



Engaging Content
Engaging People



Data Value 2018: Introduction

Defining Data Value and Goals for the Data Value Community

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Goals for this Workshop

Discussion: Exploring What is Data Value?

Ongoing Data Value Research at the ADAPT Centre

Brainstorm: Open Challenges in Data Value Research

Building our Data Value Community

Introducing our Keynote



- Build an international community of data value researchers and practitioners
- Start a dialog on data value challenges, methods, tools and definitions
- Present new research on data value

=> **Please interrupt**, make the sessions interactive!



- **Good news!** There is no consensus on a definition of data value.
- We think:
 - Data value is complex, multi-dimensional & contextual
 - Quantitative data value research is immature
 - No standardised models



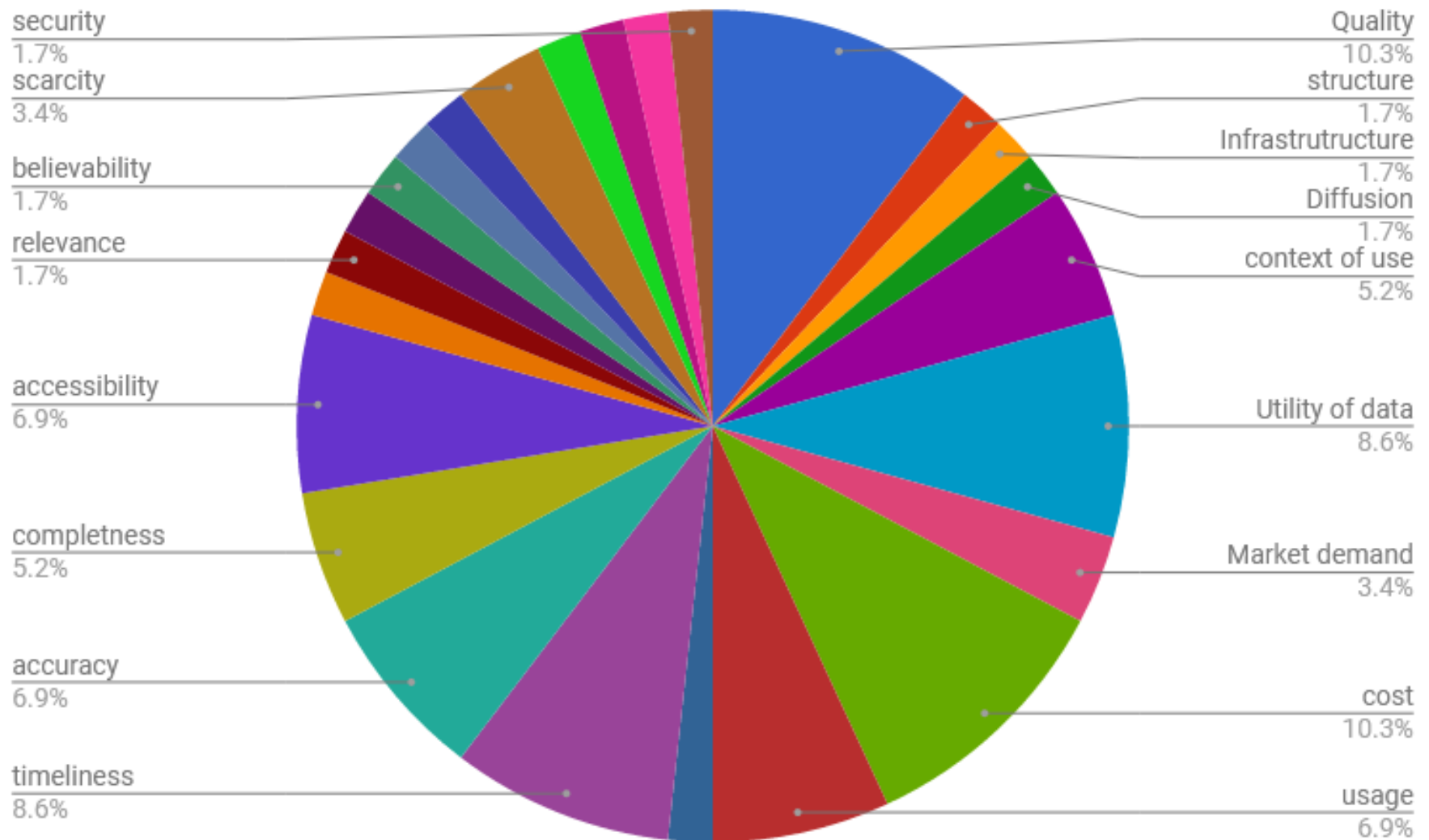
- Please take this quick anonymous survey to find out!
<https://goo.gl/forms/LqfNCKPj0B9u10zE3>
- It focuses on 5 dimensions
 - Costs incurred through loss
 - Rebuilding costs
 - Market value
 - Legislative obligations
 - Timeliness
- What did the survey make you think about your data?
- Based on the work of Sajko et al.¹

1. M. Sajko, K. Rabuzin i M. Bača, "HOW TO CALCULATE INFORMATION VALUE FOR EFFECTIVE SECURITY RISK ASSESSMENT", *Journal of Information and Organizational Sciences*, vol.30, br. 2, str. 263-278, prosinac 2006



Data Value Dimensions in the Literature

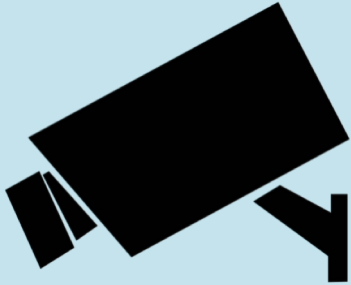
www.adaptcentre.ie



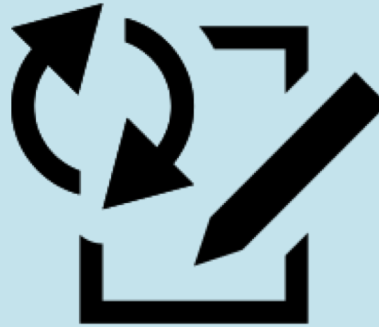
Data value dimensions, from a 27 paper survey – R. Brennan and J. Attard



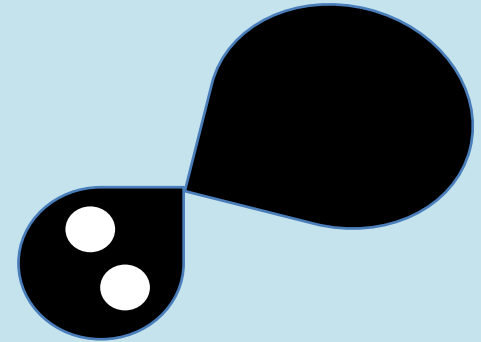
Data Value Monitoring



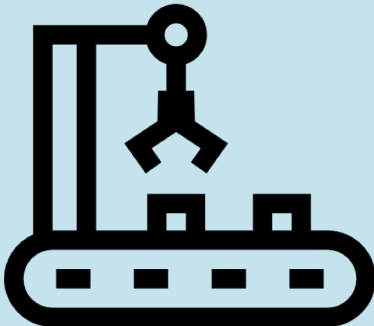
Curating Data



Mergers and Acquisitions



Data Management Automation



Data Governance based on Data Value



What about you?

- Modelling data value¹
- End-to-end data value monitoring
- Capability Maturity Models for data value²
- Decision support tools for data value networks³
- Manual data value assessment techniques

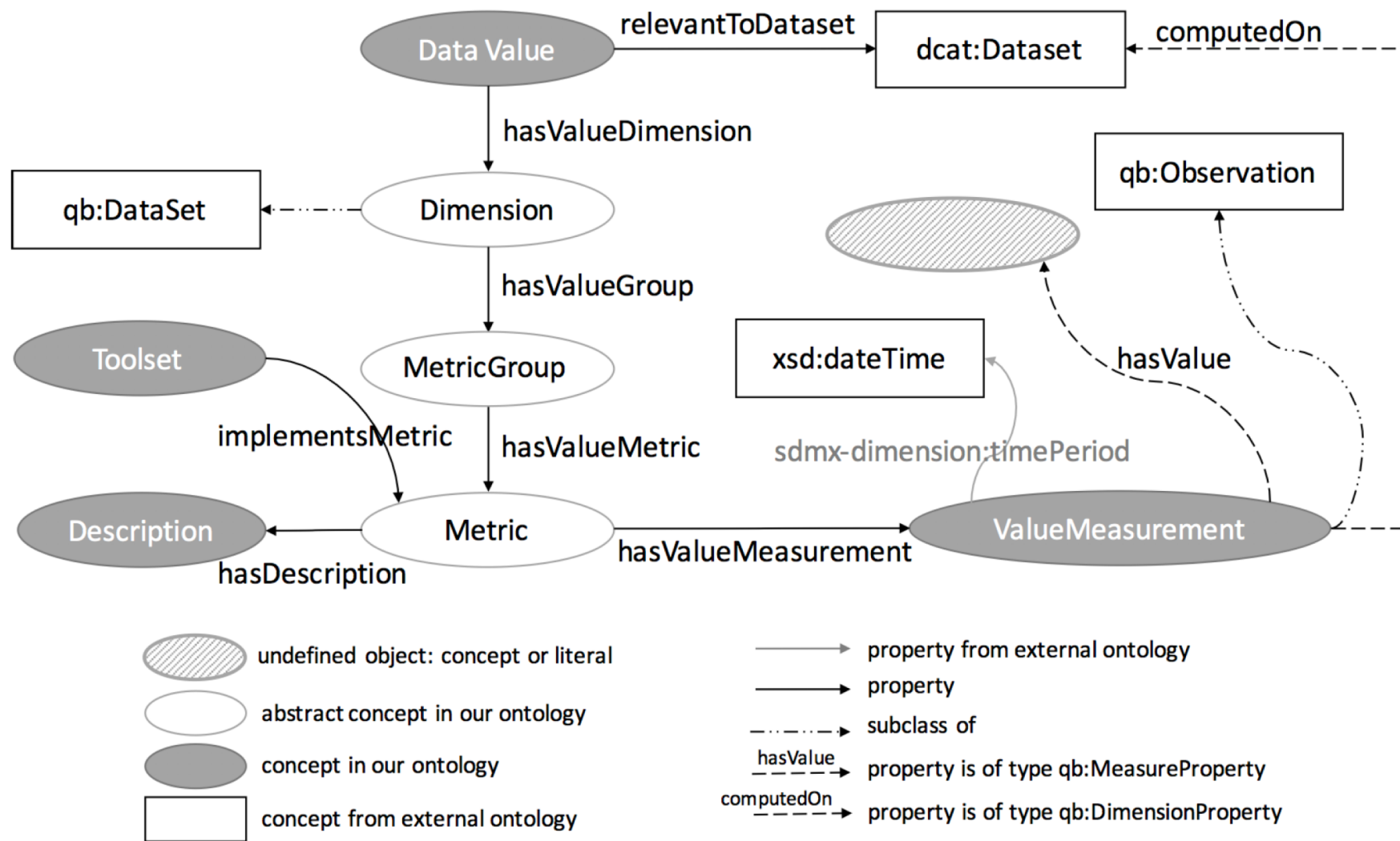
1 Judie Attard, Rob Brennan, *A Semantic Data Value Vocabulary Supporting Data Value Assessment and Measurement Integration*.

Proceedings of the 20th International Conference on Enterprise Information Systems, ICEIS 2018

2. Rob Brennan, Judie Attard and Markus Helfurt, *Management of Data Value Chains, a Value Monitoring Capability Maturity Model*, *ICDIS* 2018

3. Attard, J., Orlandi, F., & Auer, S. (2017). Exploiting the value of data through data value networks.





1. Measurement

- What metrics do we use to measure value?
- What units should we use to measure value?
- How can we convert between them?
- Can we combine metrics to create valuations?

2. Bridging the ICT and Business worlds

- How do we prioritise data value dimensions to create value profiles?
- Can we estimate utility to a business?
- How to integrate data value into governance systems?
- Developing business capabilities based on value

3. What Else?



- Thanks to our program committee:

Prof. Giovanni Schiuma, University of Basilicata, Italy

Prof. Ismael Caballero, Universidad of Castilla La Mancha (UCLM), Spain

Dr. Paul Brous, Legend Data Management, The Netherlands

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Dr. Brendan Jennings, WIT, Ireland

Dr. Alan Meehan, ADAPT, TCD, Ireland

Dr. Riikka Vilminko-Heikkinen, Gofore Oy, Finland

Mr. Christian Dirschl, Wolters Kluwer, Germany

Prof. Brian McNamee, UCD, Ireland

- Join our DataValue LinkedIn group
(<https://www.linkedin.com/groups/13606759>)



4th Dec 2018

CT 2018 Networking session in Vienna: Driving Digital Transformation – The need for Governing Data Value

<https://ec.europa.eu/digital-single-market/en/news/attend-ict-2018>

Looking for founding partners for a EC COST Action

29th Feb 2019

5th International Workshop on Information Value Management - Challenges in an Area of Digitalisation and Big Data.

<http://www.iceis.org/Workshops.aspx#IVM>

Submissions deadline: 26th Dec 2018

Sept 2019

Data Value 2019

Anything else?





Stijn Christiaens, Founder and CTO of Collibra