iCERi **2016**

SOCIAL REPRESENTATION FACED TO SCIENCE AND TECHNOLOGICAL DEVELOPMENT, ITS REGULATORY POLICIES AND IMPACT ON EDUCATION
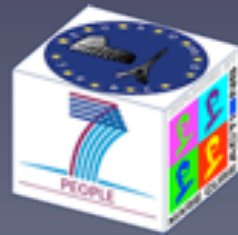
Ramazanova, A., de Rosa, A.S., Dryjanska, L., Latini, M.

European/International Joint Ph.D. on Social Representations and Communication

Research Centre and Multimedia Lab,
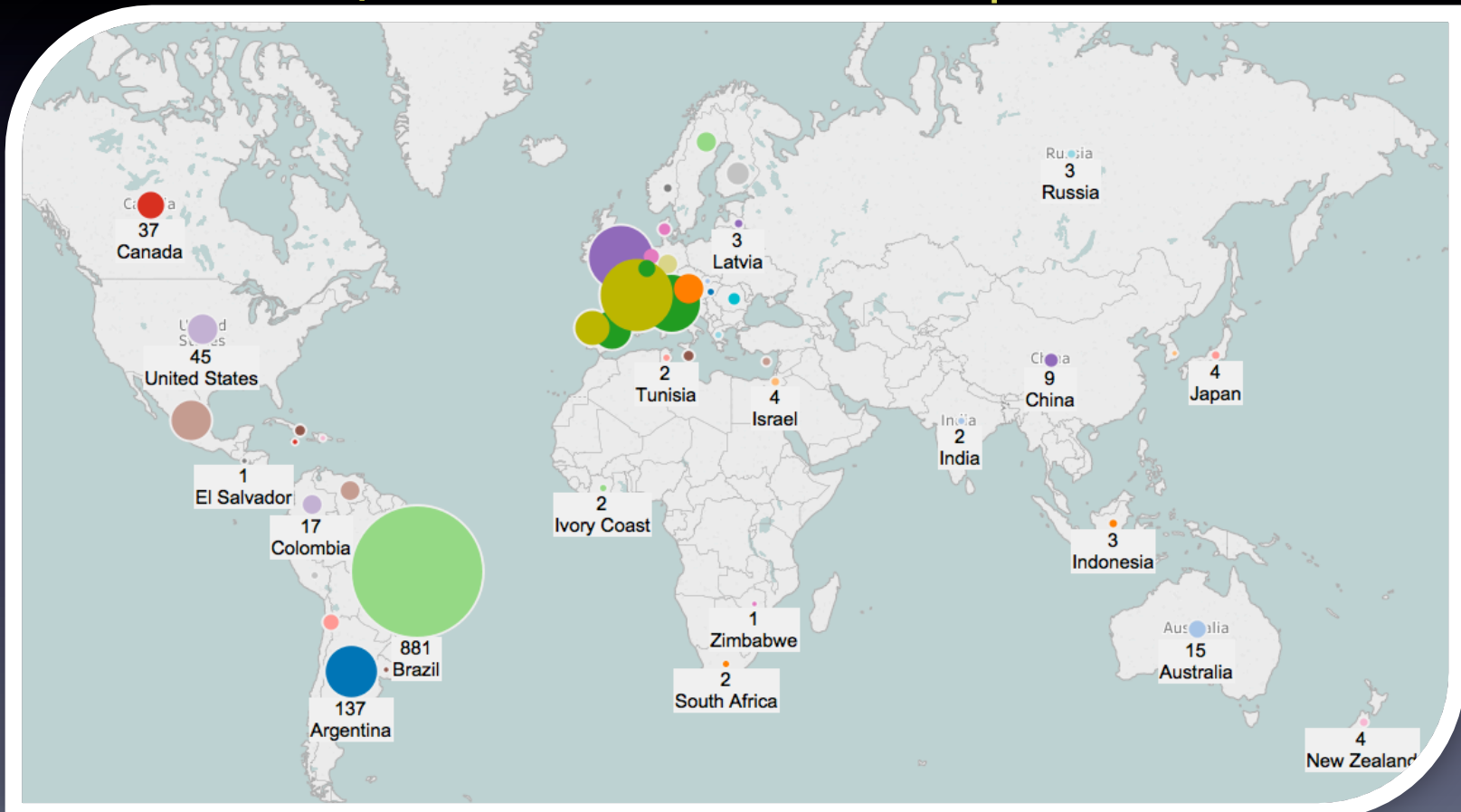
Sapienza University of Rome, ITALY

(**http://www.europhd.eu**)

European Ph.D

PEOPLE

The frequencies distribution of items specifically related to
Social representations and Communication
filed in the repositories of the SoReCom "A.S. de Rosa" @-Library
by the "Author's Institution Country" across the world

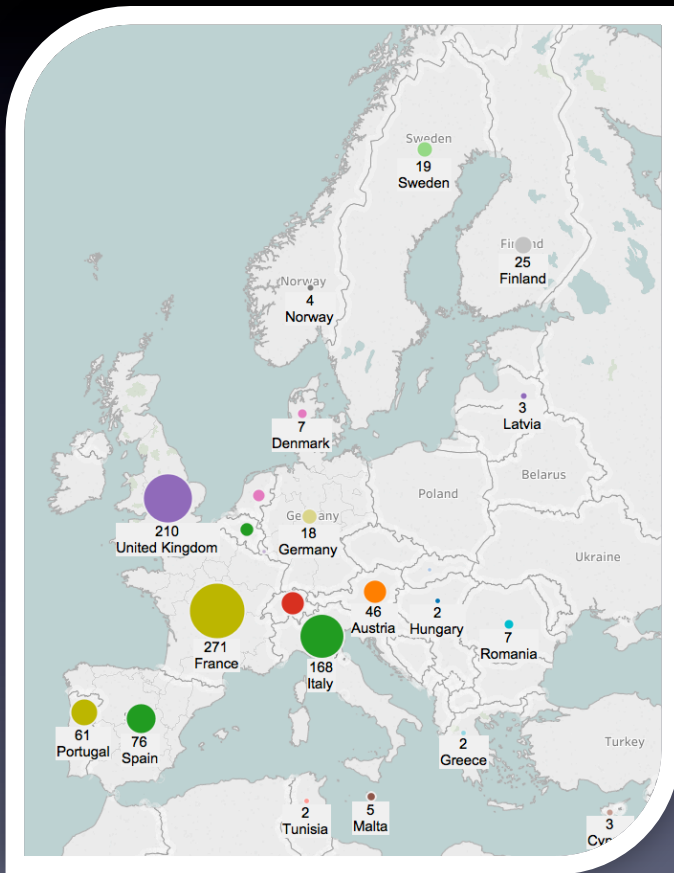# "Education, Science and Social Representations"

The frequencies distribution of items specifically related to
Social representations and Communication
filed in the repositories of the SoReCom "A.S. de Rosa" @-Library
by the "Author's Institution Country" in Europe and Latin America

"Education, Science and Social Representations"

The frequencies distribution of items specifically related to
Social representations and Communication
filed in the repositories of the SoReCom "A.S. de Rosa" @-Library
by the "Author's Institution Country" North America and Oceania

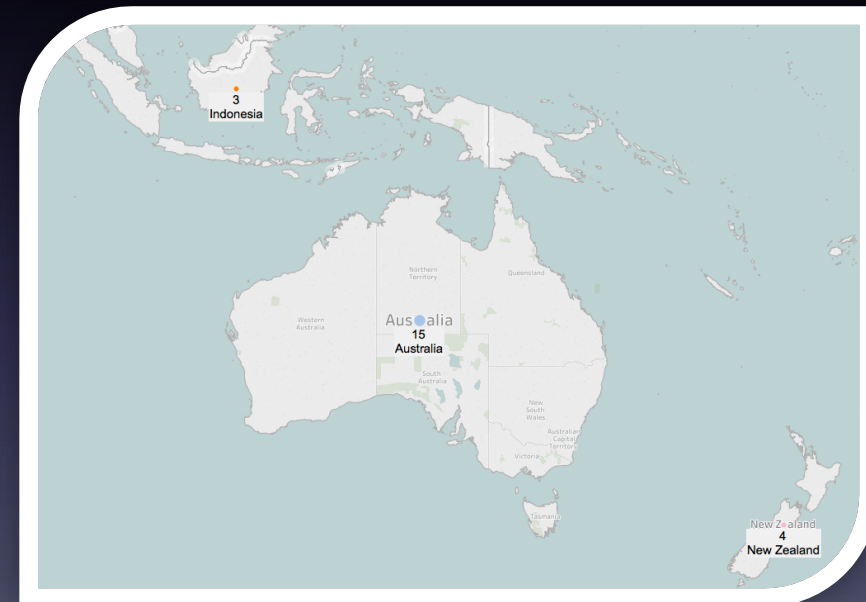# "Education, Science and Social Representations"

The frequencies distribution of items specifically related to
Social representations and Communication
filed in the repositories of the SoReCom "A.S. de Rosa" @-Library
by the "Author's Institution Country" in Asia and Africa

"Education, Science and Social Representations"

Selected RESULTS from "Education, Science and Social Representations"

SOURCES of IRAMUTEQ ANALYSIS:

- STRUCTURAL CORPUS = **655 TEXTS** on Social Representations

  (articles, books, books chapters, conferences presentations, manuscript, master theses, PhD thesis, other reports , stand alone web documents, university reports)

- ABSTRACTS AND KEYWORDS

```
Abstract
Number of texts : 655
Number of occurrences : 103310
Number of forms : 5531
Number of hapax : 1882 (1.82%of occurrences - 34.03% of forms)
Mean of occurrences by text : 157.73
```

Background of analysis
"Education, Science and Social Representations"

ANALYSIS CARRIED OUT BY IRAMUTEQ

DELETING:

- Not Recognised Forms

- Numbers

- Articles

```
Abstract
Number of texts : 655
Number of occurrences : 103310
Number of forms : 5531
Number of hapax : 1882 (1.82%of occurrences - 34.03% of forms)
Mean of occurrences by text : 157.73
```

Main Statistics of the DHC (Descending Hierarchical Cluster Analysis)

"Education, Science and Social Representations"

```
CHD  ×    Profiles    CA

+-+-+-+-+-+-+-+-+-+
|i|R|a|M|u|T|e|Q| - Thu Jul 14 11:59:27 2016
+-+-+-+-+-+-+-+-+-+

Number of texts: 655
Number of text segments: 3103
Number of forms: 7107
Number of occurrences: 103310
Number of lemmas: 5531
Number of active forms: 3149
Number of supplementary forms: 404
Number of active forms with a frequency >= 3: 1734
Mean of forms by segment: 33.293587
Number of clusters: 3
2682 segments classified on 3103 (86.43%)
```
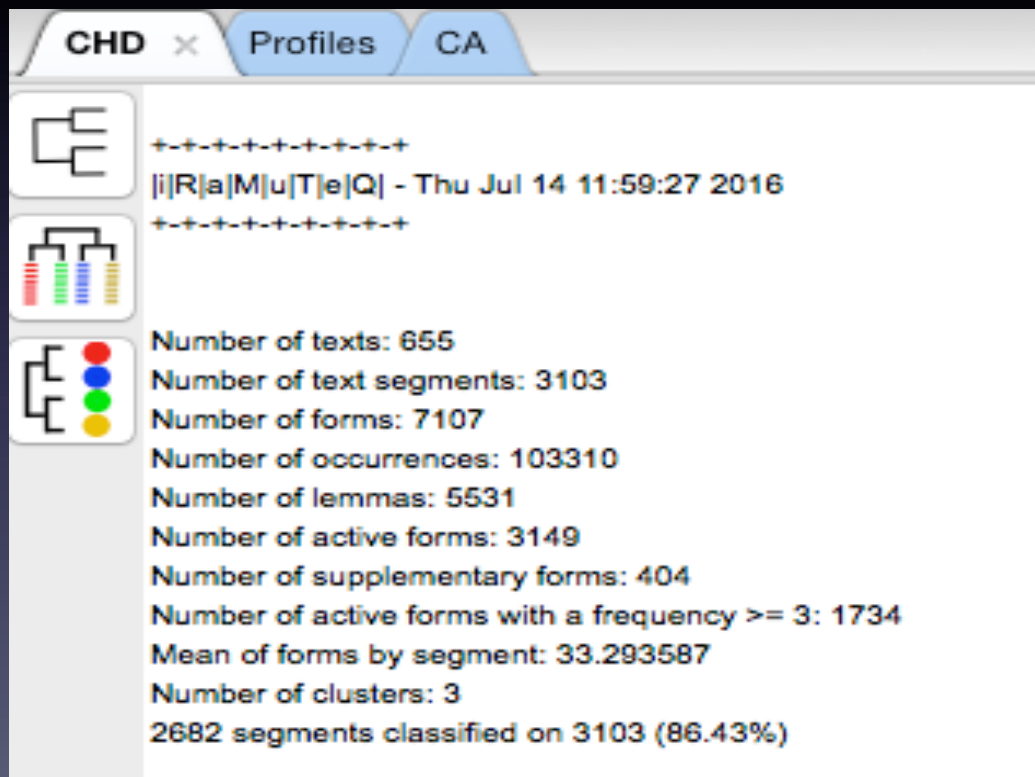
Zipf Diagram
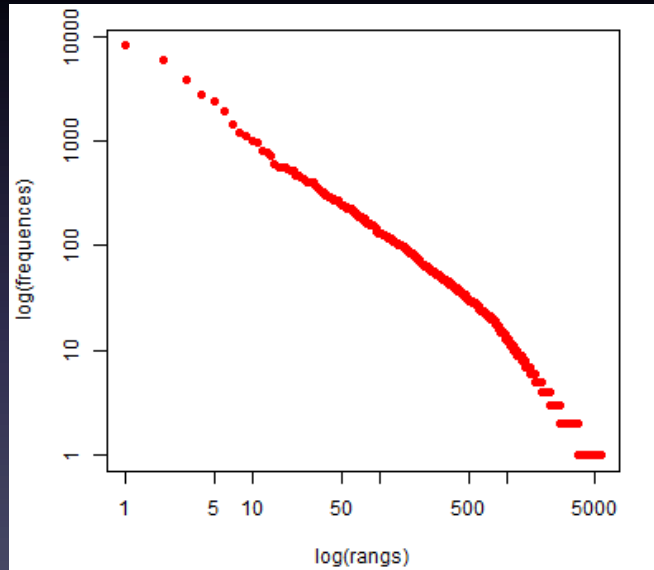
"Education, Science and Social Representations"

DHC Dendrogram

"Education, Science and Social Representations"

1. Education, professionalization, and their context and target/ actors
classe 1

2. Communication, science and system of knowledge transmission
classe 2

3. Social representations and common-sense knowledge: the raw of social psychology
classe 3

66.7 %

26.4 %

6.9 %

| student	medium	raw
teacher	communication	defend
school	science	justify
education	public	interest
child	biotechnology	material
professional	technology	propose
subject	mass	researcher
teach	press	knowledge
university	author	population
result	food	behavior
learn	diffusion	object
practice	coverage	common
representation	news	sense
parent	chapter	neurotic
gender	attention	traumatize
level	sociology	precede
objective	psychoanalysis	guy
fact	resistance	clue
questionnaire	draw	criticize
analyze	radio	assert
family	ordinary	revolution
intelligence	pus	appropriation
group	propaganda	path
being	emergence	investigate
individual	combine	classify
high	newspaper	lie
health	propagation	
represent	journalism	
role	survey	
dimension	rise	

Word clouds for each class

"Education, Science and Social Representations"

3. Social representations and common-sense knowledge: the raw of social psychology
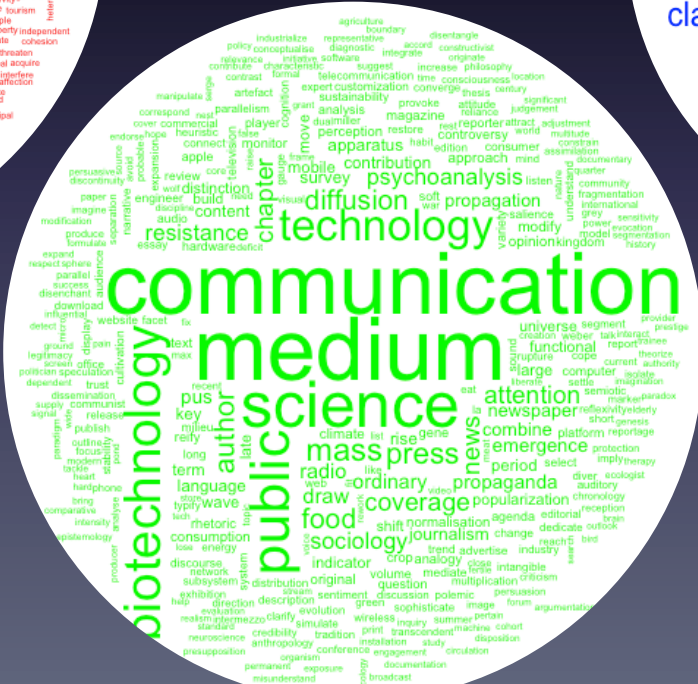
1. Education, professionalizati on, and their context and target/actors

2. Communication, science and system of knowledge production and transmission
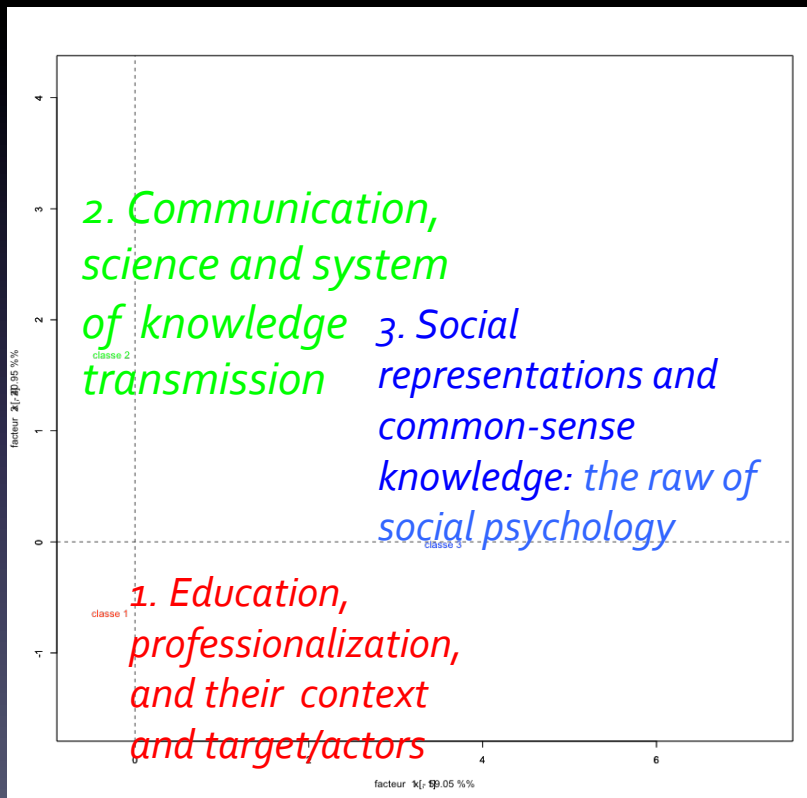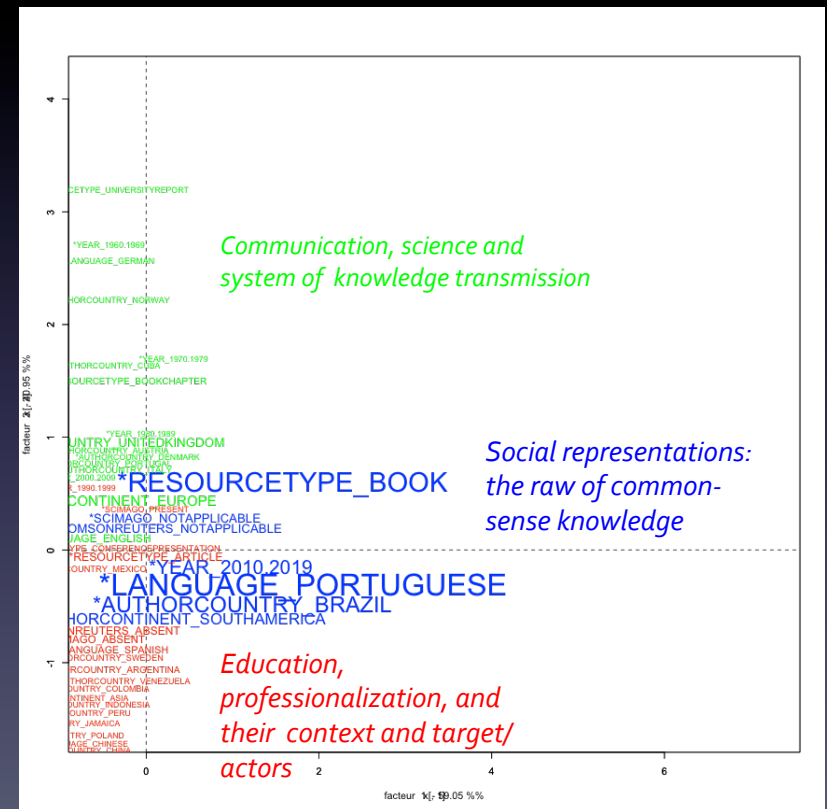
Correspondence factorial analysis

"Education, Science and Social Representations"

Classes' distribution

Illustrative variables

Interpretation of cluster

"Education, Science and Social Representations"

Cluster 1:

The **cluster 1** interpreted as **Education, Professionalization and their contexts and target/actors** refers to:

- the different levels and **institutional contexts for knowledge socialization** (*school, university, family*) and target/ actors (*child, student, teacher, parent*) of education,

- also as **professionalization** (*professional, practice, learn*) especially in the sector of *health.*

Interpretation of cluster

"Education, Science and Social Representations"

Cluster 1: Education, Professionalization and their contexts and target/actors

The significant positioning on the cluster 1 of the illustrative variables, shows:

- the dissemination of the Social Representations theory in *Latin America* and the specific interest for the area of Education by authors from *Argentina, Mexico, Venezuela, Colombia*, and in some cases also by European authors form Sweden, Spain and France and from Asia.
- The resource type is especially based on articles (in some cases also present in the bibliometric data bases *Scimago-Scopus and Thompson & Reuters) and Conference presentations*
- *in Spanish and French* as *language of publication*
- *over two decades 1990-1999* and *2000-2009.*

Interpretation of cluster

"Education, Science and Social Representations"

Funded by the European Union

Cluster 2: Communication, Science and System of Knowledge Production and Transmission

The **Cluster 2** is focused on **science communication ,** starting from the seminal work on *psychoanalysis* to the more recent studies on the public understanding of the science and *technology like in biotechnology, biogenetic modified foods, impact with new technologies.*

Fundamental is for the semantic organisation of the cluster the interest for *the system of knowledge production (survey, chapter, author, sociology) and transmission involving medium (mass media, press, news, radio, newspaper, journalism)* addressed to the *public* and stimulating **several processes** (*emergence, attention, coverage, resistance) and the* **three canonical system of communication** (*diffusion, propagation, propaganda*).

Grant Agreement PITN-GA-2013-607279 - So.Re.Com. Joint-IDP

Cluster 2: Communication, Science and System of Knowledge Production and Transmission

The significant positioning on the cluster 2 of the illustrative variables, shows:

- that communication and the dynamic of expert knowledge and common sense (as core interest of the Social Representations theory) is significantly related to literature produced in Europe in particular by authors from *United Kingdom, Italy, Portugal, Germany, Norway, Austria, Denmark,* but also authors from *Cuba*.

- Resource type refer mainly to Book chapter, Books, and

- Publications in some case included in the bibliometric data base Thompson & Reuter-WoS, beside University Report.

- It is interesting to note that the years of publication for this cluster cover transversally all four decades since the 1960-1969, 1970-1979, 1980-1989 until 2000-2009 with the unique exception of the last one since 2010.

Conclusive remarks

"Education, Science and Social Representations"

These preliminary results are interesting in detecting the evident geo-cultural impact that concurs to the convergence of research interest and the agenda of the publications by the academics working in the field of social representations, sensitive to the societal issues, like education and science