

## (preliminary) Biblio Analysis

Database: Scopus  
Search expression: “controlled vocabulary” OR “thesaur\*” AND “semant\*”  
No. References retrieved: 115

### Analysis:

1. Statistical analysis from Scopus website
2. Data mining, statistical analysis and visualization from VOSViewer

Year			
<input type="checkbox"/> 2016	(12)	<input type="checkbox"/> 2006	(6)
<input type="checkbox"/> 2015	(14)	<input type="checkbox"/> 2005	(6)
<input type="checkbox"/> 2014	(14)	<input type="checkbox"/> 2004	(3)
<input type="checkbox"/> 2013	(14)	<input type="checkbox"/> 2003	(1)
<input type="checkbox"/> 2012	(13)	<input type="checkbox"/> 2002	(1)
<input type="checkbox"/> 2011	(3)	<input type="checkbox"/> 2001	(2)
<input type="checkbox"/> 2010	(4)	<input type="checkbox"/> 1992	(1)
<input type="checkbox"/> 2009	(6)		
<input type="checkbox"/> 2008	(13)		
<input type="checkbox"/> 2007	(2)		

## Affiliation ^

<input type="checkbox"/> University of South Wales	(11)
<input type="checkbox"/> Kent State University	(9)
<input type="checkbox"/> Food and Agriculture Organization of the United Nations	(5)
<input type="checkbox"/> Vrije Universiteit Amsterdam	(4)
<input type="checkbox"/> Heinrich Heine Universitat	(3)

## Subject Area

<input type="checkbox"/> Computer Science	(74)
<input type="checkbox"/> Social Sciences	(56)
<input type="checkbox"/> Mathematics	(12)
<input type="checkbox"/> Decision Sciences	(8)
<input type="checkbox"/> Engineering	(7)

## Document Type

<input type="checkbox"/> Article	(56)
<input type="checkbox"/> Conference Paper	(38)
<input type="checkbox"/> Review	(14)
<input type="checkbox"/> Conference Review	(3)
<input type="checkbox"/> Book	(2)

## Source Title

### Keyword

<input type="checkbox"/> Thesauri	(42)
<input type="checkbox"/> Semantics	(39)
<input type="checkbox"/> Knowledge Organization Systems	(37)
<input type="checkbox"/> Semantic Web	(30)
<input type="checkbox"/> SKOS	(21)

## Affiliation

### Country/Territory

<input type="checkbox"/> United States	(26)
<input type="checkbox"/> United Kingdom	(22)
<input type="checkbox"/> Spain	(14)
<input type="checkbox"/> Italy	(13)
<input type="checkbox"/> Denmark	(9)

## Source Type

<input type="checkbox"/> Journals	(69)
<input type="checkbox"/> Conference Proceedings	(29)
<input type="checkbox"/> Book Series	(13)
<input type="checkbox"/> Books	(4)

## Language

<input type="checkbox"/> English	(107)
<input type="checkbox"/> Spanish	(4)
<input type="checkbox"/> Portuguese	(2)
<input type="checkbox"/> Croatian	(1)
<input type="checkbox"/> German	(1)

## Author Name

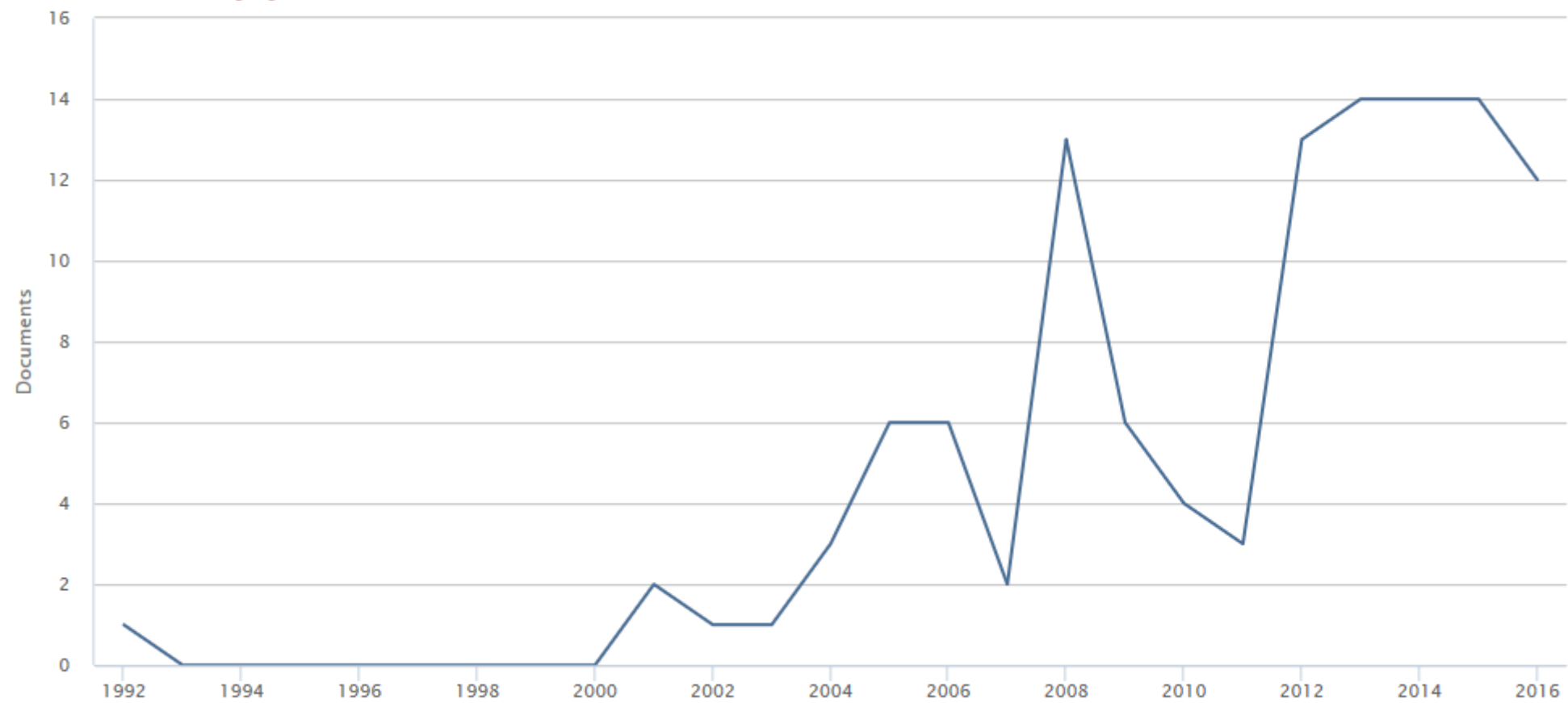
<input type="checkbox"/> Tudhope, D.	(10)
<input type="checkbox"/> Zeng, M.L.	(8)
<input type="checkbox"/> Binding, C.	(6)
<input type="checkbox"/> Isaac, A.	(5)
<input type="checkbox"/> Keizer, J.	(5)
<input type="checkbox"/> Miles, A.	(5)
<input type="checkbox"/> Hjørland, B.	(4)
<input type="checkbox"/> Lauser, B.	(3)
<input type="checkbox"/> Vlachidis, A.	(3)
<input type="checkbox"/> Ameri, F.	(2)
<input type="checkbox"/> Baker, T.	(2)
<input type="checkbox"/> Busch, J.A.	(2)
<input type="checkbox"/> Caracciolo, C.	(2)
<input type="checkbox"/> Hlava, M.	(2)
<input type="checkbox"/> Hodge, G.	(2)
<input type="checkbox"/> Johannsen, G.	(2)
<input type="checkbox"/> Kapetanios, E.	(2)
<input type="checkbox"/> Katz, S.	(2)
<input type="checkbox"/> Matthezing, H.	(2)
<input type="checkbox"/> May, K.	(2)
<input type="checkbox"/> McArthur, C.	(2)
<input type="checkbox"/> Peters, I.	(2)
<input type="checkbox"/> Pruski, C.	(2)
<input type="checkbox"/> Pérez-Agüera, J.R.	(2)
<input type="checkbox"/> Qin, J.	(2)
<input type="checkbox"/> Reynaud-Delaître, C.	(2)
<input type="checkbox"/> Schlobach, S.	(2)
<input type="checkbox"/> Soergel, D.	(2)
<input type="checkbox"/> Stellato, A.	(2)
<input type="checkbox"/> Stock, W.G.	(2)
<input type="checkbox"/> Summers, E.	(2)
<input type="checkbox"/> Tanase, D.	(2)
<input type="checkbox"/> Urbanovsky, C.	(2)
<input type="checkbox"/> Zinn, C.	(2)
<input type="checkbox"/> Alexiev, V.	(1)
<input type="checkbox"/> Alvarez-Rodríguez, J.M.	(1)
<input type="checkbox"/> Alvite-Díez, M.L.	(1)
<input type="checkbox"/> Amirhosseini, M.	(1)
<input type="checkbox"/> Baca, M.	(1)
<input type="checkbox"/> Barrett, M.	(1)

<input type="checkbox"/> Bechhofer, S.	(1)
<input type="checkbox"/> Bedford, D.A.D.	(1)
<input type="checkbox"/> Belk, S.	(1)
<input type="checkbox"/> Bellini, E.	(1)
<input type="checkbox"/> Blocks, D.	(1)
<input type="checkbox"/> Brandt, M.	(1)
<input type="checkbox"/> Brickley, D.	(1)
<input type="checkbox"/> Broughton, V.	(1)
<input type="checkbox"/> Bräscher, M.	(1)
<input type="checkbox"/> Buchel, O.	(1)
<input type="checkbox"/> Caldwell, C.	(1)
<input type="checkbox"/> Cantara, L.	(1)
<input type="checkbox"/> Cardillo, E.	(1)
<input type="checkbox"/> Carranza, E.J.M.	(1)
<input type="checkbox"/> Chamnongsri, N.	(1)
<input type="checkbox"/> Chan, L.M.	(1)
<input type="checkbox"/> Chen, H.H.	(1)
<input type="checkbox"/> Chen, H.h.	(1)
<input type="checkbox"/> Chen, S.J.	(1)
<input type="checkbox"/> Chen, S.j.	(1)
<input type="checkbox"/> Chicaiza, J.	(1)
<input type="checkbox"/> Chowdhury, G.	(1)
<input type="checkbox"/> Cohen, M.	(1)
<input type="checkbox"/> Colaert, D.	(1)
<input type="checkbox"/> Cole, H.A.	(1)
<input type="checkbox"/> Colmenero-Ruiz, M.J.	(1)
<input type="checkbox"/> Cui, H.	(1)
<input type="checkbox"/> Cunliffe, D.	(1)
<input type="checkbox"/> Da Silveira, M.	(1)
<input type="checkbox"/> De Lara, M.L.G.	(1)
<input type="checkbox"/> De Oliveira Lima, G.Á.B.	(1)
<input type="checkbox"/> De Pablos, P.O.	(1)
<input type="checkbox"/> De Roo, J.	(1)
<input type="checkbox"/> De Vloed, B.	(1)
<input type="checkbox"/> De groat, G.	(1)
<input type="checkbox"/> Depraetere, K.	(1)
<input type="checkbox"/> Dextre Clarke, S.G.	(1)
<input type="checkbox"/> Dos Reis, J.C.	(1)
<input type="checkbox"/> Edwards, G.	(1)
<input type="checkbox"/> Endara, L.	(1)

<input type="checkbox"/> Fan, W.	(1)
<input type="checkbox"/> Farrenkopf, S.	(1)
<input type="checkbox"/> Fiorelli, M.	(1)
<input type="checkbox"/> Fisseha, F.	(1)
<input type="checkbox"/> Folino, A.	(1)
<input type="checkbox"/> Foo, S.	(1)
<input type="checkbox"/> Frasnelli, E.	(1)
<input type="checkbox"/> Fugazza, C.	(1)
<input type="checkbox"/> Gao, J.	(1)
<input type="checkbox"/> Garcia-Barriocanal, E.	(1)
<input type="checkbox"/> García-Marco, F.J.	(1)
<input type="checkbox"/> Gil-Urdiciain, B.	(1)
<input type="checkbox"/> Gill, M.	(1)
<input type="checkbox"/> Gnoli, C.	(1)
<input type="checkbox"/> Goh, D.H.L.	(1)
<input type="checkbox"/> Golub, K.	(1)
<input type="checkbox"/> Green, R.	(1)
<input type="checkbox"/> Greenberg, J.	(1)
<input type="checkbox"/> Guarasci, R.	(1)
<input type="checkbox"/> Guha, N.	(1)
<input type="checkbox"/> Harrison, K.A.	(1)
<input type="checkbox"/> Haslhofer, B.	(1)
<input type="checkbox"/> Hill, L.	(1)
<input type="checkbox"/> Hodge, G.M.	(1)
<input type="checkbox"/> Hong, Q.	(1)
<input type="checkbox"/> Huang, F.	(1)
<input type="checkbox"/> Ibekwe-Sanjuan, F.	(1)
<input type="checkbox"/> Ingwersen, P.	(1)
<input type="checkbox"/> Jaques, Y.	(1)
<input type="checkbox"/> Ji, P.	(1)
<input type="checkbox"/> Jiménez, A.G.	(1)
<input type="checkbox"/> Jørgensen, C.	(1)
<input type="checkbox"/> Kaltman, E.	(1)
<input type="checkbox"/> Keil, S.	(1)
<input type="checkbox"/> Kesić-Mateljjan, B.	(1)
<input type="checkbox"/> Kourie, D.G.	(1)
<input type="checkbox"/> Krech, D.	(1)
<input type="checkbox"/> Labra-Gayo, J.E.	(1)
<input type="checkbox"/> Lasić-Lazić, J.	(1)
<input type="checkbox"/> Levergood, B.	(1)

<input type="checkbox"/> Li, D.	(1)
<input type="checkbox"/> Liang, A.	(1)
<input type="checkbox"/> Liang, A.C.	(1)
<input type="checkbox"/> Lindenthal, J.	(1)
<input type="checkbox"/> Liu, G.	(1)
<input type="checkbox"/> Lopez-Vargas, J.	(1)
<input type="checkbox"/> Lovell, R.	(1)
<input type="checkbox"/> Lowood, H.	(1)
<input type="checkbox"/> Lucarelli, A.	(1)
<input type="checkbox"/> Lwin Lwin, N.C.	(1)
<input type="checkbox"/> Lykke, M.	(1)
<input type="checkbox"/> López-Huertas, M.	(1)
<input type="checkbox"/> Ma, X.	(1)
<input type="checkbox"/> MacFarlane, A.	(1)
<input type="checkbox"/> Macklin, J.A.	(1)
<input type="checkbox"/> Maculan, B.C.	(1)
<input type="checkbox"/> Mader, C.	(1)
<input type="checkbox"/> Magalhães, J.	(1)
<input type="checkbox"/> Mahesh, K.	(1)
<input type="checkbox"/> Marcoux, Y.	(1)
<input type="checkbox"/> Martelli, C.	(1)
<input type="checkbox"/> Martins, F.	(1)
<input type="checkbox"/> Martínez-González, M.M.	(1)
<input type="checkbox"/> Mastroni, M.	(1)
<input type="checkbox"/> Matthews, B.	(1)
<input type="checkbox"/> Mayr, P.	(1)
<input type="checkbox"/> Mazzocchi, F.	(1)
<input type="checkbox"/> Medeiros, M.B.B.	(1)
<input type="checkbox"/> Mels, G.	(1)
<input type="checkbox"/> Mendez, F.J.M.	(1)
<input type="checkbox"/> Moreira, J.A.	(1)
<input type="checkbox"/> Morshed, A.	(1)
<input type="checkbox"/> Méndez, E.	(1)
<input type="checkbox"/> Na, J.C.	(1)
<input type="checkbox"/> Nguyen, S.H.	(1)
<input type="checkbox"/> Nielsen, M.L.	(1)
<input type="checkbox"/> Nilbe, S.	(1)
<input type="checkbox"/> Niwattanakul, S.	(1)
<input type="checkbox"/> Novianti	(1)
<input type="checkbox"/> Undefined	(3)

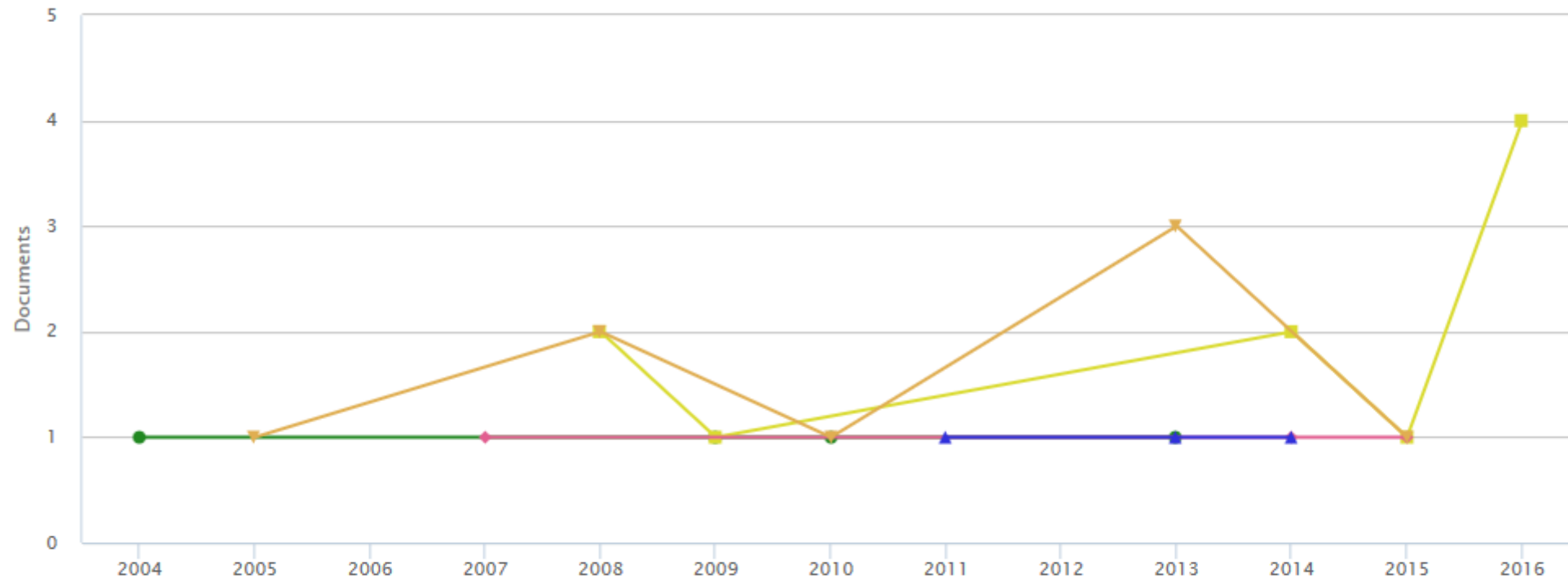
## Documents by year



# Documents per year by source

Compare the document counts for up to 10 sources

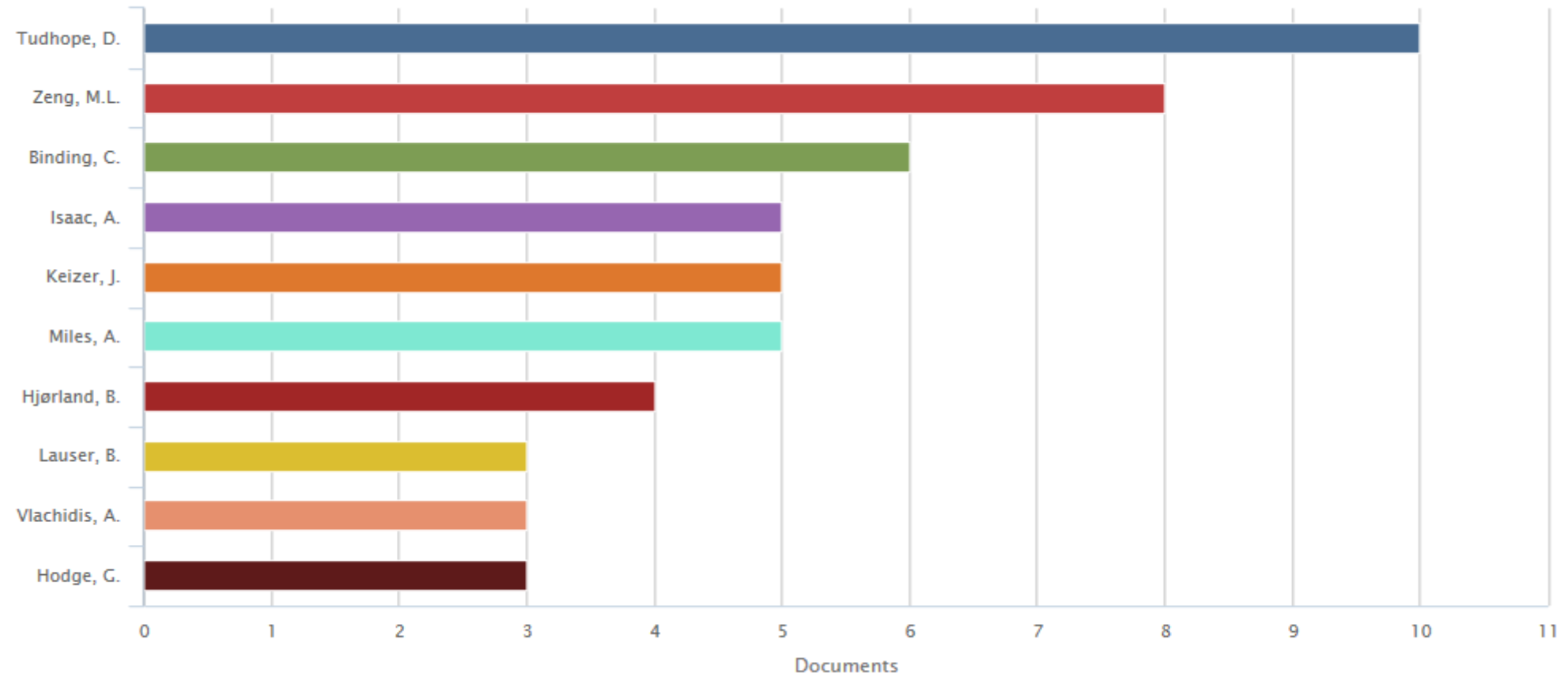
[Compare sources and view CiteScore, SJR, and SNIP data](#)



- Journal Of The American Society For Information Science And Technology
- Knowledge Organization
- ◆ Cataloging And Classification Quarterly
- ▲ Communications In Computer And Information Science
- ▼ Lecture Notes In Computer Science Including Subseries Lecture Notes In Artificial Intelligence And Lecture Notes In Bioinformatics

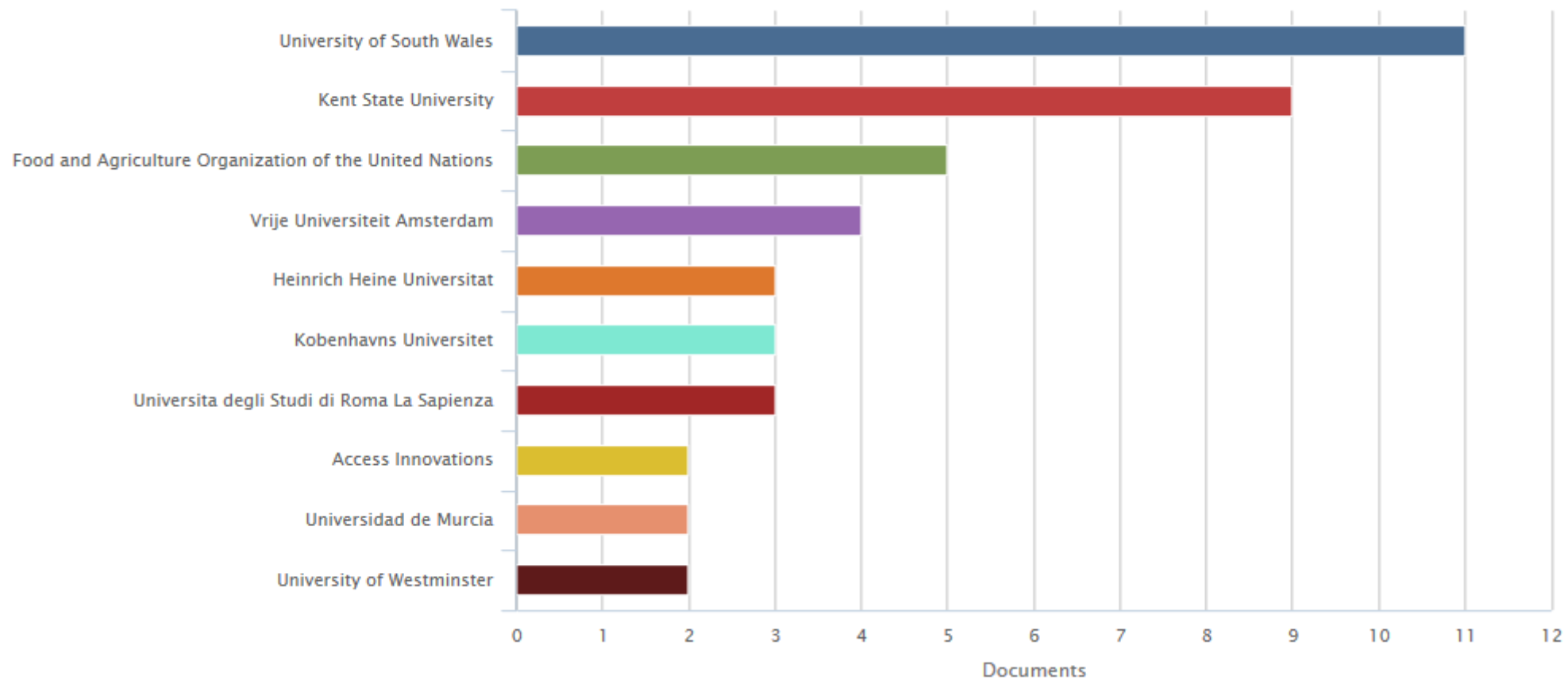
## Documents by author

Compare the document counts for up to 15 authors



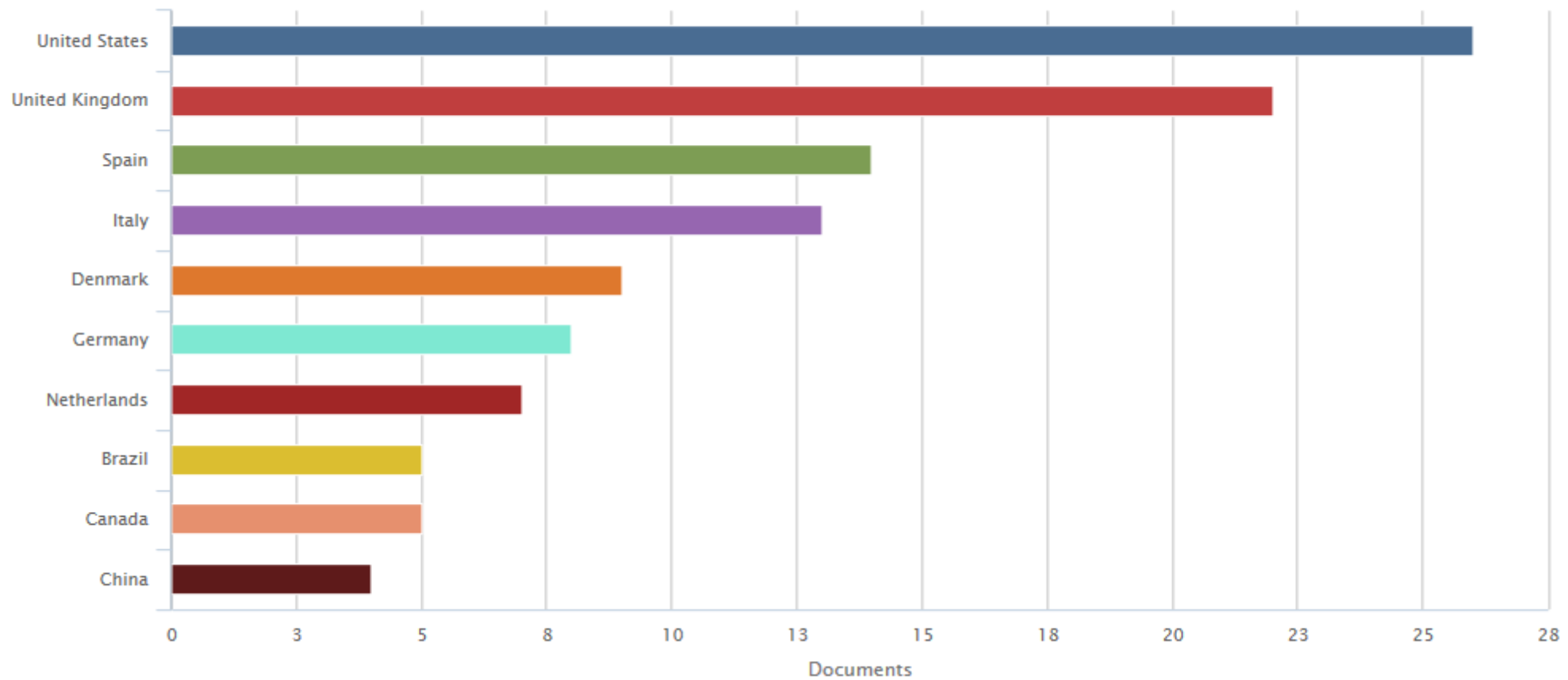
## Documents by affiliation

Compare the document counts for up to 15 affiliations



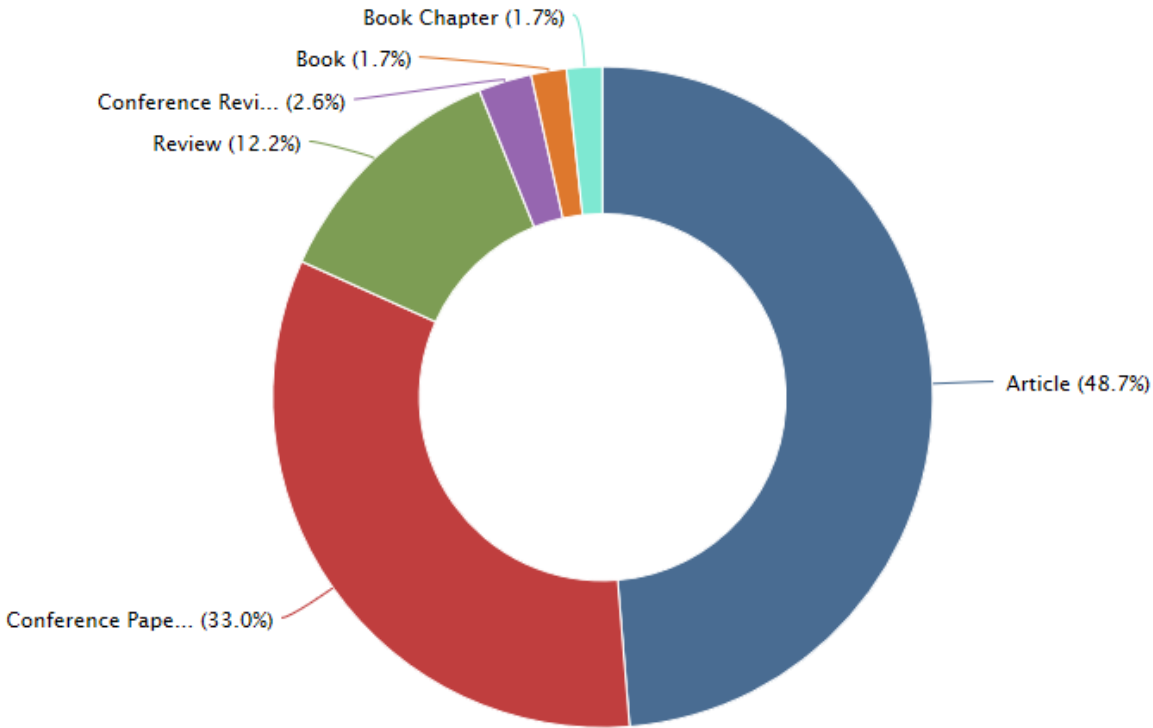
## Documents by country/territory

Compare the document counts for up to 15 countries/territories



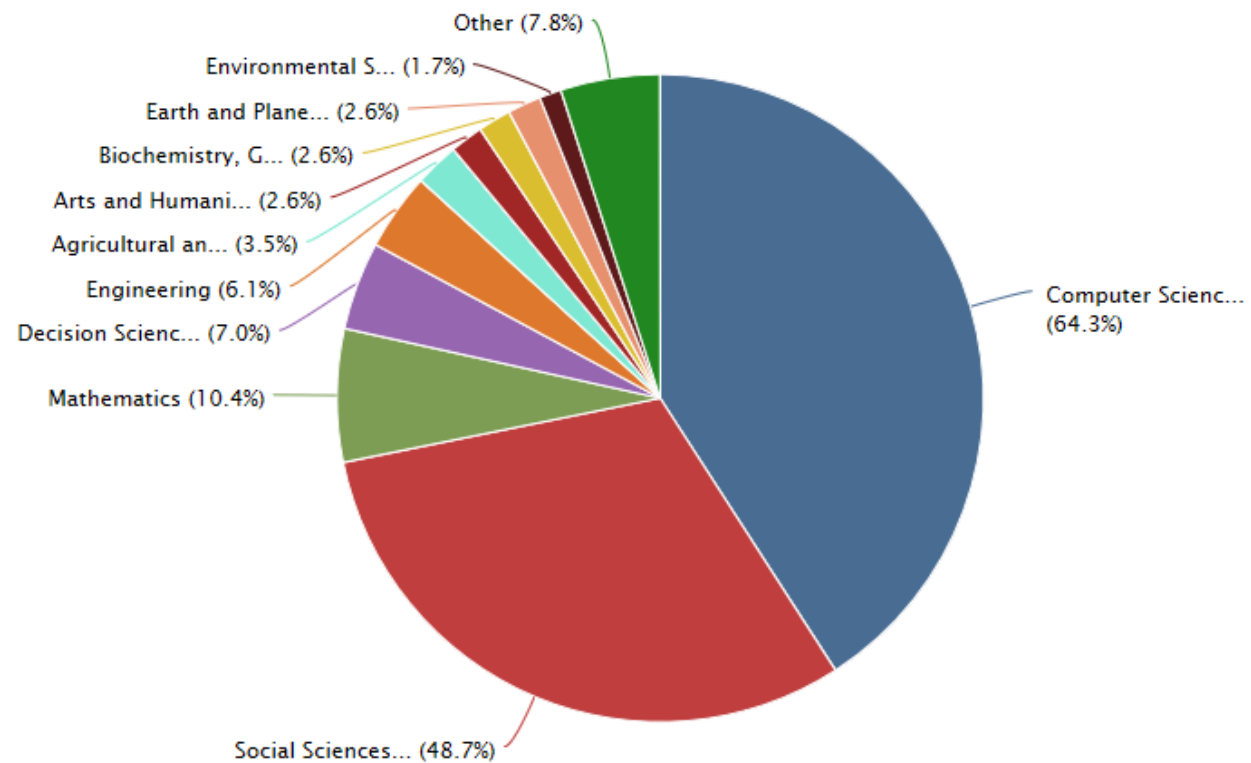
Document Type	Documents
Article	56
Conference Paper	38
Review	14
Conference Review	3
Book	2
Book Chapter	2
Total	115

### Documents by type



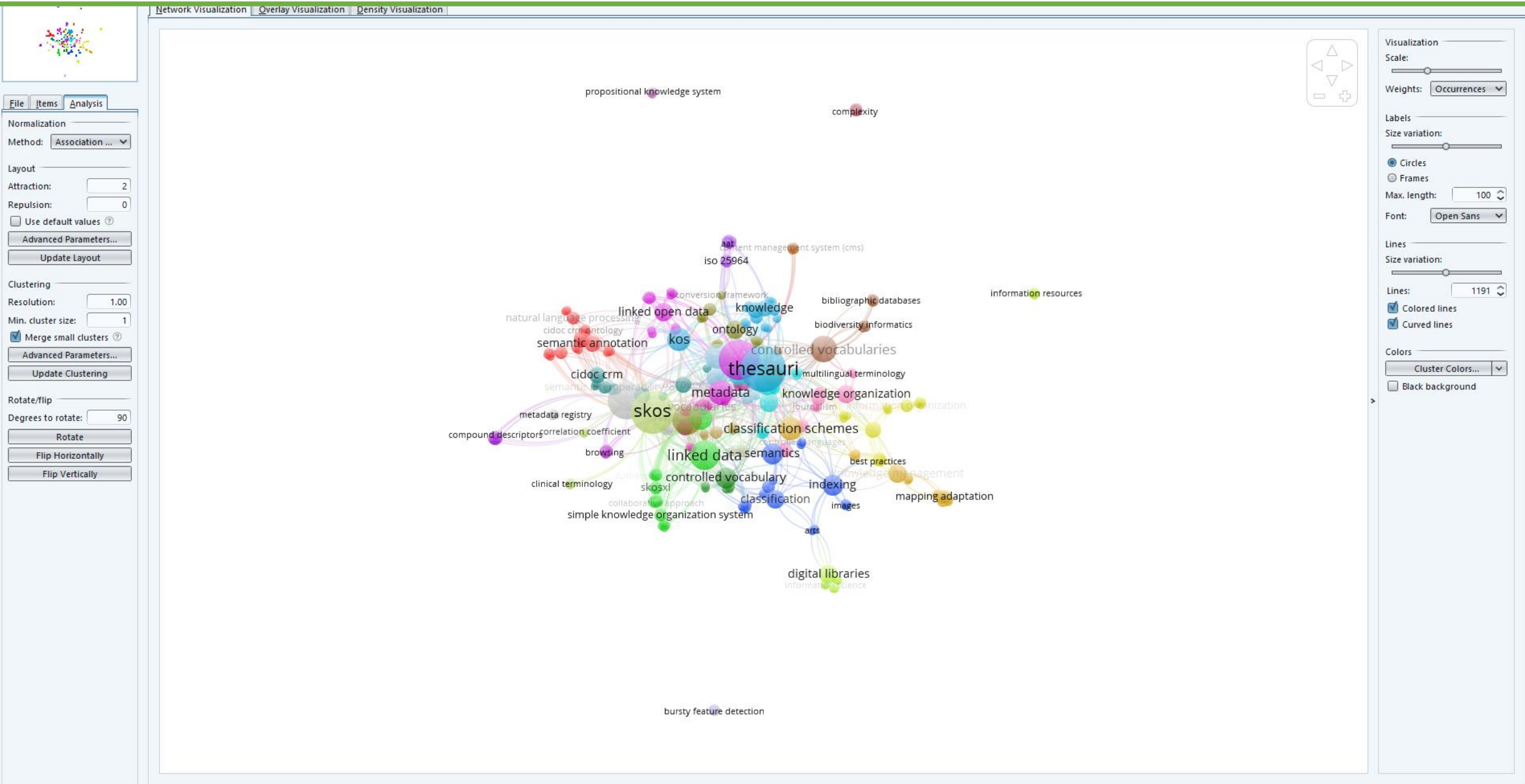


## Documents by subject area



Subject Area	Documents ▾
Computer Science	74
Social Sciences	56
Mathematics	12
Decision Sciences	8
Engineering	7
Agricultural and Biological Sciences	4
Arts and Humanities	3
Biochemistry, Genetics and Molec...	3
Earth and Planetary Sciences	3
Environmental Science	2
Medicine	2
Business, Management and Accou...	1
Economics, Econometrics and Fin...	1
Materials Science	1
Multidisciplinary	1
Physics and Astronomy	1
Psychology	1
Veterinary	1
Total	115

# SCO\_115Refs\_Co-occurrence\_AuthorKeywords

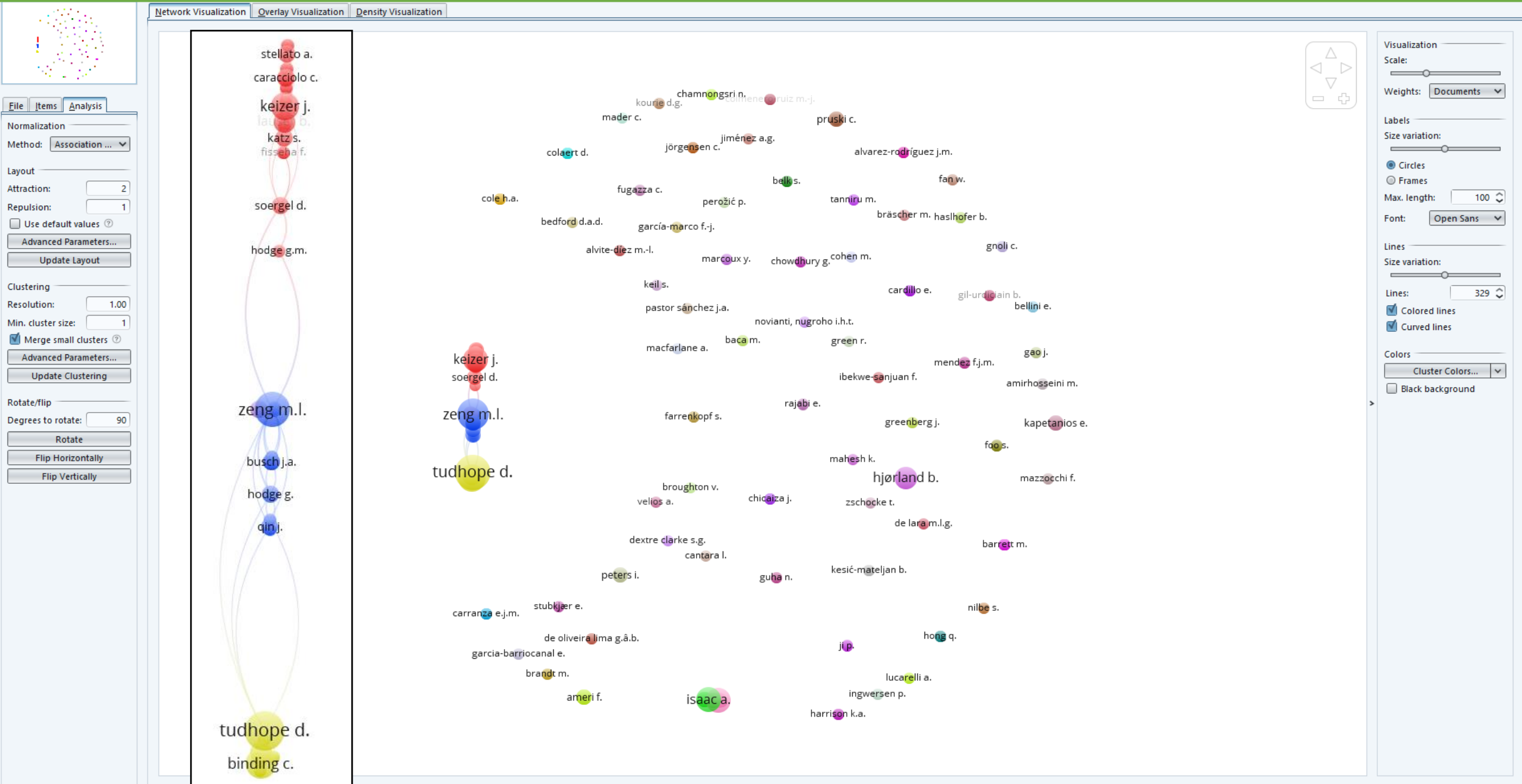




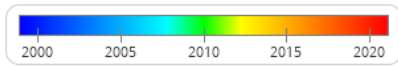
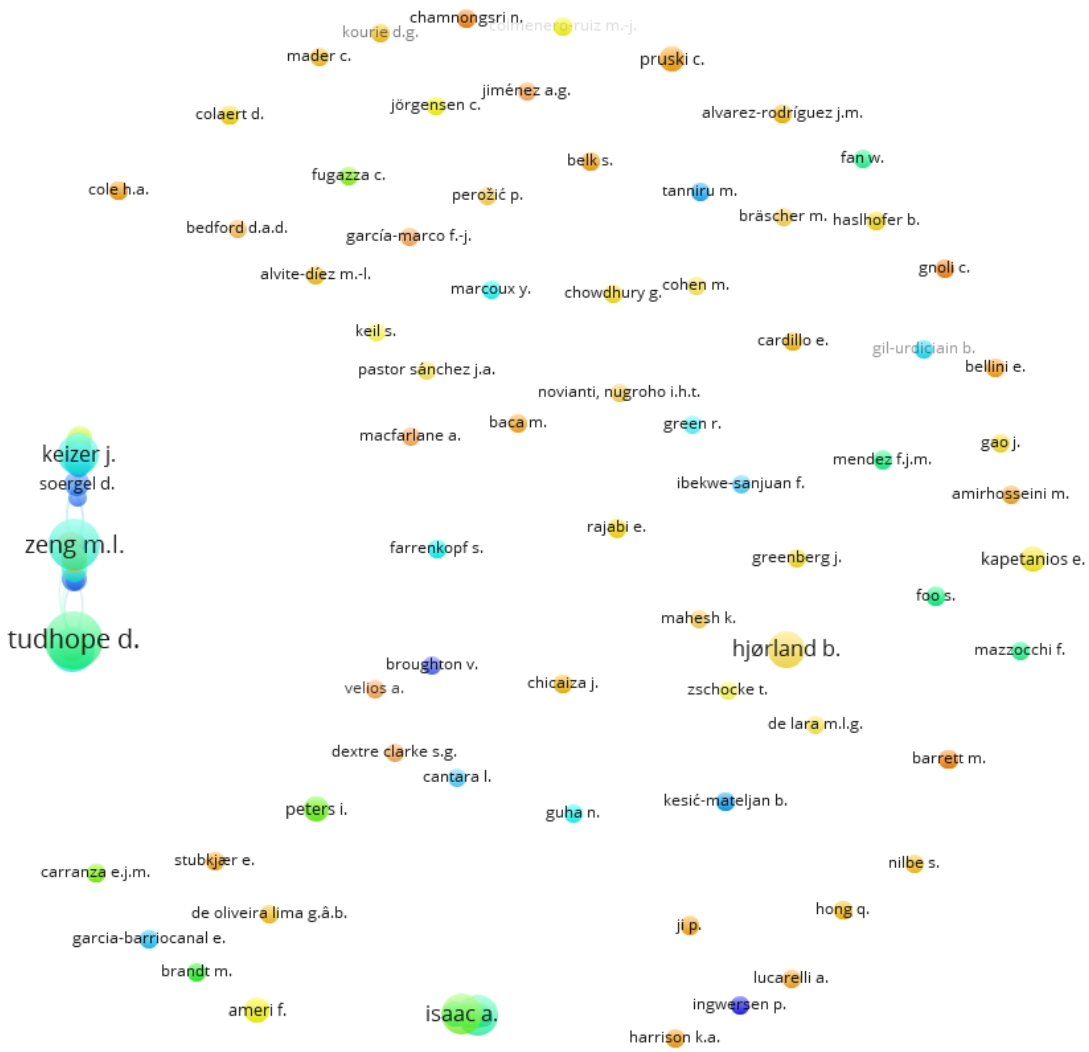
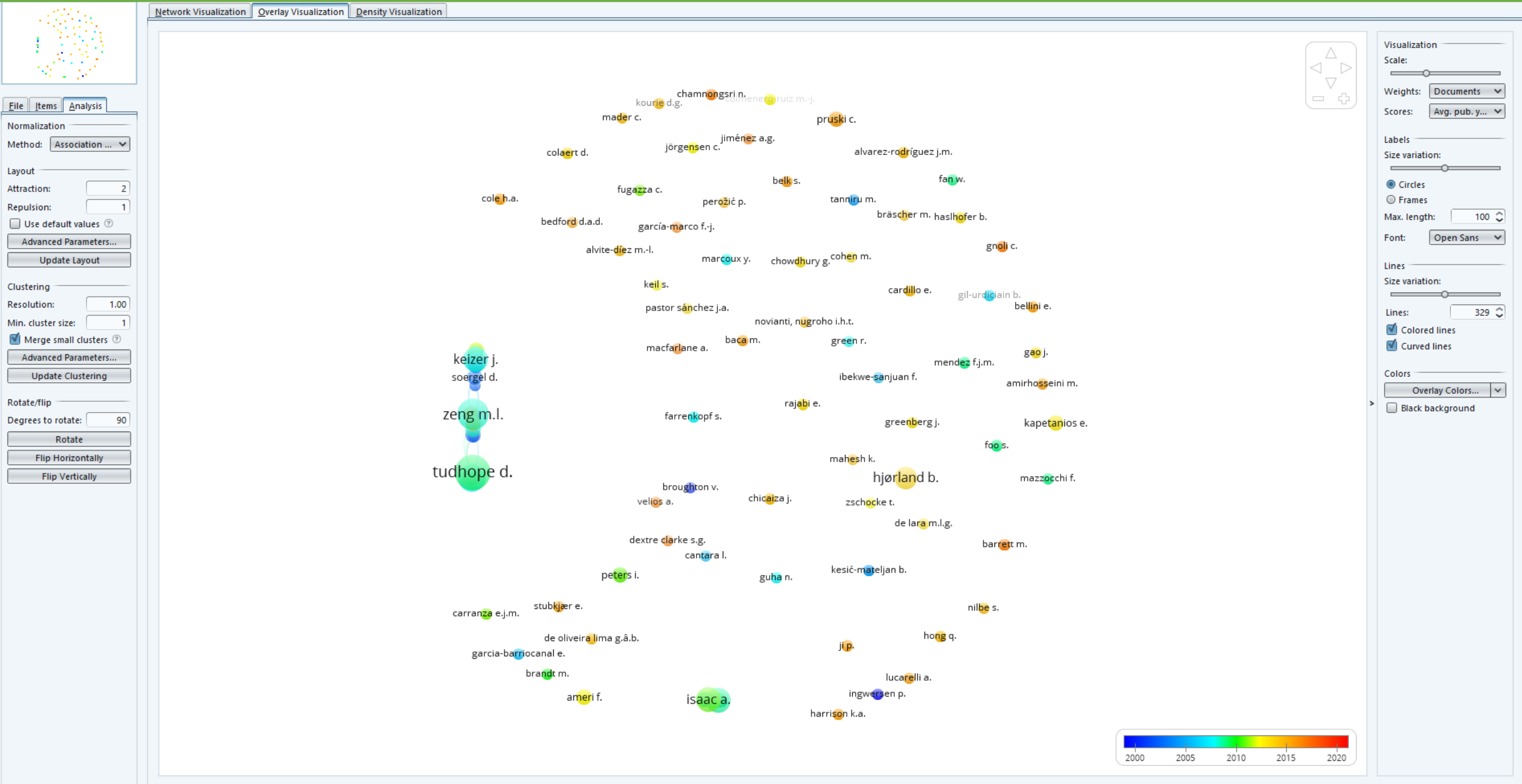




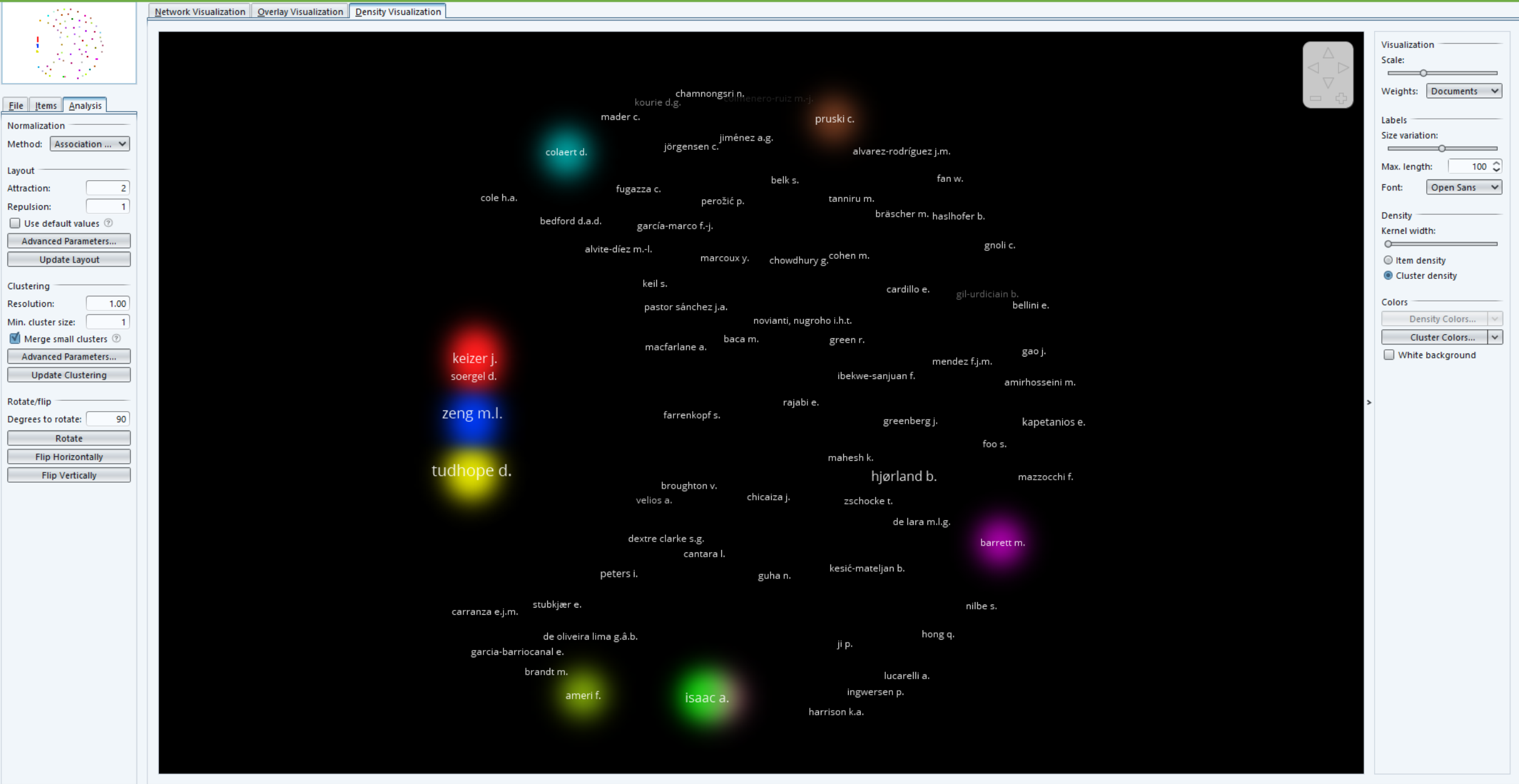
# SCO\_115Refs\_Co-authorship\_Authors



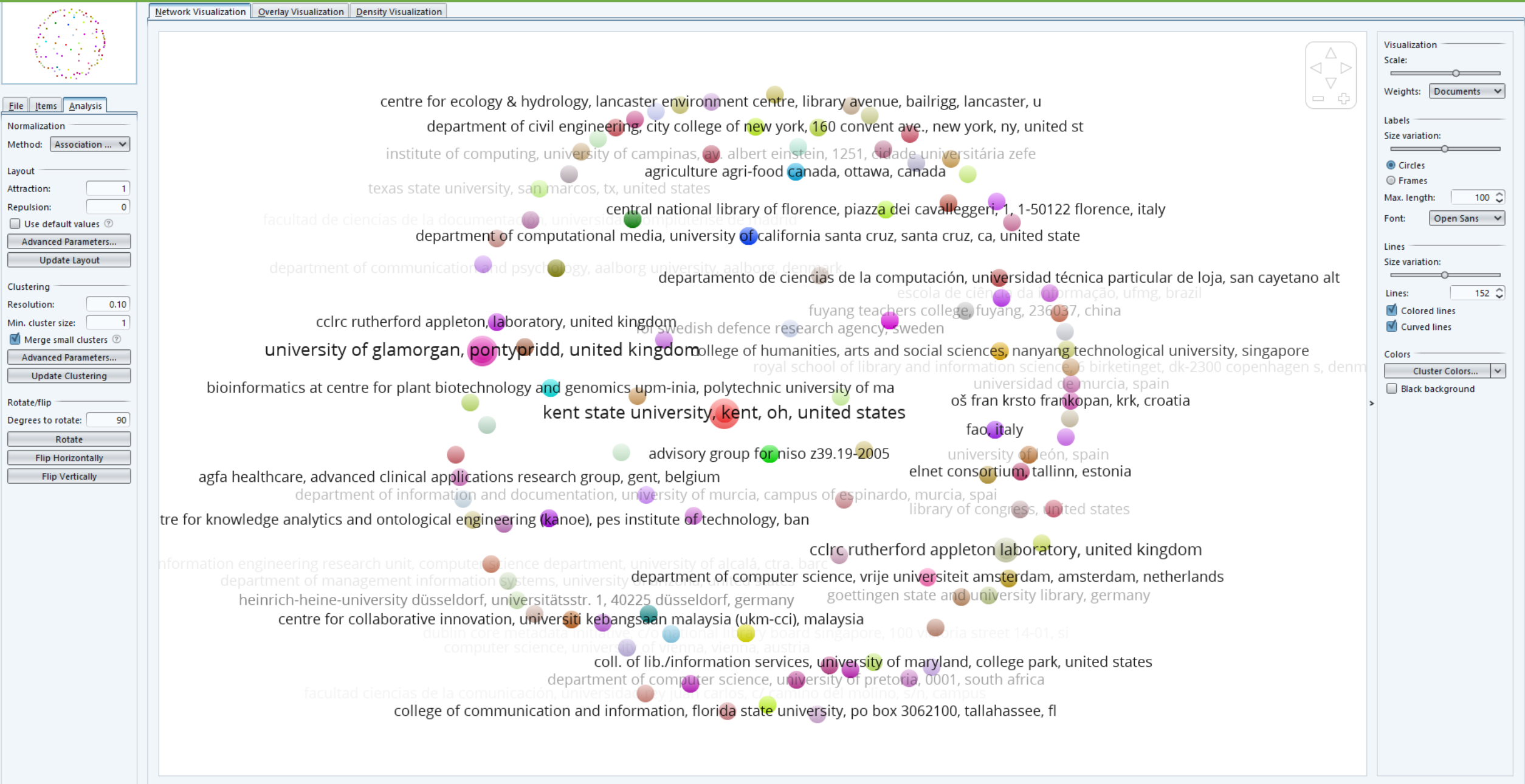
# SCO\_115Refs\_Co-authorship\_Authors



# SCO\_115Refs\_Co-authorship\_Authors



# SCO\_115Refs\_Co-authorship\_Organizations





# SCO\_115Refs\_Co-authorship\_Organizations



File Items Analysis

Normalization  
Method: Association ...

Layout  
Attraction: 1  
Repulsion: 0  
 Use default values ?  
Advanced Parameters...  
Update Layout

Clustering  
Resolution: 0.10  
Min. cluster size: 1  
 Merge small clusters ?  
Advanced Parameters...  
Update Clustering

Rotate/flip  
Degrees to rotate: 90  
Rotate  
Flip Horizontally  
Flip Vertically

Visualization

Scale: [Slider]

Weights: Documents

Scores: Avg. pub. y...

Labels  
Size variation: [Slider]

Circles  
 Frames

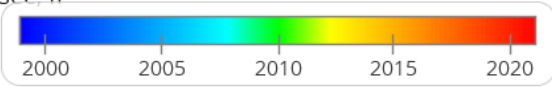
Max. length: 100

Font: Open Sans

Lines  
Size variation: [Slider]

Colored lines  
 Curved lines

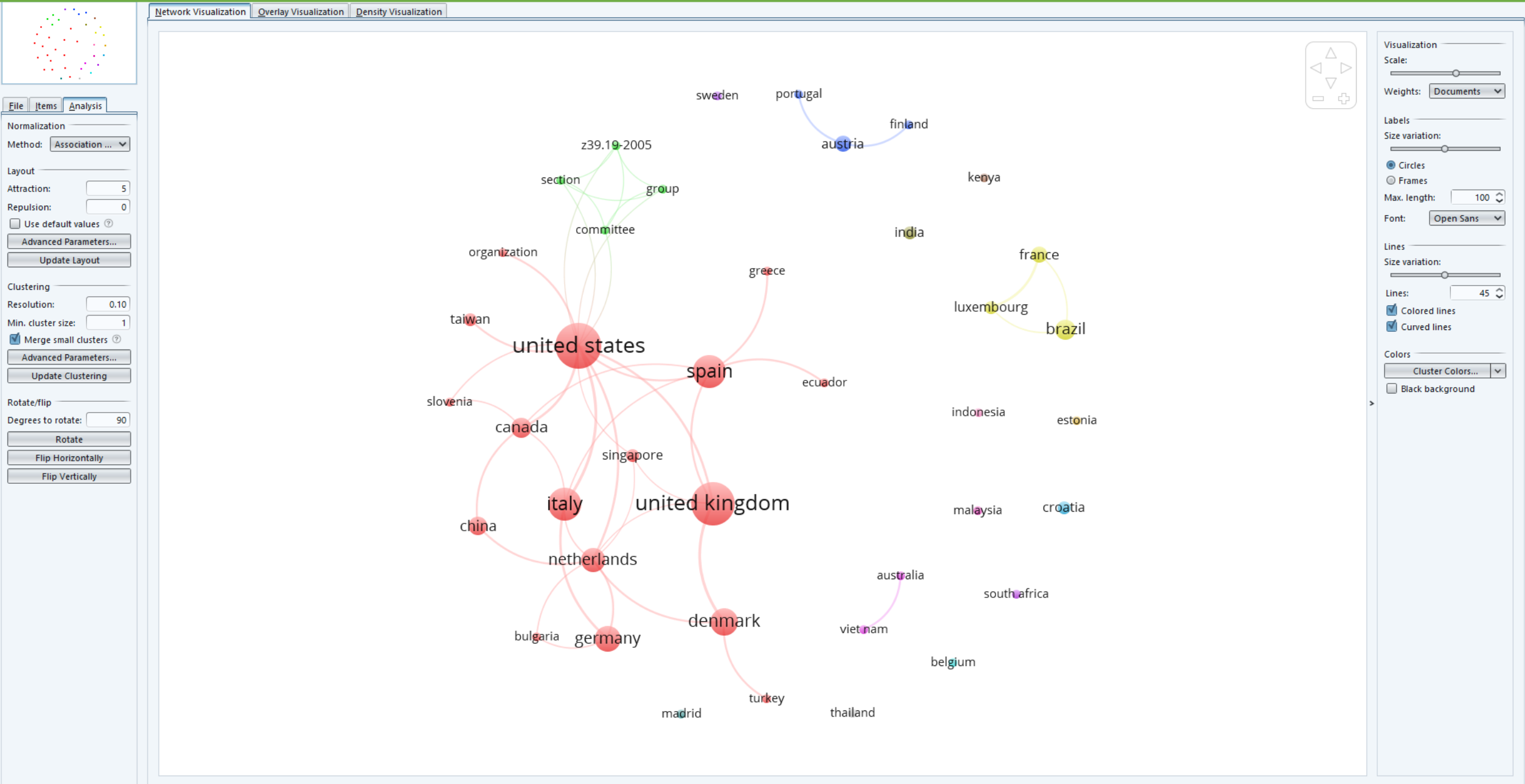
Colors  
Overlay Colors...  
 Black background



# SCO\_115Refs\_Co-authorship\_Organizations



# SCO\_115Refs\_Co-authorship\_Countries



File Items Analysis

Normalization  
Method: Association ...

Layout  
Attraction: 5  
Repulsion: 0  
 Use default values ?  
Advanced Parameters...  
Update Layout

Clustering  
Resolution: 0.10  
Min. cluster size: 1  
 Merge small clusters ?  
Advanced Parameters...  
Update Clustering

Rotate/flip  
Degrees to rotate: 90  
Rotate  
Flip Horizontally  
Flip Vertically

Visualization  
Scale: [Slider]  
Weights: Documents  
Labels  
Size variation: [Slider]  
 Circles  
 Frames  
Max. length: 100  
Font: Open Sans  
Lines  
Size variation: [Slider]  
Lines: 45  
 Colored lines  
 Curved lines  
Colors  
Cluster Colors...  
 Black background

# SCO\_115Refs\_Co-authorship\_Countries

Network Visualization Overlay Visualization Density Visualization



File Items Analysis

Normalization

Method: Association ...

Layout

Attraction: 5

Repulsion: 0

Use default values ?

Advanced Parameters...

Update Layout

Clustering

Resolution: 0.10

Min. cluster size: 1

Merge small clusters ?

Advanced Parameters...

Update Clustering

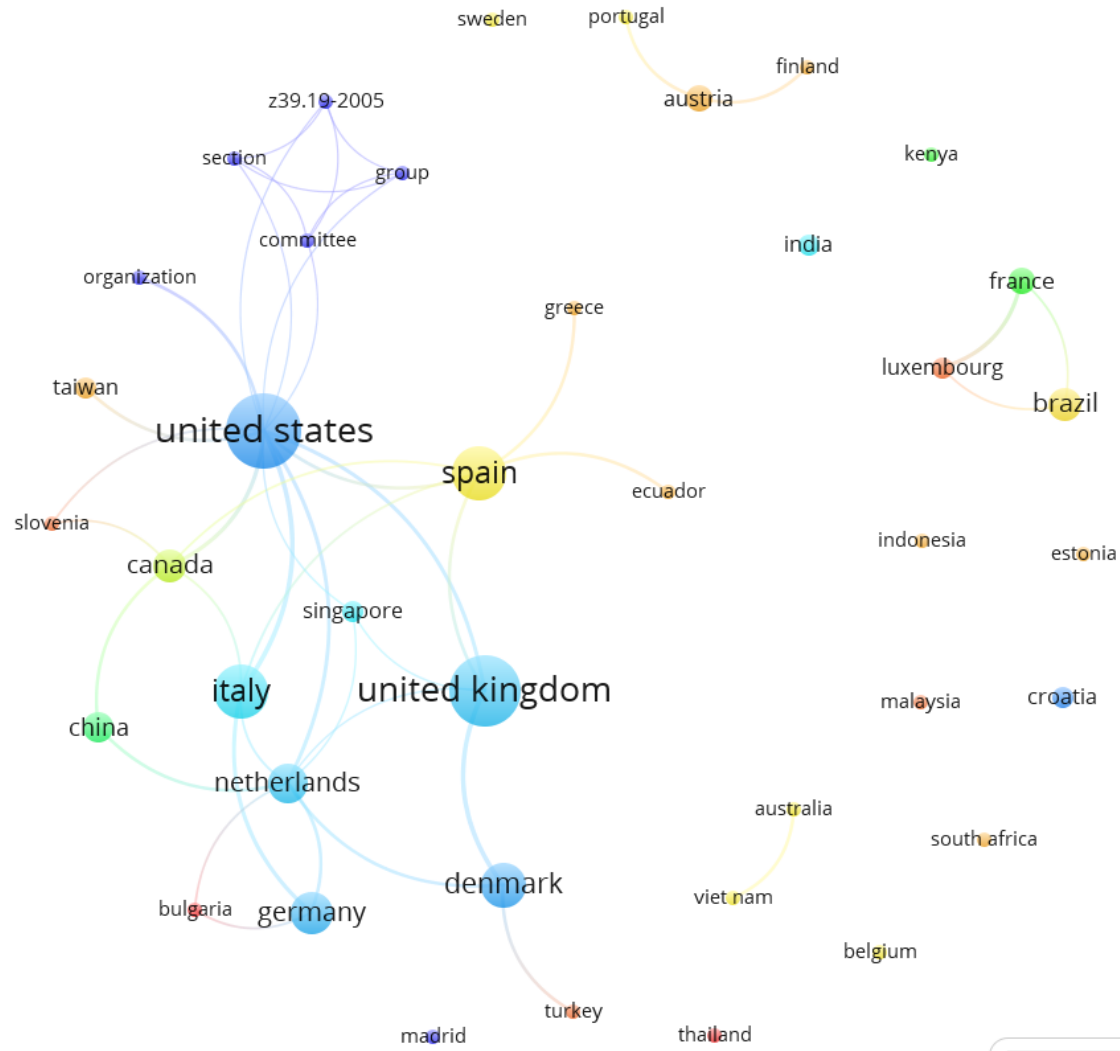
Rotate/flip

Degrees to rotate: 90

Rotate

Flip Horizontally

Flip Vertically



Visualization

Scale:

Weights: Documents

Scores: Avg. pub. y...

Labels

Size variation:

Circles

Frames

Max. length: 100

Font: Open Sans

Lines

Size variation:

Lines: 45

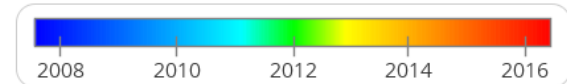
Colored lines

Curved lines

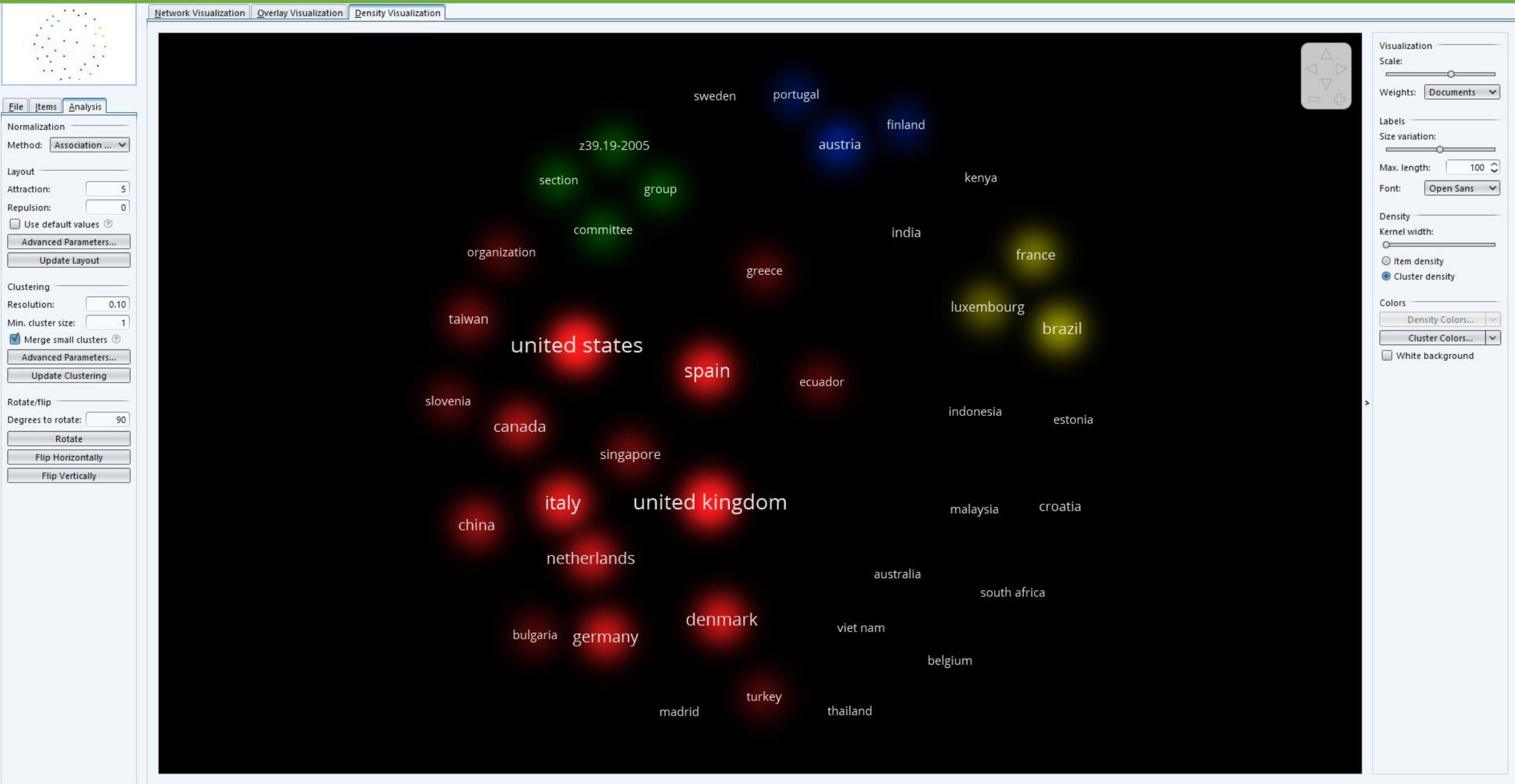
Colors

Overlay Colors...

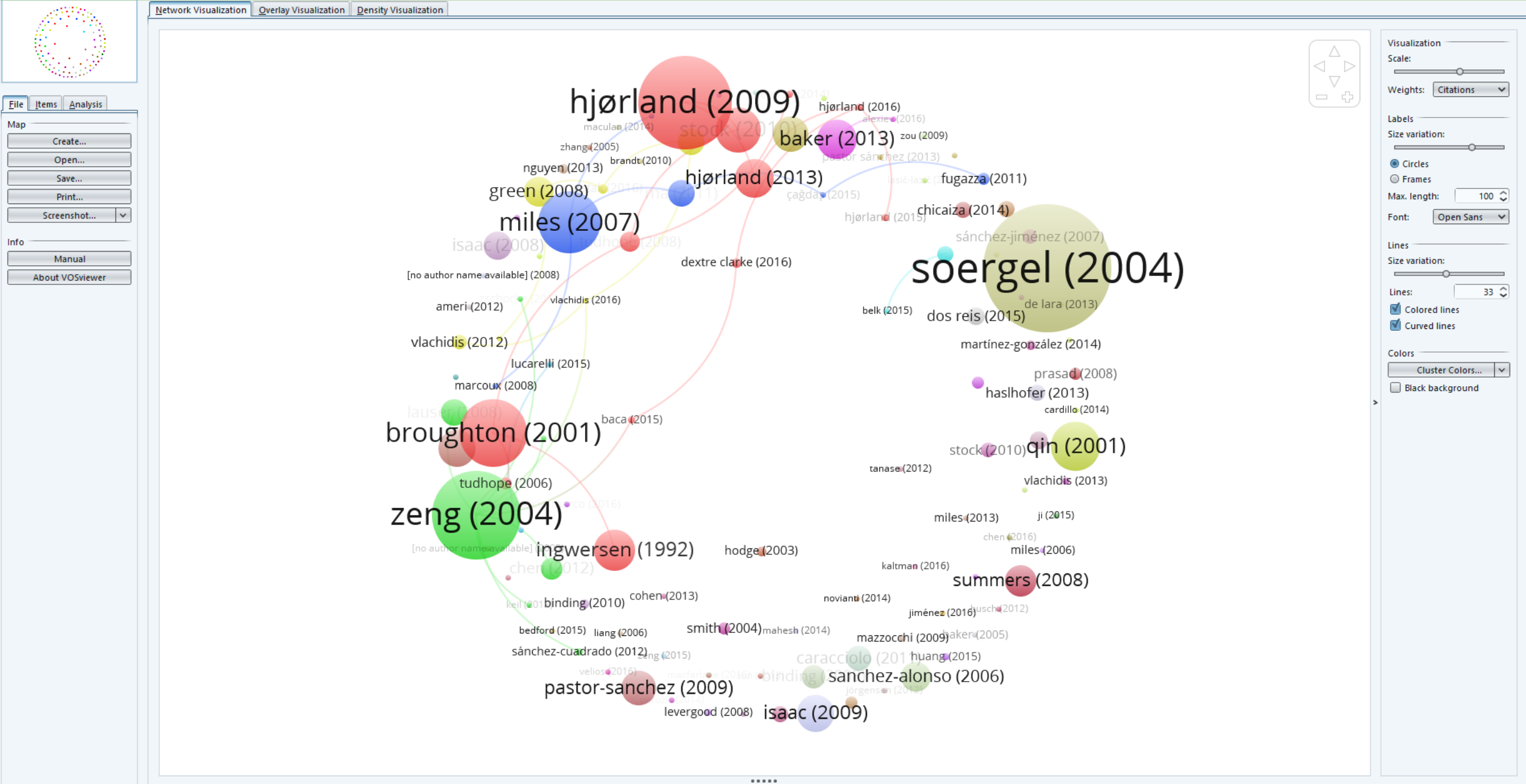
Black background



# SCO\_115Refs\_Co-authorship\_Countries

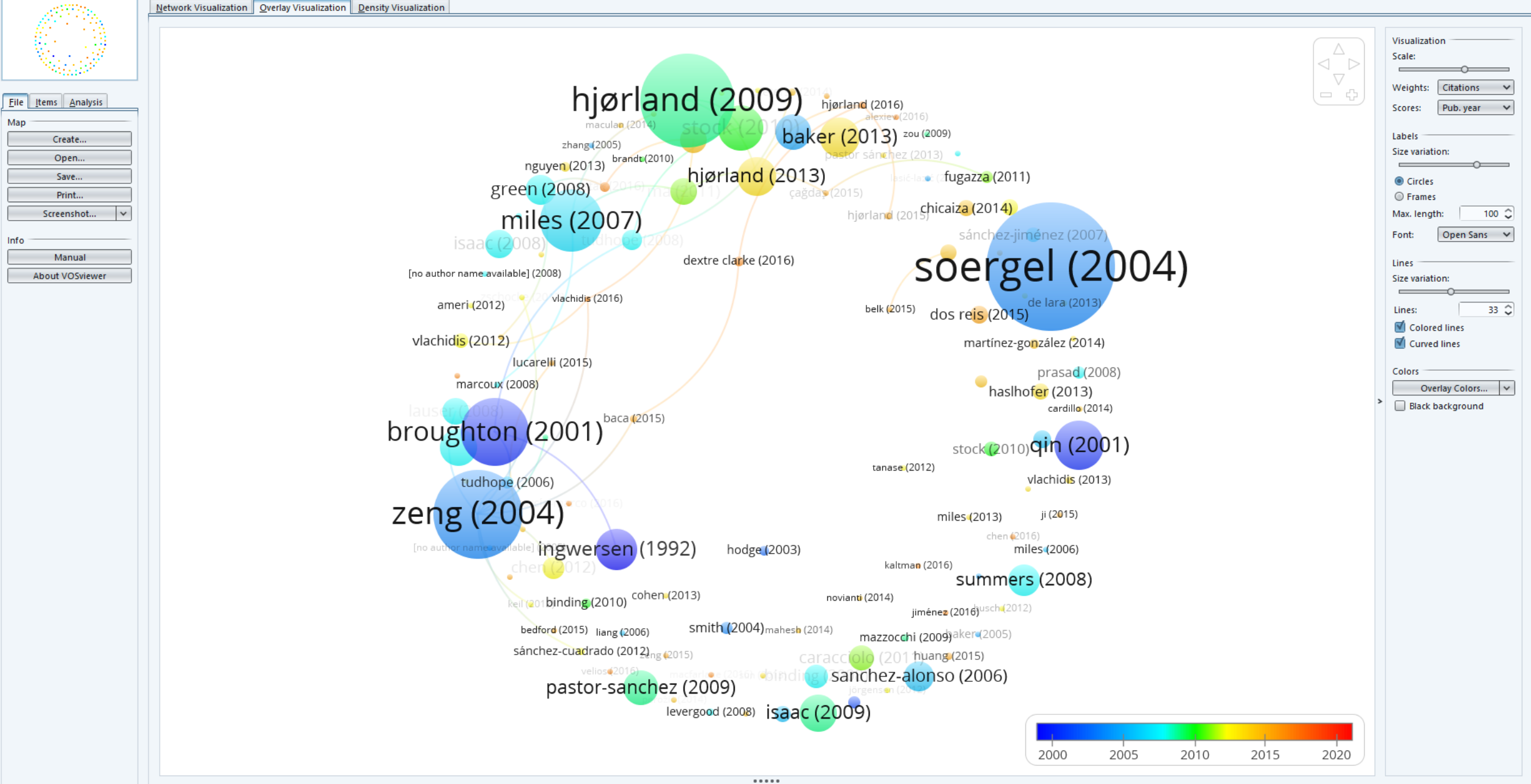


# SCO\_115Refs\_Citations\_Documents





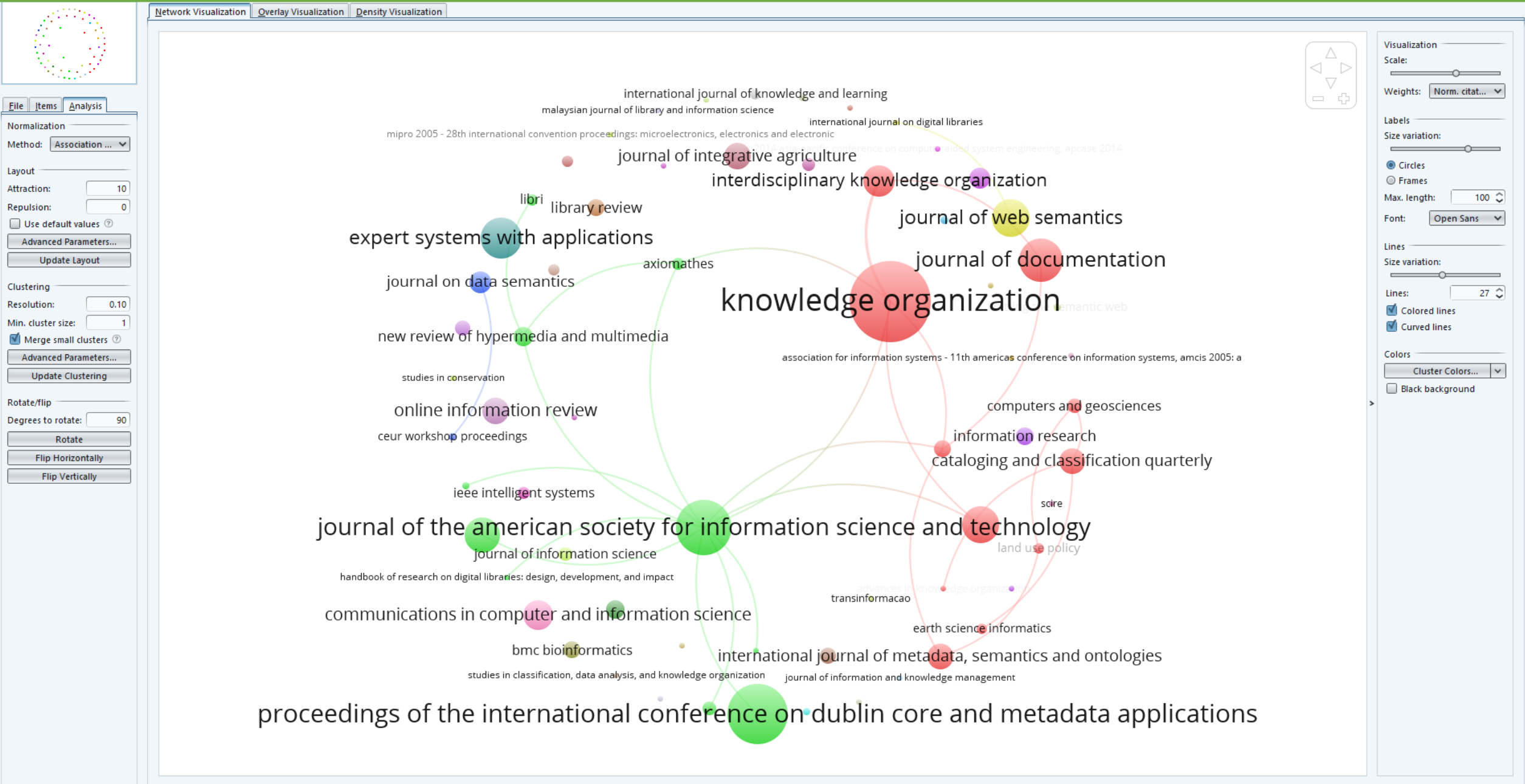
# SCO\_115Refs\_Citations\_Documents



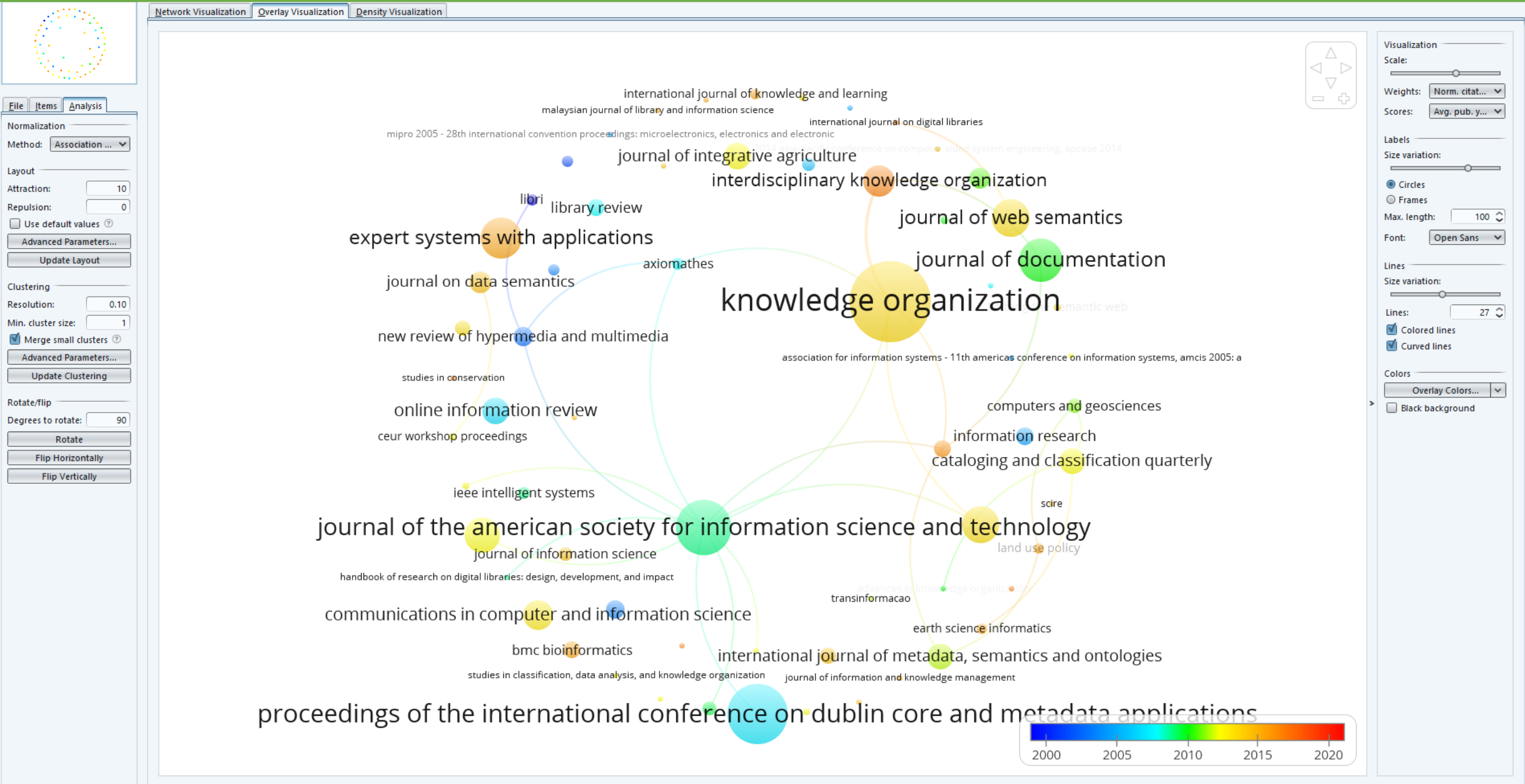




# SCO\_115Refs\_Citations\_Sources



# SCO\_115Refs\_Citations\_Sources



File Items Analysis

Normalization  
Method: Association ...

Layout  
Attraction: 10  
Repulsion: 0  
 Use default values ?  
Advanced Parameters...  
Update Layout

Clustering  
Resolution: 0.10  
Min. cluster size: 1  
 Merge small clusters ?  
Advanced Parameters...  
Update Clustering

Rotate/flip  
Degrees to rotate: 90  
Rotate  
Flip Horizontally  
Flip Vertically

Visualization

Scale: [Slider]

Weights: Norm. citat...  
Scores: Avg. pub. y...

Labels  
Size variation: [Slider]

Circles  
 Frames

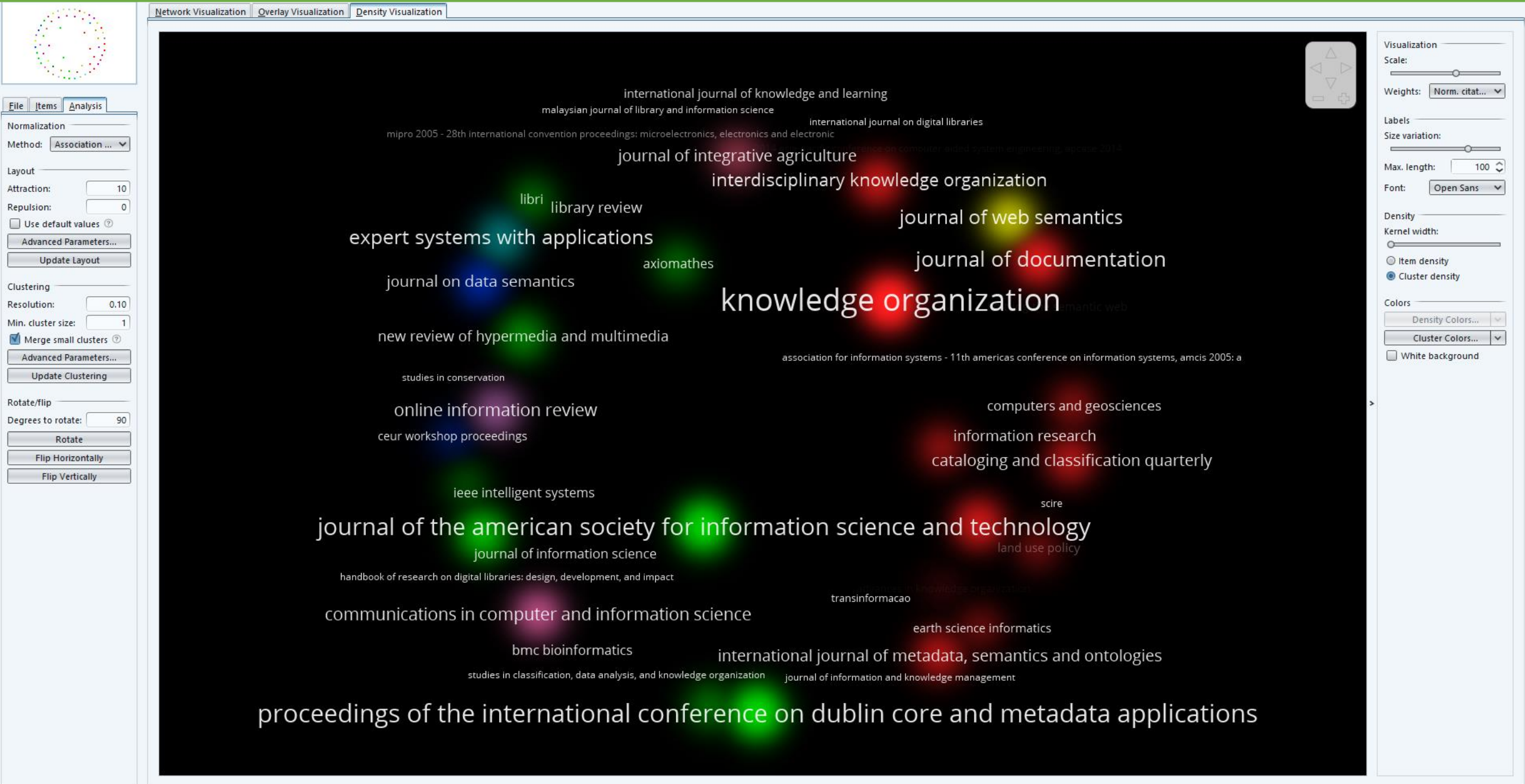
Max. length: 100  
Font: Open Sans

Lines  
Size variation: [Slider]

Lines: 27  
 Colored lines  
 Curved lines

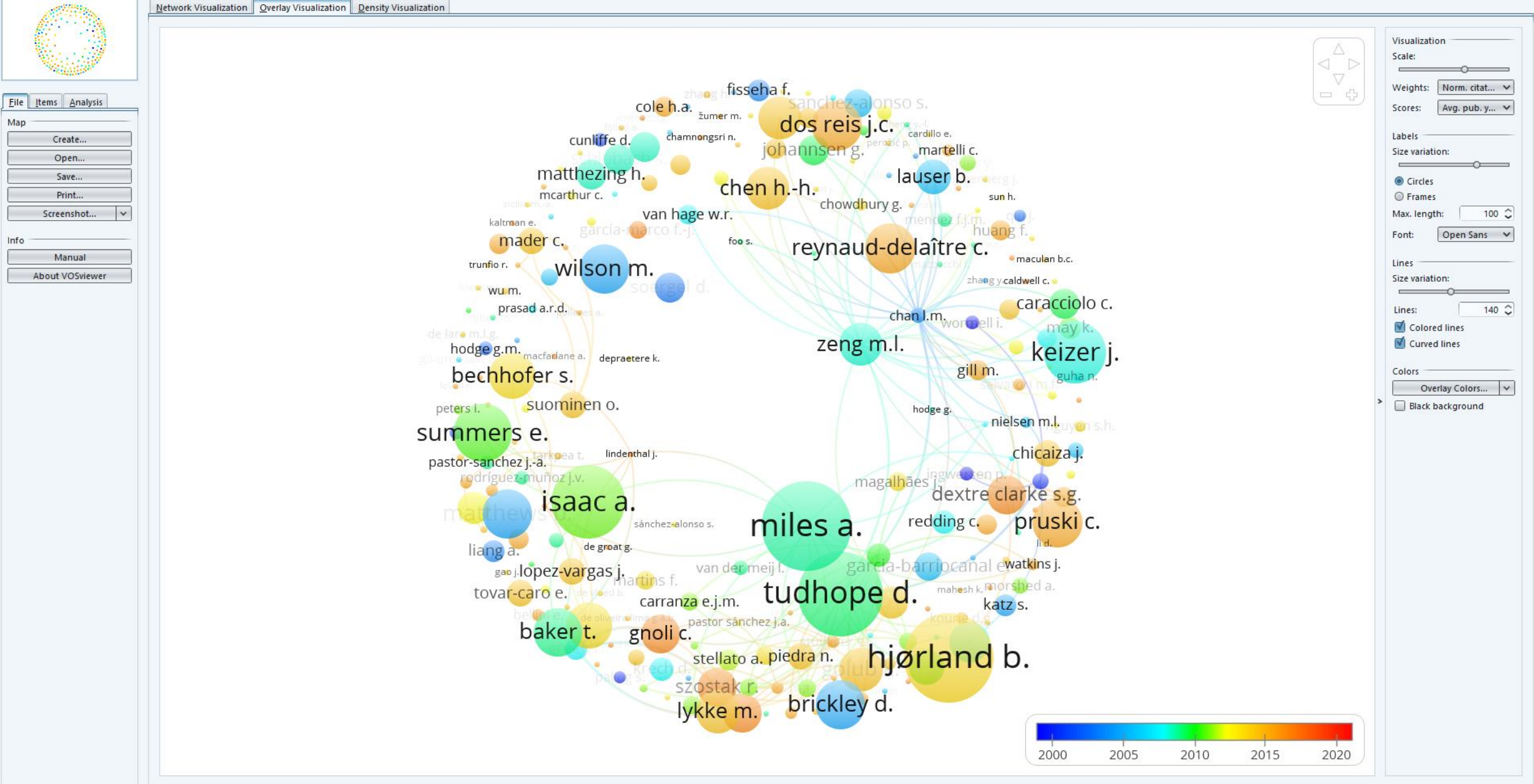
Colors  
Overlay Colors...  
 Black background

# SCO\_115Refs\_Citations\_Sources

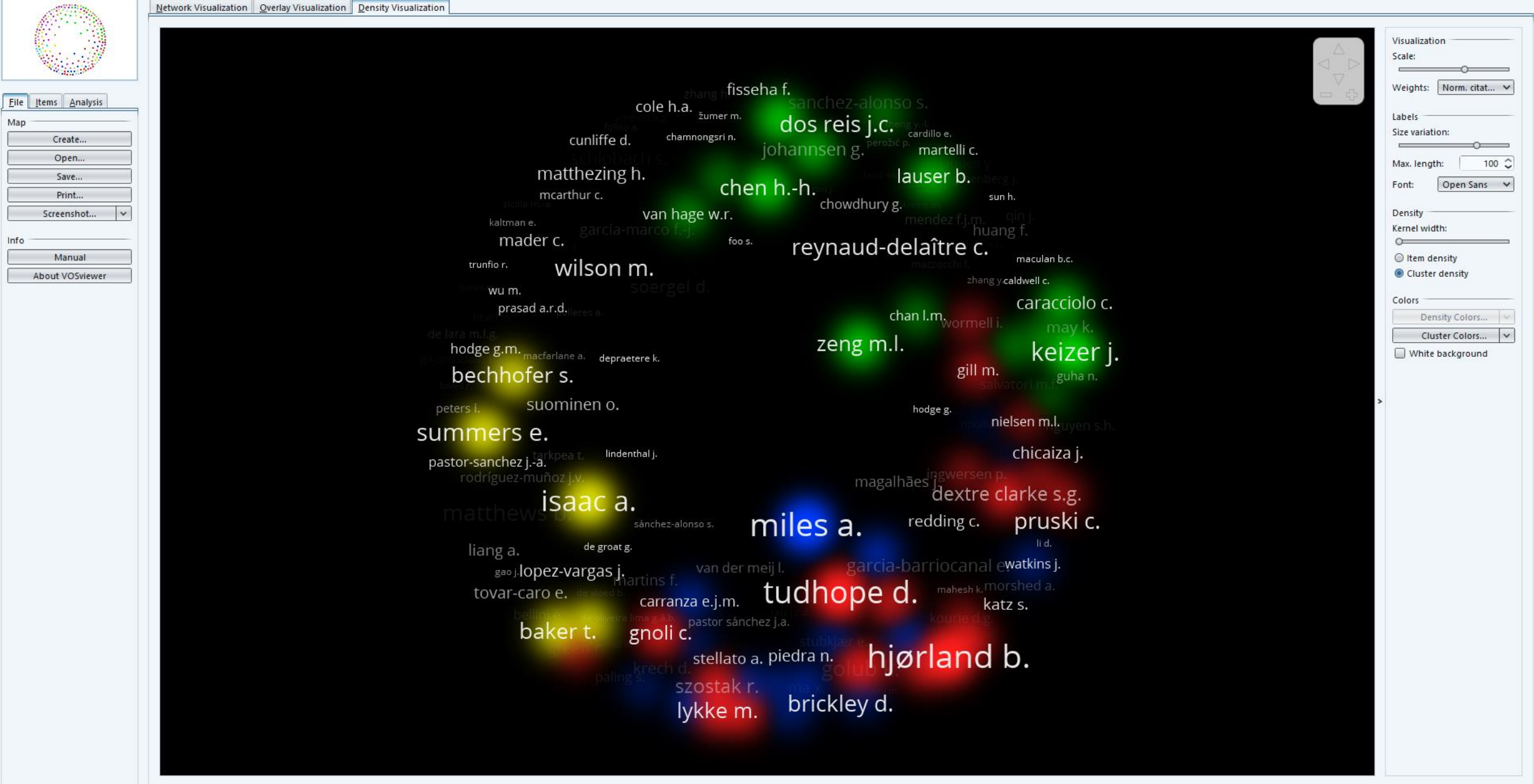




# SCO\_115Refs\_Citations\_Authors



# SCO\_115Refs\_Citations\_Authors



File | Items | Analysis

Map

Create...  
Open...  
Save...  
Print...  
Screenshot... ▾

Info

Manual  
About VOSviewer



Visualization

Scale:

Weights: Norm. citat... ▾

Labels

Size variation:

Max. length: 100 ▾

Font: Open Sans ▾

Density

Kernel width:

Item density  
 Cluster density

Colors

Density Colors... ▾  
Cluster Colors... ▾

White background





# SCO\_115Refs\_Citations\_Organizations



File Items Analysis

Map

Create...

Open...

Save...

Print...

Screenshot...

Info

Manual

About VOSviewer



Visualization

Scale: [Slider]

Weights: Norm. citat...

Scores: Avg. pub. y...

Labels

Size variation: [Slider]

Circles

Frames

Max. length: 100

Font: Open Sans

Lines

Size variation: [Slider]

Lines: 99

Colored lines

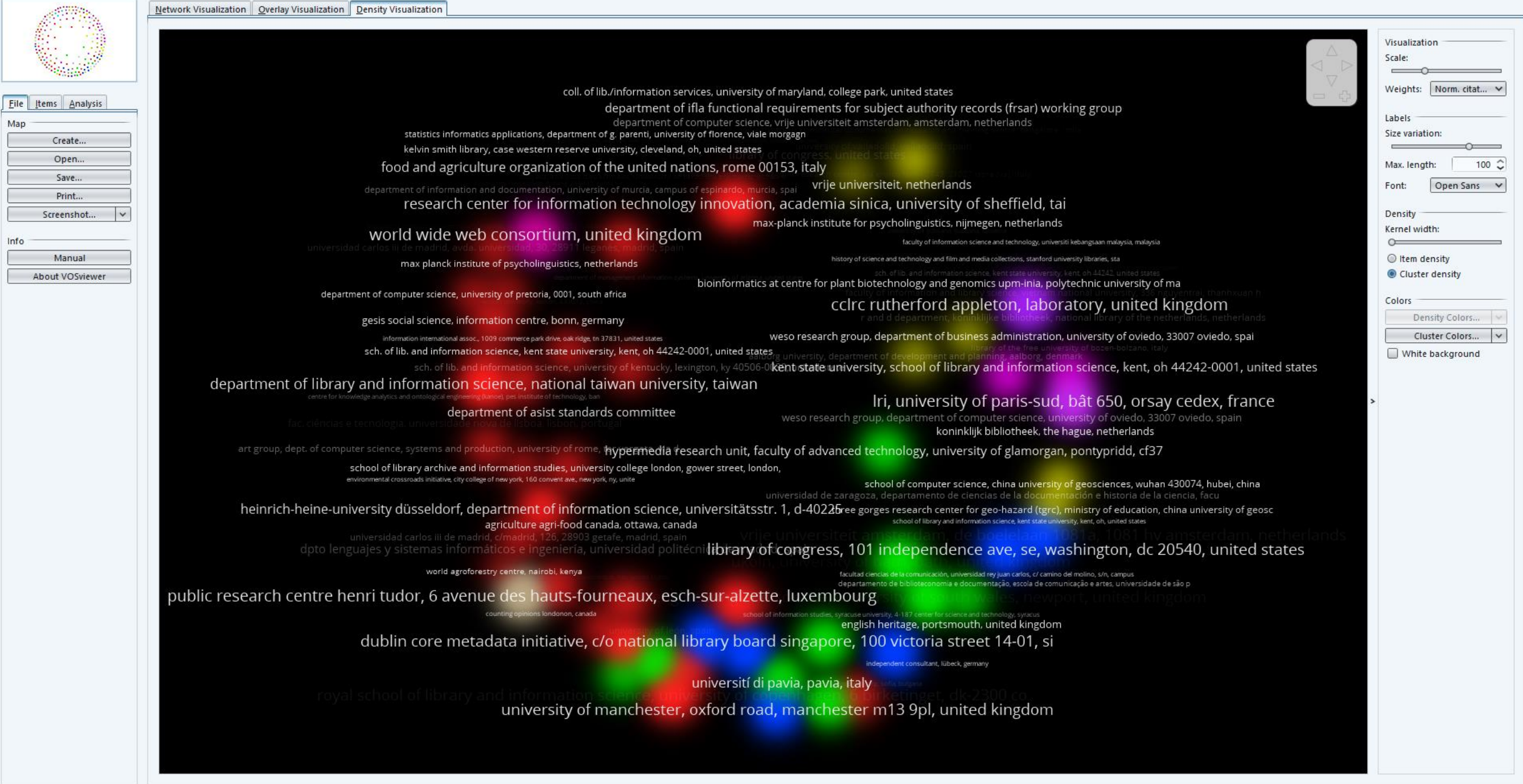
Curved lines

Colors

Overlay Colors...

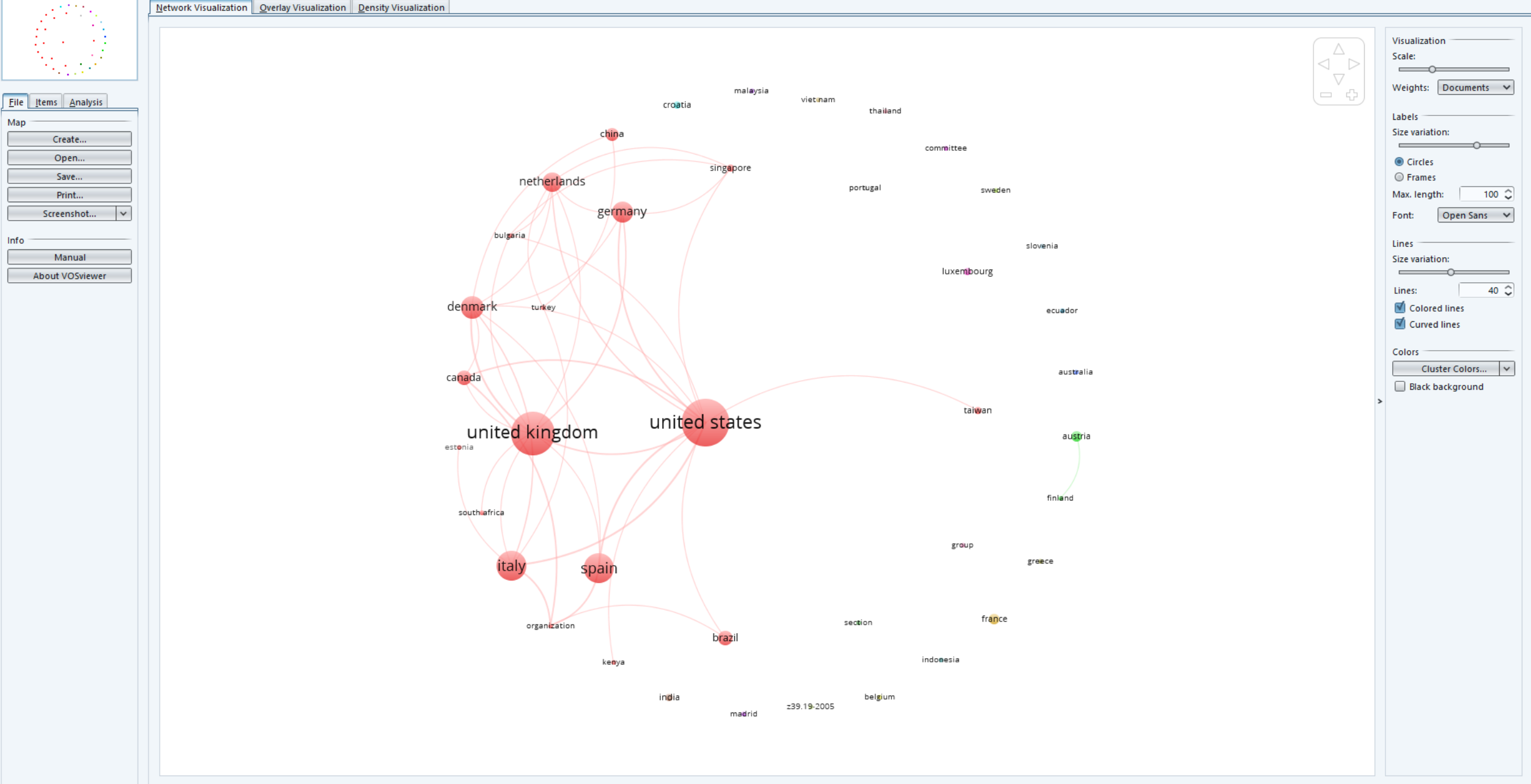
Black background

# SCO\_115Refs\_Citations\_Organizations

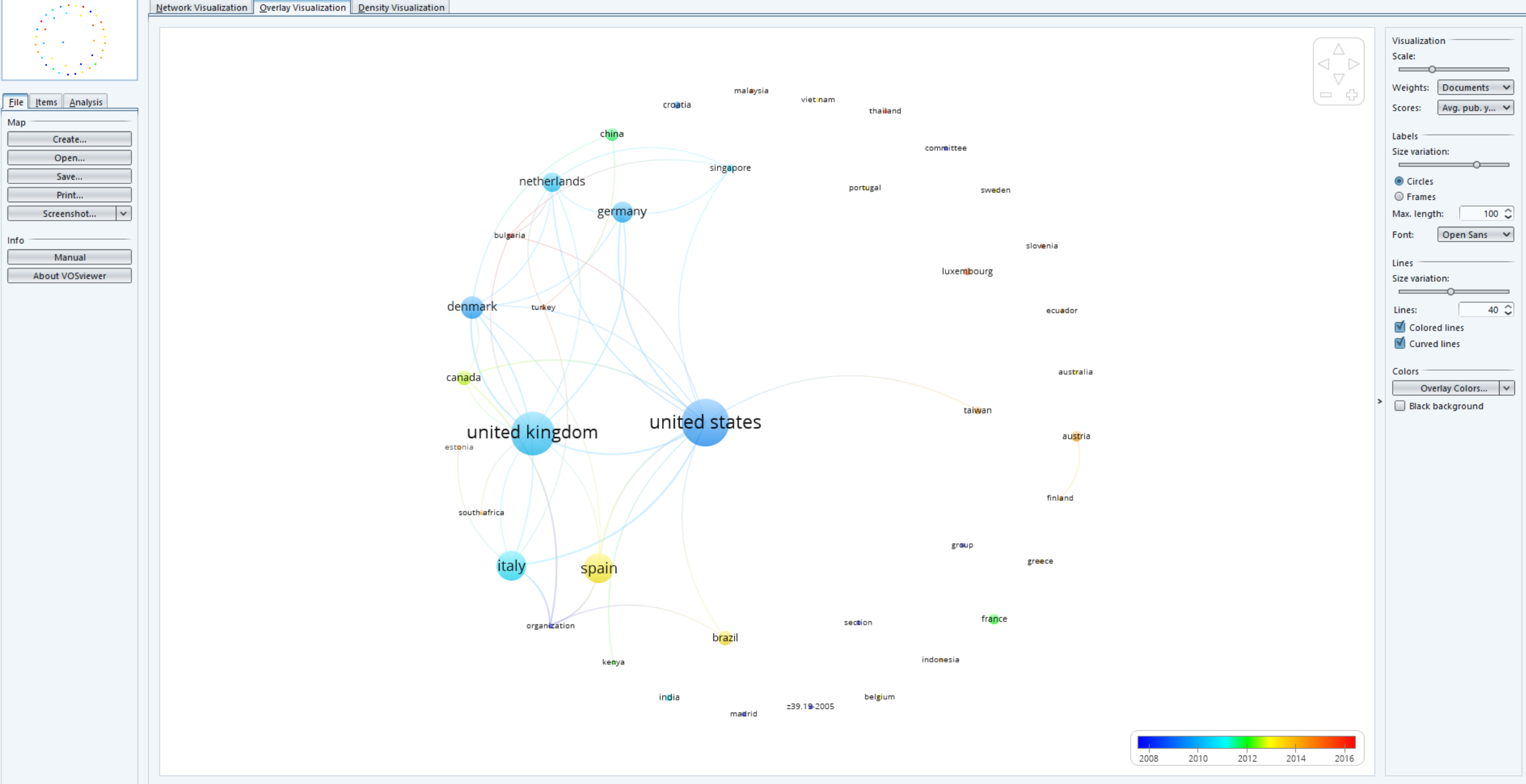




# SCO\_115Refs\_Citations\_Countries



# SCO\_115Refs\_Citations\_Countries



File | Items | Analysis

Map

Create...  
Open...  
Save...  
Print...  
Screenshot... ▾

Info

Manual  
About VOSviewer

Visualization

Scale:

Weights: Documents ▾

Scores: Avg. pub. y... ▾

Labels

Size variation:

Circles  
 Frames

Max. length: 100 ▾

Font: Open Sans ▾

Lines

Size variation:

Lines: 40 ▾

Colored lines  
 Curved lines

Colors

Overlay Colors... ▾

Black background

# SCO\_115Refs\_Citations\_Countries

