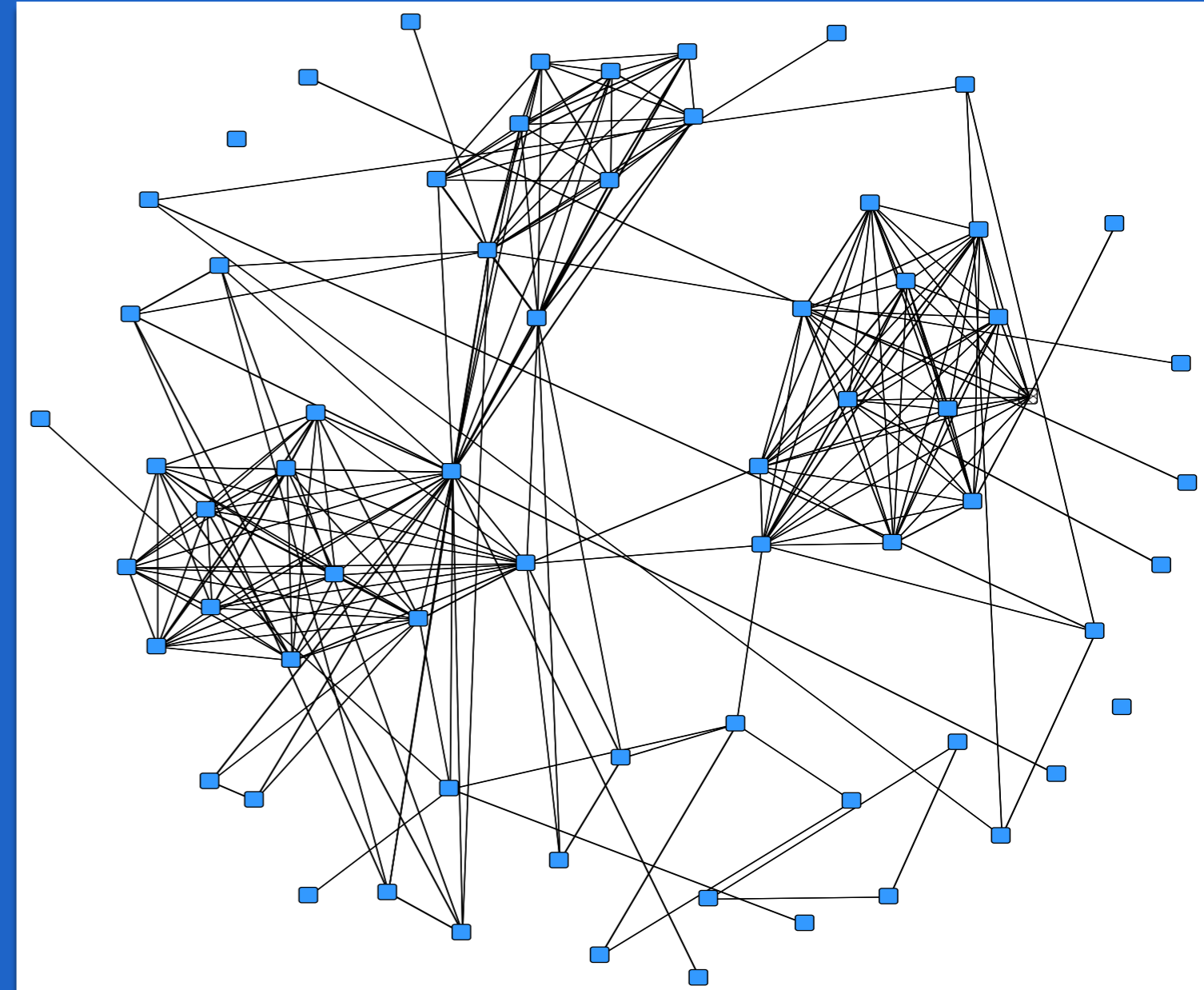
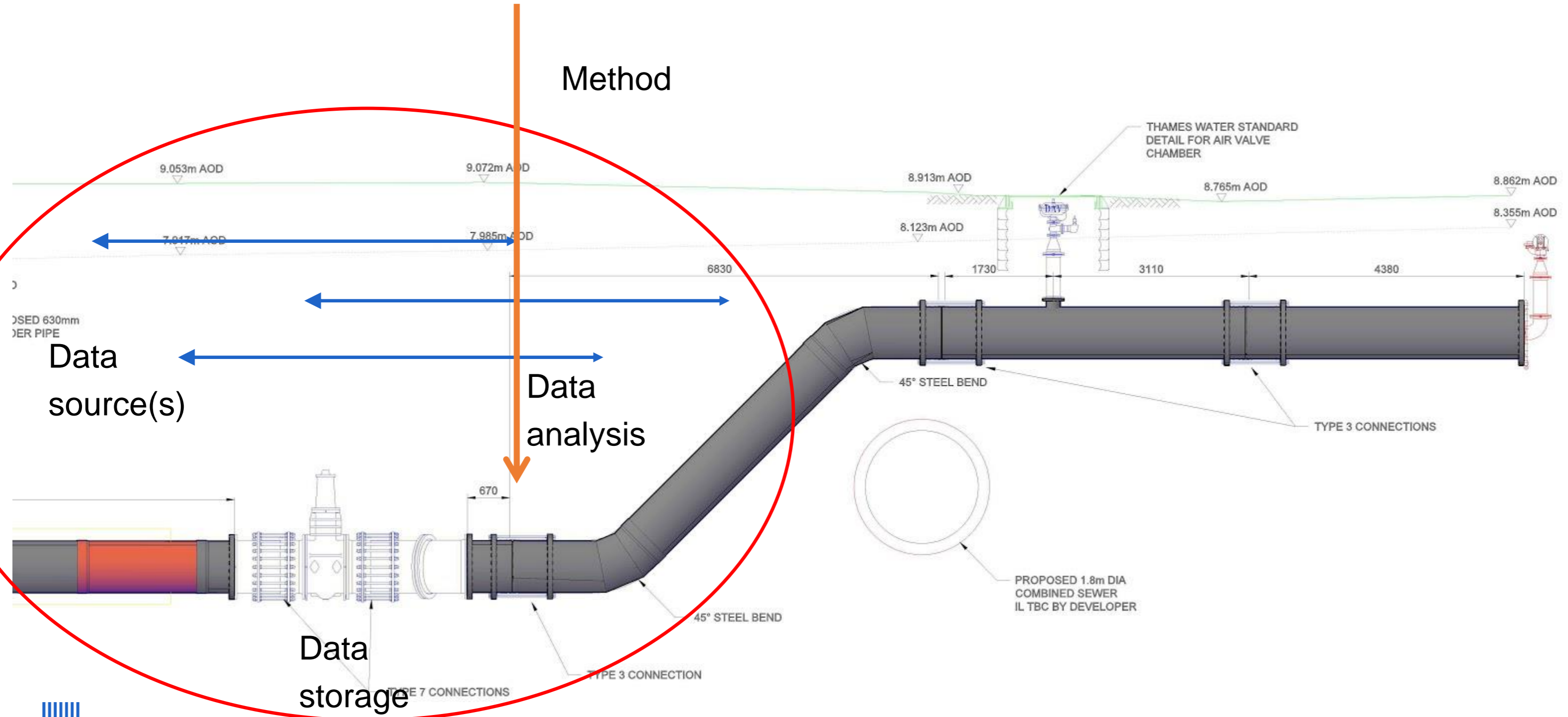


# LINKED DATA AS METHOD

Julie M. Birkholz & Marianne Van Remoortel

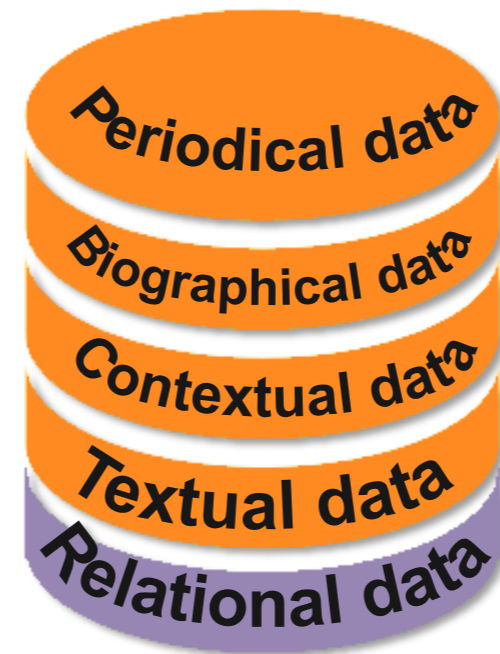
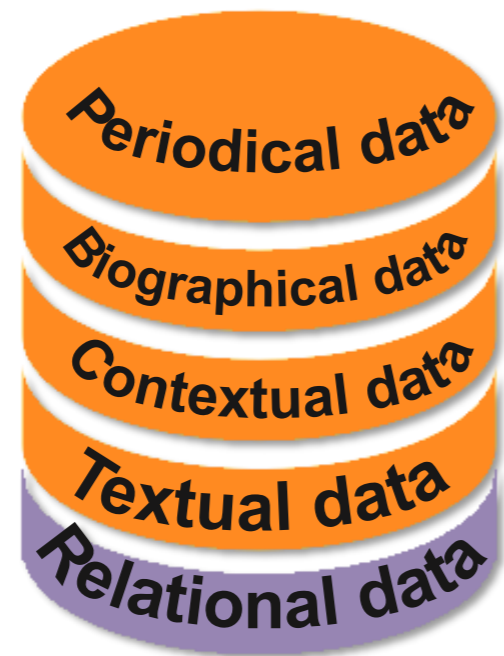


# DATA PIPELINE



# LINKED DATA

- The publishing of structured data;
- Inherently relational.
- The case of periodicals:



# AN ONTOLOGY

- Linkable through the use of a computer ontology - formal way to describe taxonomies and classification of relations:



# LINKED DATA

- Efficiently and automatically link data through these markers
  - both within our own datasets and
  - With data that may be distributed;
- Develop specific (SPARQL) queries;
  - To create specific subcopora.

# LINKED DATA

- Lends
  - to research questions that are relational in nature.
  - And methods that explore patterns in relations.
- > network perspective (Groth & Gil 2011)

# EXAMPLE: [HTTP://WWW.WECHANGED.UGENT.BE/](http://www.wechanged.ugent.be/)

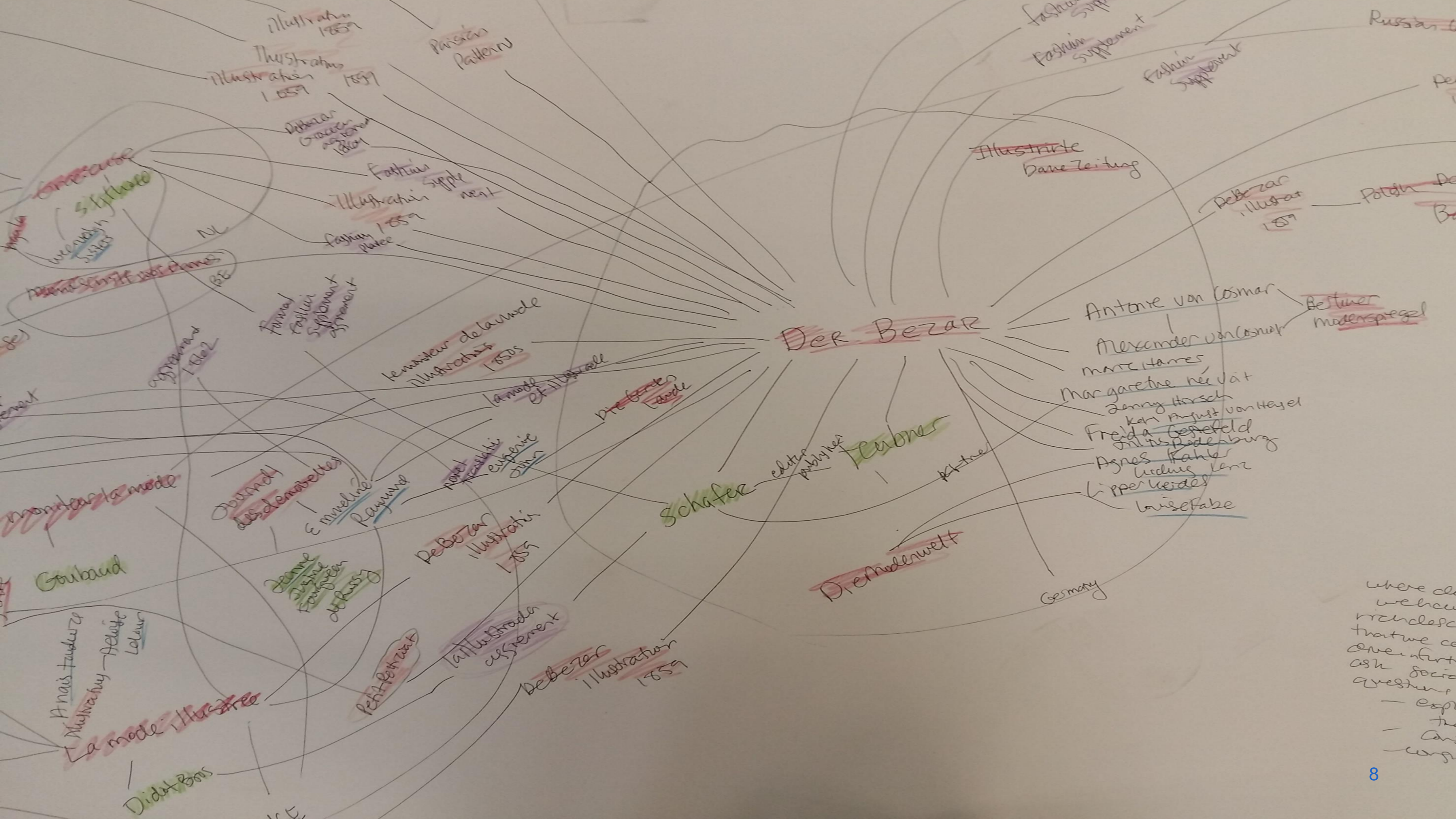


The screenshot shows a Google Books search result for 'Ladies' Companion and Monthly Magazine'. The page features the book's title, 'LADIES' COMPANION AND MONTHLY MAGAZINE', and a decorative floral illustration. It includes a 'Books' section with a search bar, 'Add to my library', and 'Write review' buttons. The book is listed as 'EBOOK - FREE' and has '0 Reviews'. The 'About this book' section includes links for 'My library', 'My History', 'Books on Google Play', and 'Terms of Service'. At the bottom, there are tabs for 'Overview', 'Cross-Referenced', 'Discussion', and 'Analyse'. The main content area displays the book's metadata:

<b>WCD_PID</b>	wcd_00002_pid
<b>Worldcat</b>	<a href="http://www.worldcat.org/oclc/64216652">http://www.worldcat.org/oclc/64216652</a>
<b>Title</b>	Ladies' Companion and Monthly Magazine
<b>Publisher</b>	Rogerson and Tuxford
<b>Place of Publication</b>	London (GB) %
<b>Start date</b>	1849
<b>End date</b>	1870

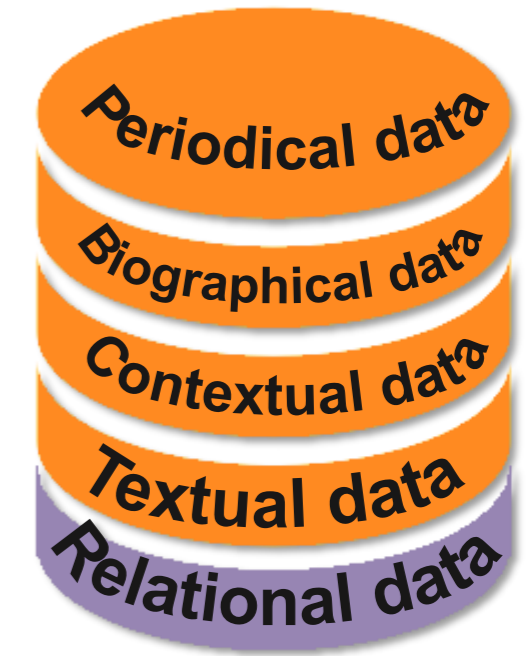
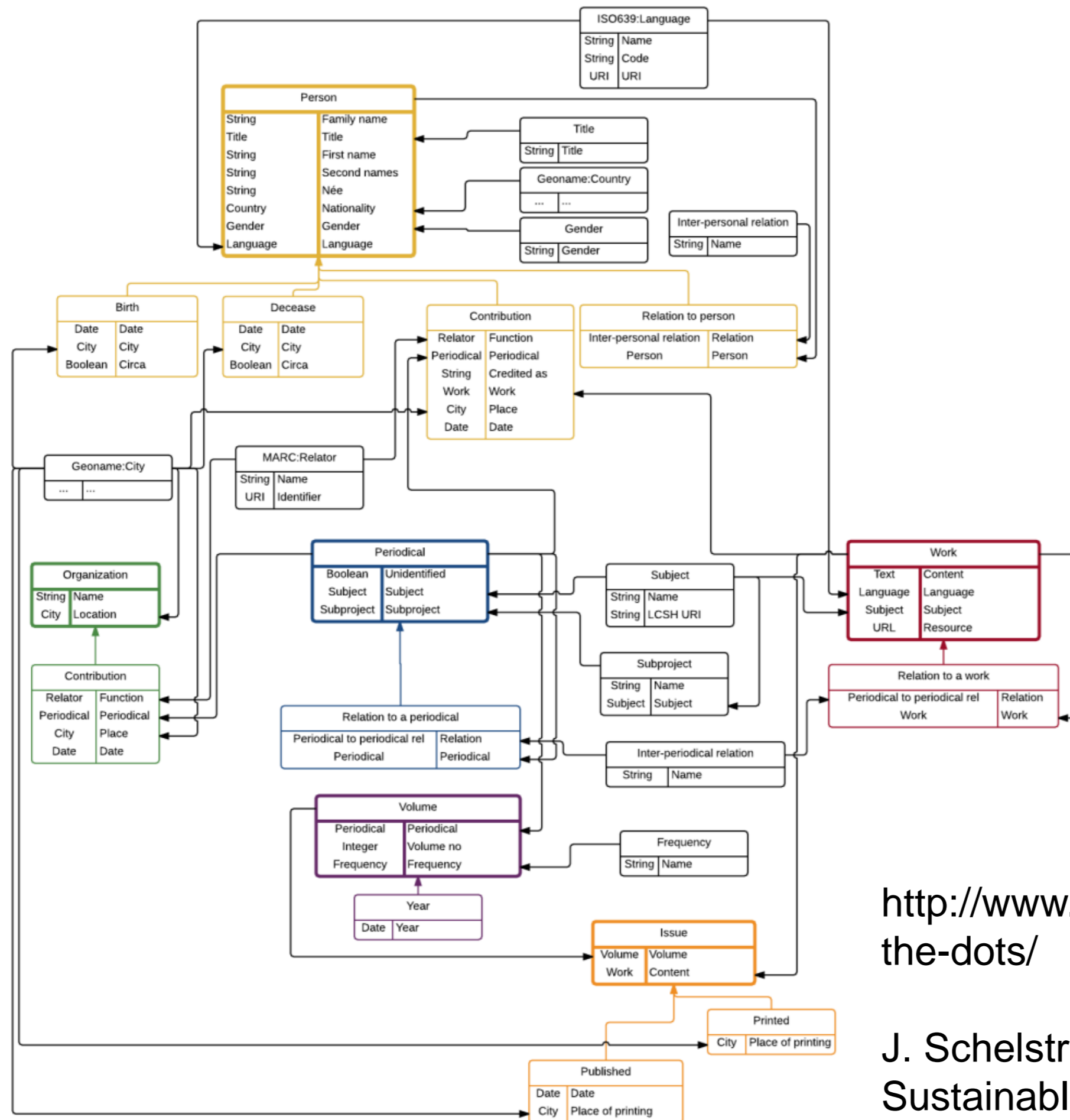
Additional information includes '246, STRAND.' and an 'edit' button.

Der Bezar



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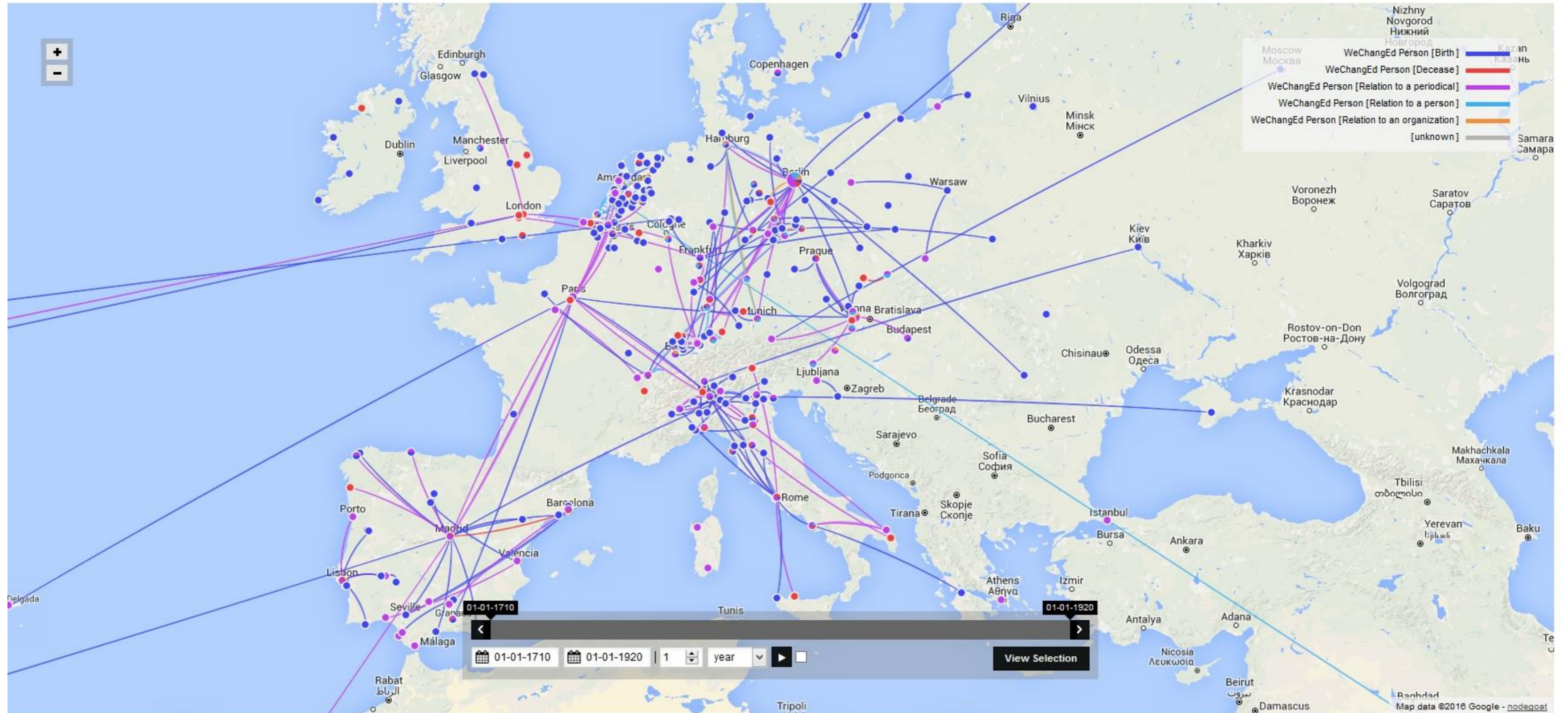




<http://www.wechanged.ugent.be/blog/organizing-the-dots/>

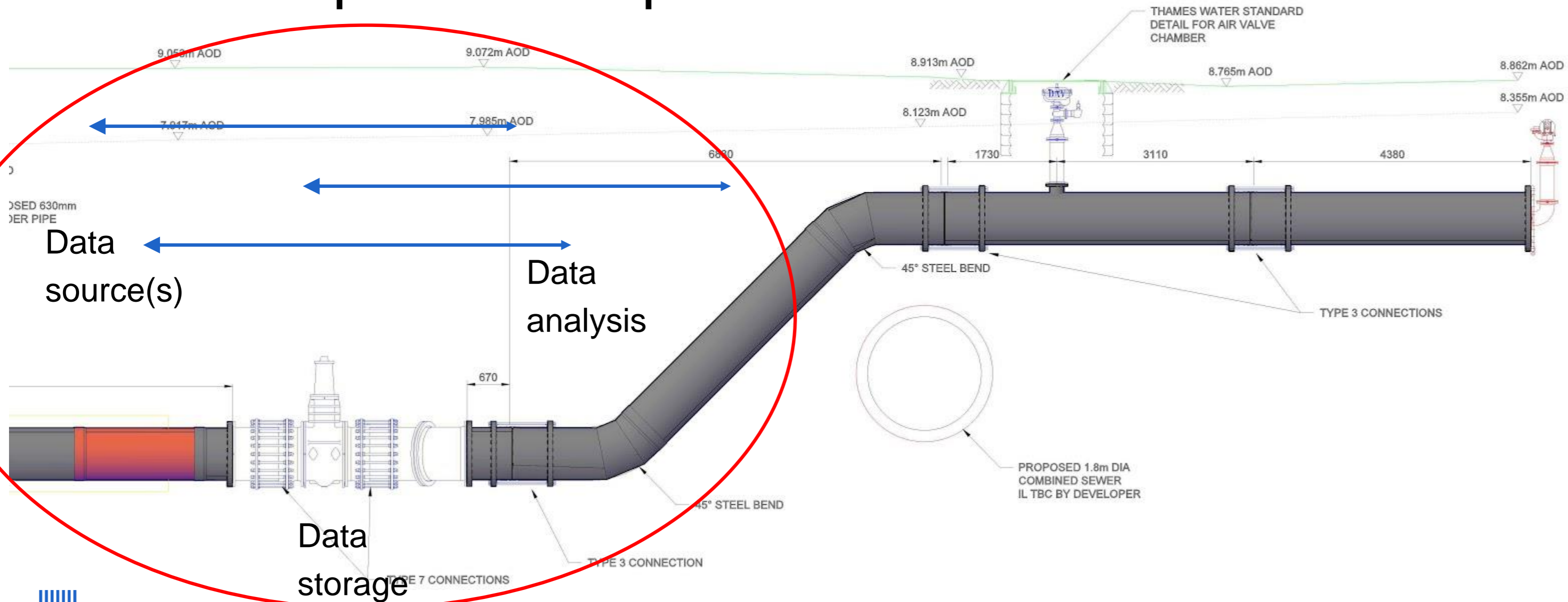
J. Schelstraete & M. Van Remoortel. "Towards a Sustainable and Collaborative Data Model for Periodical Studies". Media History (under review).

# PEOPLE + BIRTH/DEATH LOCATION + PERIODICALS



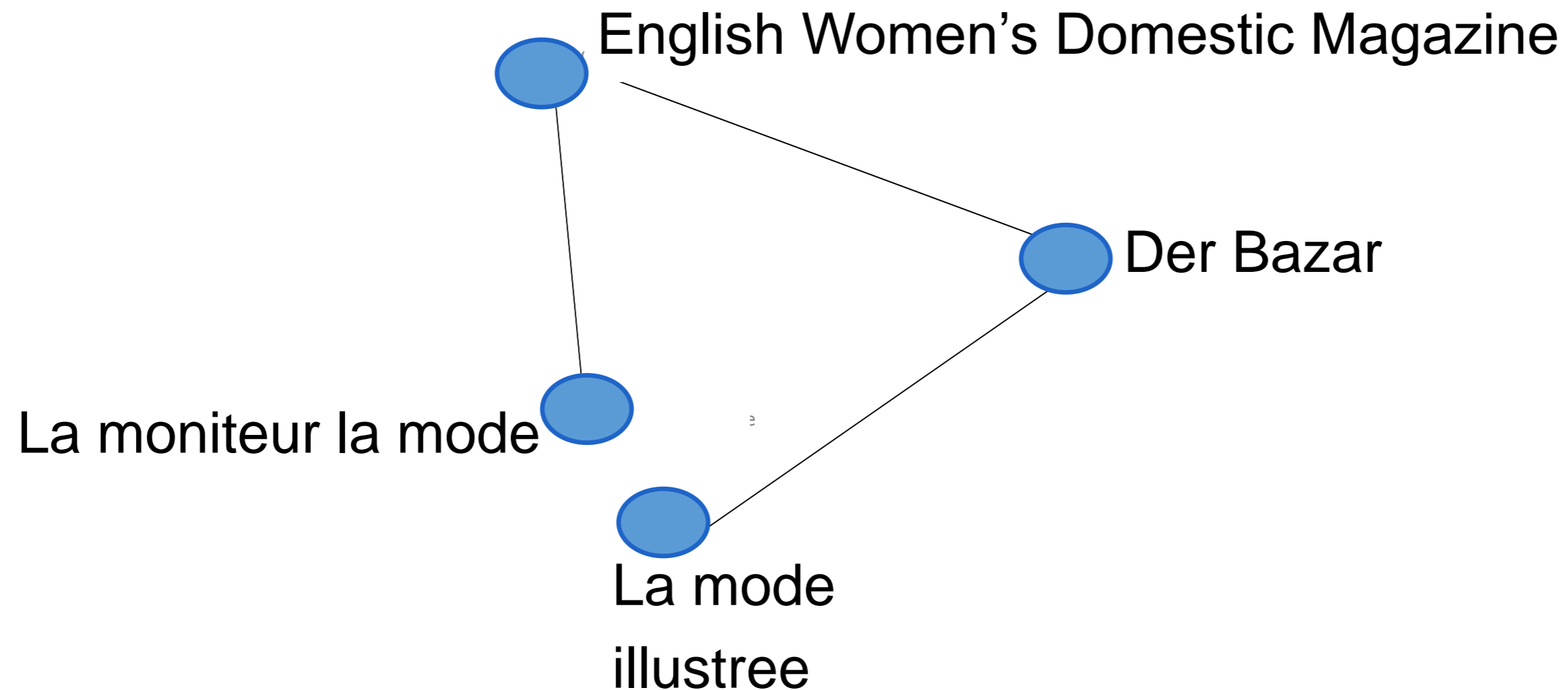
# METHOD: THE BACK AND FORTH

Which lens – sets of objects, we should consider is research question dependent.

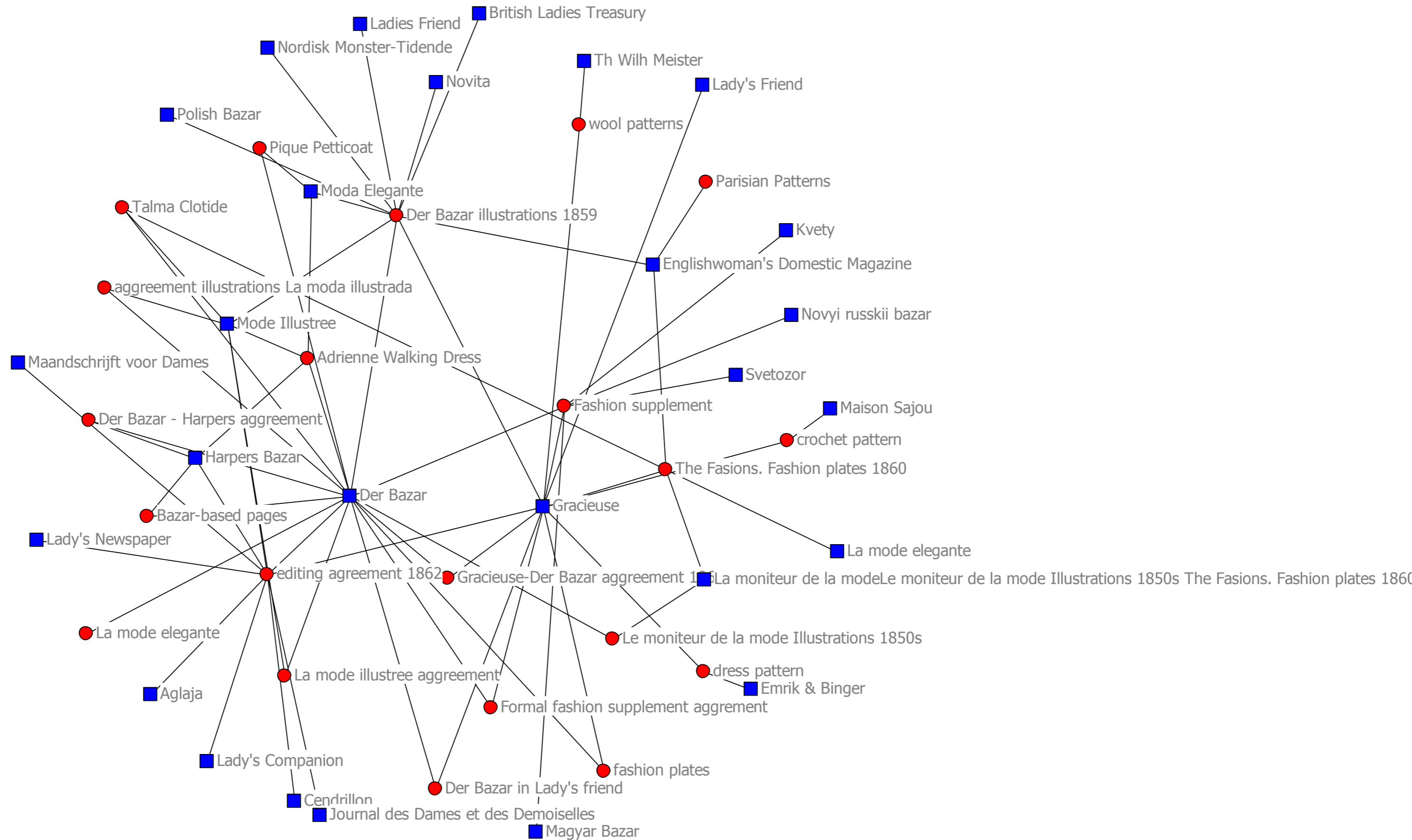


# INFORMED ASSUMPTION, FROM PREVIOUS RESEARCH

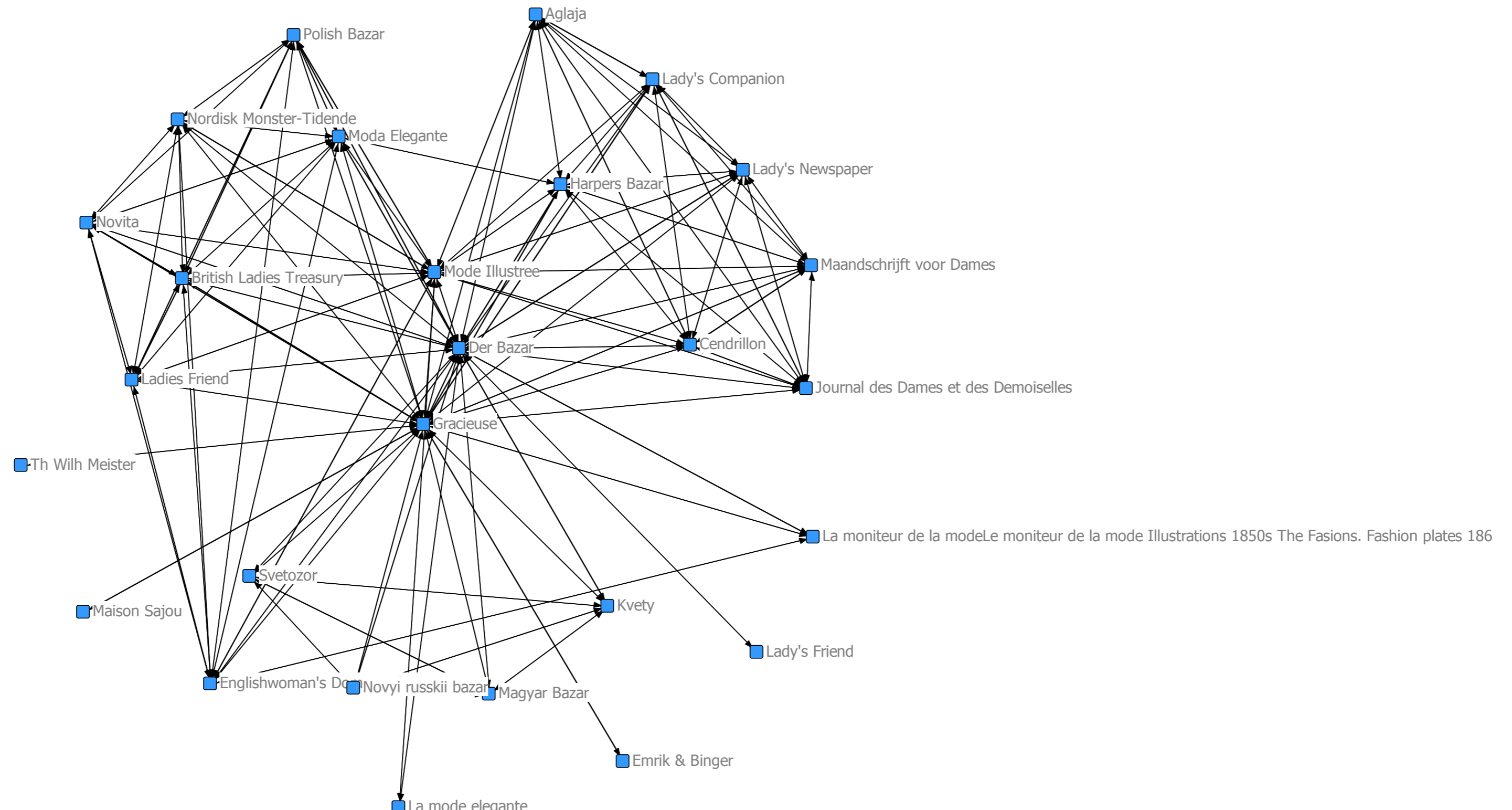
Van Remoortel, Marianne. "Women Editors and the Rise of the Illustrated Fashion Press in the Nineteenth Century." *NINETEENTH-CENTURY CONTEXTS-AN INTERDISCIPLINARY JOURNAL* 39.4 (2017): n. pag. Print.



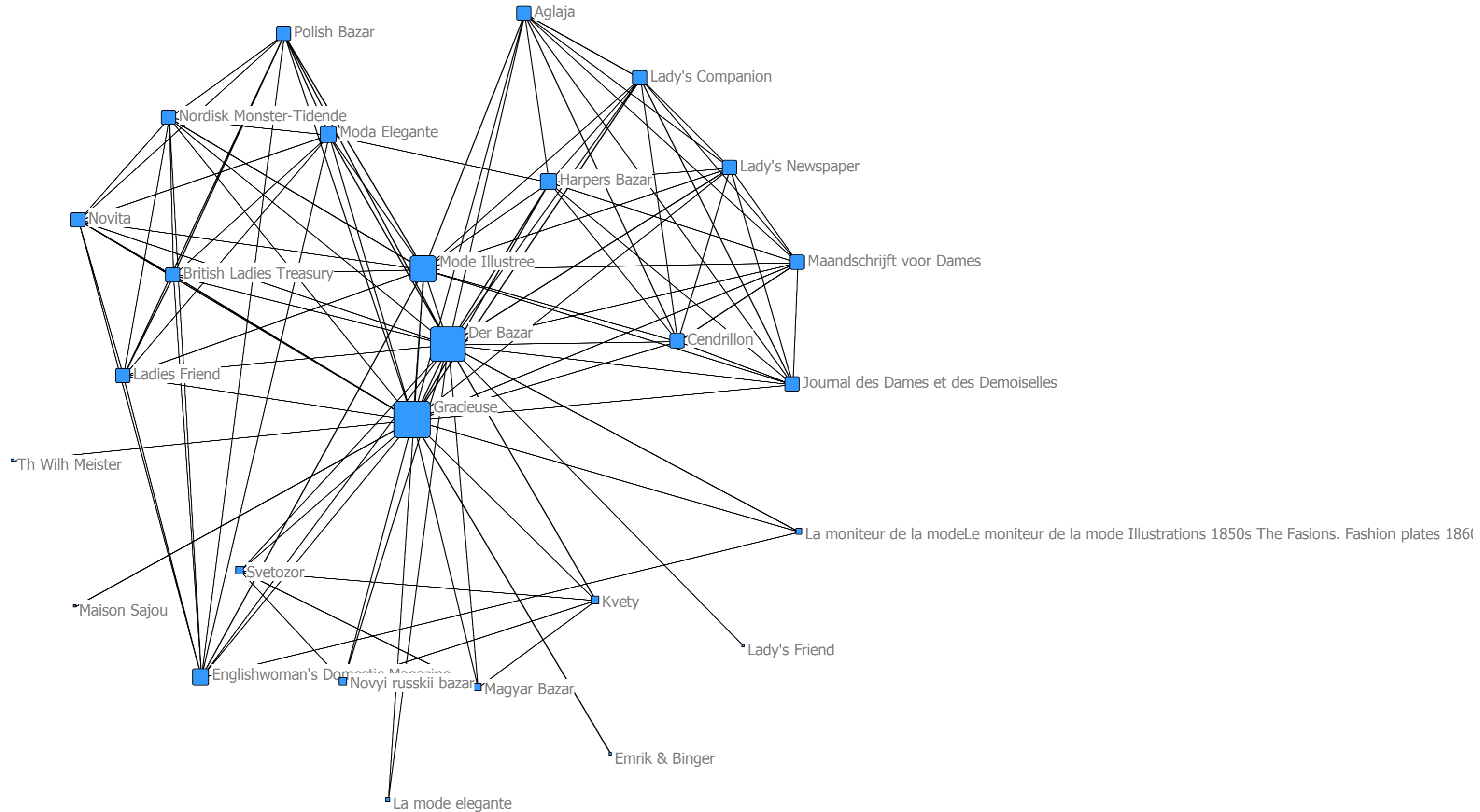
# PROJECTION OF PERIODICALS & ITEMS



# ONE-MODE PROJECT OF PERIODICALS, INFERRED THROUGH SHARED/COPIED ITEMS



# CENTRALITY, LARGEST SHARE OF CO-OCCURRING ITEMS



# LINKED DATA AS METHOD

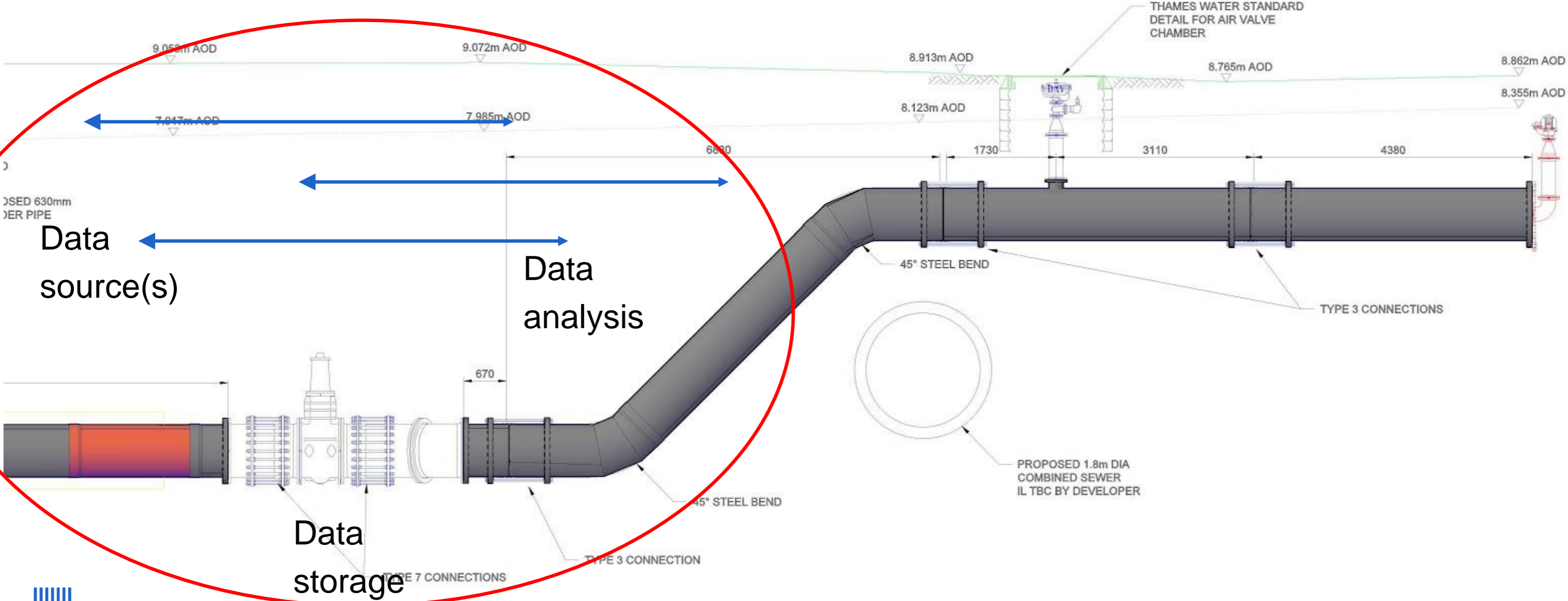
- Part data publication/store;
- Part data source;
- Efficiently be queried through automatic techniques.
- Captures the inherent relations between objects;
  - Lends to network methods that explore patterns of relations.
- It is method.



# DISCUSSION

- Limitations
  - what is archived and retrievable (e.g OCR, metadata storage and hand input) which subject to the same as any other study;
  - as a network we have computational tools that can aid in suggesting the reliability of the data.
  - Validity of decisions used to informed this “back and forth” data selection to project relations.

# METHOD: THE BACK AND FORTH



# CONCLUSION

- Linked Data affords both new insights into the relationships
  - Which generates complementary knowledge about relational phenomena, as well as
  - New insights and research questions.
- Maximize the future use of your data by publishing it as Linked Data.

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