Outlier Detection on Financial RDF Data

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Group: Berivan Ekmez, Zuhair Almhithawi, Nayef Roqaya
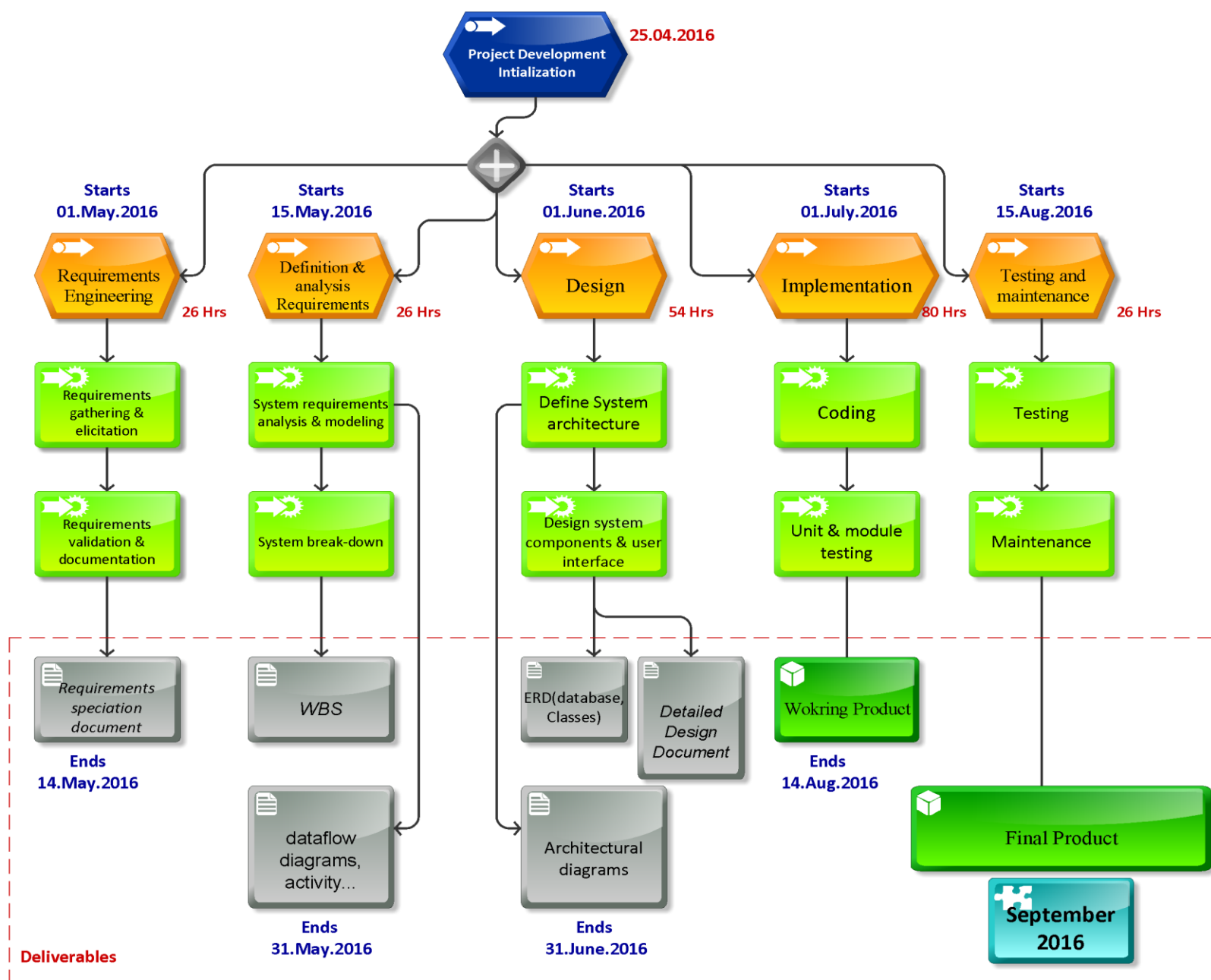
System Architecture

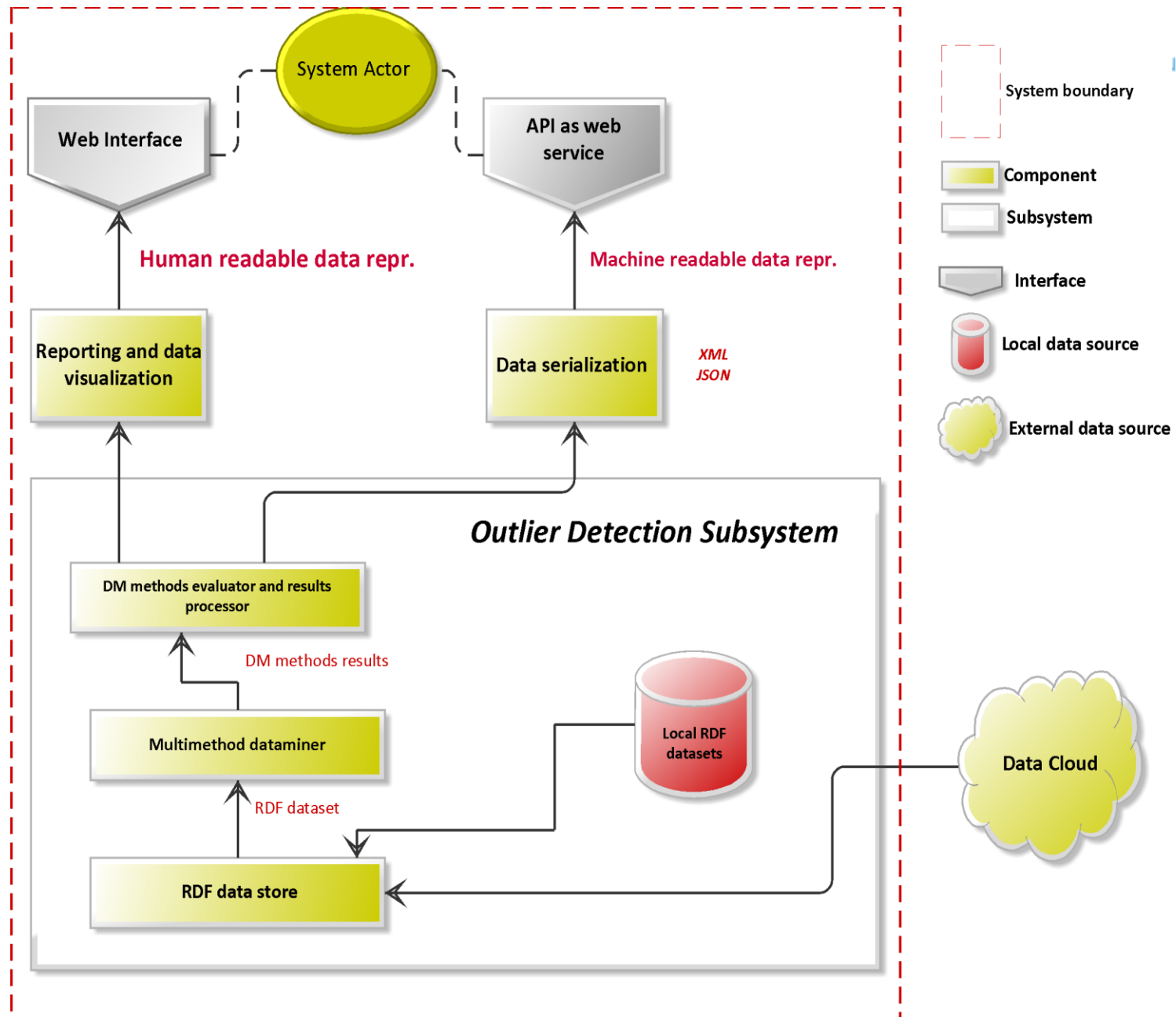01.06.2016
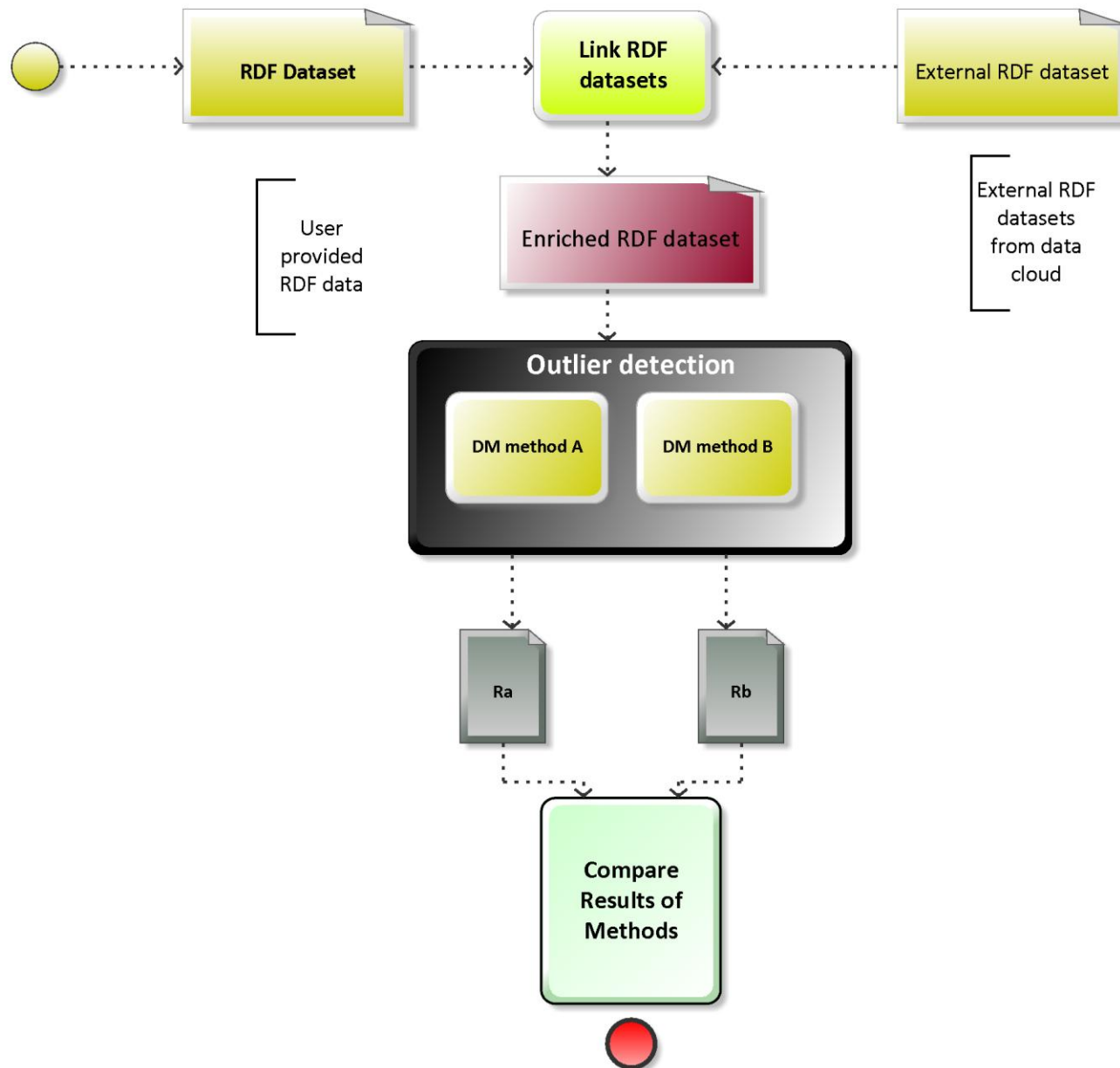
universität**bonn**

Semantic Web

Data Mining
Open Data

- **Roles Group project :**

- Zuhair Almhithawi :

Team Leader , Back-end & Front-end Developer

- Nayef Roqaya :

Back-end & Front-end Developer , Communication Coordinator, Documentation .

- Berivan Ekmez :

Back-end & Database developer , Literature Surveyor , Reporting and Documentation

Project Development Intialization — 25.04.2016

Starts 01.May.2016	Starts 15.May.2016	Starts 01.June.2016	Starts 01.July.2016	Starts 15.Aug.2016
Requirements Engineering — 26 Hrs	Definition & analysis Requirements — 26 Hrs	Design — 54 Hrs	Implementation — 80 Hrs	Testing and maintenance — 26 Hrs
Requirements gathering & elicitation	System requirements analysis & modeling	Define System architecture	Coding	Testing
Requirements validation & documentation	System break-down	Design system components & user interface	Unit & module testing	Maintenance

Deliverables

- Requirements speciation document — Ends 14.May.2016
- WBS
- dataflow diagrams, activity... — Ends 31.May.2016
- ERD(database, Classes)
- Detailed Design Document
- Architectural diagrams — Ends 31.June.2016
- Wokring Product — Ends 14.Aug.2016
- Final Product — September 2016

System Actor

Web Interface

API as web service

System boundary

Component

Subsystem

Interface

Local data source

External data source

Human readable data repr.

Machine readable data repr.

Reporting and data visualization

Data serialization

XML
JSON

Outlier Detection Subsystem

DM methods evaluator and results processor

DM methods results

Multimethod dataminer

Local RDF datasets

RDF dataset

RDF data store

Data Cloud

Any Questions?