

Implementing sustainable sourcing in construction: Results of a current analysis of the Austrian market

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Impressions



















Research Questions

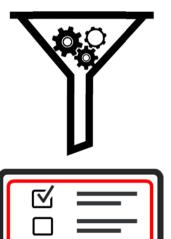
- What's the situation of sustainable procurement and sourcing of construction works in Austria?
- What are the main requirements, to facilitate sustainable sourcing in the construction and building sector?
- How can data-information management tools like building information modelling support sustainable sourcing in construction industry?



Methodology

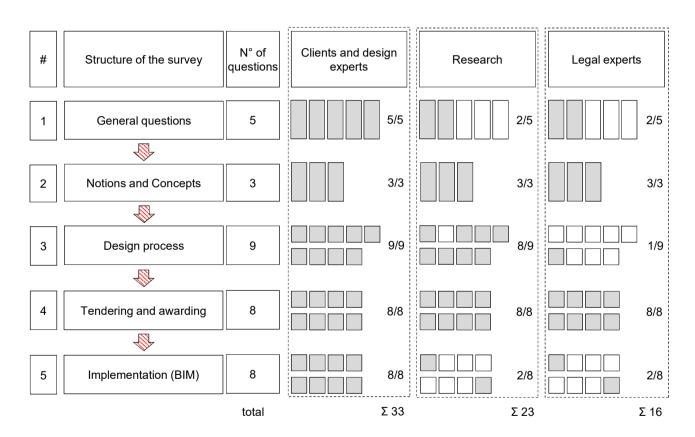
- Literature review
 Wall, J. Hofstadler, C. (2016)
- Explorative studies
 Scherz, M. (2016), Koppelhuber, D. (2017)
- Major research project UNAB Sustainable Designprocess & Integrated Facades
- Online questionnaire
 Wall (2017) Life-cycle-orientated modelling of planning, awarding and tendering processes of construction works







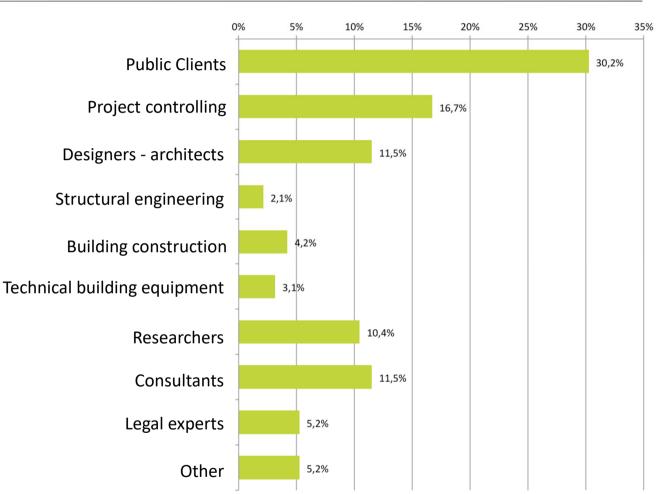
Structure of the survey





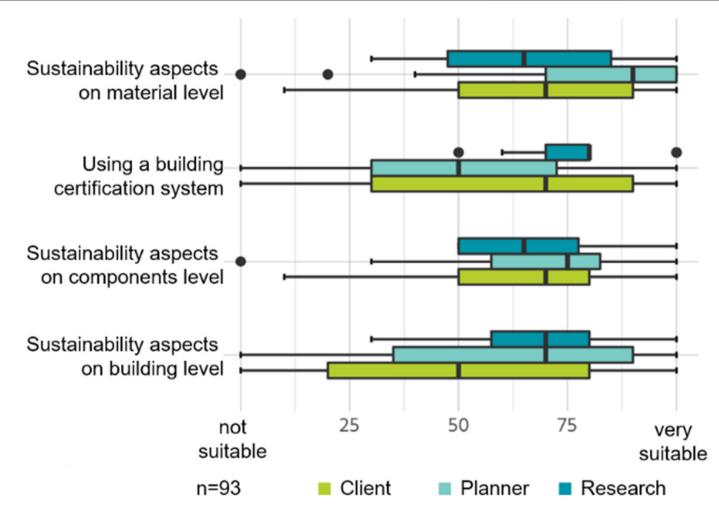
General information

- Survey period:April May 2017
- 320 questionnaires sent
- 96 responded [n = 96]



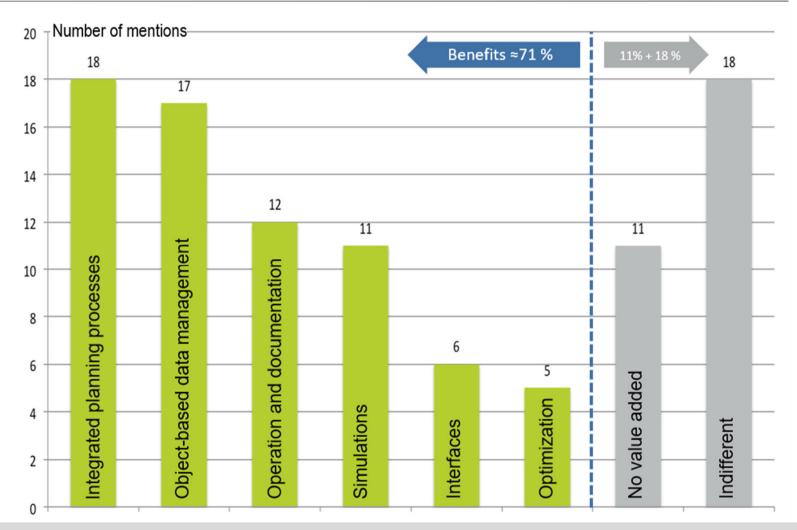


Results (1)





Results (2)





Take away message (1)

Information flow (interaction of planning and sourcing)

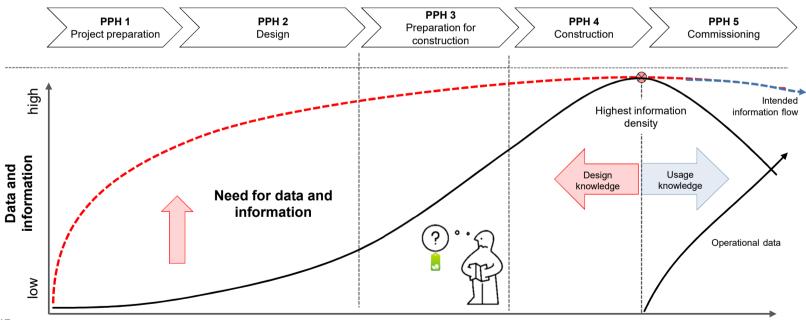


Illustration: Wall 2017



Take away message (2)

- Process-thinking and design
 - Information flows
 - Definition of interfaces
 - Process guidance and supervision
- Process support using data information management tools
 - Visualization
 - Clash detections
 - Work and design schedule
 - Supporting life cycle information management

Contact info





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