

Some research questions to frame a European Union (EU) overview of LIS research

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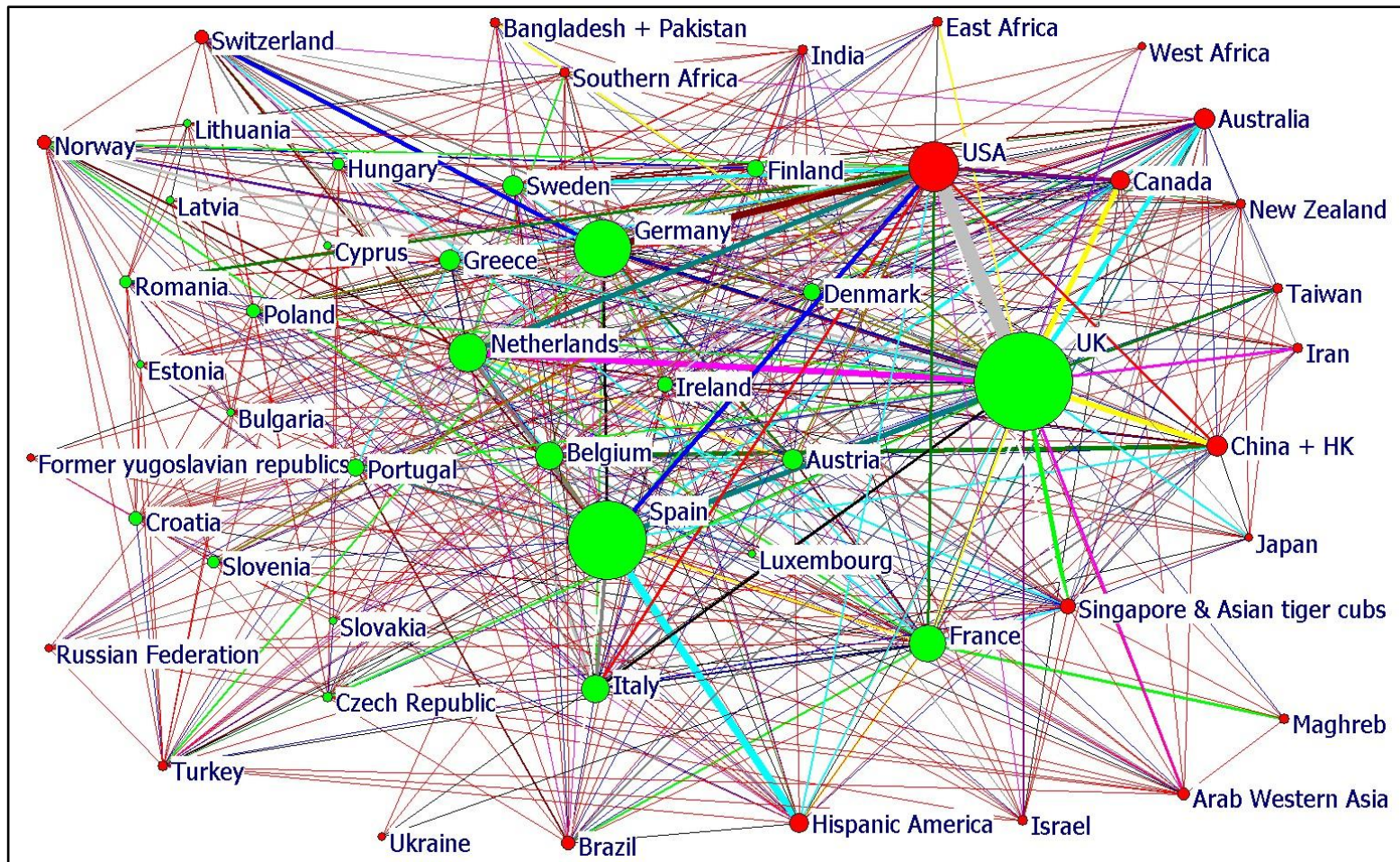
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Documentació

Outline

1. Introduction
2. EU overview on LIS research (1990-2014 & 2010-2014)
 - I. Production
 - II. Collaboration
3. Questions to frame the overview
 - How to delimit the LIS research field?
 - How to define research?
 - How to assess the research agendas?
4. Looking ahead: Will we keep living apart together?
 - How to overcome the isolation of LIS researchers?

What does the EU map of LIS research look like?



2. EU overview on LIS research (1990/2010-2014):

I. Production, II. Collaboration,

- An exploratory bibliometrical approach centred on the 28 EU countries.
- 29,337 bibliographic records (8,732 of which are from the EU countries) taken from a selection of 151 titles (mostly journals, but also some proceedings) indexed in Scopus between 2010-2014 within the category of LIS. We worked also with 15 core titles for the trend analysis of 1990-2014.
- For the 2010-2014 analysis we excluded titles that were also present in other thematic categories of Scopus and whose citing profile is very distant from the pattern observed for the total of 210 titles indexed in LIS category. An exception was made for journals on archives and document management.
- All papers presented at the Spanish Conference on Documentation (1984-2013) were analysed for the presence and level of collaboration among authors from academia and those working as professionals in the field.

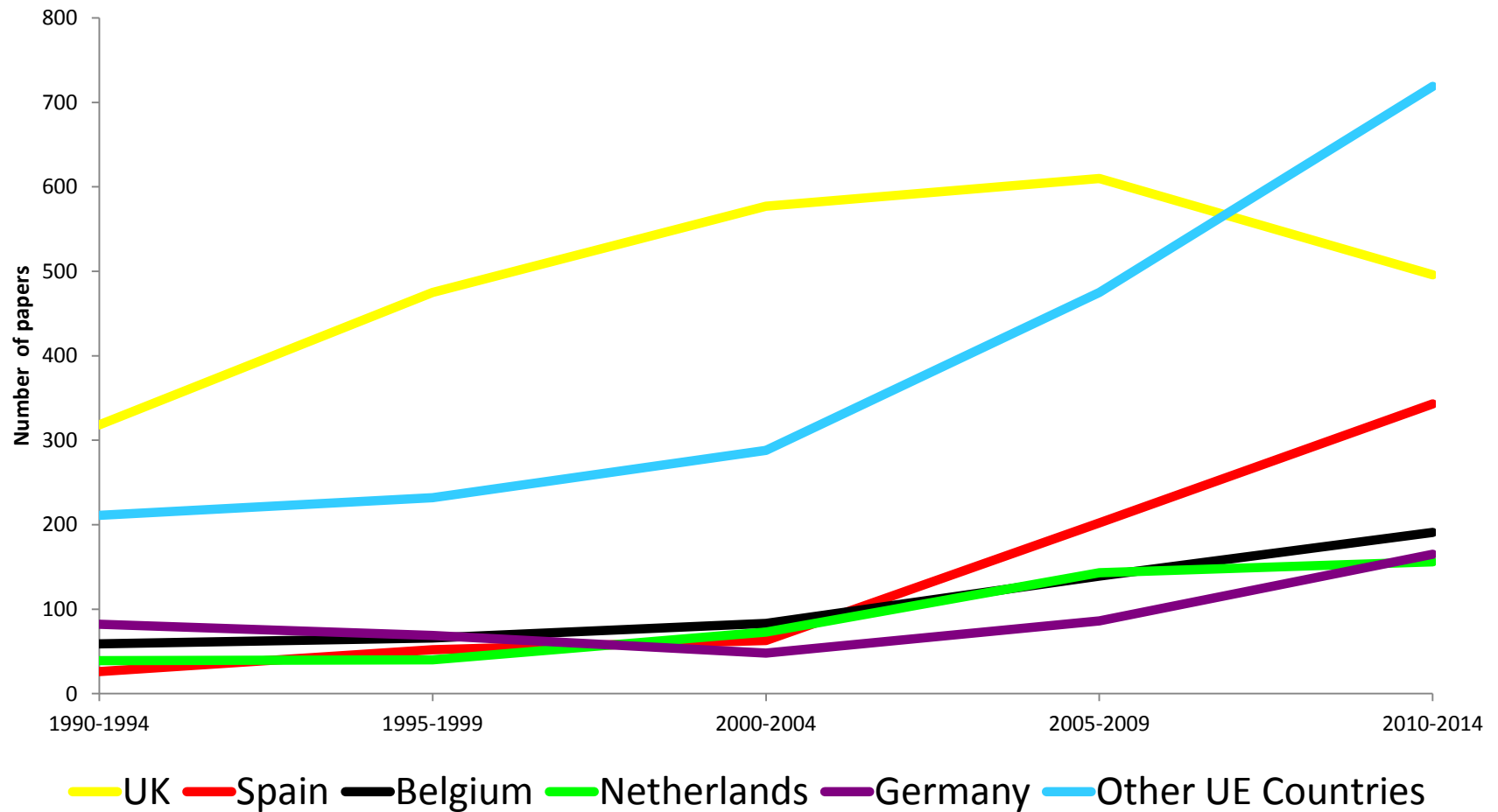
2. EU overview on LIS research (1990/2010-2014):

I. Production, II. Collaboration,

Journals (151) selected on the basis of citation profile correlation for the period 2010-2014	Pearson Coef.	Representative core journals selected (15) for the period 1990-2014
Aslib Journal of Information Management	0,78	Aslib Journal of Information Management
Library and Information Science Research	0,73	Electronic Library
Library Review	0,73	Information Processing & Management
Journal of Librarianship and Information Science	0,70	Information Technology and Libraries
International Information and Library Review	0,70	Interlending & Document Supply
Journal of Academic Librarianship	0,68	JASIST
Proceedings of the ASIST Annual Meeting	0,67	Journal of Academic Librarianship
Journal of Educational Media and Library Science	0,66	Journal of Documentation
Information-Wissenschaft und Praxis	0,66	Journal of Information Science
Webology	0,66	Journal of Librarianship and Information Science
Canadian Journal of Information and Library Science	0,65	Library & Information Science Research
Information Research	0,64	Library Journal
Library Trends	0,64	Library Trends
Journal of Documentation	0,61	Libri
Library Hi Tech	0,61	Scientometrics
Up to 151 titles	> 0,08	

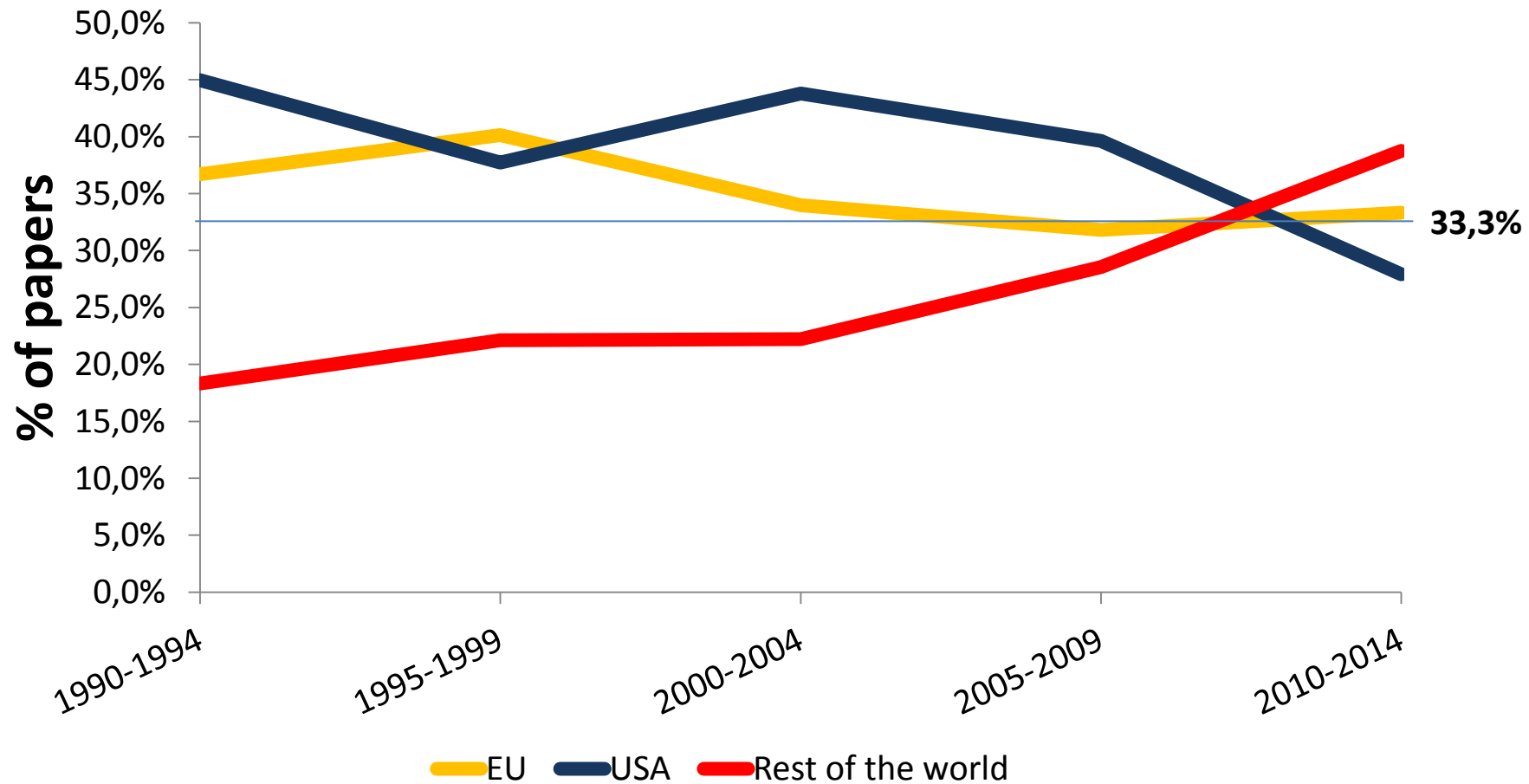
I. Production

Papers: trends in total LIS output for EU countries
(1990-2014: 15 core journals)



I. Production

Papers: trends in the world share of LIS papers
(1990-2014: 15 core journals)



I. Production

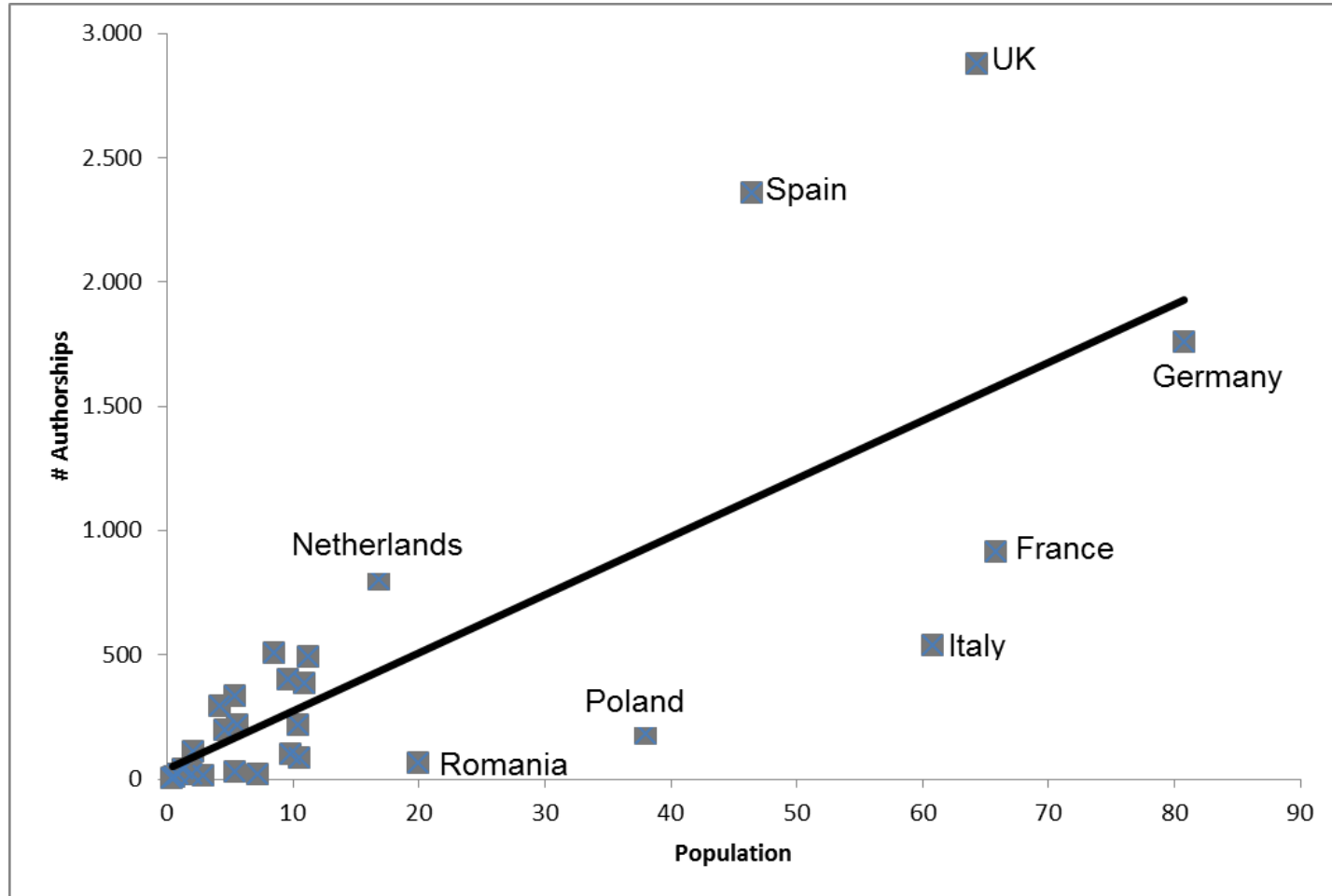
Authorship: share by EU countries VS USA and rest of world
(2010-2014)

		World share
EU	12.957	30,1%
UK	2.876	6,7%
Spain	2.358	5,5%
Germany	1.756	4,1%
France	914	2,1%
Netherlands	800	1,9%
Italy	539	1,3%
Austria	505	1,2%
Belgium	491	1,1%
Sweden	400	0,9%
Greece	385	0,9%
Finland	333	0,8%
Croatia	294	0,7%
Denmark	215	0,5%
Portugal	215	0,5%

Ireland	194	0,5%
Poland	182	0,4%
Slovenia	110	0,3%
Hungary	99	0,2%
Czech Republic	86	0,2%
Romania	65	0,2%
Estonia	36	0,1%
Slovakia	29	0,1%
Bulgaria	20	0,0%
Cyprus	16	0,0%
Latvia	16	0,0%
Lithuania	12	0,0%
Luxembourg	10	0,0%
Malta	1	0,0%
Rest of the world	30.039	69,9%
USA	15.089	35,1%
Total	42.996	100,0%

I. Production

Authorship VS country population (2010-2014)

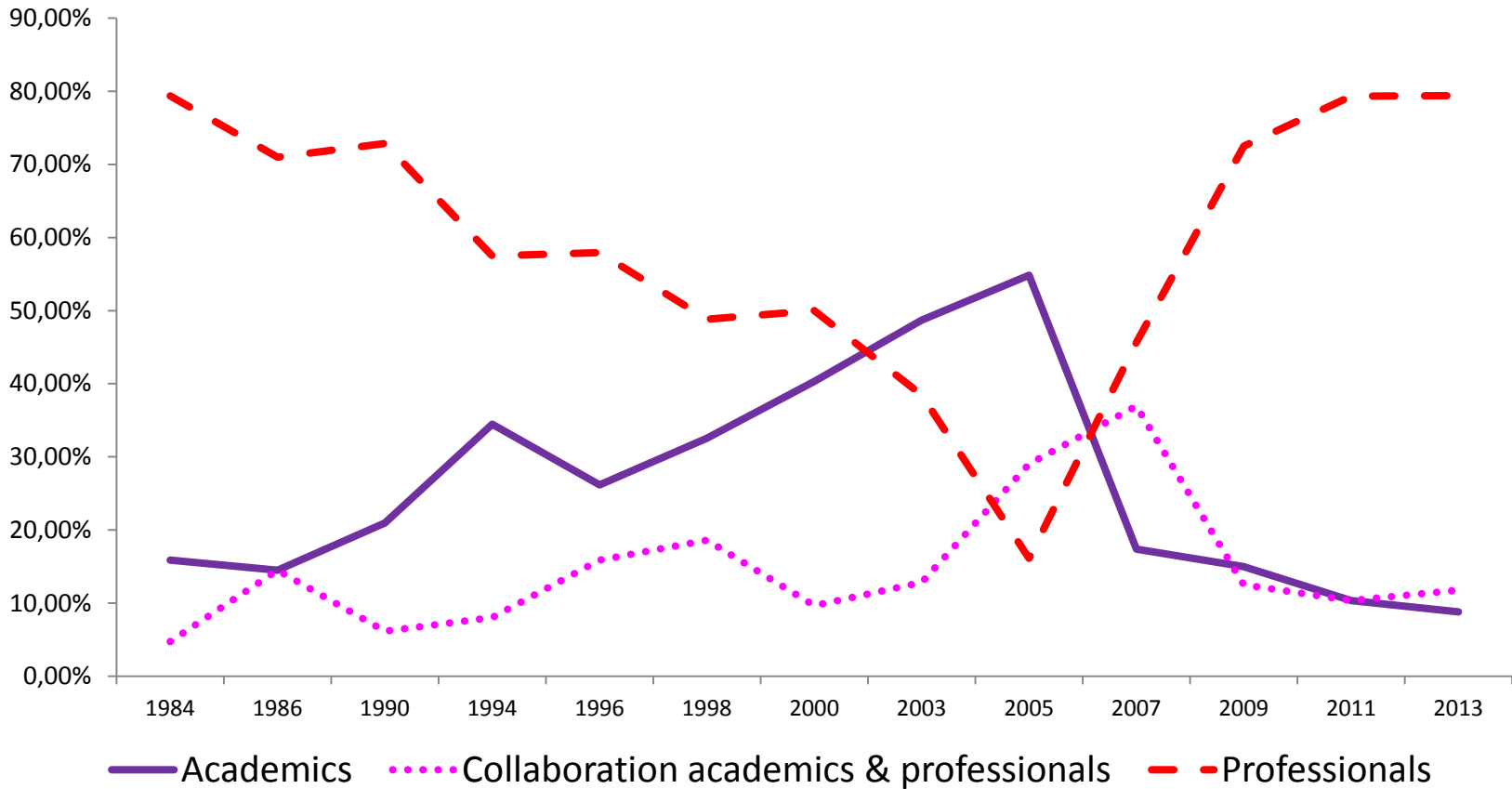


$R^2 = 0,5796$

I. Production

Spain: desertion of academics from national professional conferences?

(share of papers in *Jornadas Españolas de Documentación*, 1984-2013)



I. Production

Sources: top 10 titles with the greatest number of EU papers (2010-2014)

	ON EACH GEOGRAPHIC AREA				ON EACH JOURNAL	
	EU papers	% total EU papers	EU Rank	USA Rank	% from EU	% from USA
Scientometrics	707	8,1%	1	8	28,8%	12,2%
Americas Conference on information Systems	632	7,2%	2	1	22,2%	48,3%
JASIST	384	4,4%	3	3	25,5%	36,4%
Profesional de la Información	365	4,2%	4	122	84,5%	1,6%
Intelligent Systems Reference Library *	265	3,0%	5	24	33,2%	20,3%
VOEB-Mitteilungen	202	2,3%	6	145	97,6%	0,0%
Zeitschrift fur Bibliothekswesen und Bibliographie	200	2,3%	7	141	95,2%	0,5%
Information-Wissenschaft und Praxis	176	2,0%	8	135	96,2%	1,1%
International Journal of Information Management	174	2,0%	9	49	28,7%	15,7%
Information Communication and Society	161	1,8%	10	13	30,3%	44,4%

I. Production

Sources: top 10 titles with fewest EU papers (2010-2014)

	ON EACH GEOGRAPHIC AREA				ON EACH JOURNAL	
	EU papers	% EU papers	EU Rank	USA Rank	% from EU	% from USA
Journal of Interlibrary Loan, Document Delivery and Electronic Reserve	1	0,0%	134	40	0,8%	88,4%
Journal of Library and Information Services in Distance Learning	1	0,0%	134	51	0,9%	85,3%
Journal of Web Librarianship	1	0,0%	134	23	0,6%	96,4%
Library Resources and Technical Services	1	0,0%	134	49	1,0%	92,2%
Libres	1	0,0%	134	103	2,5%	52,5%
Pakistan Journal of Library and Information Science	1	0,0%	134	130	2,1%	6,4%
Reference Librarian	1	0,0%	134	16	0,5%	93,6%
School Library Media Research	1	0,0%	134	61	1,3%	89,6%
Science and Technology Libraries	1	0,0%	134	28	0,6%	87,0%
Technical Services Quarterly	1	0,0%	134	17	0,5%	94,7%

I. Production

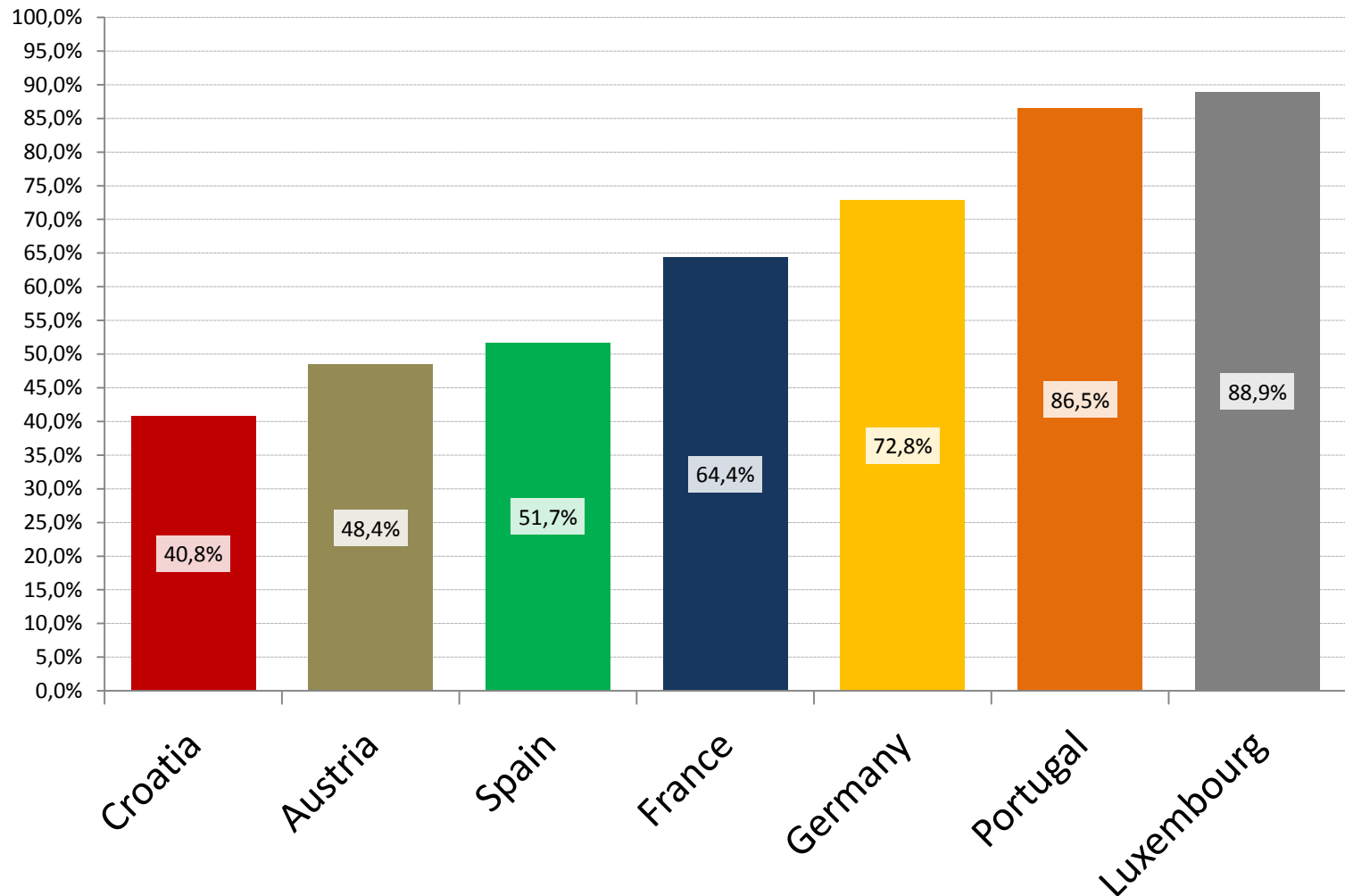
Sources: share for the 3 top titles in principal countries
(2010-2014)

Country	1st Source	% authorships	cumulative % of authorships for 3 top sources	# total sources
Austria	VOEB-Mitteilungen	47,9%	58,7%	47
Belgium	Scientometrics*	31,7%	49,7%	59
France	Documentaliste: Sciences de l'Information	20,5%	40,0%	76
Germany	Americas Conference on information Systems	26,1%	52,0%	88
Italy	Scientometrics*	19,4%	33,0%	74
Netherlands	Scientometrics*	14,8%	33,8%	72
Spain	Profesional de la Información	22,0%	42,4%	88
Sweden	Americas Conference on information Systems	11,0%	27,5%	64
UK	International Journal of Information Management	4,5%	13,5%	125

* Scientometrics appears among the 3 top sources for 21 of the 28 countries

I. Production

Language: countries with less than 95% of papers in English and influence of “national language” journals (2010-2014)



I. Production

Subjects reflected in keywords: Do they represent the research agenda? (2010-2014)



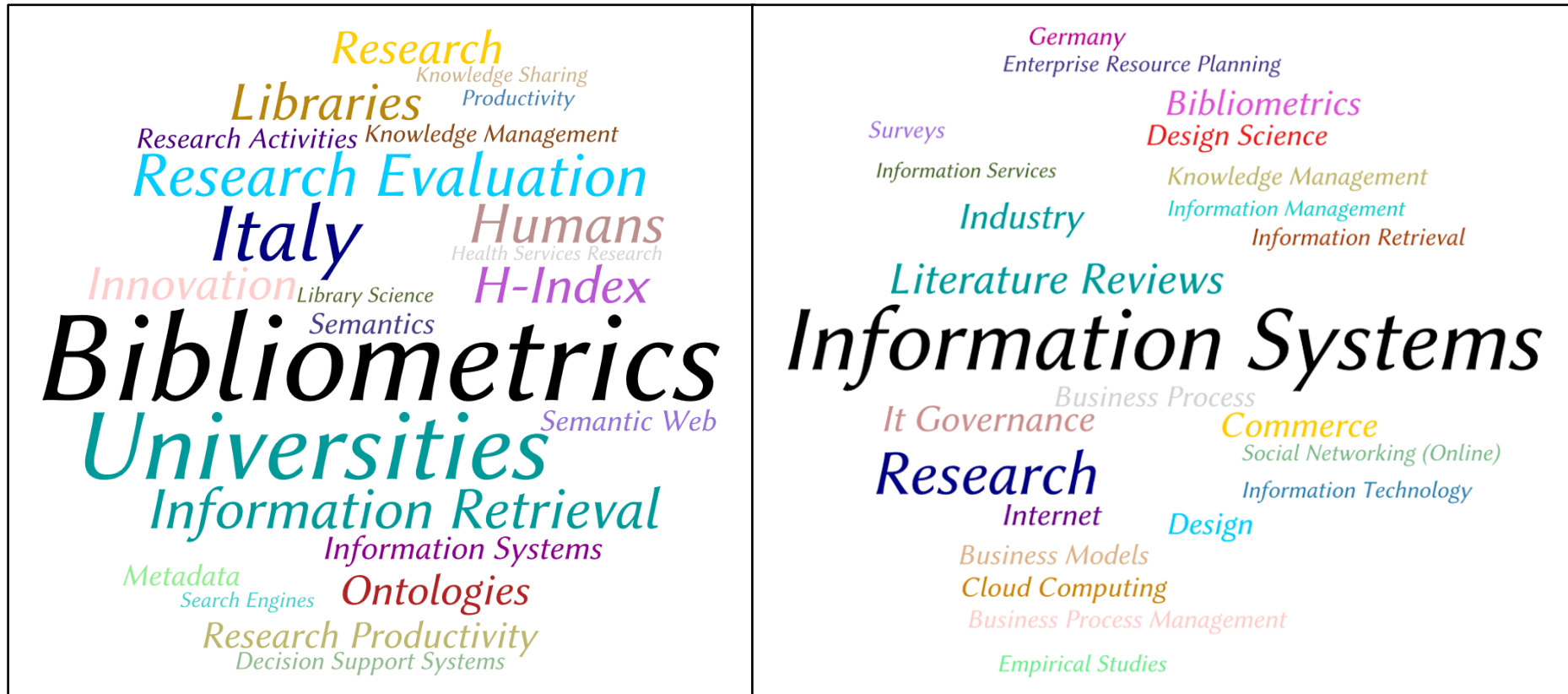
I. Production

Subjects reflected in keywords: Are there different national research agendas? [Spain VS UK] (2010-2014)



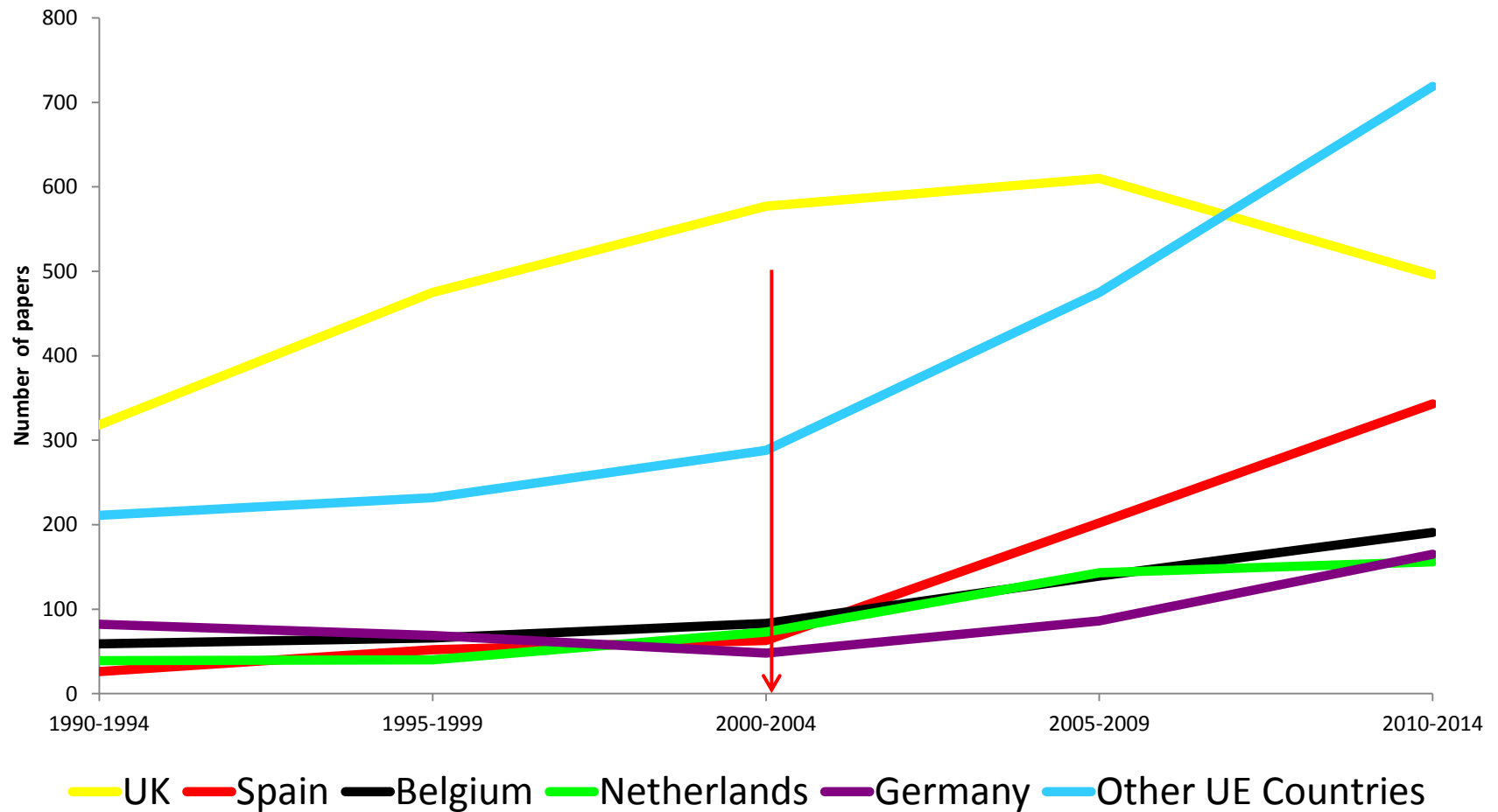
I. Production

Subjects reflected in keywords: Are there different national research agendas? [Italy VS Germany] (2010-2014)



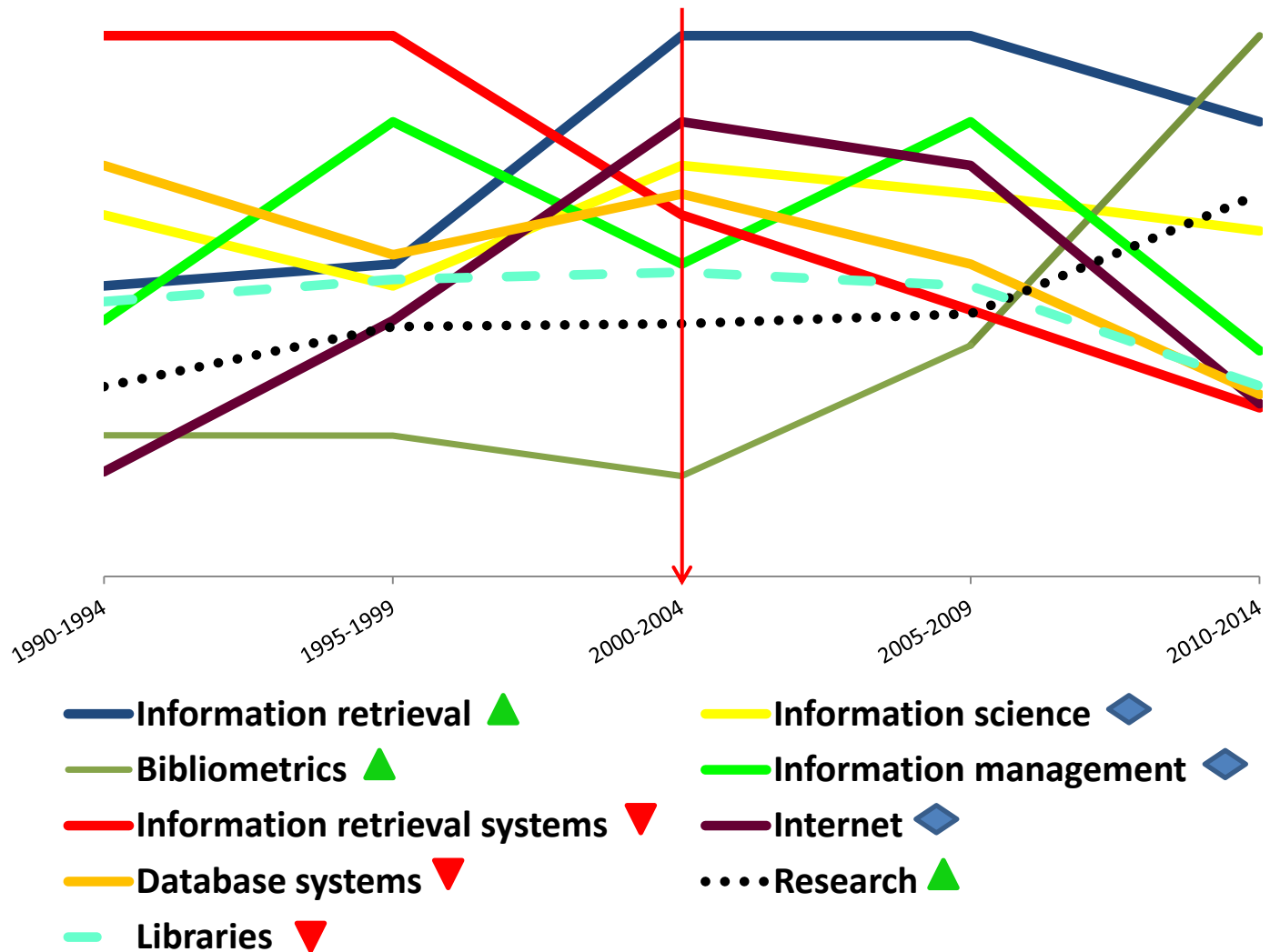
I. Production

Coupling the inflection point of production with subjects trends
(1990-2014: 15 core journals)



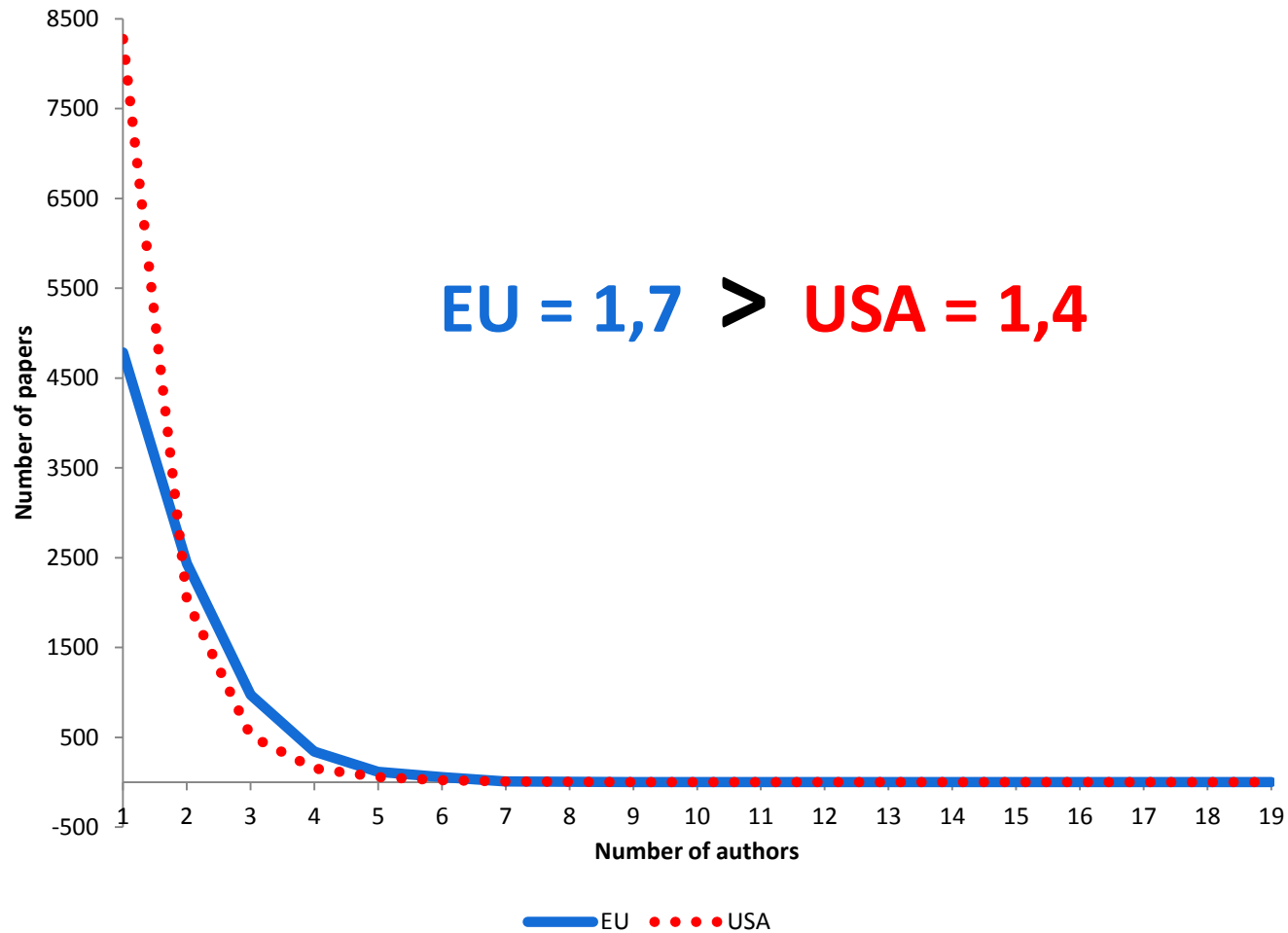
I. Production

Subjects reflected in keywords (1990-2014: 15 core journals)



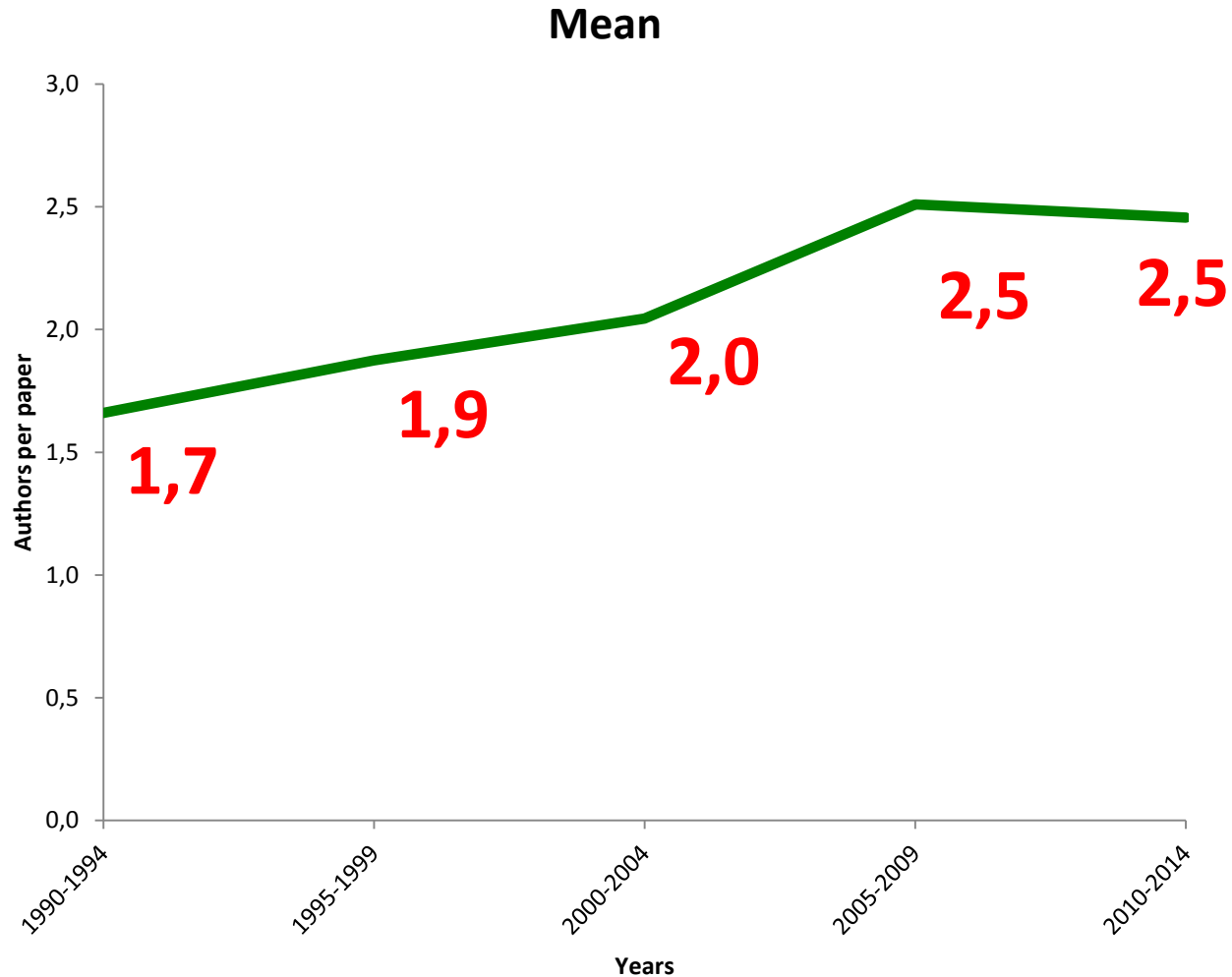
II. Collaboration

Authors per paper (2010-2014)



II. Collaboration

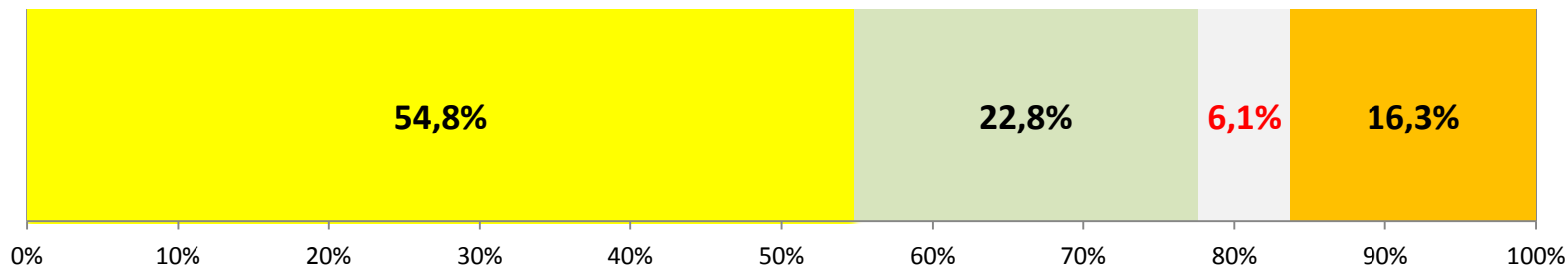
Authors per paper (trend 1990-2014 for 15 core journals)



II. Collaboration

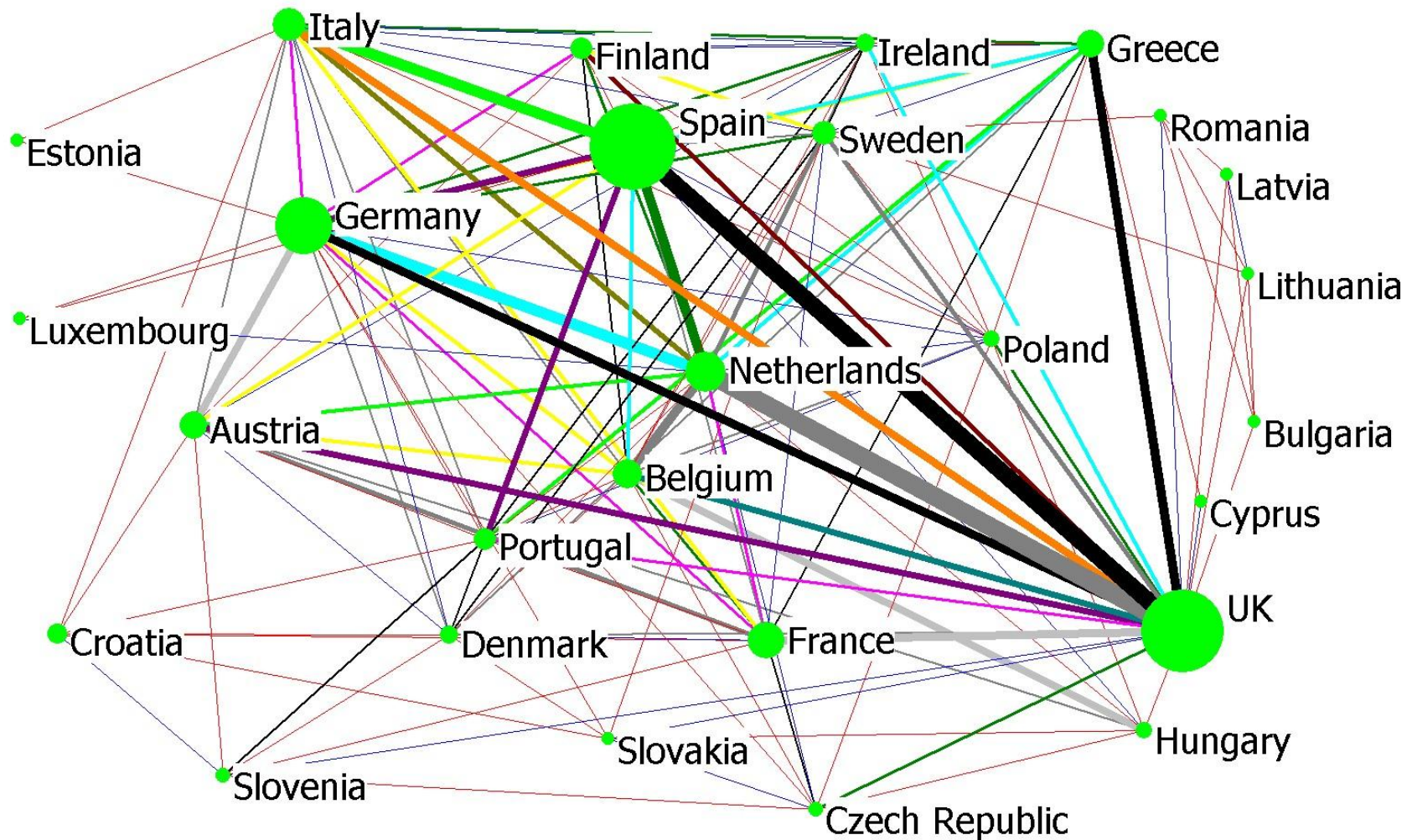
Geographical reach: national, intra-EU, and abroad (2010-2014)

Type of collaboration	# papers	% papers
Without collaboration	4786	54,8%
Intra-national collaboration	1991	22,8%
International collaboration within the EU	533	6,1%
International cooperation with countries outside EU	1422	16,3%
	8732	100%



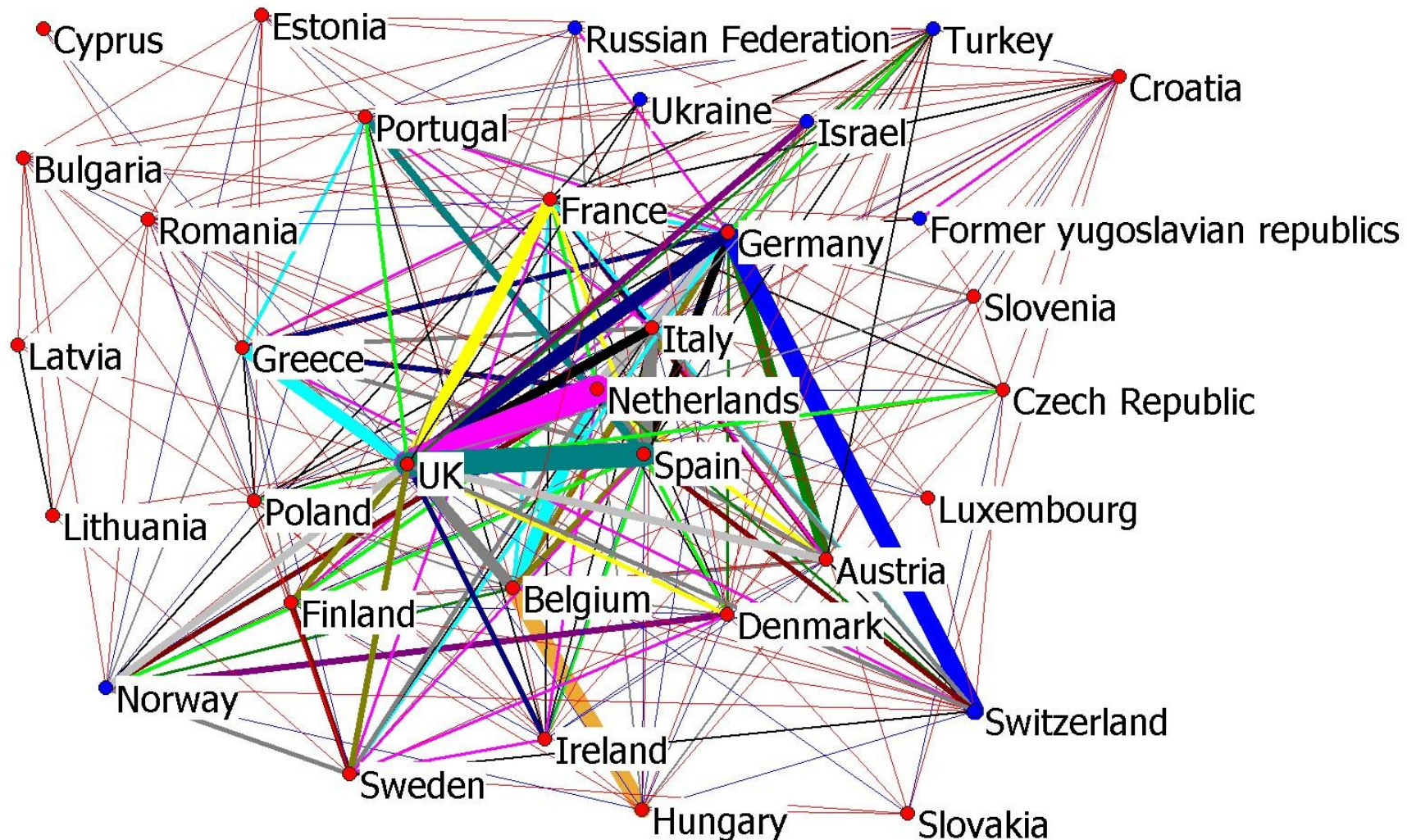
II. Collaboration

Intra-EU network (2010-2014)



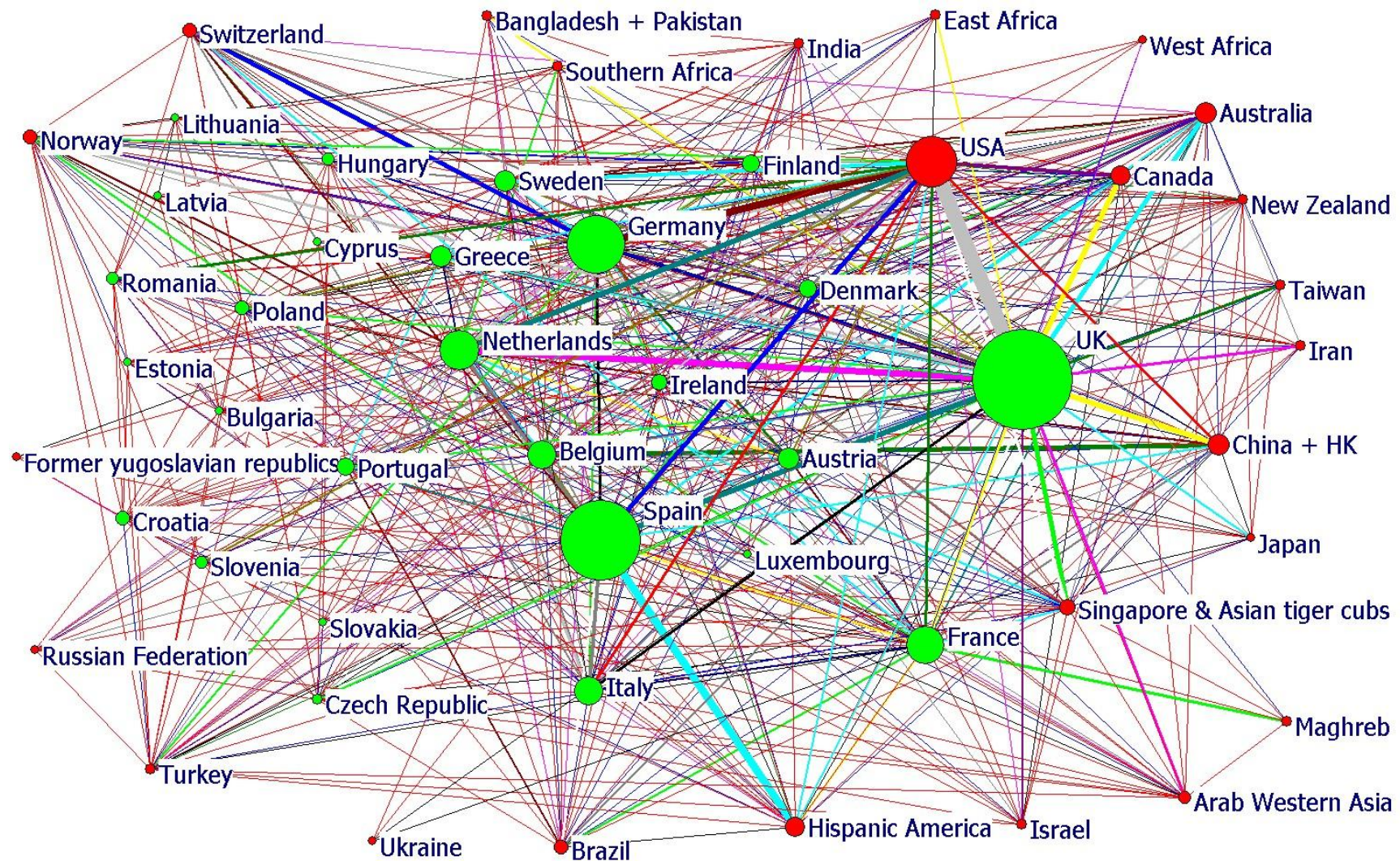
II. Collaboration

Europe (EU & non-EU) network (2010-2014)



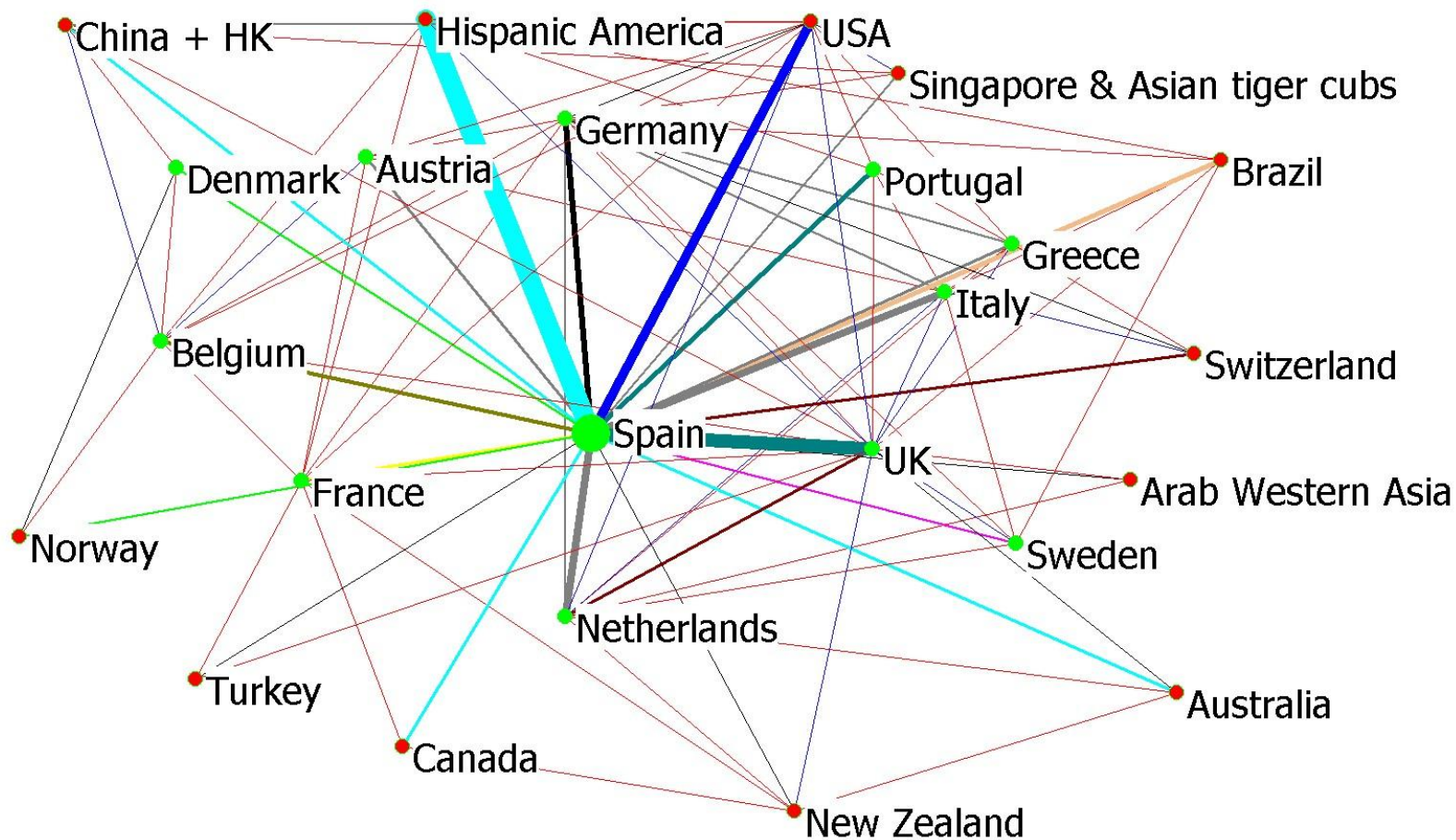
II. Collaboration

Global network for EU co-authorships (2010-2014)



II. Collaboration

Global network for Spain (2010-2014)



3. Questions to frame the overview

- a) How to delimit the LIS field of research?
- b) How to define research?
- c) How to assess the research agendas?

a) How to delimit the LIS field of research?

LIS research subjects >

> LIS publications >

> LIS departments/institutions

Spink, A., & Heinström, J. (2012)



The field of LIS is currently developing and redefining its core worldwide. Information is an intrinsic part of the human condition where information behaviour is embedded within everyday social and life processes. Information management and techniques are likewise critical to development however, the LIS field has a declining hold on the research and teaching area related to the phenomenon of information.

b) How to define research?

Looking for a canonical definition

Shera, J. (1964)

*Library
Trends*

Research Methods in Librarianship

GUY GARRISON
Guest Editor

July, 1964

Described in terms of its sequential acts, research is an intellectual process whereby a problem is perceived, divided into its constituent elements, and analyzed in the light of certain basic assumptions; valid and relevant data are collected; hypotheses (if any) are through objective testing, rejected, amended, or proved. The generalizable results of this process qualify as principles, laws, or truths that contribute to man's understanding of himself, his works, or his environment. Stated another way, research is the systematic attempt to discover new facts or sets of facts, or new relationships among facts, through the formulation of a preliminary explanation or hypothesis which is subjected to an appropriate investigation for validation or disproof.

c) How to assess the research agendas?

If it's the case: few LIS agendas are public or well planned/funded

Academic	Public	Special
1.8 Scholarly communication	1.4 Changing roles of libraries	2.4 Digital resources management
2.3 Digital media in research	3.9 Children and libraries	2.6 Preservation of information resources
3.7 Impact of the library programmes on learning	3.3 Marketing library and information services	7.6 Impact of digitisation projects
6.5 Librarian and education	3.5 Impact of the reading promotion	7.7 Business & industry information needs
7.6 Impact of digitisation projects	5.12 Evaluation of library work	2.3 Digital media in research
5.12 Evaluation of library work	3.7 Impact of the library programmes on learning	3.3 Marketing library and information services
1.5 Economic significance of libraries	3.1 Implication of user studies	7.8 Impact of digital services
2.4 Digital resources management	7.1 Strategic development of new services	5.2 Strategic planning in libraries
3.8 Guidelines for information literacy progr.	3.2 Library as a creative space	4.1 Developing search/retrieval systems
7.2 Libraries in education	7.2 Libraries in education	1.8 Scholarly communication

Research areas of future significance (example of 3 sectors) in:
Maceviciute, E., Wilson, T., Laloo, I., & Lindh, M. (2009).

c) How to assess the research agendas?

We should look beneath the surface of calls like the EU Horizon 2020

The screenshot displays the European Commission Research & Innovation Participant Portal. The header includes the European Commission logo and the text 'RESEARCH & INNOVATION Participant Portal'. Below the header, a navigation bar contains links: HOME, FUNDING OPPORTUNITIES, HOW TO PARTICIPATE, EXPERTS, SUPPORT, a search bar labeled 'Search PP', and buttons for LOGIN and REGISTER.

On the left sidebar, under 'EU Programmes 2014-2020', there is a 'Search Topics' box and a 'Call Updates' section with a calendar icon. Below this, a 'Calls' section lists several programs: H2020, Research Fund for Coal & Steel, COSME, 3rd Health Programme, and Consumer Programme. At the bottom of the sidebar, under 'FP7 & CIP Programmes 2007-2013', there is a 'Calls' box.

The main content area features a title 'The young generation in an innovative, inclusive and sustainable Europe' and a subtitle 'H2020-YOUNG-SOCIETY-2015'. Below this, a table provides details about the call:

Opening Date	10-12-2014	Deadline Date	28-05-2015 17:00:00 (Brussels local time)
Publication date	11-12-2013	Total Call Budget	€9,450,000
Programme	Horizon 2020	Main Pillar	Societal Challenges
Status	Open	OJ reference	OJ C361 of 11 December 2013

Below the table, the topic is listed as 'Topic: Lifelong learning for young adults: better policies for growth and inclusion in Europe' with the code 'YOUNG-3-2015'.

At the bottom of the main content area, there are three tabs: 'Topic Description', 'Topic Conditions & Documents', and 'Submission Service'. The 'Topic Description' tab is active, showing the 'Scope:' section with the following text: 'Specific challenge: It is obvious that investing appropriately in lifelong learning will contribute to overcoming the economic and social crisis and meeting the Europe 2020 targets on employment, poverty reduction, education, sustainability, innovation. The need and markets for adult education (after initial education and training) are thus likely'.

4. Looking ahead: will we keep living apart together?

How to overcome the isolation of LIS researchers?



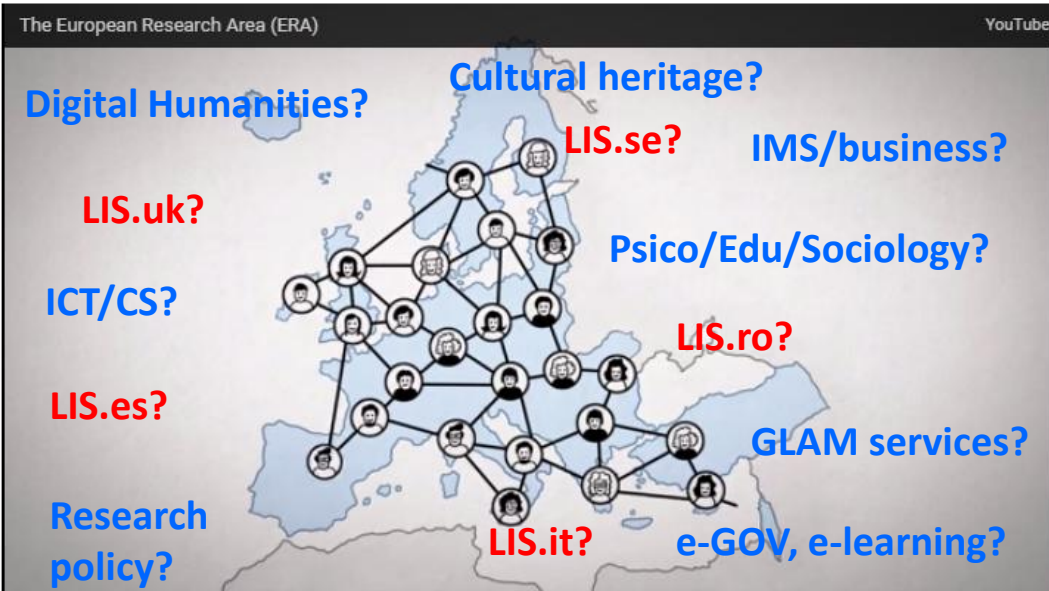
EUROPEAN RESEARCH AREA

European Commission > Research & Innovation > ERA

Home	ERA Partnership	Maximising results	Strengthening cross-border links	Open market for researchers	Gender equality	Accessing knowledge	Joint Programming	ERA Progress	
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The European Research Area (ERA)



YouTube

LATEST NEWS

4.5.2015
"A new start for Europe: Opening up to an ERA of Innovation"
Conference, 22-23 June, Brussels
Registration now open

18.12.2014
The third edition of the **ERA Newsletter** is now online

16.12.2014
RESAVER: Award of the contract to support the new pan-EU pension fund

[ERA NEWSLETTER](#)

KEY DOCUMENTS

References

- Maceviciute, E., Wilson, T., Lalloo, I., & Lindh, M. (2009). *A Delphi study of research needs for Swedish libraries*. Borås: Högskolan i Borås. <http://bada.hb.se/handle/2320/5069>.
- Shera, J. (1964). Darwin, Bacon, and research in librarianship. *Library Trends*, 13(1), 141–149.
- Spink, A., & Heinström, J. (2012). Introduction. In A. Spink & J. Heinström (Eds.), *Library and Information Science Trends and Research: Europe* (pp. 3–9). Bingley: Emerald Group Publishing.

Thank you!

Let's try to find the answers... or new challenges!

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