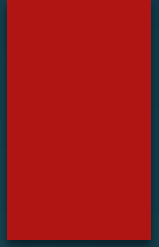




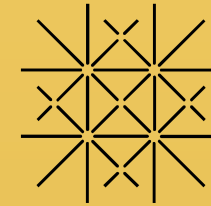
NIE – INE

ONLINE – EDITIONS IN THE DIGITAL HUMANITIES



NIE – INE

NATIONALE INFRASTRUKTUR FÜR EDITIONEN



UNI
BASEL

^b
UNIVERSITÄT
BERN



Data & Service
Center for
the Humanities
DaSCH



swissuniversities



Use Case

- ▶ Leonhard, a Literature Professor



Use Case

- ▶ Leonhard, a Literature Professor



- ▶ He found 20.000 undiscovered poems of a historically significant person



Use Case

- ▶ Leonhard, a Literature Professor
- ▶ He found 20.000 undiscovered poems of a historically significant person
- ▶ He would like to organize them



Use Case

- ▶ Leonhard, a Literature Professor



- ▶ He found 20.000 undiscovered poems of a historically significant person

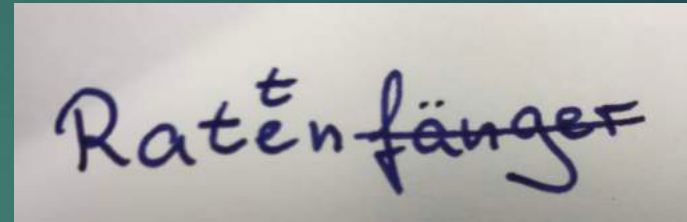
- ▶ He would like to organize them

- ▶ He would like to digitalize them



Digitalize – What does it mean?

- ▶ Digital representation
 - ▶ ~~Rat^tenfänger~~
- ▶ Metadata
 - ▶ Rattenfänger
 - ▶ → isTitleOf famous Tale “Rattenfänger”
 - ▶ Ratten
 - ▶ isRelatedTo disliked political group by the author
 - ▶ isAnimal → Animals appear several times in this poems and have a hierarchy
 - ▶ ...



Rat^tenfänger

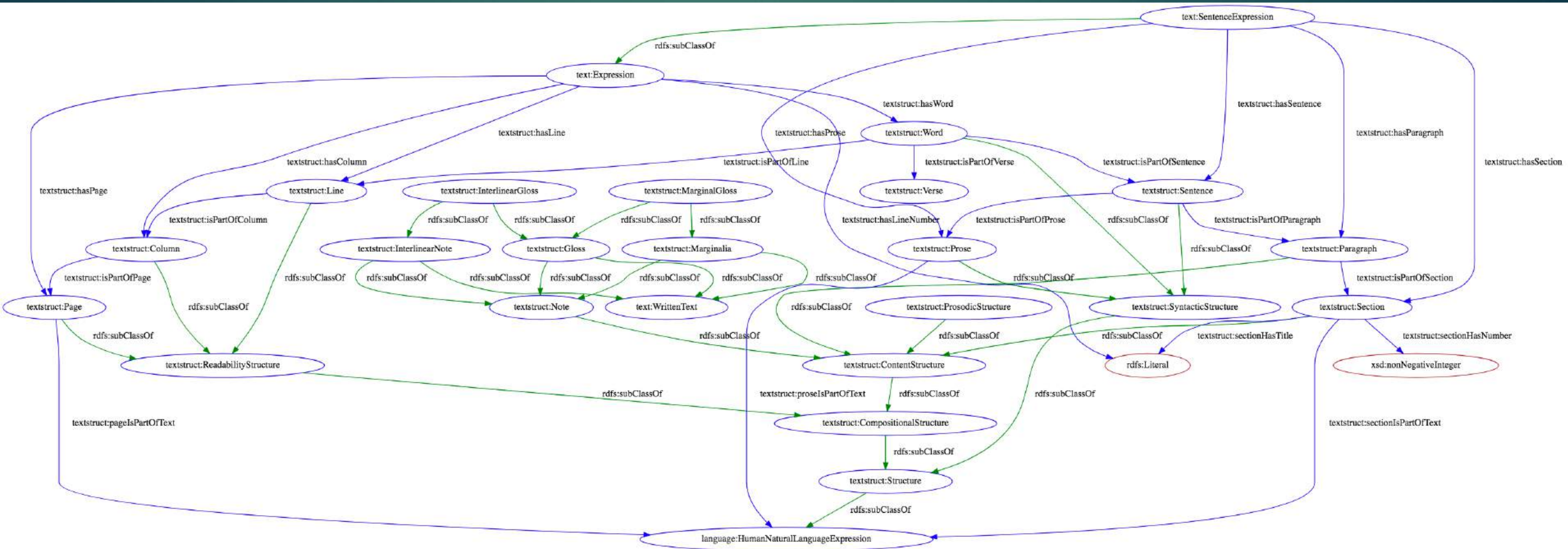
NIE – INE provides linked Datamodels (example letter)

- ▶ Triple – Store
- ▶ RDF / RDFS / OWL
- ▶ ISO – standard datamodels
 - ▶ Dublin Core
 - ▶ FOAF
 - ▶ ...

NIE – INE provides linked Datamodels vowl

<http://www.visualdataweb.de/webvowl/>

NIE – INE provides linked Datamodels (example text structure)



NIE – INE provides linked Datamodels

- ▶ Linked to external datamodels and possibly to external project data
- ▶ Extensible / Adaptable for project needs
- ▶ + consulting services for projects how to use the datamodel



NIE – INE provides conversion software

- ▶ If a project works already in a different software, we convert the data to our data model
 - ▶ ... + StandOff



RDF / RDFS / OWL



NIE – INE provides long term preservation

- ▶ DaSCH
 - ▶ Mission: Long term preservation of data from digital humanity projects after active project period.
 - ▶ Software Stack: Knora, Salsah, Sipi, GraphDB
- ▶ NIE - INE data models work with the DaSCH – stack which ensures long – term preservation
- ▶ Long – term availability entails the ability to migrate data in the event of technology changes
 - ▶ For example html? to a future Markup Language



NIE – INE provides frontend – presentation modules

- ▶ To present a citeable output of the research results of the project
- ▶ To provide diverse search possibilities
 - ▶ Via Knora – API
 - ▶ V1: Easy to use RESTful API
 - ▶ V2: Sparql – RESTful API
 - ▶ Via divers GUIs
- ▶ Example:
 - ▶ Search for all text passages that refer to a specific content (possibly via the Text – Metadata)



NIE – INE provides frontend – work environment modules

- ▶ To create / update / manipulate data directly in the DaSCH – stack
- ▶ To annotate images...



Output for Leonhard by the support from NIE-INE




▶ Work environment



nieOS - Arbeitsfläche Sprache Einstellungen

Image Viewer 0



NIE-INE Apps

- Image Viewer 0
- Text Viewer 0

Text Viewer 0

Font size: Visione notturna 100 %

Find in the text X < >

text-view-structure works!

- Editore:
 - Pallino, Pinco
- Titolo: Titolo
- Autore:
 - Sempronio, Tizio
- Luogo: Mendrisio
- Data: 01.01.1800

Wenn ich die Gedichte des vergangenen Jahres durchsehe, dann bemerke ich darin, vor allem in der zweiten Serie, zuweilen eine unerfreulich pedantische Neigung, das Prinzip der „natürlichen“ Wortstellung // zutode zu reiten, d. h., auch dort den Satz nach der in der Prosa, im Alltagsgespräch üblichen Weise aufzubauen, wo ich es sonst, wenn es nur nach mir, nach der Stimmung der Situation gegangen wäre, nicht

Save View

Output for Leonhard by the support from NIE-INE



- ▶ Work environment
 - ▶ Or conversion software



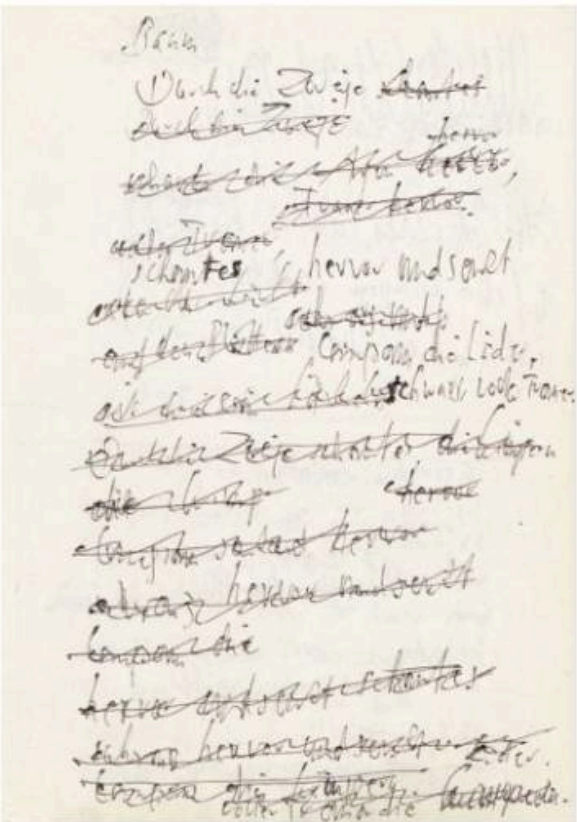
Output for Leonhard by the support from NIE-INE



- ▶ Work environment
 - ▶ Or conversion software
- ▶ Online – Presentation

Seite 003 X

(A-5-g_01_003.jpg)



Baum

Durch die Zweige schaut es
Durch die Zweige

schauen^{ent} die Augen ^{hervor} voller,
Trauer hervor.

voller Trauer,
schaut es hervor und senkt
aber das Licht

auf den Blättern schwarz und tr
langsam die Lider,
ist wie ein Lächeln: schwarz, voller Trauer

Durch die Zweige schaut es, ~~die Wimpern~~
hervor

die Wimp
langsam senkend hervor
schwarz hervor und senkt
langsam die
hervor und senkt schaut es
schwarz hervor und senkt
langsam die Wimpern:
Lider.
voller Trauer die Wimpern. //



Output for Leonhard by the support from NIE-INE



- ▶ Work environment
 - ▶ Or conversion software
- ▶ Online – Presentation
- ▶ Data long – term preserved in the DaSCH
 - ▶ Searchable
 - ▶ Quotable
 - ▶ Versionable
 - ▶ Combineable



Example participating edition projects

- ▶ Literature
 - ▶ Atharvaveda
 - ▶ Some of the holy scripts in Hinduism
 - ▶ Wölfflin
 - ▶ Art Historian
 - ▶ Lavater
 - ▶ Philosopher, Author, Priest
- ▶ Science
 - ▶ Bernoulli Euler Briefwechsel
- ▶ Music
 - ▶ Anton Webern



Thank you for your attention

- Questions?

- ▶ NIE-INE
 - ▶ <https://www.nie-ine.ch/>
- ▶ S3IT
 - ▶ <https://www.s3it.uzh.ch/>
- ▶ Jan Clemens Stoffregen
 - ▶ jan.stoffregen@uzh.ch

