

A short introduction to the cooperation

GND meets Wikibase





content

- 1. The GND, the authority file in D-A-CH
- 2. GND meets Wikibase
- 3. First observations



The GND, the authority file in D-A-CH What is an authority control?



The triangle of data





Wikidata



Wikipedia

bits & bytes

Authority control





identification
reference
interoperability
reuse
retrieval



1. GND - The Gemeinsame Normdatei

- 16 Mio identifiers referring to names, persons, places, corporate bodies, works, headings and conferences
- A digital collaborative product embedded in a cooperative system of 1000 libraries in Germany, Austria and Switzerland is opening to GLAM, science and others
- The handy tool of librarians has to evolve into a cross domain tool: organization; data model; infrastructure & community building



GND meets Wikibase

What do we want to achieve?

Tim Berners Lee:

Through the Labyrinth of Data

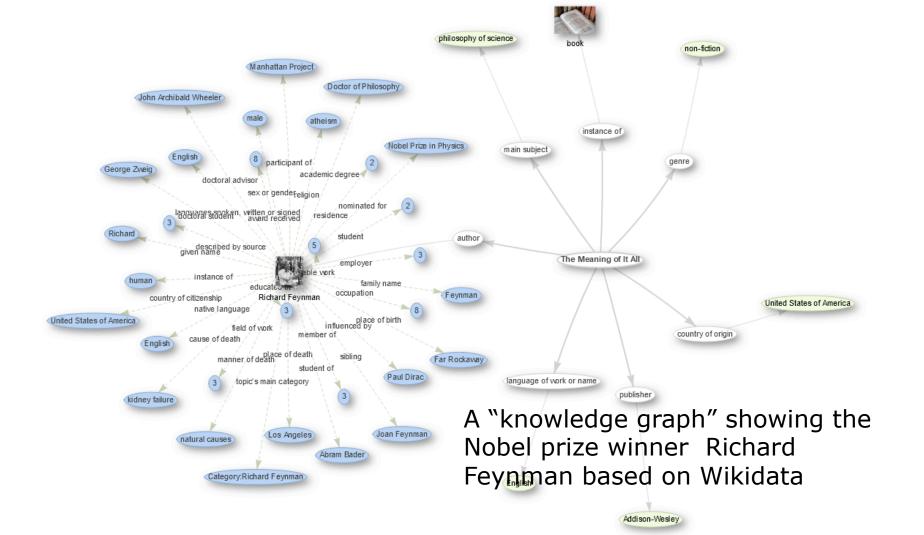
motivation

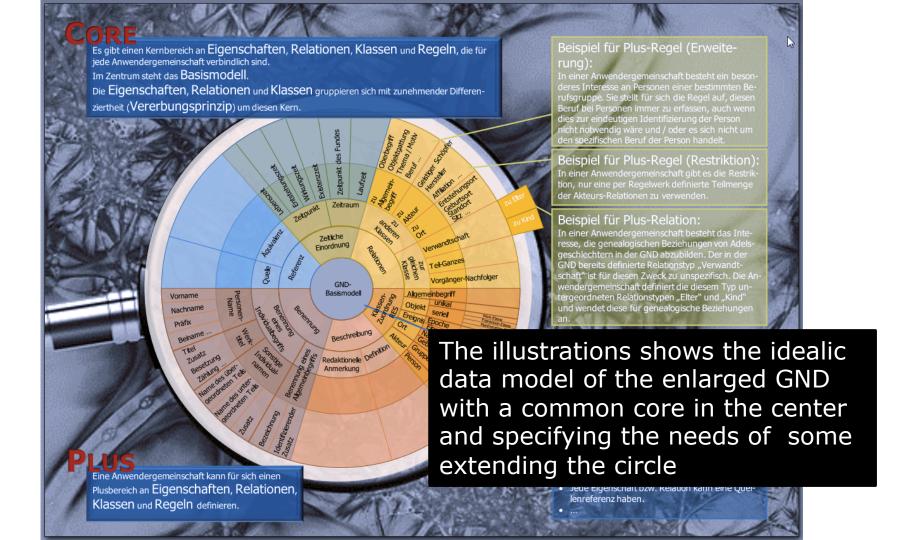
Linked Open Data is the Path



"The Semantic Web is a new form of Web content that is meaningful to computers will unleash a revolution of new possibilities" 2001









2. GND meets Wikibase

Two partners coinciding in two aims:

- making free structured cultural data more accessible and interoperable.
- Evaluating the software, originally conceived for a sole application, Wikidata, for a broader use

Blog post



bearing in mind: What is Wikibase?

- Wikibase is a free software by the Wikimedia Foundation to mold and collect structured data proving an URL to each item
- Wikibase is an extension of Mediawiki, the free collaborative software by the Wikimedia Foundation on which Wikipedia is based on. It includes other open source components.
- Wikibase is developed mainly by Wikimedia Deutschland to serve Wikidata



These questions are crucial to us:

- Will Wikibase meet the requirements of GLAM to implement and drive a collaborative authority file?
- Will Wikibase increase usability?
- Will the use of Wikibase make linked data easier?



First observations

What have we learned so far?



3. First observations

- Until now Wikibase was apparently used to create new databases (see "Factgrid" at University Erfurt)
- We would have loved to be able to import the GND ontology pressing a button. Every property has to be defined & matched.
- We would appreciate to be able to import relations already established in our source database.



Evaluation parameters

- Fluidity in evolution
- Expressivity of an item
- Velocity in performance
- Usability

- Stability in performance
- Scalability
- Compatibility
- Synchronization



Further criteria

- Rights- & acess management
- Multi linguality
- Documentation
- Mappings
- WMDE's capacity to meet our requirements



Expressivity of an item

- The ERM applied by GND is modeling in a more hierarchical way than Wikibase seems to be able to
- We need to learn how to increase the expressivity



usability

- Record history is easy to follow up
- In the merging process it would be helpful to be able to to double check by presenting both records simultanously



velocity

- Entering new data, save and search shows a good performance
- To import via
 Quickstatements is far to slow



fluidity

- To start from scratch is handy
- To import existing properties and their relations is not possible
- We will have to test further to option to adapt entity types in an ongoing process and to work with constraints on the property level



What's next?

- Checking the rights and roles assessment
- Going further into detail on contraints
- Learning more on the Wikibase capacity in its expressivity
- Learning on the usability on creating templates for user generated contet
- Presenting further results on WikidataCon in Octubre.



Discussion



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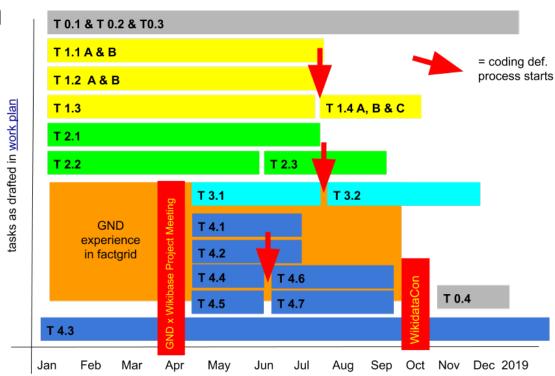


What we do

- T1: Wikibase as an instance to the GND focussing on persons and corporate bodies (which is the "factgrid" focus too)
- T2: testing the expressivity of Wikibase in GND2.0
- T3: assessment of instances (access & user management)
- T4: evaluation of technical aspects in T1 and T2



Time beam





What are we doing at the moment

- We are comparing Wikidata roles to our needs
- We are testing the Ad-On <u>Quickstatements</u> for mass import
- We are testing a further <u>Ad-On</u>, to transfer Marc XML into csv files, provided by Wikimedia Deutschland



Actual Focus: Format transfer

- Problem: We have ca. 15000 test GND items in MarcXML. As Wikibase only imports csv-data, we need to change the format.
- Solution: The properties are <u>matched</u>. We have defined a procedure (see 9 examples on <u>Github</u>) to be adopted individually for each property.
- Result: We would like you to provide us the adopted source code to each property and paste it into the <u>spreadsheet</u>.



Screenshot of the spreadsheet

Wikibase property	Bezeichnung / Erklärung		link zum Quellcode in github	who did it	status: not started, working on it, comple	
p9	Entitätentyp			Leszek	completed	
p16	Katalogisierungslevel			Leszek	completed	
p15	GND-URI			Leszek	completed	
p19	GND ID			Leszek	completed	
p20	ORCID			Leszek	completed	
p22	Land			Leszek	completed	
p23	Geschlecht			Leszek	completed	
p38	Geburtsort (Verknüpfung)			Leszek	completed	
p39	Sterbeort (Verknüpfung)				not started	
p6	Wirkungsort (Verknüpfung)				not started	
p2	Geburtsort (Textstring)	⁻ 50 pı	roperties so far	·	not started	
p41	Sterbeort (Textstring)	•	-		not started	
p4	Wirkungsort (Textstring)	- need	to be transferre	u —	not started	
p5	Beruf (Textstring)	_	1		not started	
p8	Beruf (Verknüpfung)				not started	
_			l			