

Mapping Science and Society Actors on the Web

WP 3.1

Eurosis Final Conference

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with many thanks from
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Objectives

- Explore and understand the various topics dedicated to **science in society issues** on the Web
- Provide SiS NCP with an accurate vision of the **SiS stakeholders** in Europe
- **Identify partnerships** (at national level and at European level)

General approach of Web mapping

- Goal - mapping the SiS actors and their interactions (in 12 countries taking part in the task)
- Website – easily observable evidence of SiS actor that really exist
- Hypertext link – the only relation between actors that can be observed, the trace of interaction

Methodology

- Development of methodology that takes into account the SiS NCP's needs (WebAtlas and NCP-s)
- Collecting web data – ~200 SiS actors URL-s per country (NCP-s)
- Data qualification and categorization – social status (1 out of 12 per URL), tags (3 out of 21 per URL) NCP-s)
- Analyses of metadata, creation and the first interpretation of maps (WebAtlas)

Categories – social status

1. Advisory bodies
2. Companies
3. Events/projects
4. International/European Structure
5. Media, including New Media
6. Network of organizations
7. NGO-CSO
8. Out of your own country
9. Policy makers and Governmental organization
10. Research centres
11. Science centres and museums
12. Universities and secondary schools

Free tags – FP7 perspective

1. Agriculture and fisheries
2. Biotechnologies
3. Business and SME
4. Communicating science
5. Energy
6. Environment
7. Food
8. Gender issues
9. Governance and ethics
10. Health
11. ICT
12. International cooperation
13. Nanosciences,
nanotechnologies ect
14. People
15. Regions of knowledge
16. Research infrastructures
17. Science education
18. Security
19. Socioeconomic sciences
and humanities
20. Space
21. Transport

Constrains

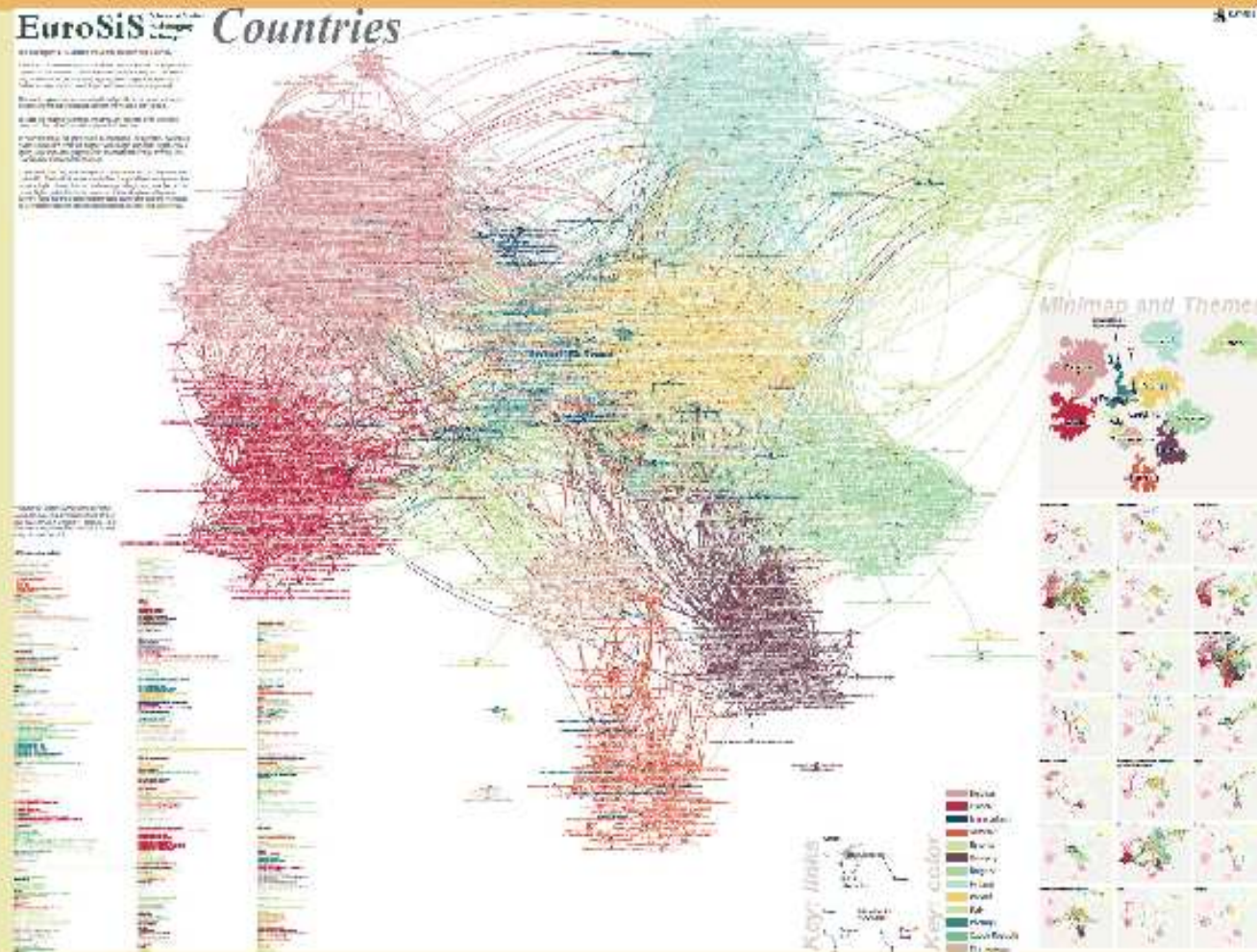
- Countries are different – different approach to the term “SiS actor”, different web-culture, different size and population etc.
- People are different – different background and motivation
- NCP-s are people who come from different countries ...

Tangible results – definitely useful for future activities

- List and database of SiS stakeholders in these countries
- National and general maps
- Report on the Web mapping methodology and analysis of SiS actors of 12 countries

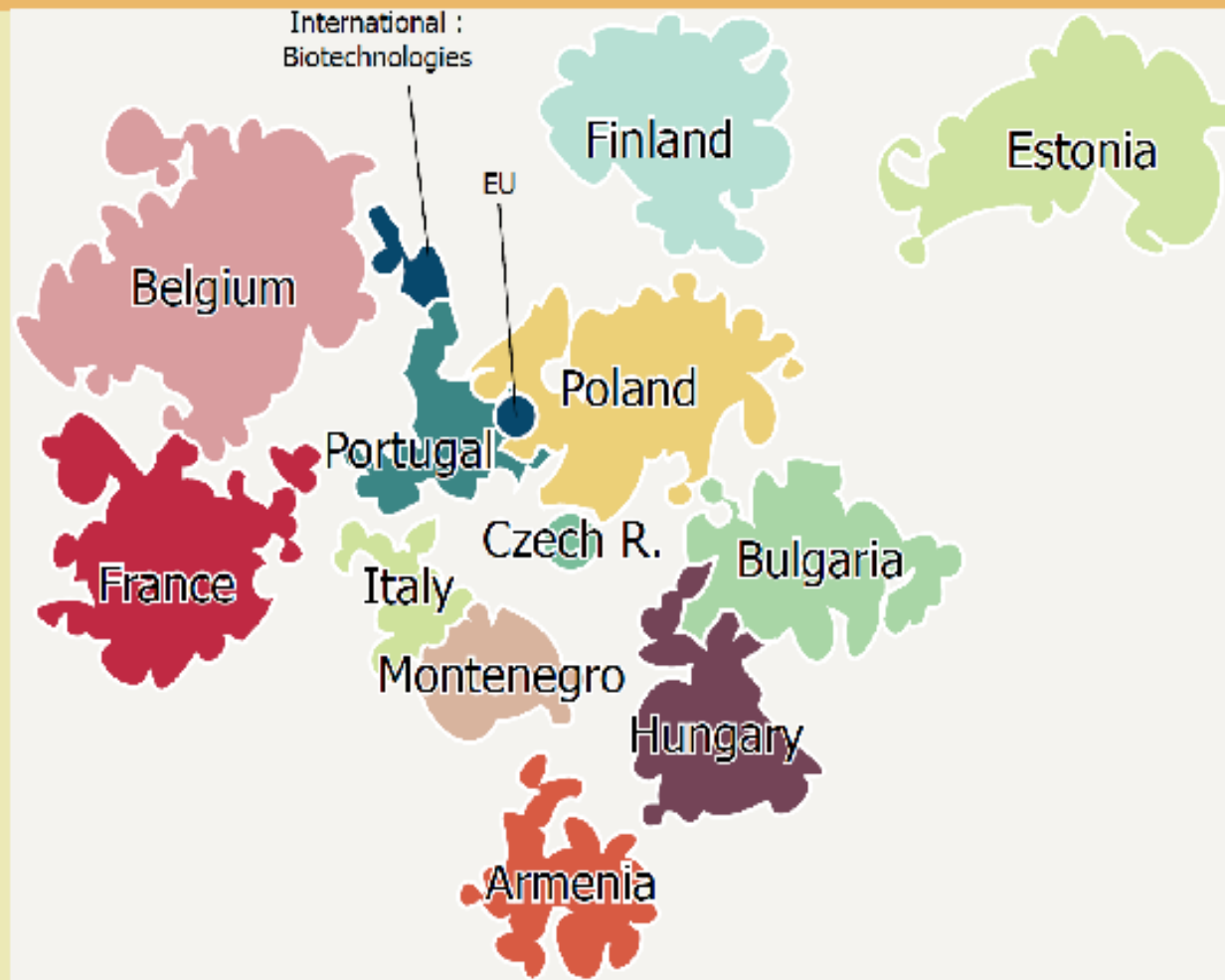
Results

Results : General map



Clusters by countries

Results : Minimap of the General Map



Clusters by countries

Results : National networks...

**The national SiS networks
draw various structures.**

**There are big and small, strong and weak
networks. But two tendencies emerge...**

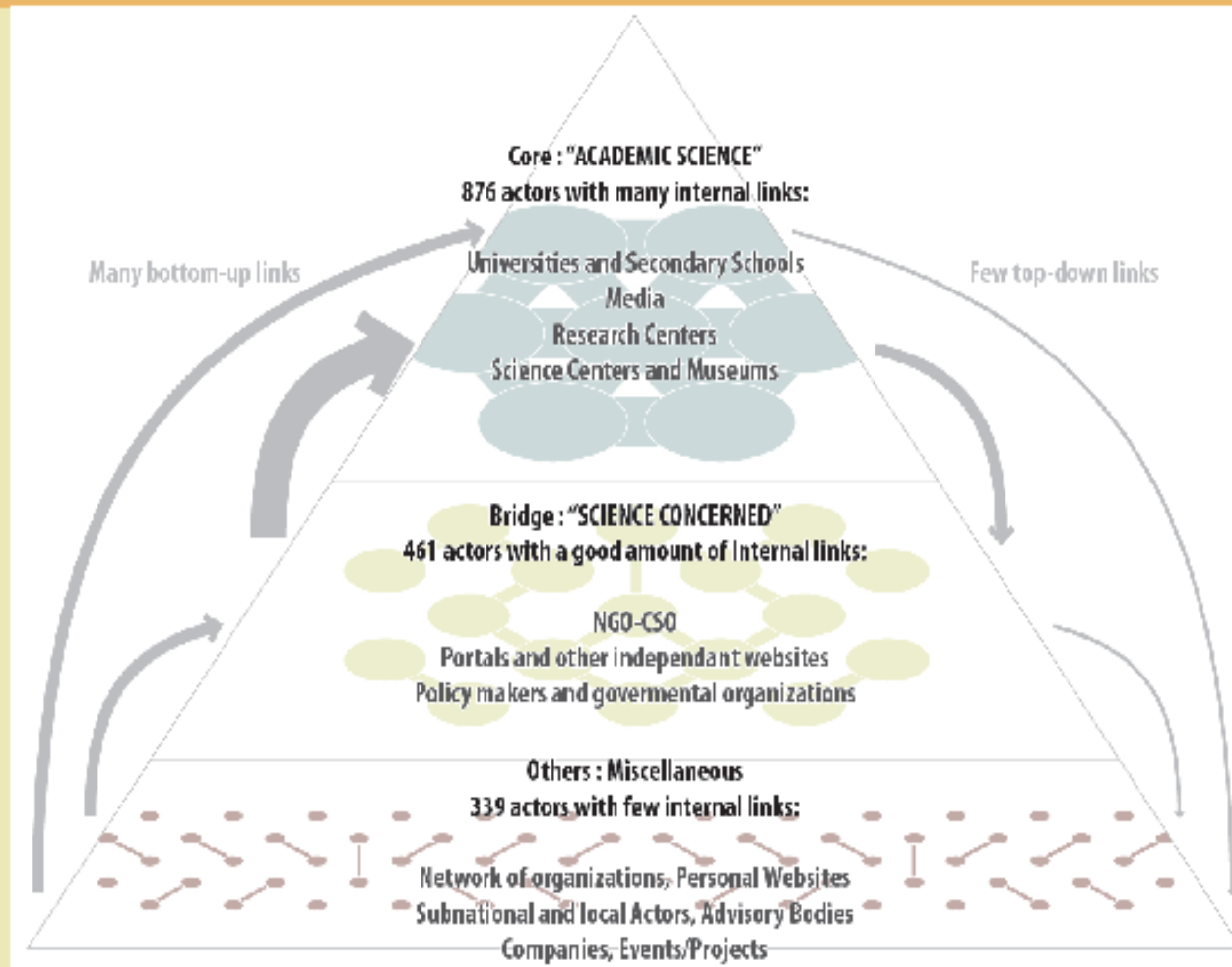
Results : National networks... Tendencies

1. The bigger and stronger networks tend to be more connected to other countries

2. The strong national networks are always supported by an academic subnetwork, but the presence of NGO-CSOs and web-specific actors

(such as portals or independent websites) makes the difference for the strongest.

Results : Interactions between actors (1/4)



“Science concerned” actors as a bridge to “science”

Results : Interactions between actors (2/4)

CORE : Academic Science

**(Universities and Secondary Schools, Research Centers,
Science Centers and Museums, Media)**

Strong national subnetworks

Results : Interactions between actors (3/4)

**BRIDGE : Science Concerned
(NGO-CSO, Portals and other independent websites, Policy
makers and Governmental Organizations)**

**Well connected, extends the core
as a bridge to other actors**

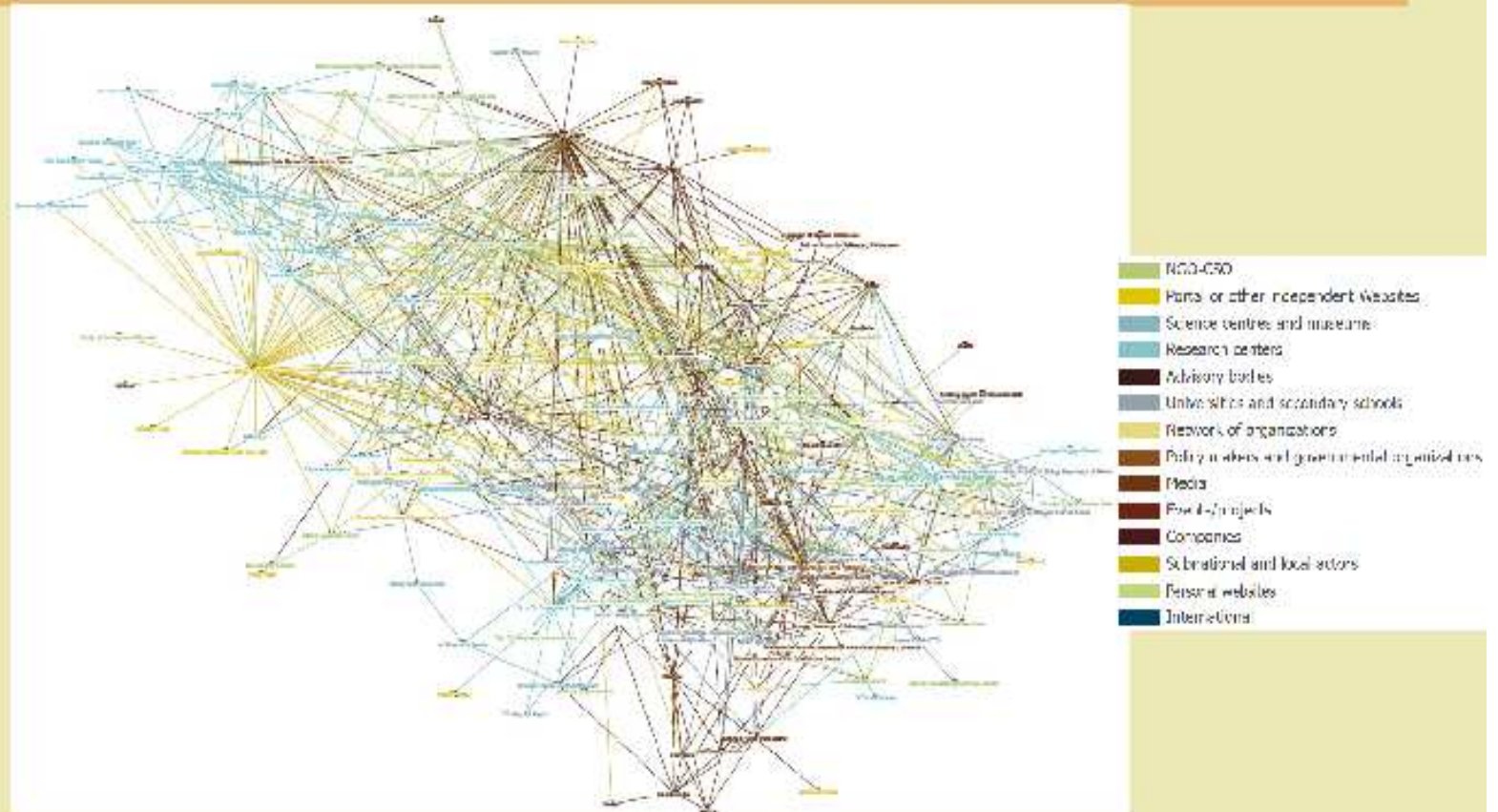
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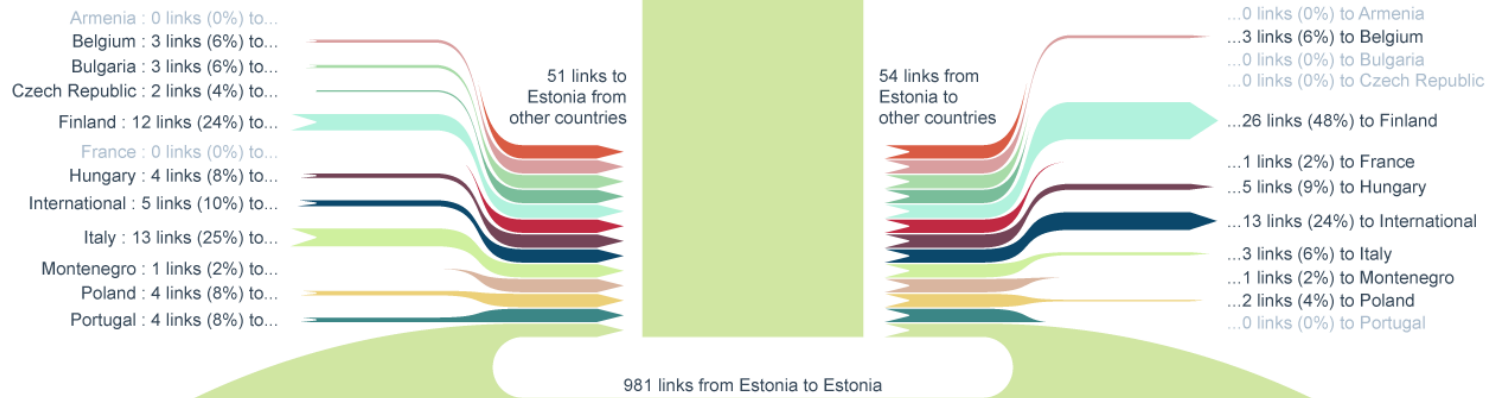
Results : Estonia



Strong network with many science institutions, NGO-CSOs, and media. Some dedicated subnetworks (Environment). Few links with other countries

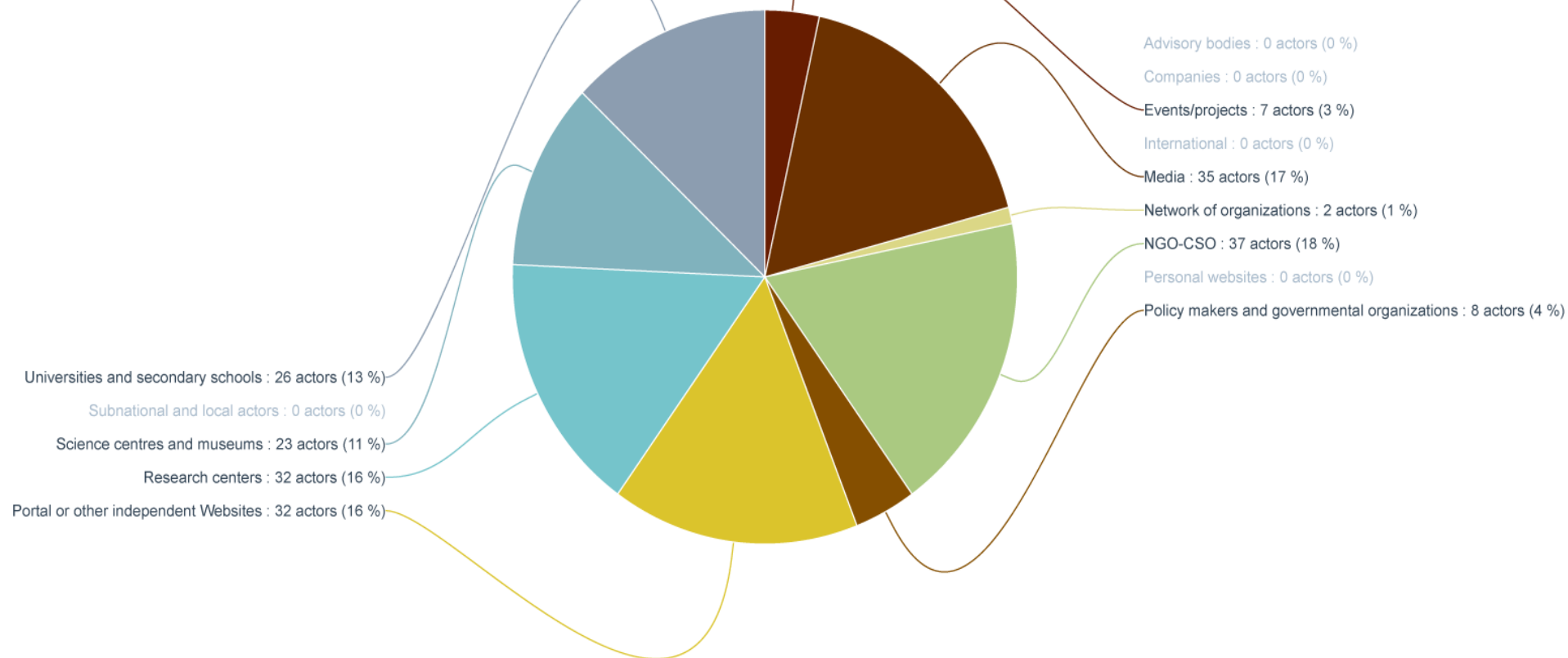
Estonia

(202 actors)

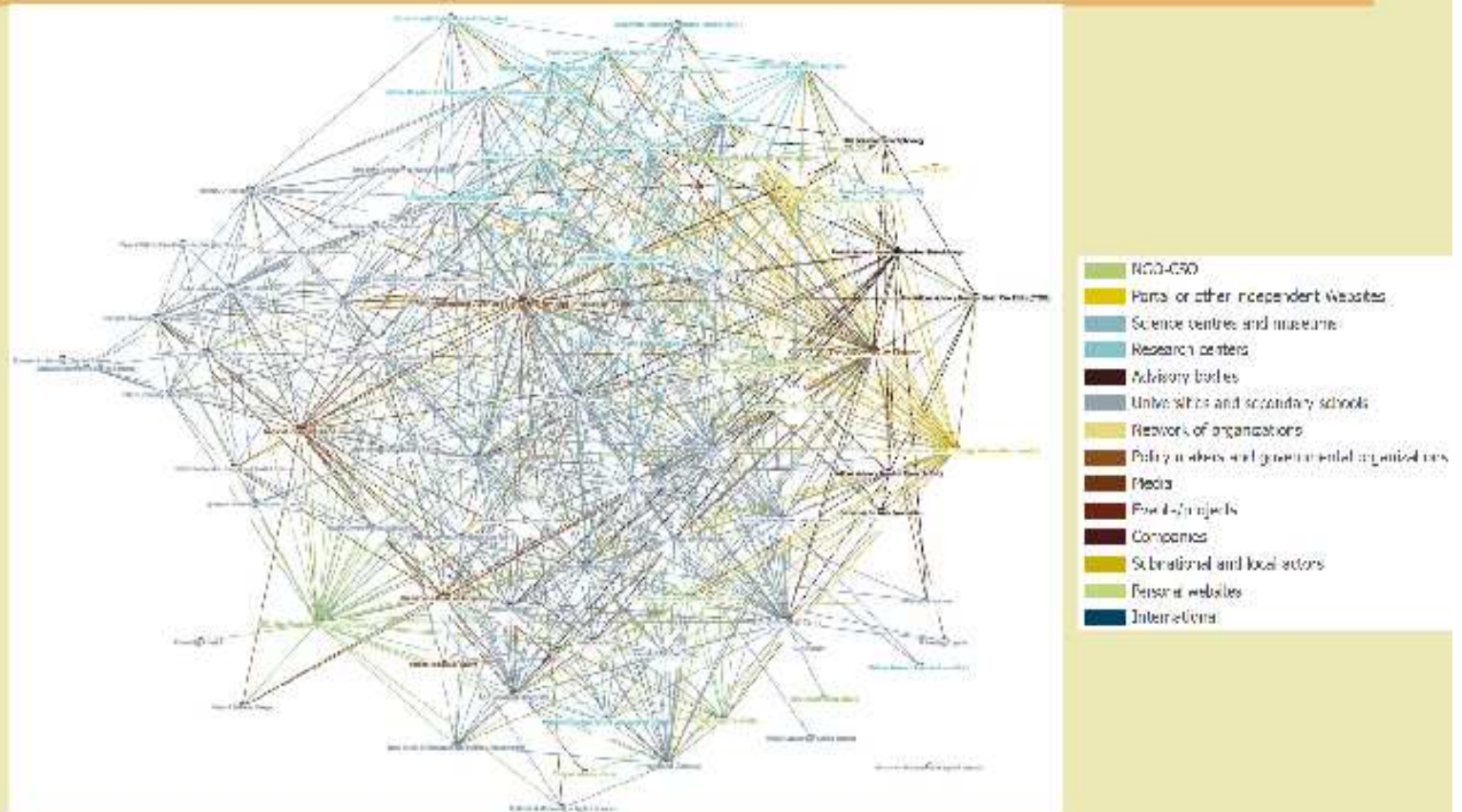


Estonia

(202 actors)



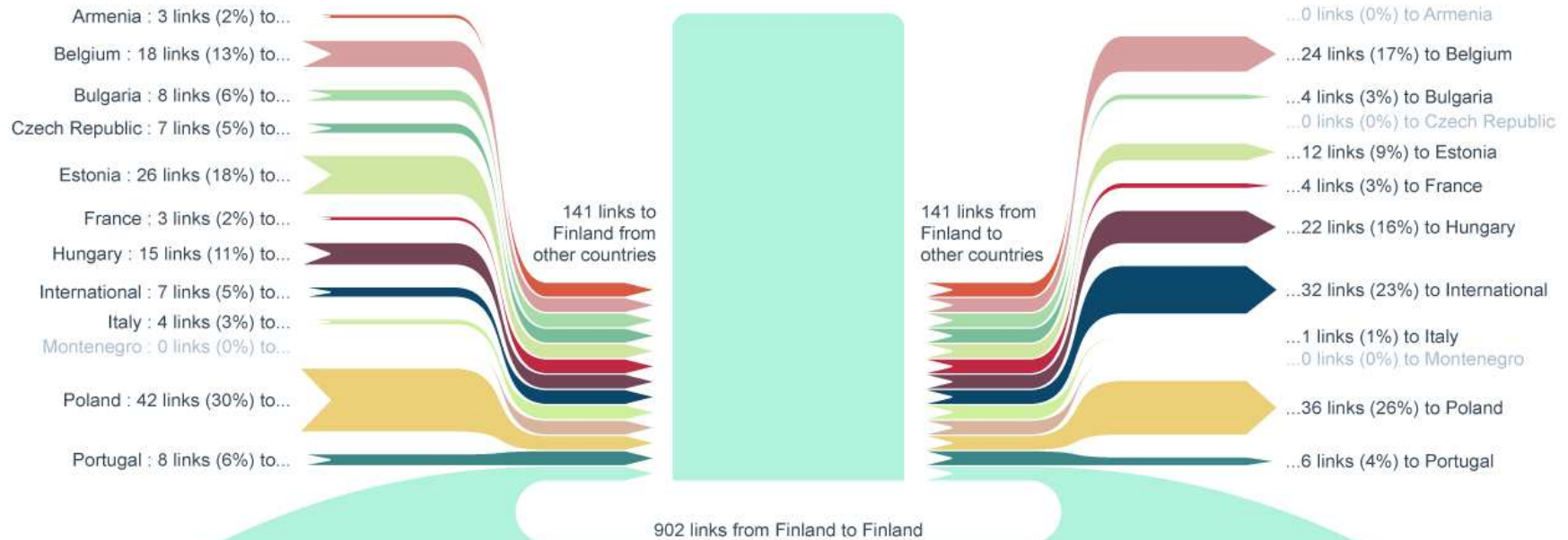
Results : Finland



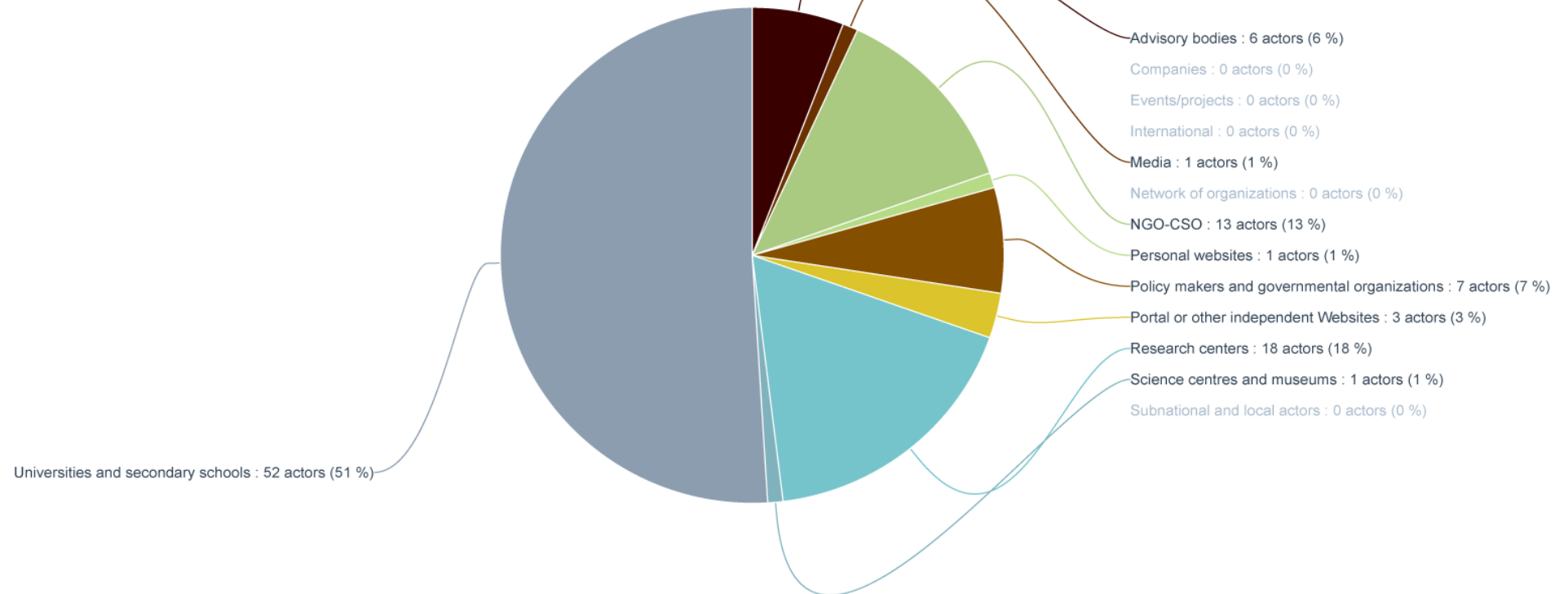
Very strong network where most of actors are science institutions, in particular Universities. Many links with other countries/tries

Finland

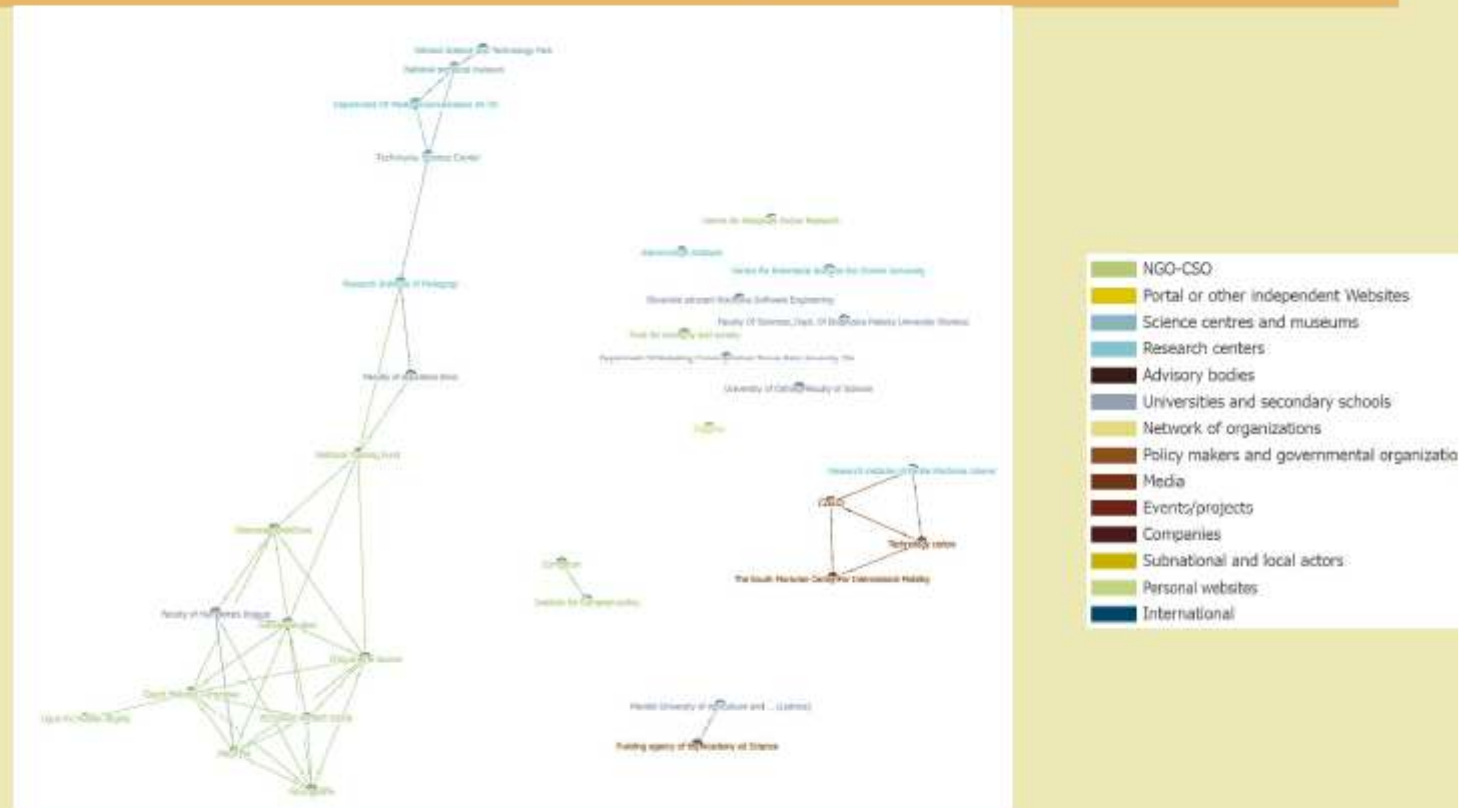
(102 actors)



Finland (102 actors)



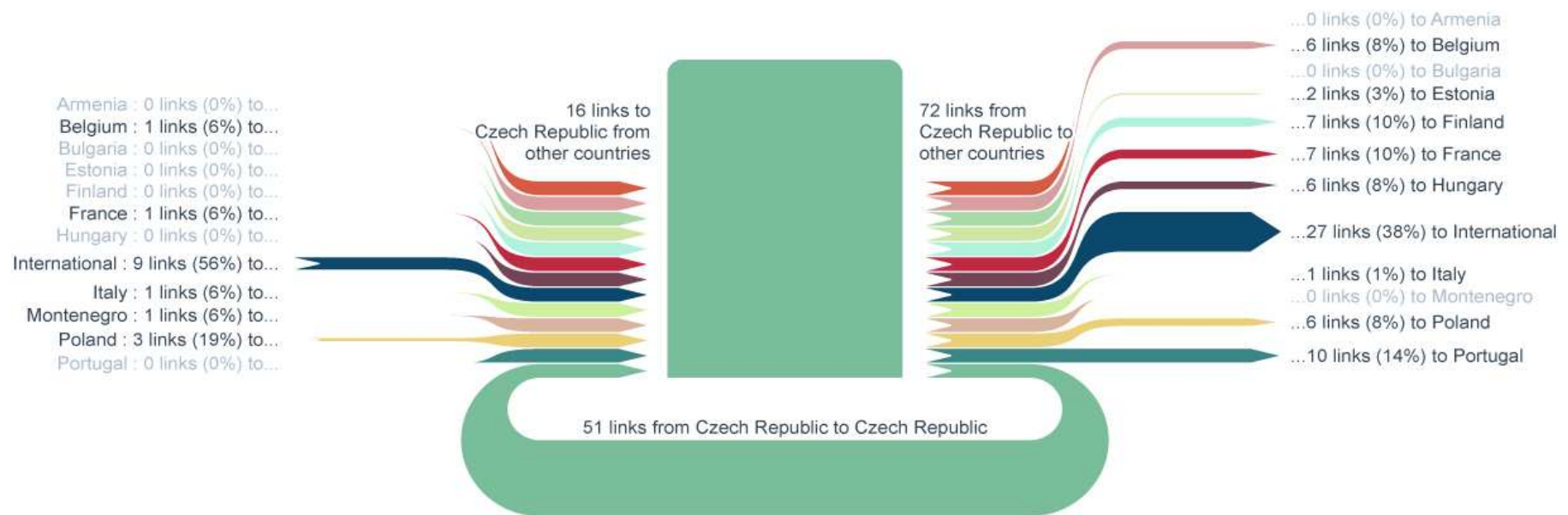
Results : Czech Republic



**Inconsistent network with many science institutions
counterbalanced by many NGO-CSOs
Few links with other countries**

Czech Republic

(70 actors)



Czech Republic

(70 actors)

