Book editors as nodes in a collaboration network in the SS&H: Does it make a difference?

Truyken Ossenblok, Raf Guns & Mike Thelwall (&Tim Engels)
Nordic Workshop
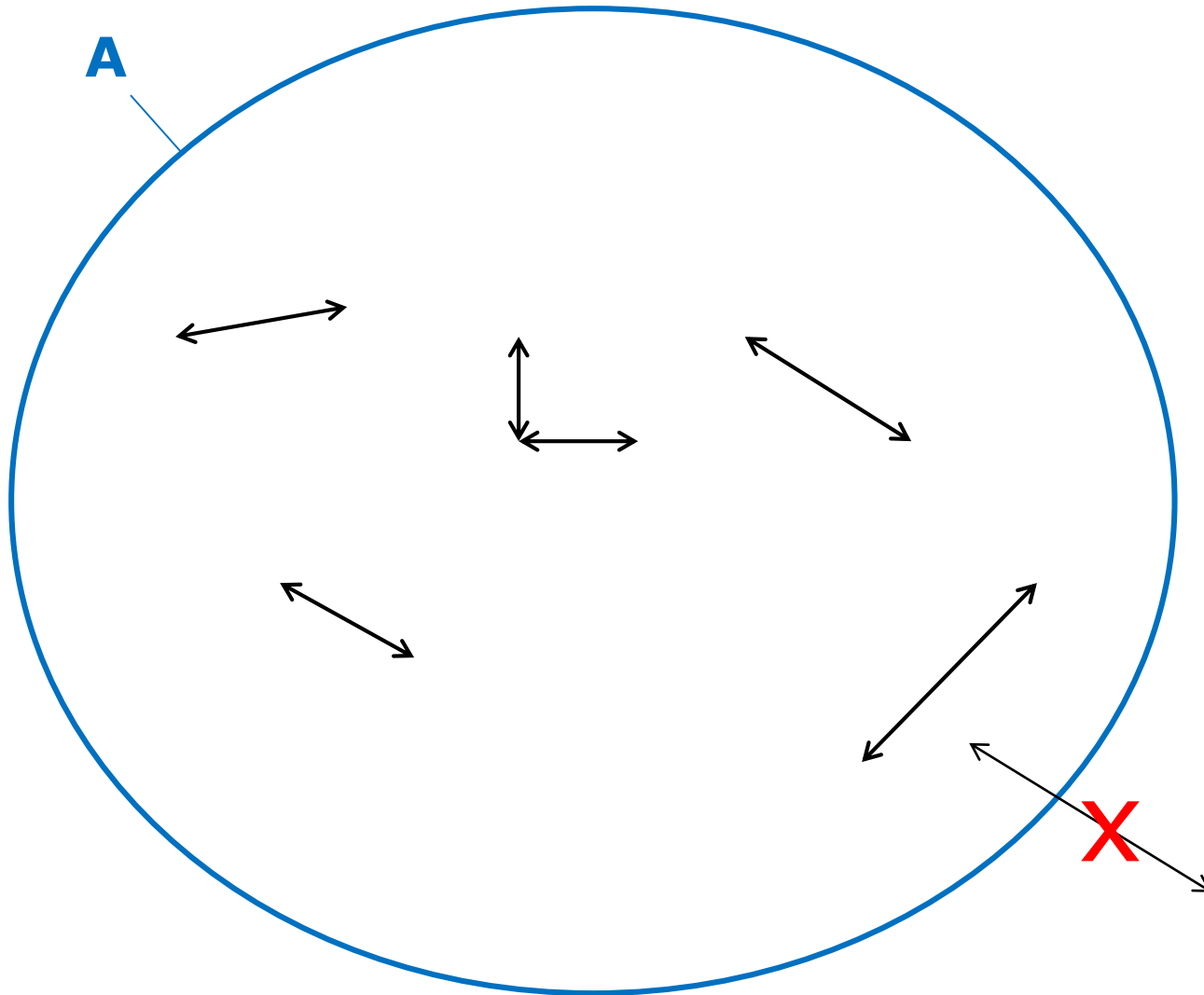26 September 2014, Reykjavik

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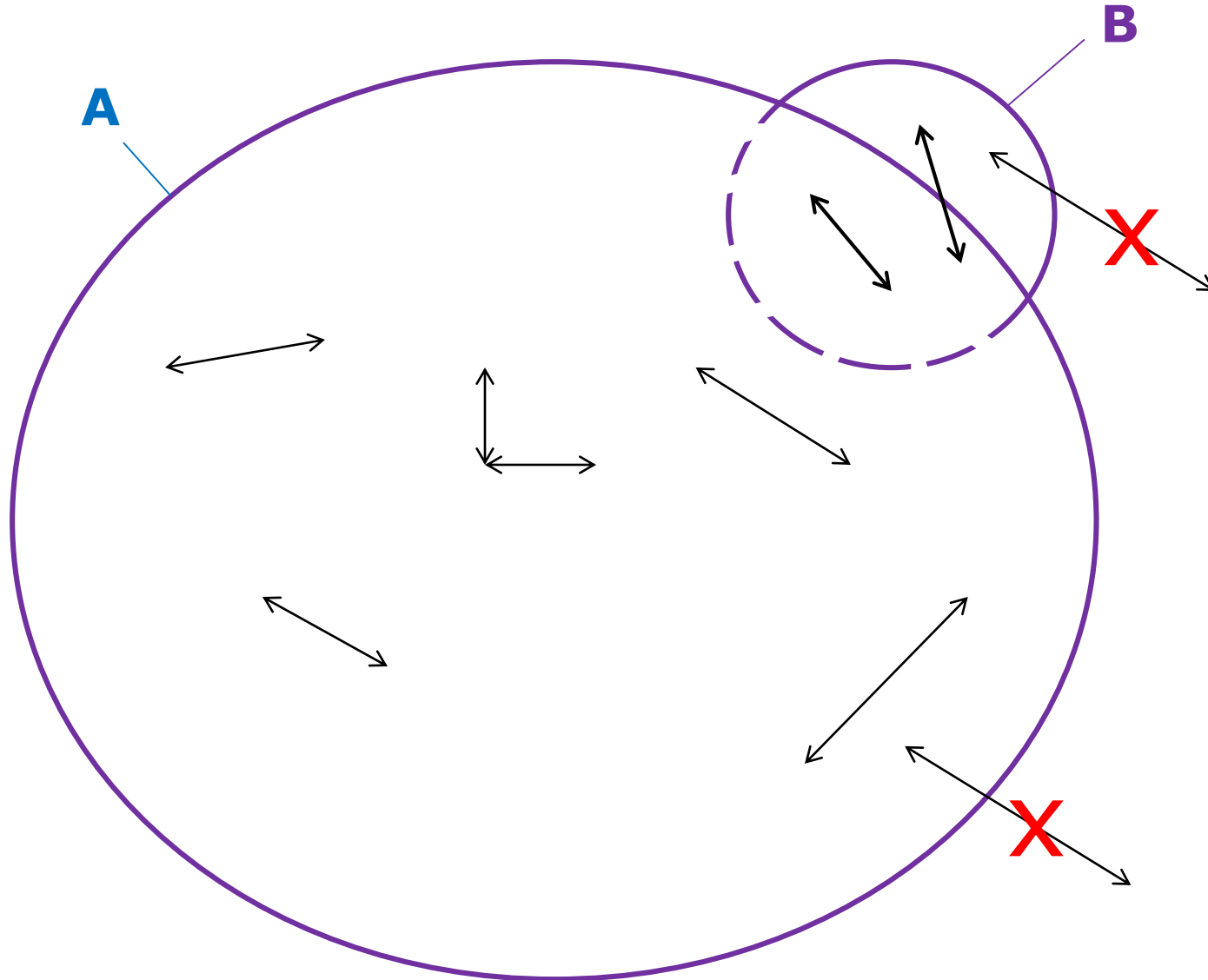
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Network A: co-author links
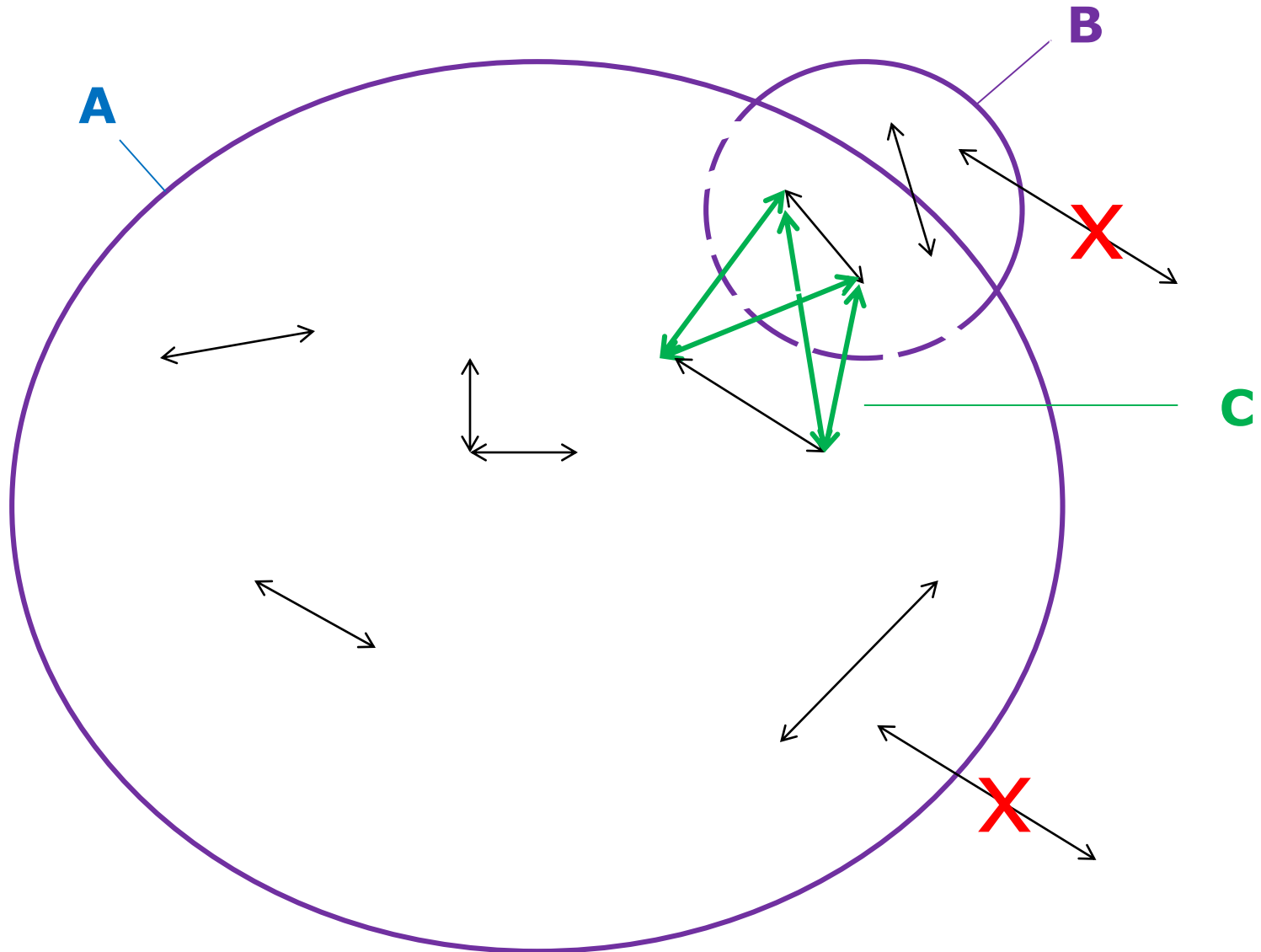#authors: 10186 ; #records: 40910

Network B: adding co-editor links
authors & editors: 10210; # records: 41635

Network C: adding author-editor link
authors & editors: 10210; # records: 41635

A

B

C

X

X

Definition edited books

"a collection of chapters written by different authors collected and harmonized by one or more editors"

Source: Ossenblok, T & Engels, T. (2014). Edited books in the Social Sciences and Humanities: Characteristics and Collaboration analysis, to be submitted.

Data set

VABB-SHW

+

Online & Library

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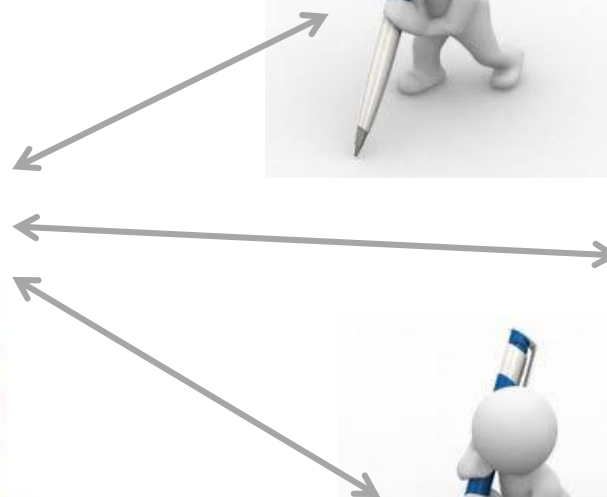
Data set

Publication type	# Flemish auts/ eds	%	# records	%
Total	10714	+++	41635	100
Articles	10087	94,1	33474	80,4
Monographs	532	5,0	571	1,4
Book chapters	2544	23,7	5669	13,6
Proceedings	1255	11,7	1196	2,9
Edited books	1533 (24 only eds)	14,3	725	1,7

Pajek
Dobrodošli na mreži rešitev

- Creating networks (with Mike Thelwall)
- Calculating and analysing the network measures (with Raf Guns)

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Measures	Only authors (A-network)	Including Editors (B-network)	Including link editors-authors (C-network)
# authors/editors	10685	10714	10714
# links	33497	33796	36502
# links weight 1	20981 (62%)	21117 (62%)	23062 (63%)
# links weight >1	12516 (38%)	12679 (38%)	13440 (37%)
# components	1757	1669	1327
# authors/editors in largest component	8484 (79%)	8605 (80%)	9120 (85%)
# Components with 1 author/editor	1520 (14%)	1440 (13%)	1182 (11%)
Density	0,00587	0,00589	0,00636

Network analyses

Individuals:

editor	# edited books	discipline
X	9	Educational Sciences
Y	12	Theology
Z	18	Linguistics

Network analyses

	Only authors (A-network)	**Including Editors** (B-network)	**Including link editors-authors** (C-network)
Degree Centrality			
Editor X	5	6	20
Editor Y	0	4	24
Editor Z	1	7	28
Average degree			
Whole network	6,269	6,308	6,813
Degree Centralization			
Whole network	0,01794889	0,01789667	0,01784951

Network analyses

	Only authors (A-network)	Including Editors (B-network)	Including link editors-authors (C-network)
Betweenness Centrality			
Editor X	0,0005079	0,0005528	0,0026555
Editor Y	0	0,0002998	0,0019879
Editor Z	0	0,00153	0,0060538
Betweenness centralization			
Whole network	0,02358511	0,02373334	0,02382350

Conclusions:

- **Yes**, it makes a difference for individuals

- **No**, it doesn't make a large difference for the whole network

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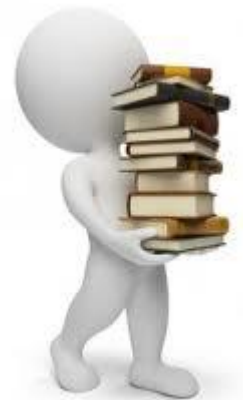
Future research:

- Other networkmeasures
- Weighted and unweighted
- Evolution over time: 2000-2005 & 2006-2011
- SSH, SS & H, different disciplines
- Different publication types
- Individual author-editors
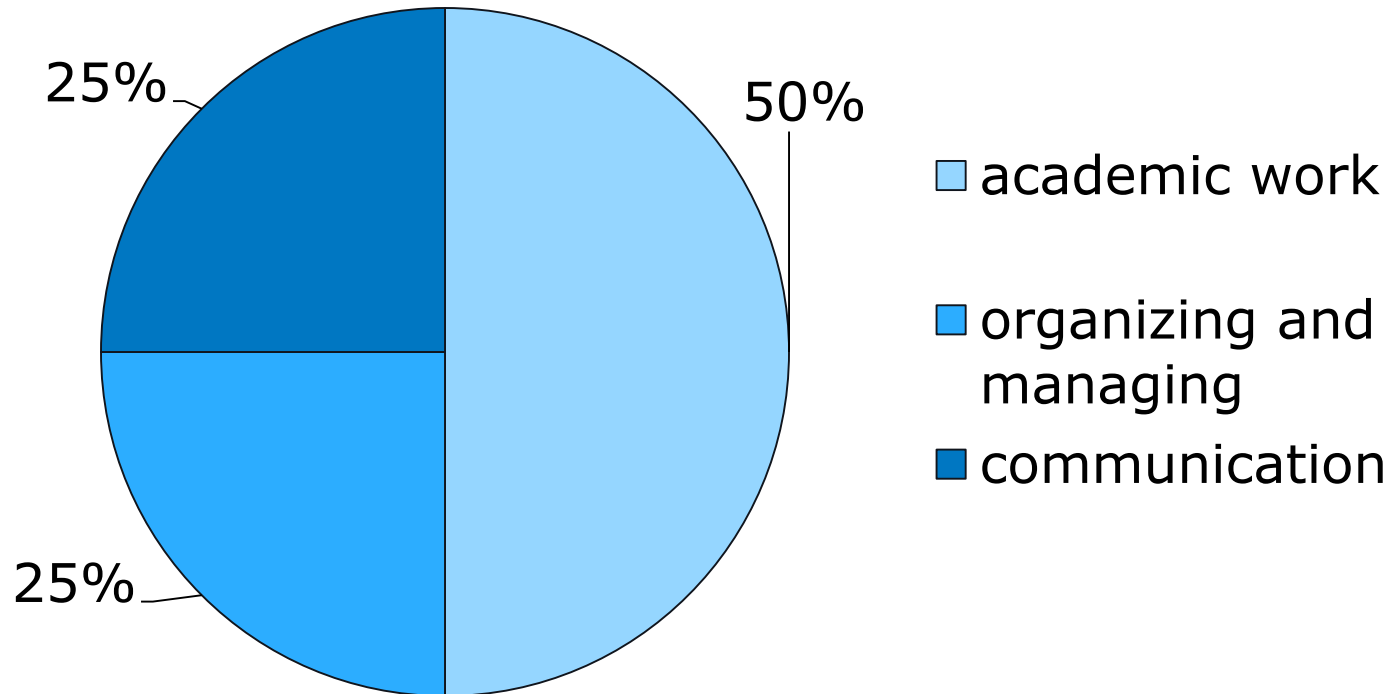- Seniority of authors/editors

- …

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Questions:

- How do you value the edited book compared to articles and monographs?

- Why is the edited book not always fully evaluated as academic work?

- Would it be a good idea to include the edited book in future network studies?

- How to compare weighted networks?

Collaboration in edited books

Source: Thomas, C. S. & Hrebenar, R. J. (1993). Editing Multiauthor Books in Political Science: Plotting your way through an academic minefield. Political Science and Politics, 26, 778-783.

Chart showing percentage of VABB-publications by discipline, split between Edited books and Book Chapters VABB:

Discipline	
Literature	~38%
Theology	~39%
Linguistics	~30%
History of Arts	~25%
History	~25%
Philosophy	~24%
Political Sciences	~21%
Communication studies	~19%
Criminology	~12%
Archology	~13%
Sociology	~11%
Educational Sciences	~11%
Law	~10%
Economics	~9%
Pscyhology	~4%
Social Health Sciences	~2%

More than 20% of VABB-publications are edited books and book chapters

Legend: ■ Edited books ■ Book Chapters VABB

X-axis: 0% 10% 20% 30% 40% 50%