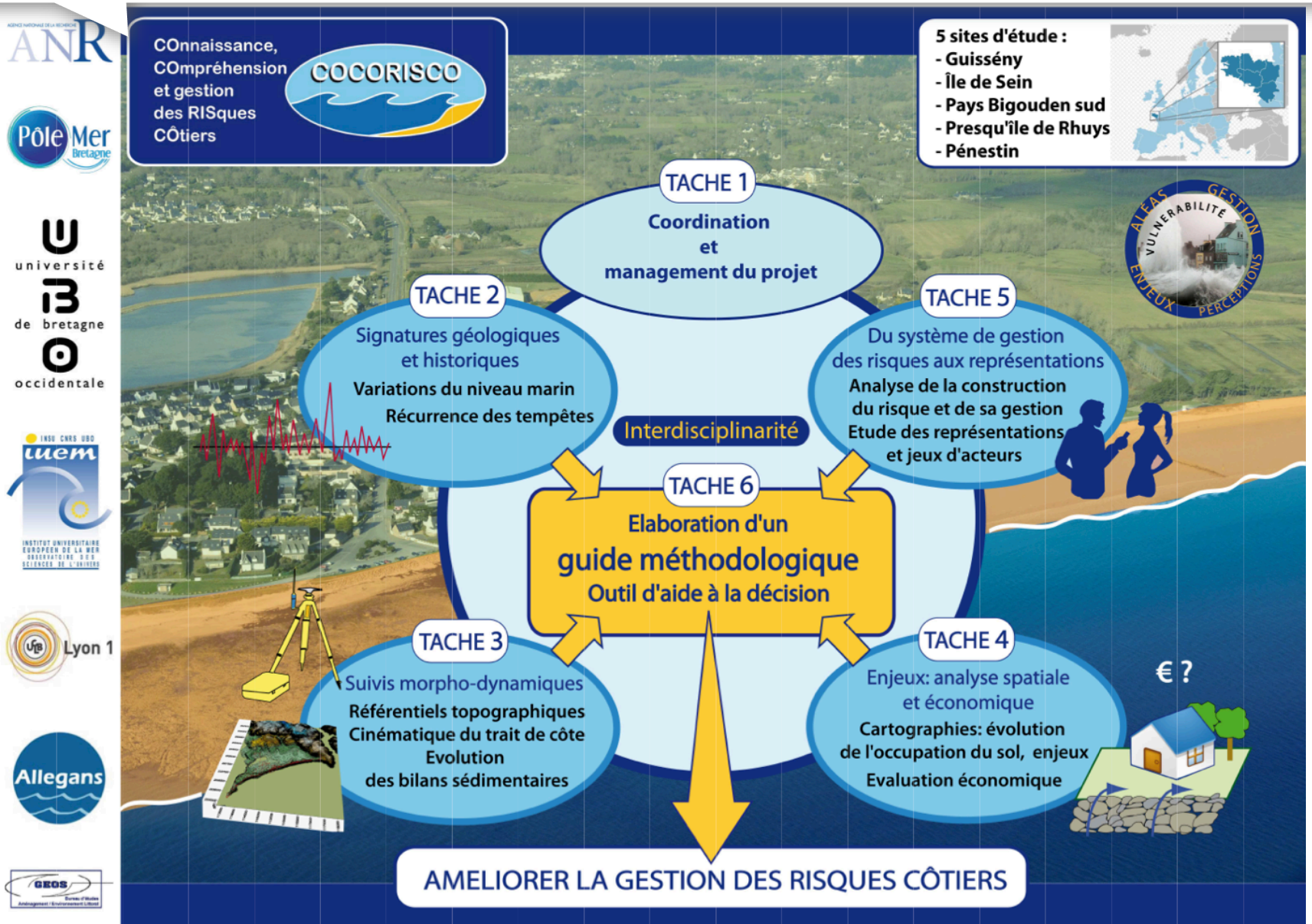
D. Debate scale



http://medialab.sciences-po.fr/controversies/2010/HypersensibiliteOndes/index.php/perspectives/

Cocorisco

http://www.cocorisco.fr/



5. From cosmoses to cosmopolitics (when)

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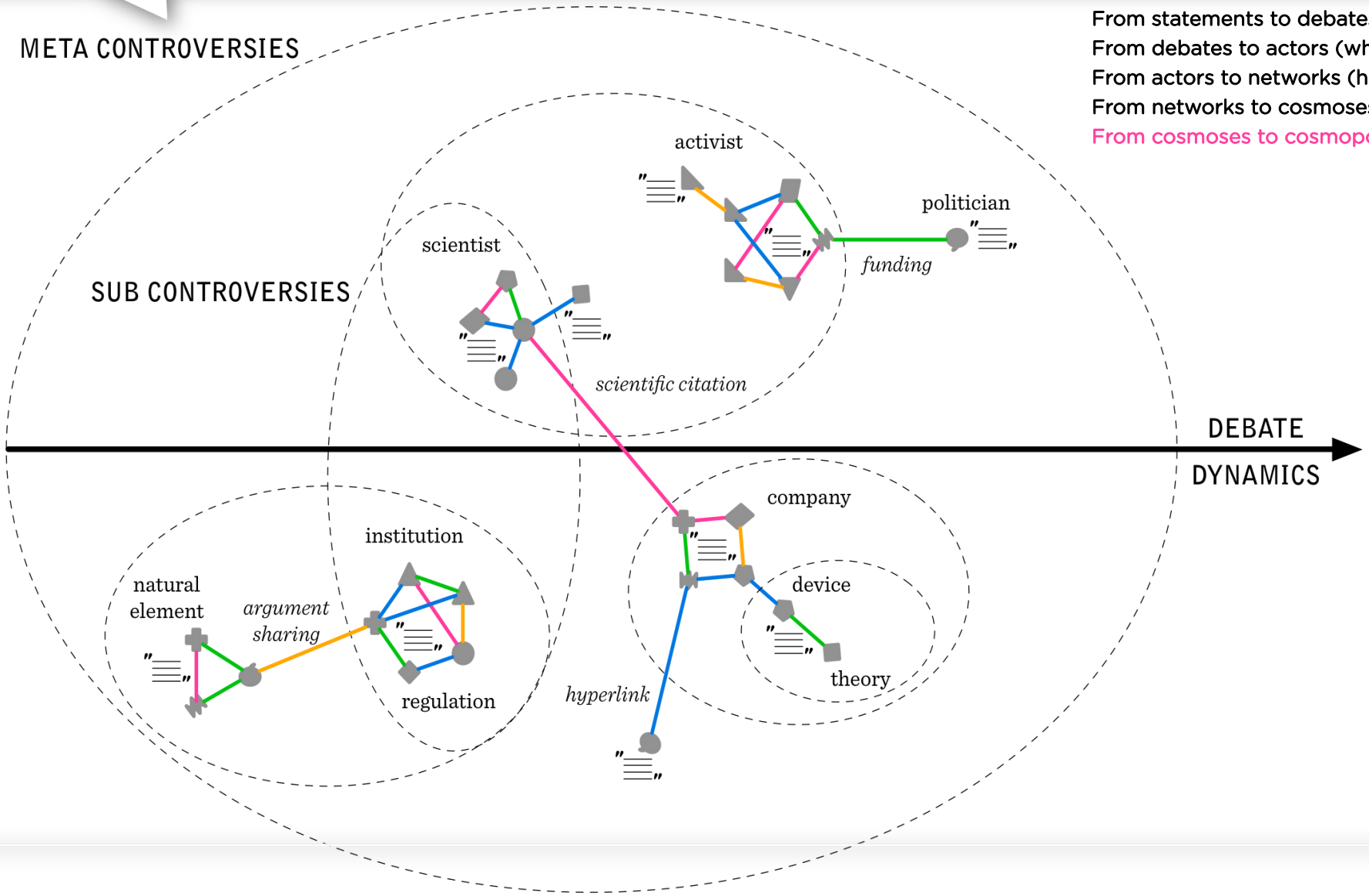

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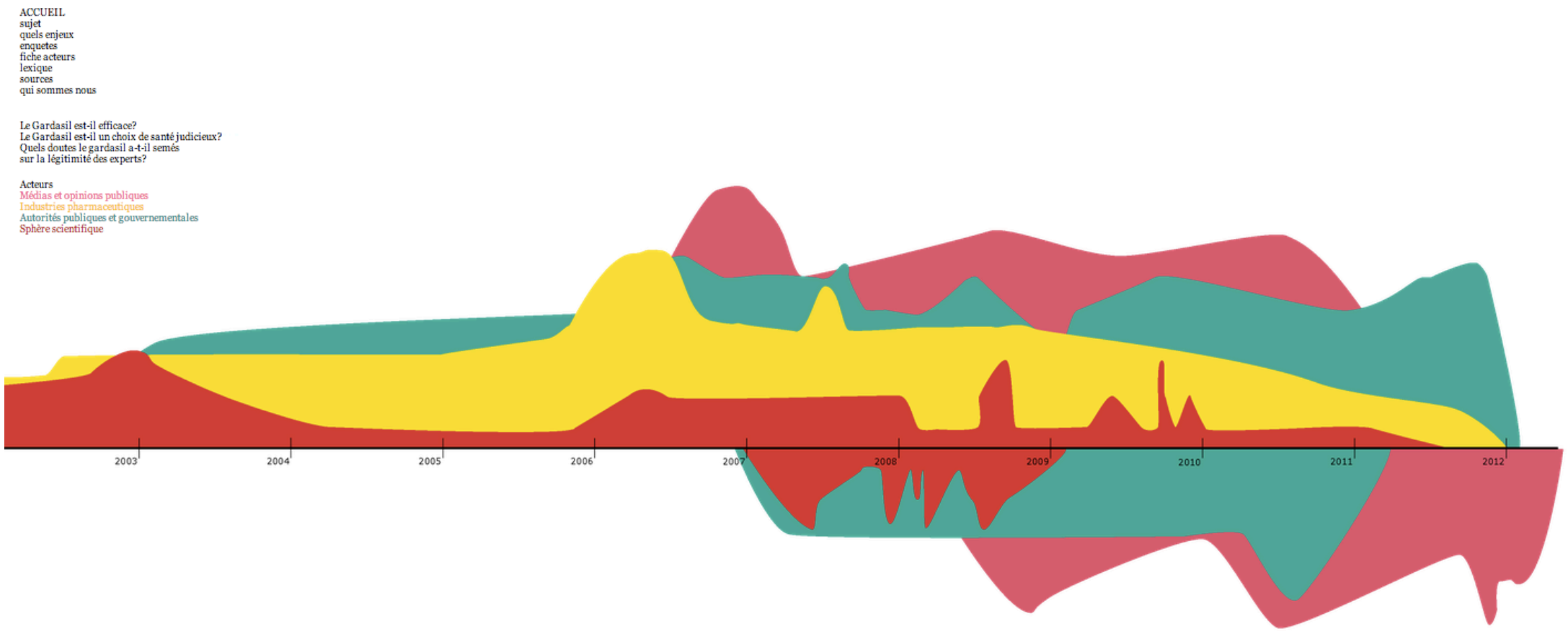
E. Debate dynamics



http://controverses.sciences-po.fr/archive/gardasil/

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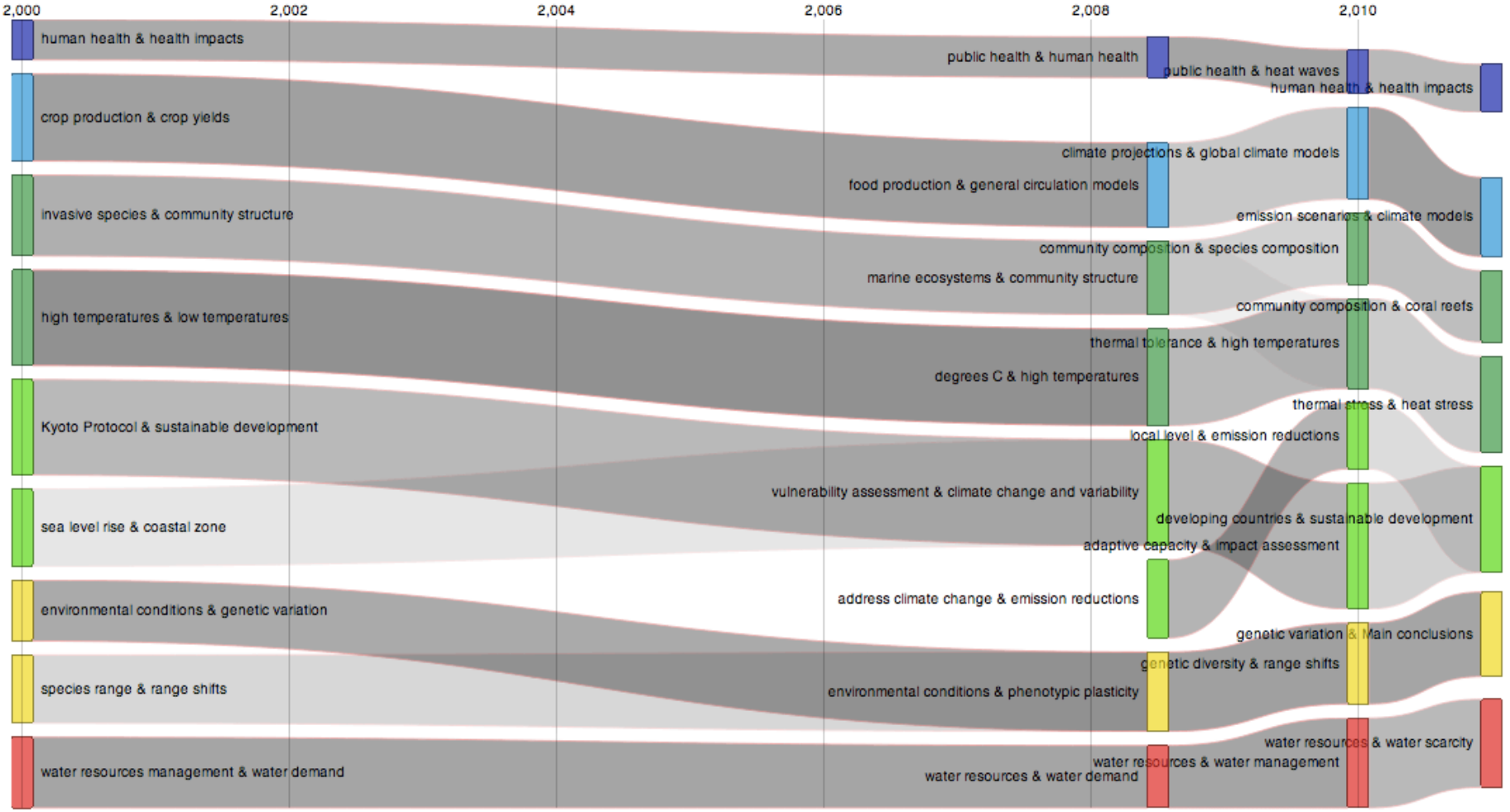
Scientific Literature

http://cortext.net/



Our tools

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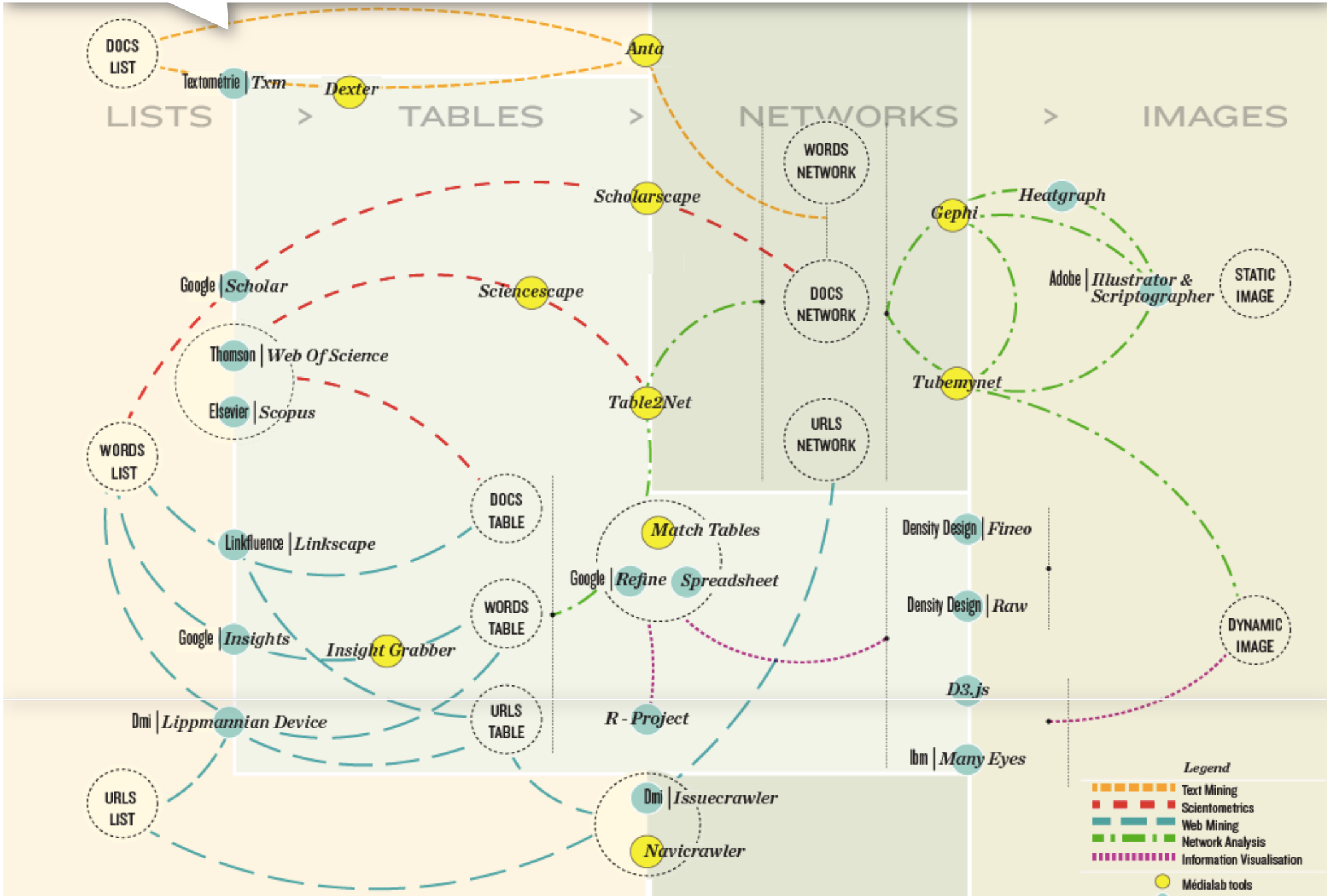

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