

Mapping fields of interest

A systematic literature review
on public clients in construction

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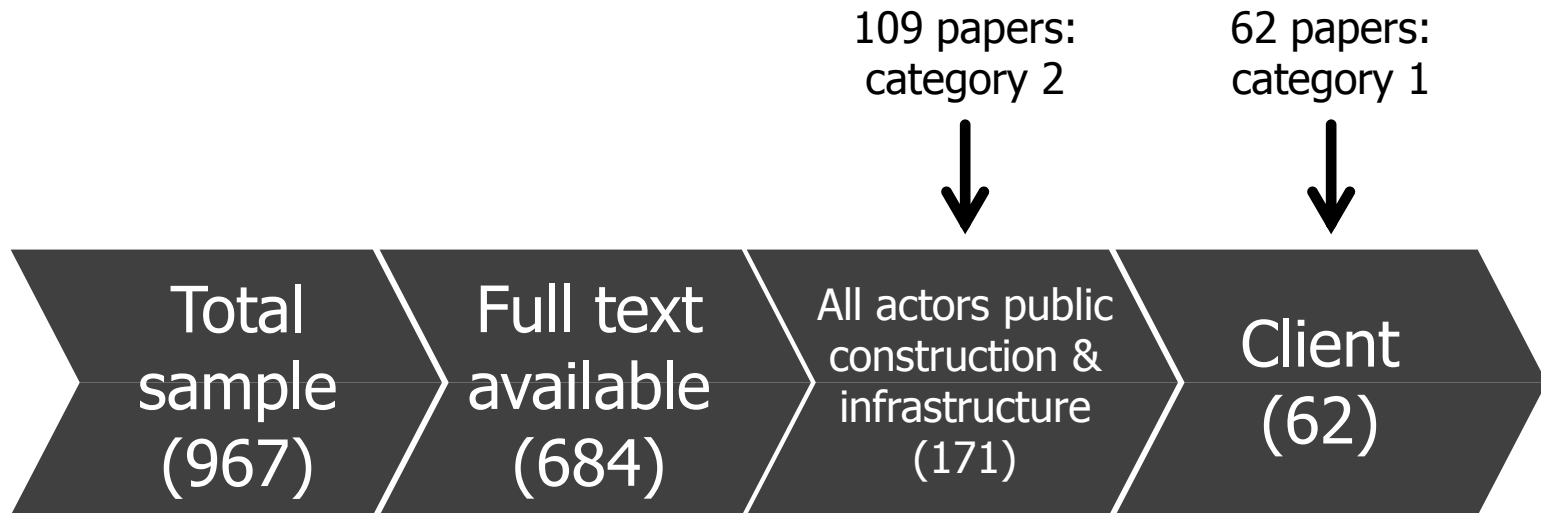
Introduction



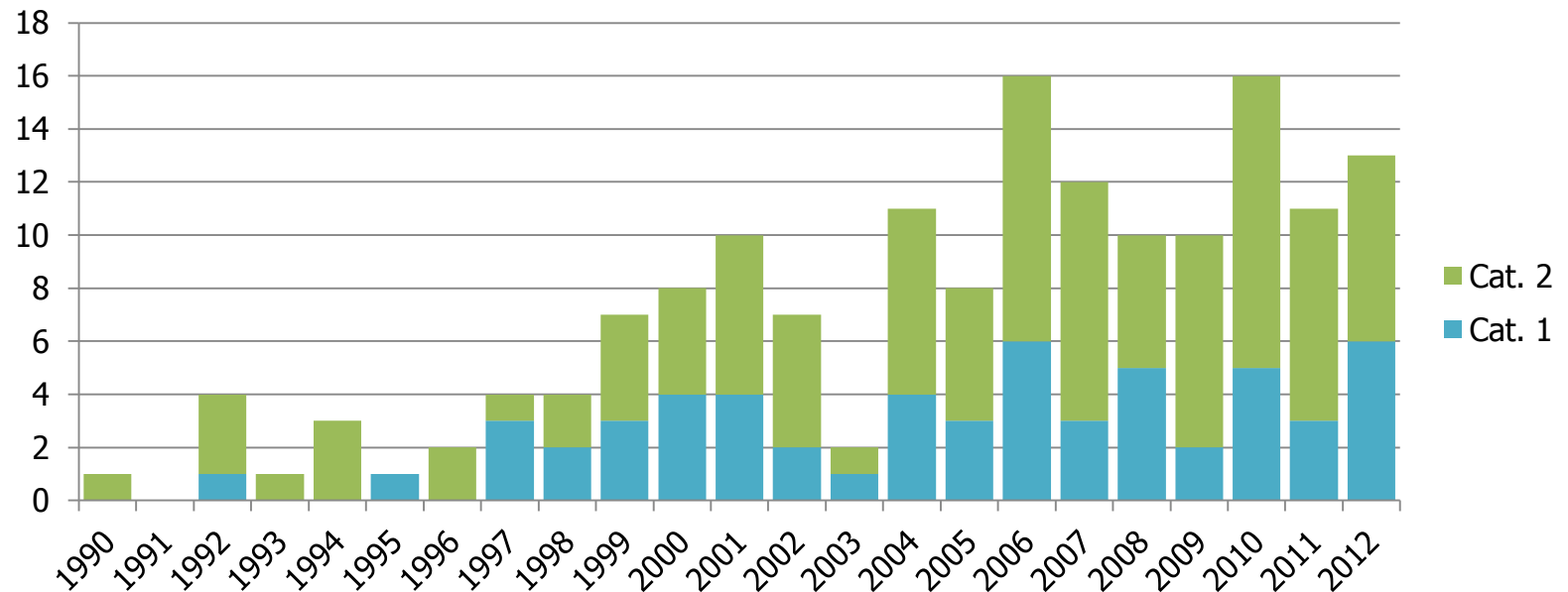
Method

- Research questions
 - What are the main research themes in the scientific field of public commissioning?
 - Which knowledge gaps can be identified?
- Systematic literature review
 - Explorative quantitative analysis
 - Explorative network analysis
- Search query in Scopus and JSTOR
 - English articles, published after 1990
 - public, client, discipline and tasks of client

Part 1: Explorative quantitative analysis

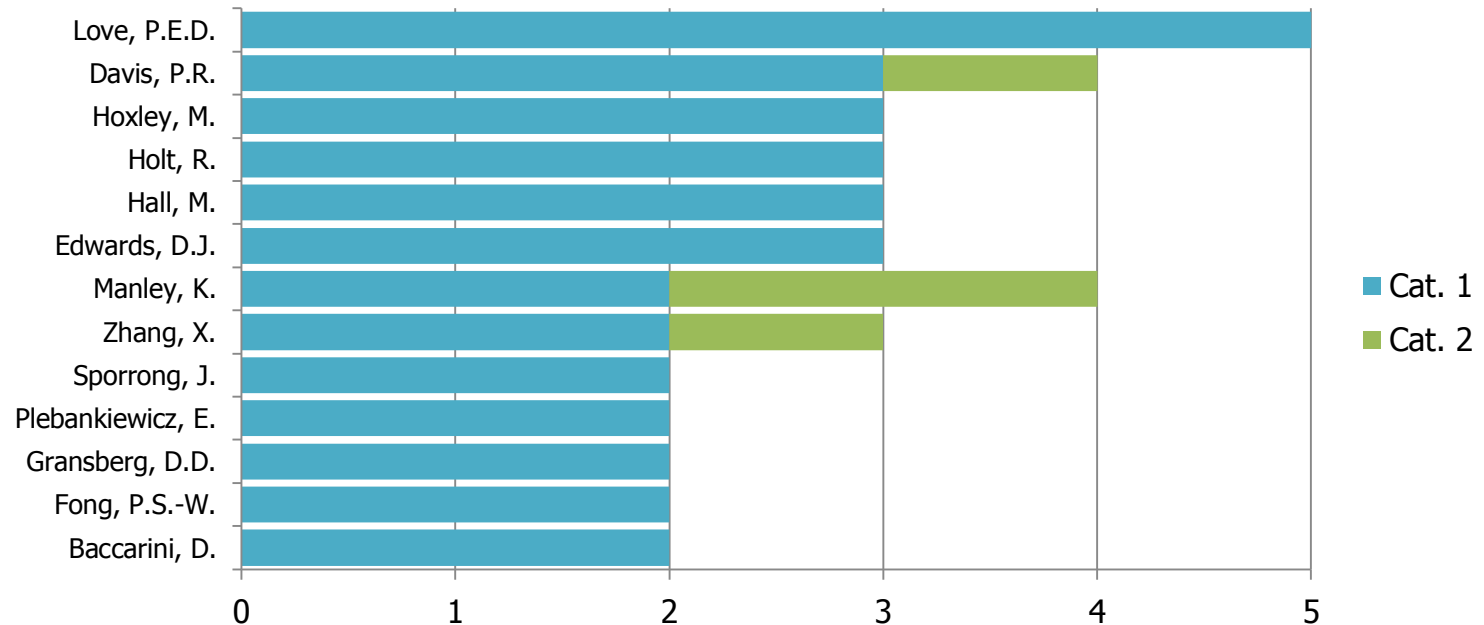


Results – papers per year



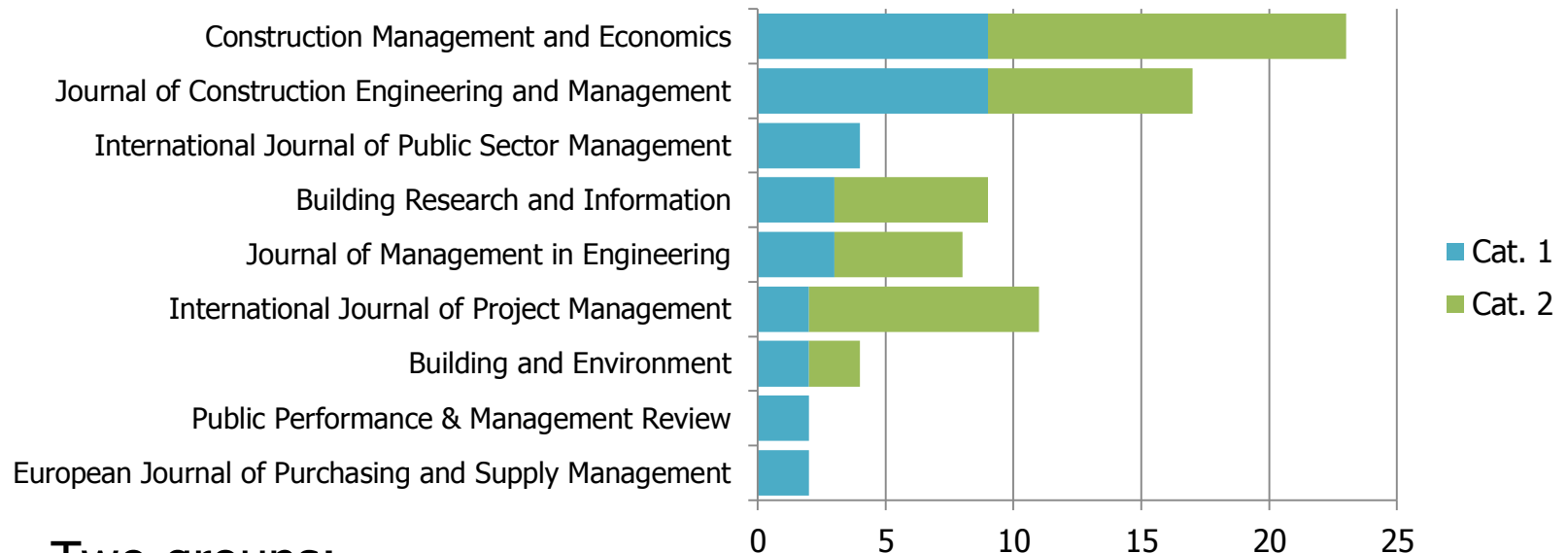
- Increase in publications
- From 1997 substantially more publications
- Low in 2003

Results - authors



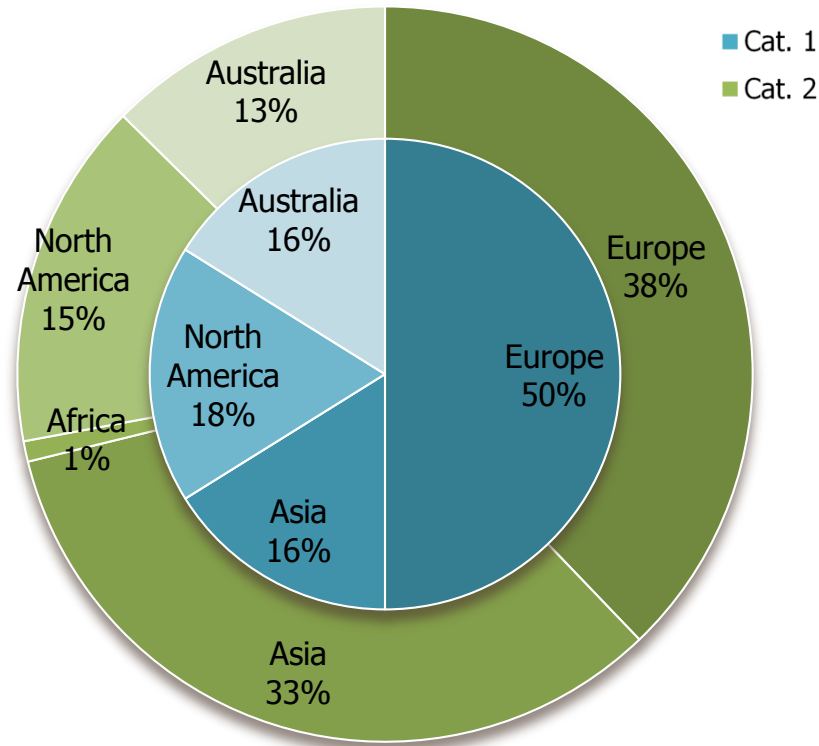
- Many publications by few authors
- High number of co-authorships
- Strong client focus

Results - journals



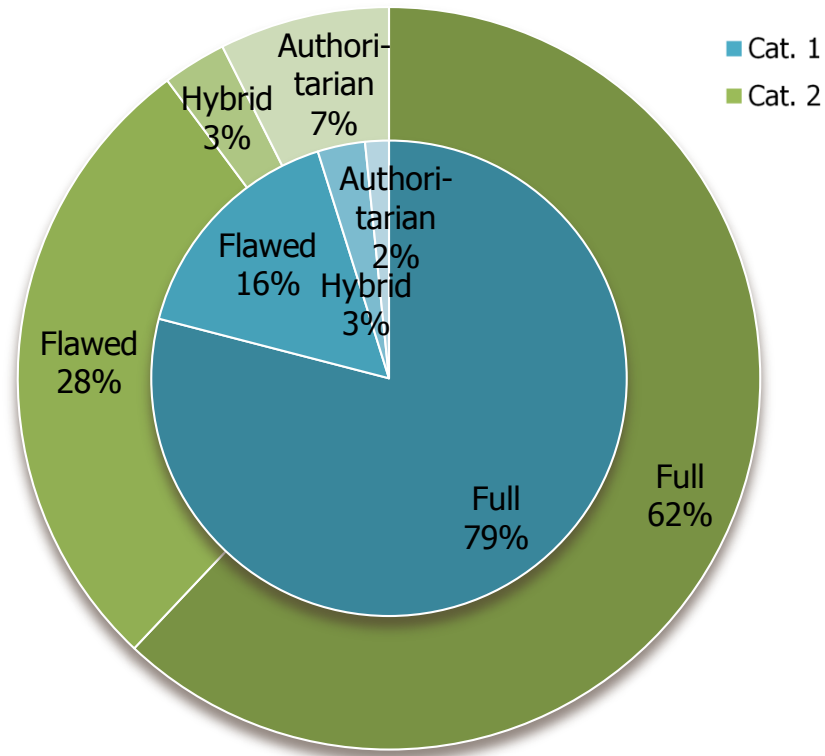
- Two groups:
 1. On construction and engineering
 2. On management sciences and governance
- Two main journals: CME and JCEM

Results – paper per continent



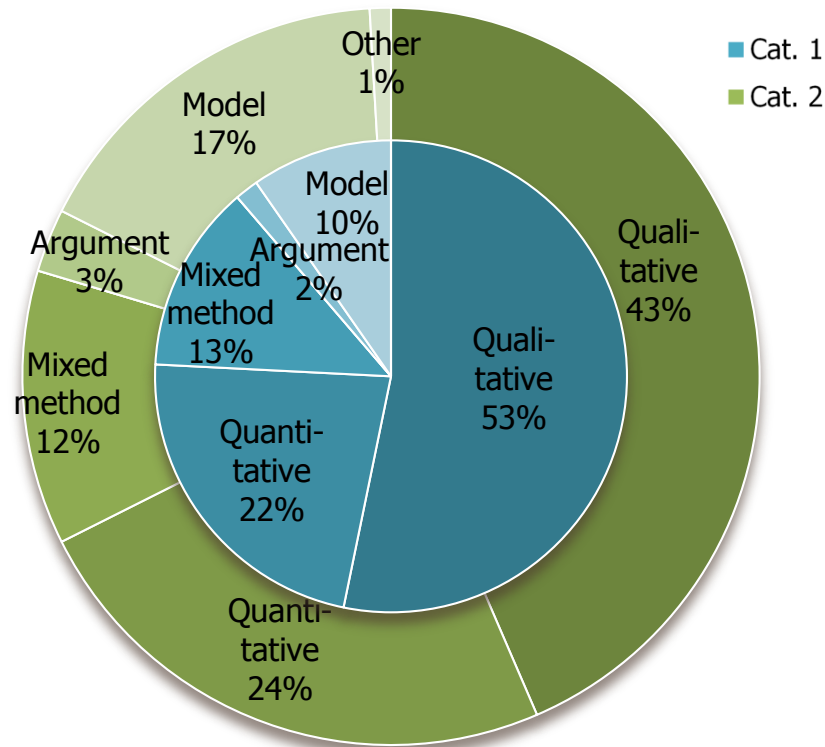
- In Europe larger focus on public commissioning and the client
- In Asia focus on all actors, instead of only the client

Results - government types



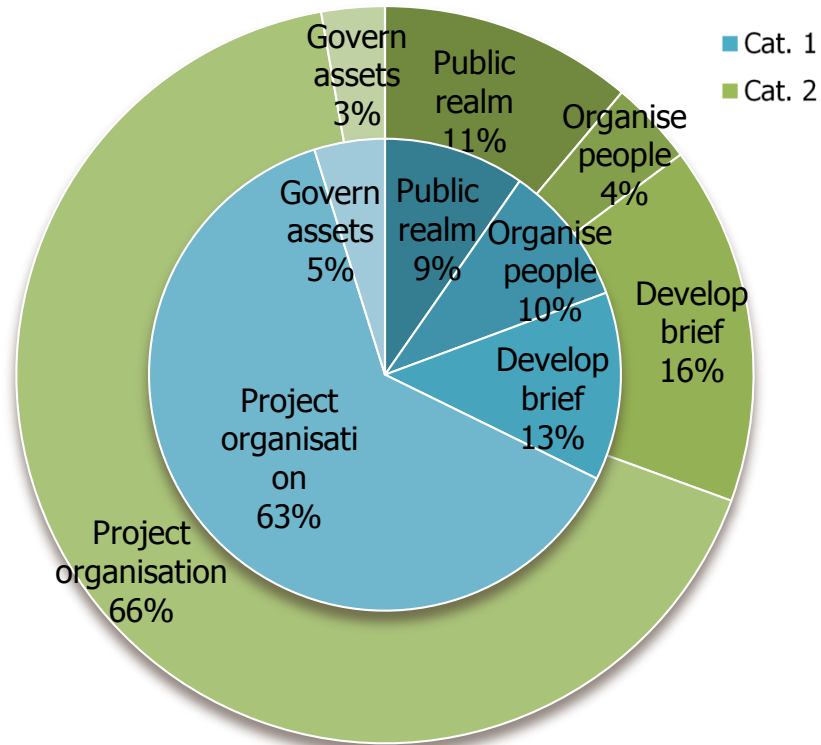
- More flawed democracies in category 2 due to Asian papers
- Type of government influences focus on public commissioning

Results – research methods



- Majority of cat.1 describes public commissioning from sociological point of view
- Category 2 more focused on modelling and conducting surveys

Results - themes of papers



Conclusions from part 1

- Number of papers on public commissioning is limited
- Growing field of science
- Small number of authors, mostly from Europe and Australia
- Often referring to each other's work
- Published in few journals
- Limited scope: project management, procurement, and performance
- Mostly qualitative research methods

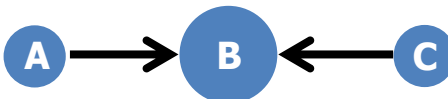
Part 2: Explorative network analysis

Concept

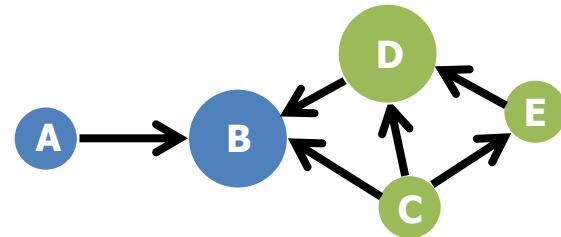
- Network with papers as nodes and citations as connections

- Example:

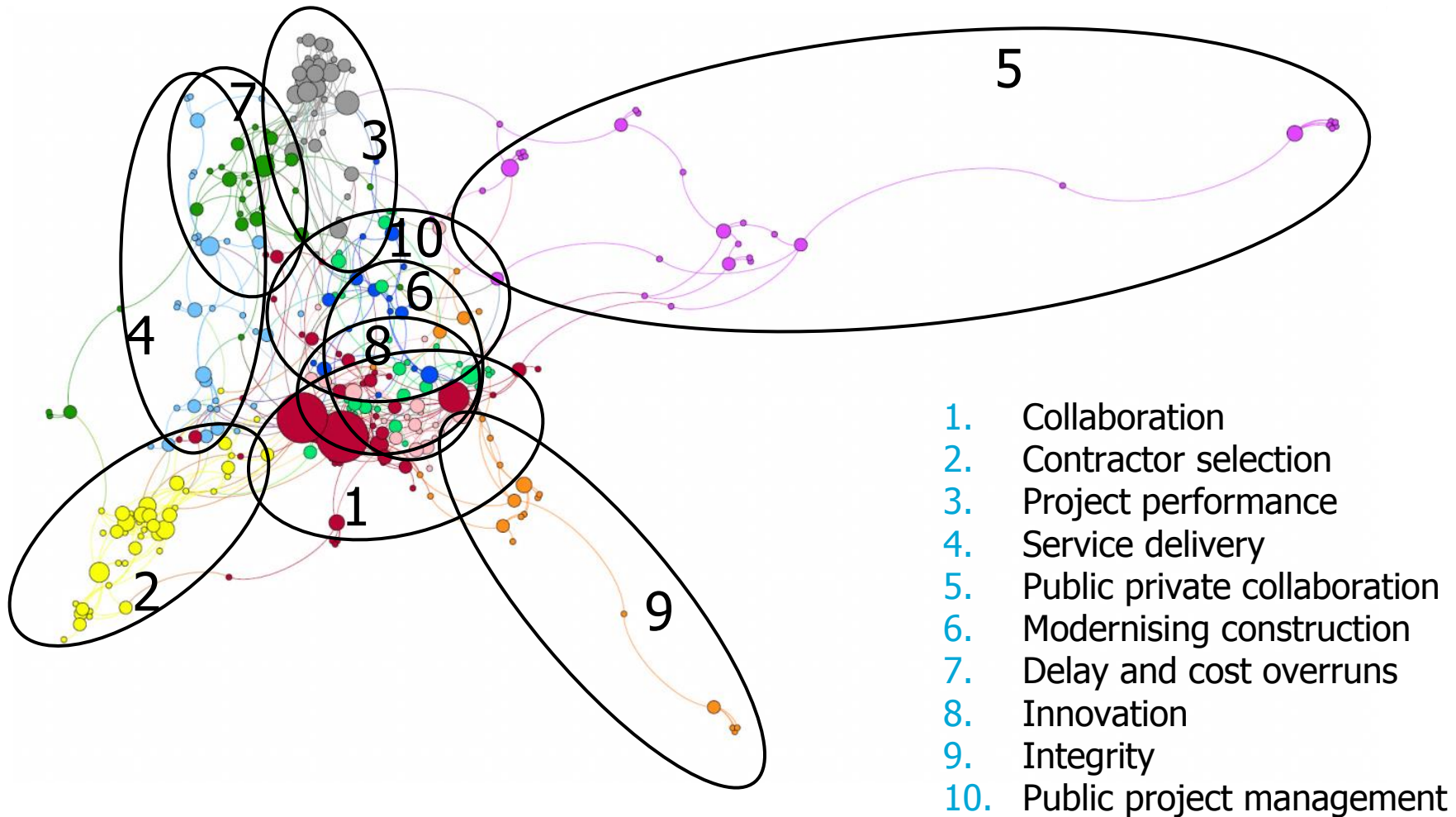
- A cites B 

- C also cites B 

- Colour based on shared connections

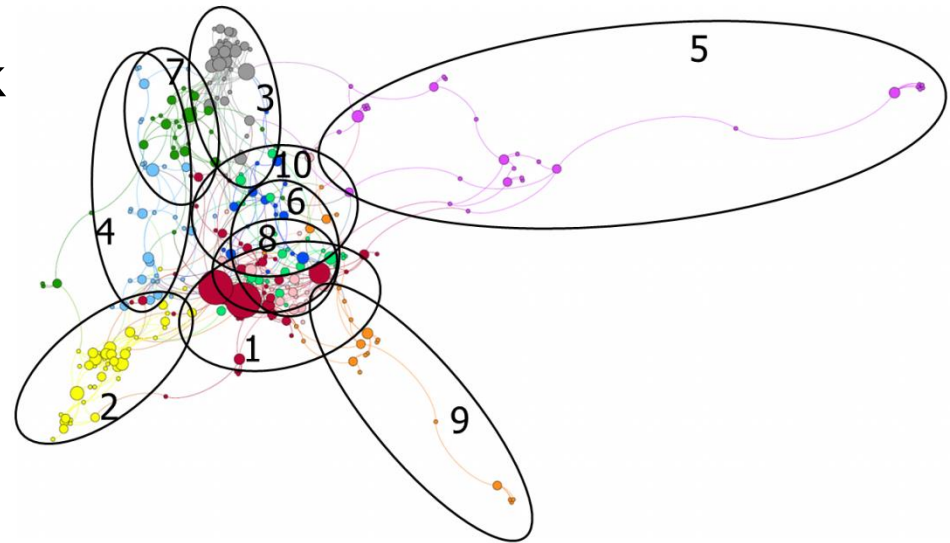


Results from network analysis (1)



Results from network analysis (2)

- Four groups centrally positioned in the network
 - 1. Collaboration
 - 6. Modernising construction
 - 8. Innovation
 - 10. Public project management
- Two groups at edge of network
 - 5. Public private collaboration
 - 9. Integrity



Conclusions from part 2

- Tightly knit network
- Two research fields
- Focus on two levels: project level and industry level → organisational level is missing
- Future research should incorporate public private collaboration, integrity and other public values

Research agenda (1)



Research agenda (2)

1. The client as a professional public organisation

- Focus on organisational structure and competences of the client
- Perception of professionalism

Research agenda (3)

2. The client as a strategic asset manager

- Aging building stock in the Netherlands and other (European) countries
- Need for transformation and renovation more prominent

Discussion

- Need from practice for practical guidelines and instrumental tools → valorisation strategy?
- Link to other fields? How?
 - public administration
 - law
 - organisation sciences

Thank you for your attention