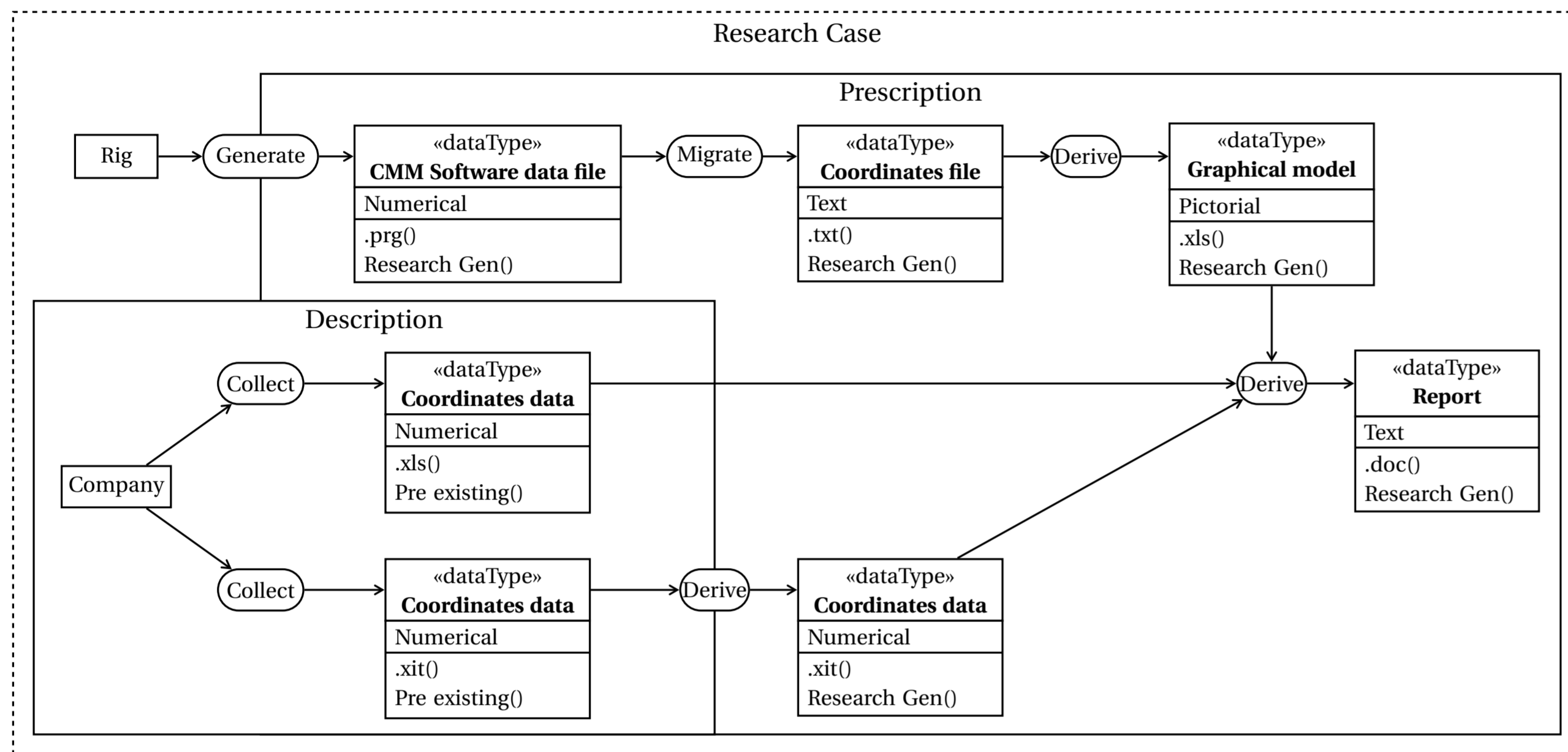


The RAID Methodology

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.

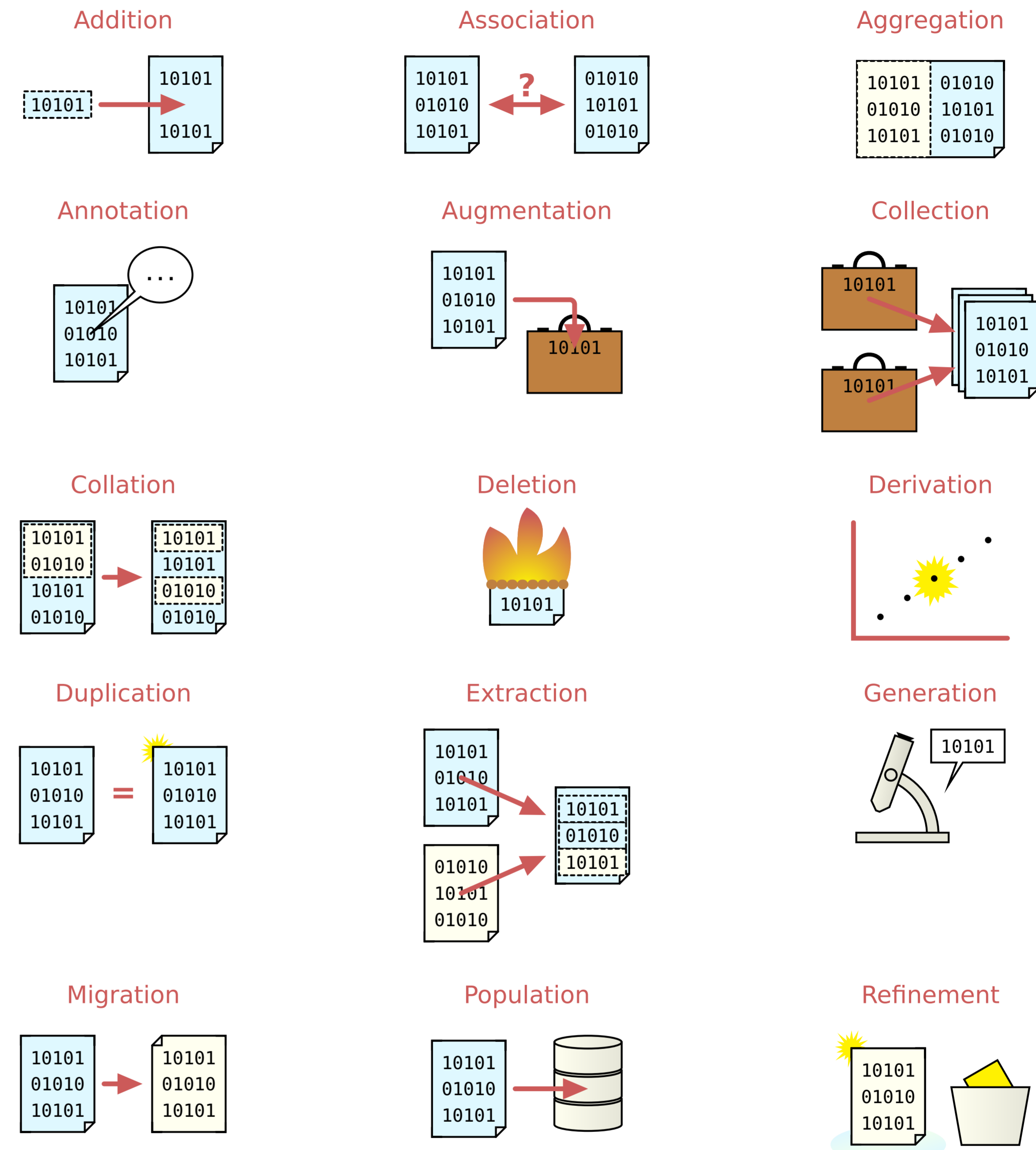
Authors

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/>