

# Linked Open Data at Universities

A case study concerning students

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Seminar Work, 2016

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# Research questions

- RQ1: *What are best practices regarding the applicability of Linked Open Data in university settings?*
- RQ2: *What are the major benefits and challenges for students if certain university resources are published as Linked Open Data and which needful use cases can result out of this from the perspective of the students?*
- RQ3: *What are major challenges for the implementation of a Linked Open Data solution?*
- RQ4: *How would a prototypical implementation of a publication framework based on Linked Open Data look like?*

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# Benefits and challenges

Case study were conducted aimed to answer the research question: **RQ2** and **RQ3**.



# Methodology

Exploration of the state of the art including case studies related to Linked Data applied to universities.

5 semi-structured interviewees with students and people affiliated with student affairs were conducted.

- ▶ The interviews followed a questionnaire.
- ▶ The interviews were conducted in teams of two researcher. One **moderator** and one **logger**, who had the task to collect data by writing valuable contributions onto a logging sheet.

# Interviewees background

The interviewees were asked about their background.

Level of expertise (1-5)				
ID	Assignment	ICT	LOD	Date of interview
A	student representative	3	1	24.11.2015
B	teaching & administration	5	2	03.12.2015
C	teaching & administration	5	1	17.12.2015
D	student	4	3	12.02.2016
E	student	4	3	18.02.2016

Value	ICT	LOD
1	Fundamental	I never heard of Linked Open Data.
2	Novice	I heard of Linked Open Data, but never used it.
3	Intermediate	I used Linked Open Data in a not intense way. E.g. as part of a workshop or home project.
4	Advanced	I used Linked Open Data in a practical project.
5	Expert	I used Linked Open Data in several practical projects and consider myself an expert in Linked Open Data.

Table: Scala for level of expertise

# Use cases and needs

## Adoption potential

The interviewees were asked about their willingness to develop applications based on Linked Open Data provided by the university.

# Outline

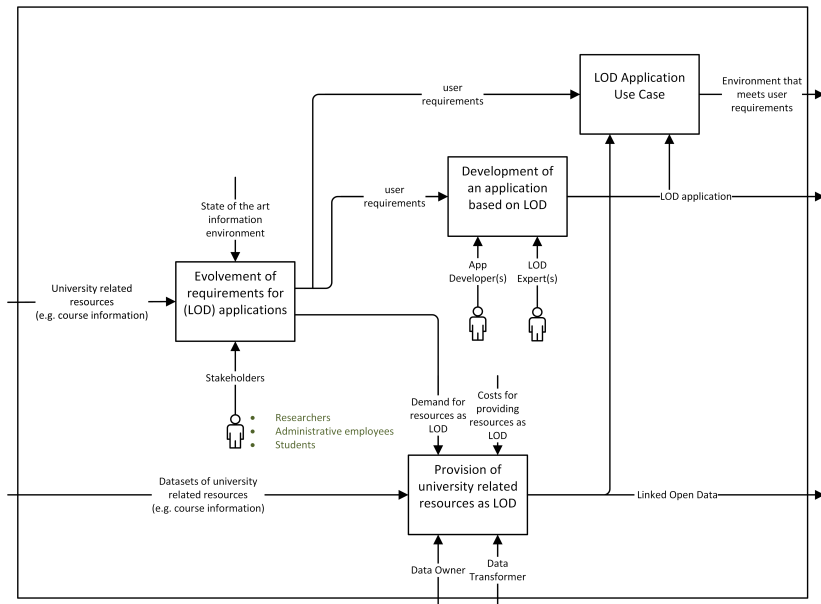
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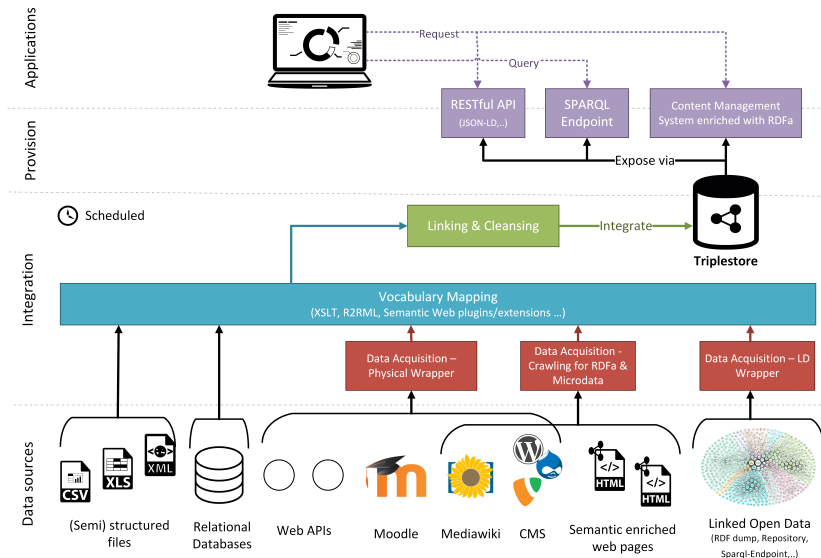
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# Linked Open Data effort at universities



# Proposal of a technical architecture



# Challenges



# Challenges

Data ownership

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Data ownership