



Citation for published version:

Ball, A, Darlington, M & Howard, T 2010, 'Modelling the Development of Research Data' 6th International Digital Curation Conference, Chicago, USA United States, 6/12/10 - 8/12/10, .

Publication date:
2010

[Link to publication](#)

University of Bath

General rights

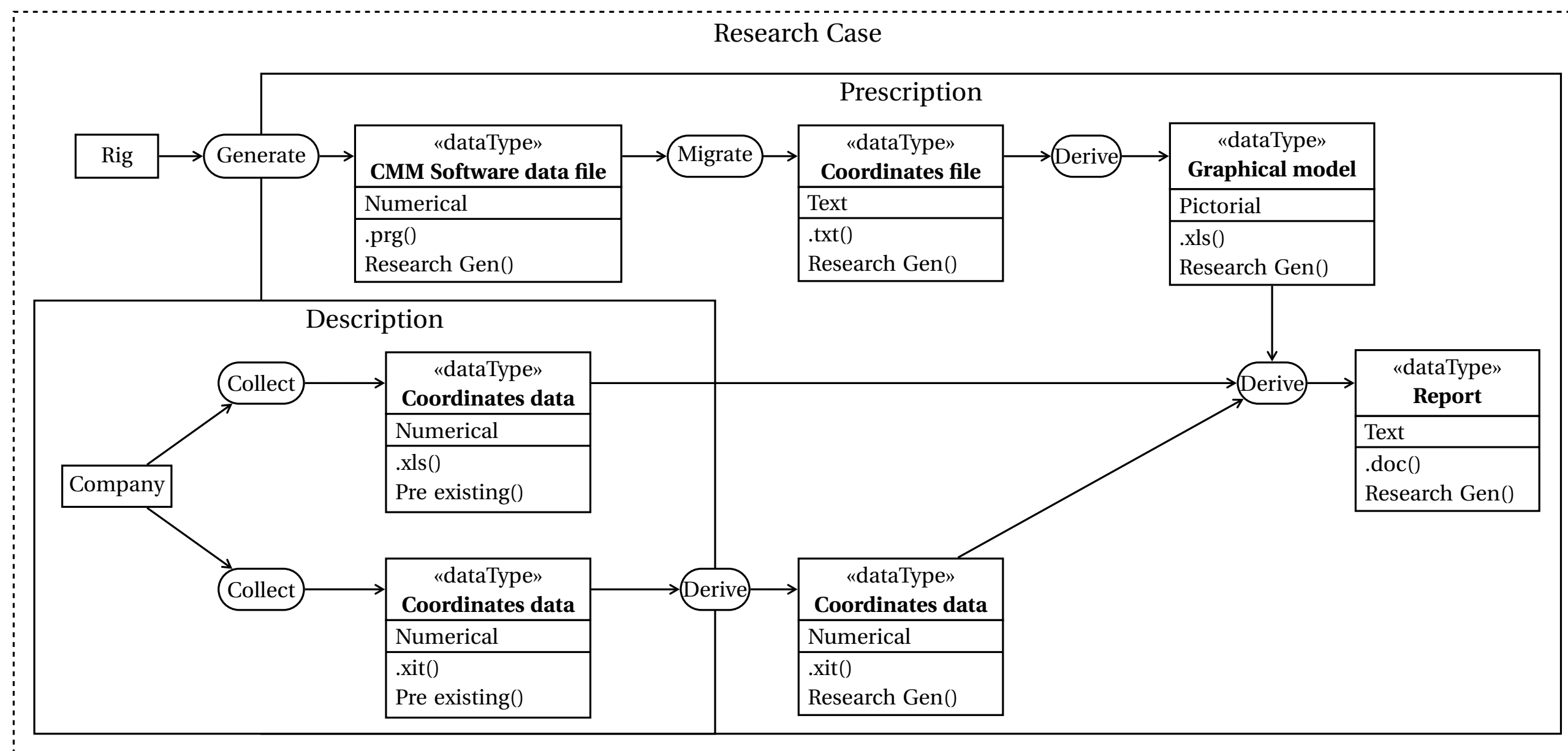
Copyright and moral rights for the publications made accessible in the public portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

Take down policy

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

The RAID Methodology

The Research Activity Information Development (RAID) Methodology is a formal technique for indicating how different data records relate to one another in the context of the research process. It is based on UML and the ERIM Data Management Terminology.



The diagram above shows a **data case** from a research activity. Seven **data records** are shown. It is possible to track the evolution of the data contained in the final result back to raw data **generated** using an experimental rig, and pre-existing data **collected** from an industrial partner.

Terminology: record types

Data case. Set of data records associated with some discrete research activity.

Data record (DR). Data object constituting evidence of an activity.

- **Associative DR.** Documents the association between other data or data records.
- **Context DR.** Explicitly places in context other data, the research activity or the research object.
- **Experimental apparatus DR.** Digital object analogous to physical experimental apparatus.
- **Research DR.** Describes the research object.
- **Research object DR.** A digital object, or one of a set, acting as the object of research.

Authors

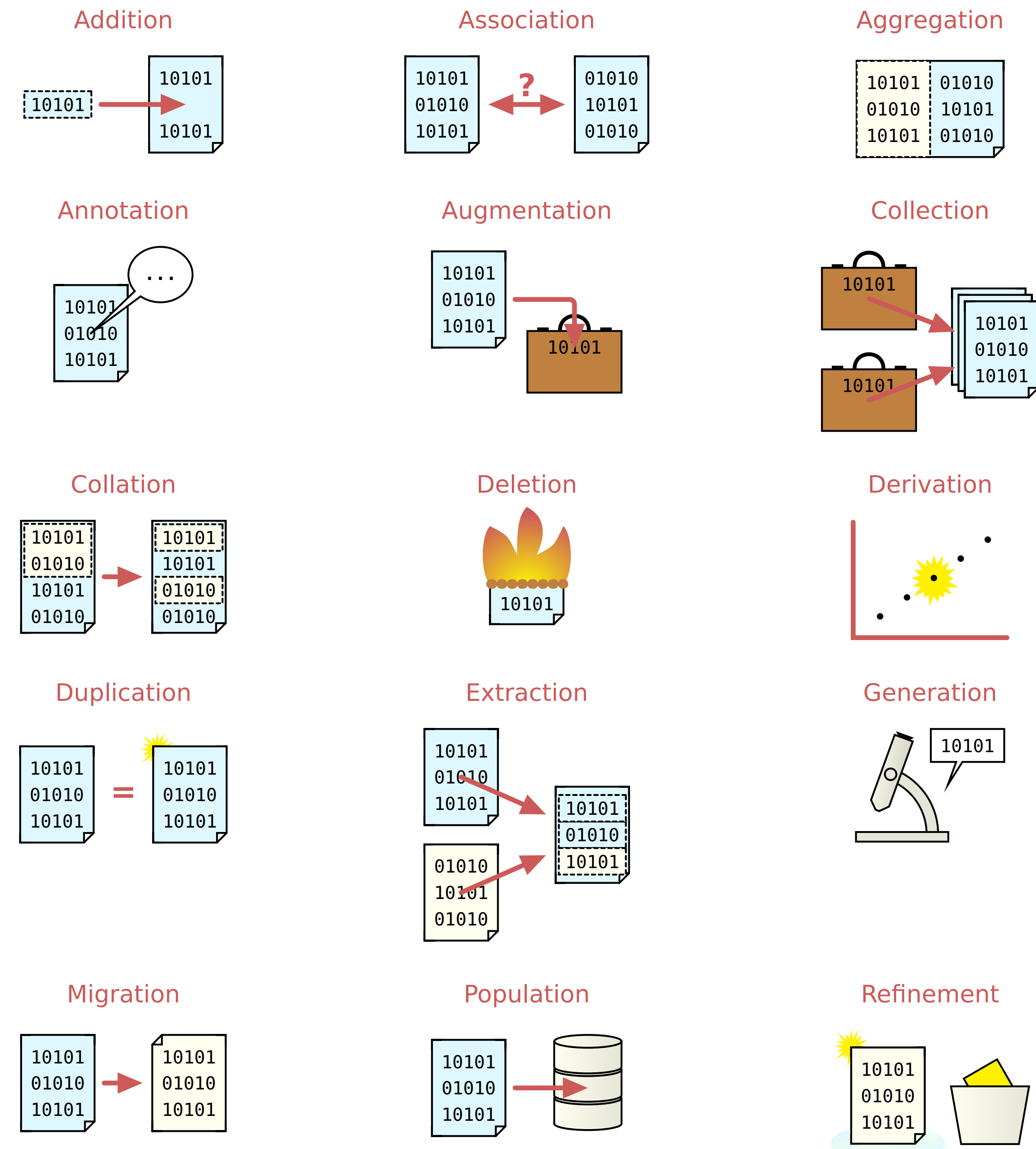
Alex Ball (a.ball@ukoln.ac.uk), DCC/UKOLN, University of Bath

Mansur Darlington, Innovative design and Manufacturing Research Centre (IdMRC),

University of Bath

Tom Howard, IdMRC, University of Bath/Technical University of Denmark

Terminology: data development processes



Further information

ERIM Project.....<http://www.bath.ac.uk/idmrc/erim/>
 IdMRC, University of Bath.....<http://www.bath.ac.uk/idmrc/>
 UKOLN, University of Bath.....<http://www.ukoln.ac.uk/>
 Digital Curation Centre.....<http://www.dcc.ac.uk/>