Linked Data for Development (LD4D) projects

Contact: Victor de Boer – Web & Media - v.de.boer@vu.nl
Talking to Linked Data

- Voice interface(s) to Linked Data
  - VOICEXML
  - RDF/SPARQL

Contact: Victor de Boer – Web & Media - v.de.boer@vu.nl
Linked Data on low-resource hardware

- Is low-resource hardware such as RaspberryPIs, Sheevaplug, ready for Linked Data triple stores
- and vice versa.
- Data Archiving and Networking Services (DANS) + VU

Contact: Victor de Boer- Web & Media - v.de.boer@vu.nl /
Christophe Gueret @ DANS
Identifying Dutch ships and sailors

• Develop methods, patterns and algorithms to establish (identity) links between heterogeneous resources. (ships or captains,...)

Contact: Victor de Boer – Web & Media - v.de.boer@vu.nl
Europeana.eu Projects

• Europeana.eu is an internet portal that acts as an interface to millions of books, paintings, films, museum objects and archival records from Europe.

• 4 M.Sc. Projects, partly internships at Europeana

Contact: Victor de Boer – Web & Media - v.de.boer@vu.nl
Quality in cultural heritage metadata

- Quality measures based on
  - Linked Data principles
  - Practical results
  - etc.

Contact: Victor de Boer – Web & Media - v.de.boer@vu.nl
Spatial metadata enrichment

- Enrich metadata with geographical resources (GeoNames, Pleiades,...)
  - Test and refine tools
  - Enhance
  - Make usable for non-CS people

Contact: Victor de Boer – Web & Media - v.de.boer@vu.nl
Metadata propagation between cultural items and collections

- Propagate metadata from the *item* level to the *collection* level.
  - Automatic techniques
  - Develop tools

Contact: Victor de Boer – Web & Media - v.de.boer@vu.nl
Copyright checker / calculator

Nationality of creator?  
Date of death?  
Type of work?  
Date of creation?

PUBLIC DOMAIN

http://outofcopyright.eu/
Contact: Victor de Boer – Web & Media - v.de.boer@vu.nl
BiographyNet projects

BiographyNet aims at identifying interesting historic facts from a database describing 76,000 Dutch Individuals

• The data is converted to a semantic knowledge base to be used for questions such as:
  – Which relations can we reveal between people and events, geographical movements and networks between people?
  – What do they tell historians about the formation of Dutch society?

Contact: Victor de Boer / Antske Fokkens - Web & Media - v.de.boer@vu.nl
Extracting Historical Social Networks: Mining BiographyNet

- Identify *relations between people, locations and events*
- Combine biographical data, NLP analysis on text and background knowledge
- You will address questions such as:
  - When does background knowledge reveal clear evidence for an NLP analysis and when are these merely heuristics?
  - Can background knowledge best be integrated using Machine Learning or by a rule based system?

Contact: Victor de Boer / Antske Fokkens - Web & Media - v.de.boer@vu.nl
A user-centric design for the BiographyNet Linked Data interface

• Design a *User Interface* and develop a (wireframe) prototype
• Based on user study with Historians

Contact: Victor de Boer / Niels Ockeloen - Web & Media - v.de.boer@vu.nl