LMU LUDWIG-MAXIMILIANS-UNIVERSITÄT MÜNCHEN

VERBA ALPINA

VerbaAlpina

(Virtual Research Environment)

Workshop

http://www.verba-alpina.gwi.uni-muenchen.de

Ljubljana, 16.07.2015

Workshop Outline

- Project presentation
- Web interface, Media Library
- Transcription tool (Beta CODE)
- SQL – From scratch to a map

From Traditional Geolinguistics …

- Traditional European geolinguistics: a wide world of atlases, dictionaries, monographs
- A detailed view of singular regions, basically singular dialectal regions ➔ mostly monolinguistic
- Supposition: linguistic phenomena exceed (dialectal/linguistic) borders ➔ how to visualise this?

➔ Aim: visualisation of a multilingual space based on the traditional geolinguistic work

… Towards Modern Geolinguistics

- Region: alpine space

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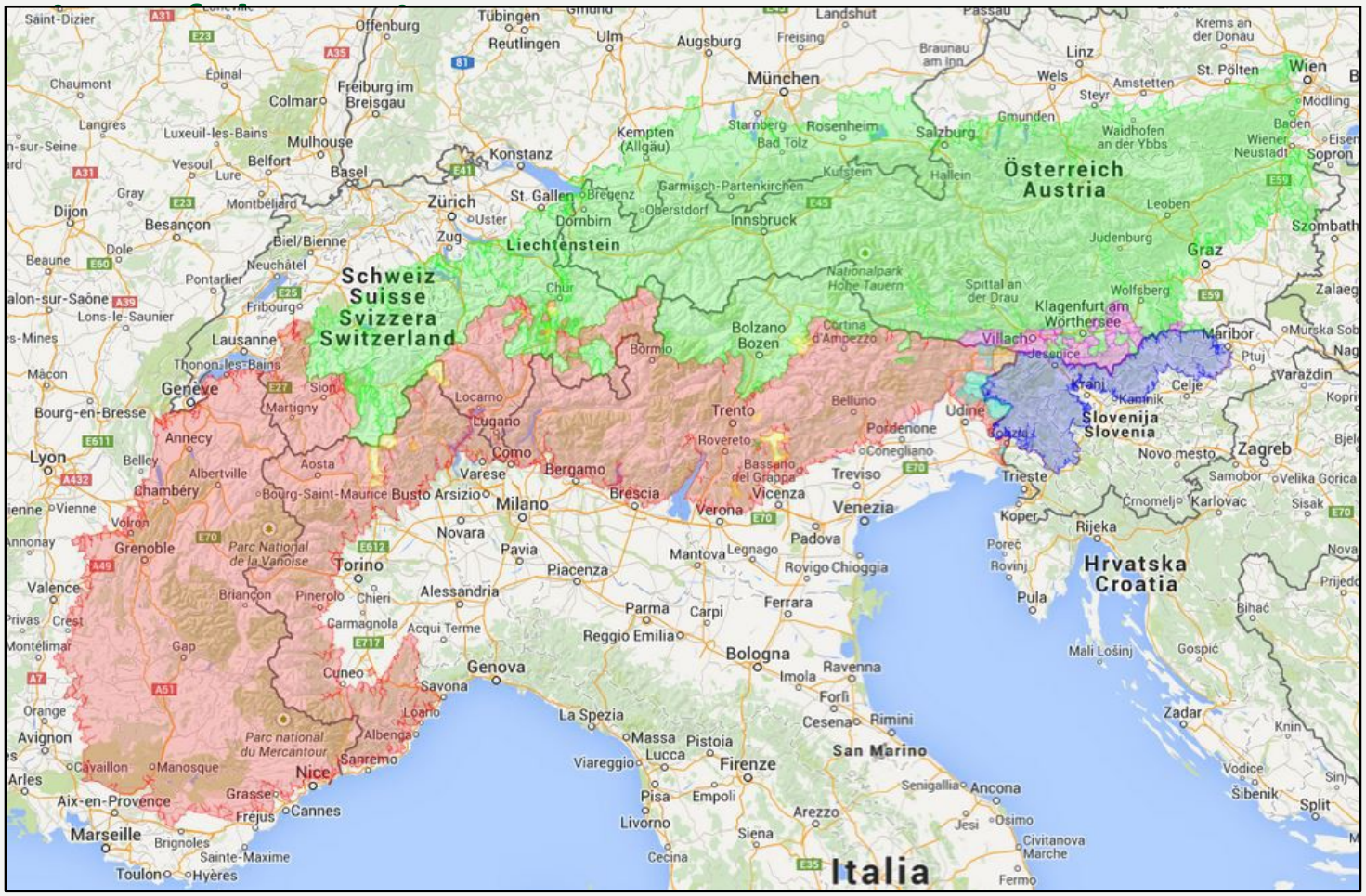
- Region: alpine space
- Linguistic situation: multilingual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Suisse
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Rovereto
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Locarno
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Nationalpark Hohe Tauern
Spittal an der Drau
Klagenfurt am Wörthersee
Villach
Maribor
Ljubljana
Celje
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Novo mesto
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Split
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Ancona
Pisa
Livorno
Siena
Arezzo
Empoli
Lucca
Pistoia
Massa
La Spezia
Parma
Reggio Emilia
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Zug
Uster
St. Gallen
Bregenz
Dornbirn
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Kempten (Allgäu)
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Bad Tölz
Rosenheim
Kufstein
Hallein
Gmunden
Waidhofen an der Ybbs
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Steyr
Wels
Linz
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Freising
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Eisenstadt
Szombathely
Zalaegerszeg
Murska Sobota
Nagykanizsa
Varaždin
Koprivnica
Bjelovar
Velika Gorica
Sisak
Karlovac
Crnomelj
Samobor
Prijedor
Nova Gradiška
Bihać
Gospić
Mali Lošinj
Rovinj
Poreč
Vodice
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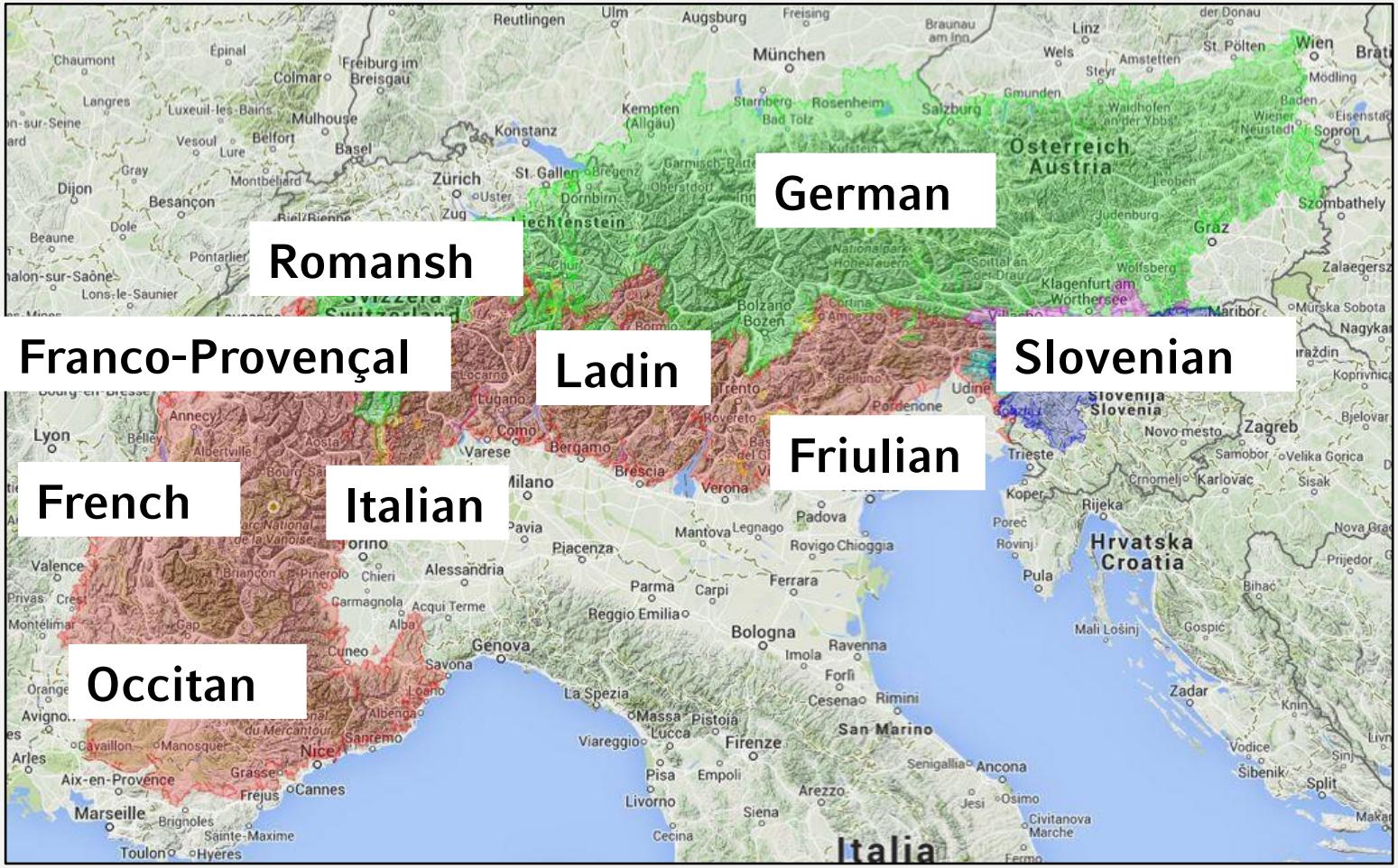
German
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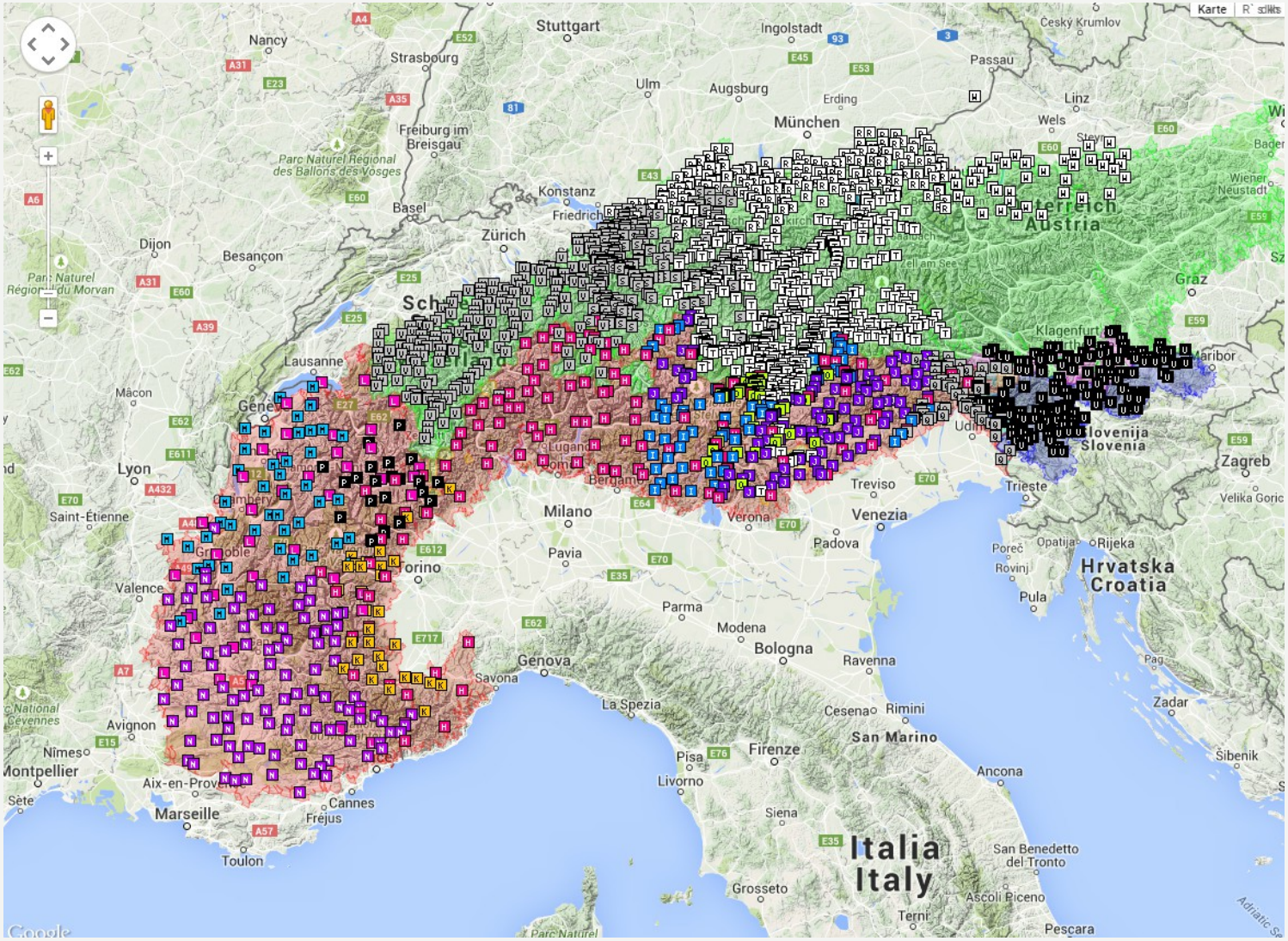
Ladin
Slovenian
Friulian
French
Italian
Occitan

… Towards Modern Geolinguistics

- Region: alpine space
- Linguistic situation: multilingual
- Outcome of traditional geolinguistics: at least 6 dictionaries and 16 atlases

Verba Alpina Workshop

- Informanten AIS
- Informanten ALD-I
- Informanten ALD-II
- Informanten ALEPO
- Informanten ALF
- Informanten ALJA
- Informanten ALP
- Informanten ALTR
- Informanten APV
- Informanten ASLEF
- Informanten BSA
- Informanten VALTS
- Informanten TSA
- Informanten SLA
- Informanten SDS
- Informanten SAO



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➔ Starting point for VerbaAlpina

Project Descriptions: Basic Points

- *VerbaAlpina. Der alpine Kulturraum im Spiegel seiner Mehrsprachigkeit*
- Funded by the German Research Foundation (DFG)
- 1st term: 2014–2017 (perspective until 2025)
- Combination of (geo-)linguistics and digital humanities

Project Descriptions: Aims

- Selective and analytical investigation of the linguistically and dialectally highly fragmented alpine space in its historico-cultural and historical-linguistic unity
- Overcoming of the traditional limitation to national states and by that means open the way for broader research
- Selected fields: nature, cultural history, cultural present
- Setting a virtual research environment by using modern media technology: documentation, data collection, collaborative development

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Project Description: Team

Project leaders

- Prof. Dr. Thomas Krefeld (Institute for Romance Studies)
- Dr. Stephan Lücke (IT group of the faculties of humanities)

Members of staff

- Susanne Oberholzer (scientific coordination, German/Romance studies)
- Markus Kunzmann (German studies)
- Aleksander Wiatr (Romance/Slovenian studies)
- Florian Zacherl (computer science)
- Mona Neumeier, Giorgia Grimaldi, Christina Mutter (scientific assistants)

Potential of New Media within Modern Geolinguistics

- We have:
  - analogue published data (atlases, dictionaries)
  - digital and analogue data from cooperation partners
- We need:
  - digitalize analogue data
  - transfer digital data
  - collect new data ← crowdsourcing

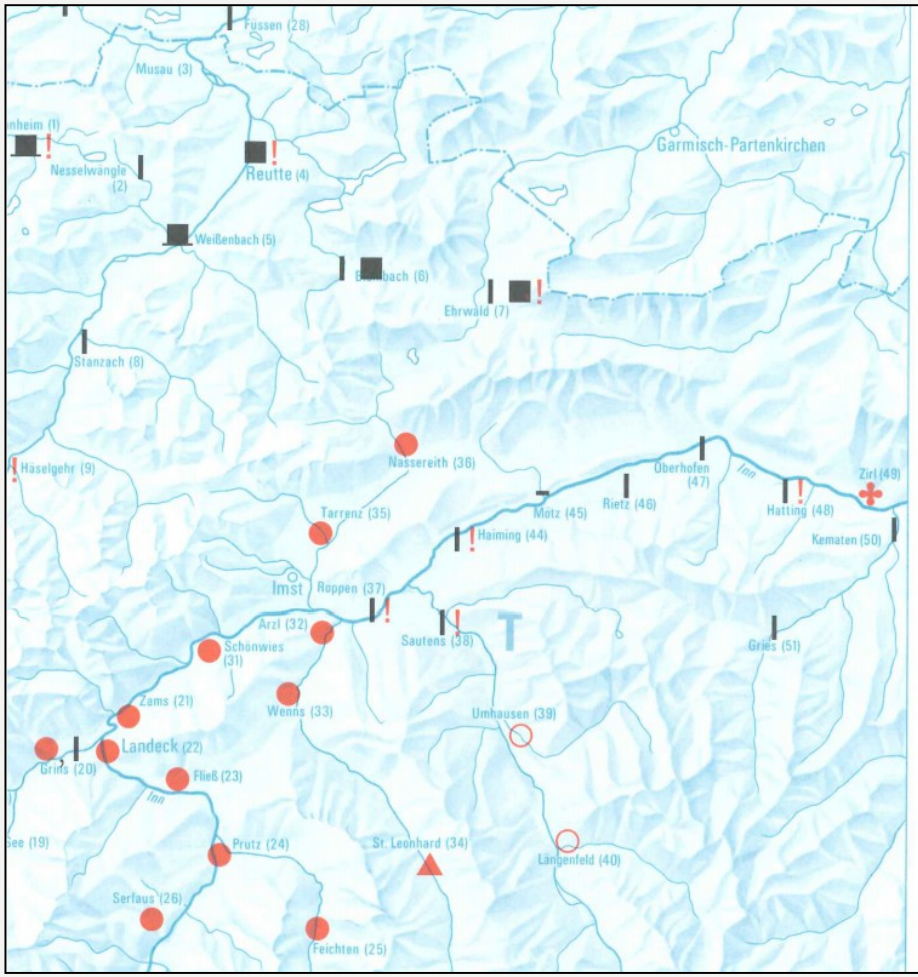
➔ document the distribution of the characteristic alpine lexis in its geolinguistic totality

Potential of New Media within Modern Geolinguistics (II)

- VRE: VerbaAlpina for scientists and folk scientists
- All data on the same place
- All the data is traceable back (Quellentreu)
  - We know who donated what
  - You can always modify your data
- Scientific knowledge exchange and dissemination
  - Scientific
  - Popular

➔ Transfer of all data, independently of the origin, to a consistent data structure and encoding ← beta code

VALTS IV 73: The Chalet respectively the Room of Alpine Dairy on the Alp



Romanische Bezeichnungen

Typus ‹*Tieje*› (*tîəi̯ə, -î̯ə-*, V 79 *-ûə-*)

▼ = Primitive Sennhütte auf Maiensäßen
▽ = Sennküche
▽ = Käsekeller

Typus ‹*Taje*› (= Alphütte, ohne V 16)

○ *tɐi̯ə, tai̯α* } wie mhd. *ī* im Hiatus, vgl.
⊖ *teɪ̯ə* (V 16) } VALTS II 57, 58 a
▨ *tāi̯ə* } wie mhd. *ei*[1]
● *tǭəi̯ə, -ǭi̯-*
● *tǫ̆i̯ə*
▲ *tǭə* (T 34)
✤ *Käser (kxāsəʀ)* f.

Deutsche Bezeichnungen

| *Hütte (Senn-, Alp-, Berg-)*
▯ *Sennhaus*
■ *Sennküche* } Sennereiraum inner-
■ *Käsküche* } halb der Alphütte
– Sache fehlt auch im hochalpinen Gebiet
!! Hinweis auf die Legende
Kein Zeichen: Sache (Alpwirtschaft) fehlt

Negativbelege für

Tieje, Taje: T 37, 44, 48, 54–56; GR 19

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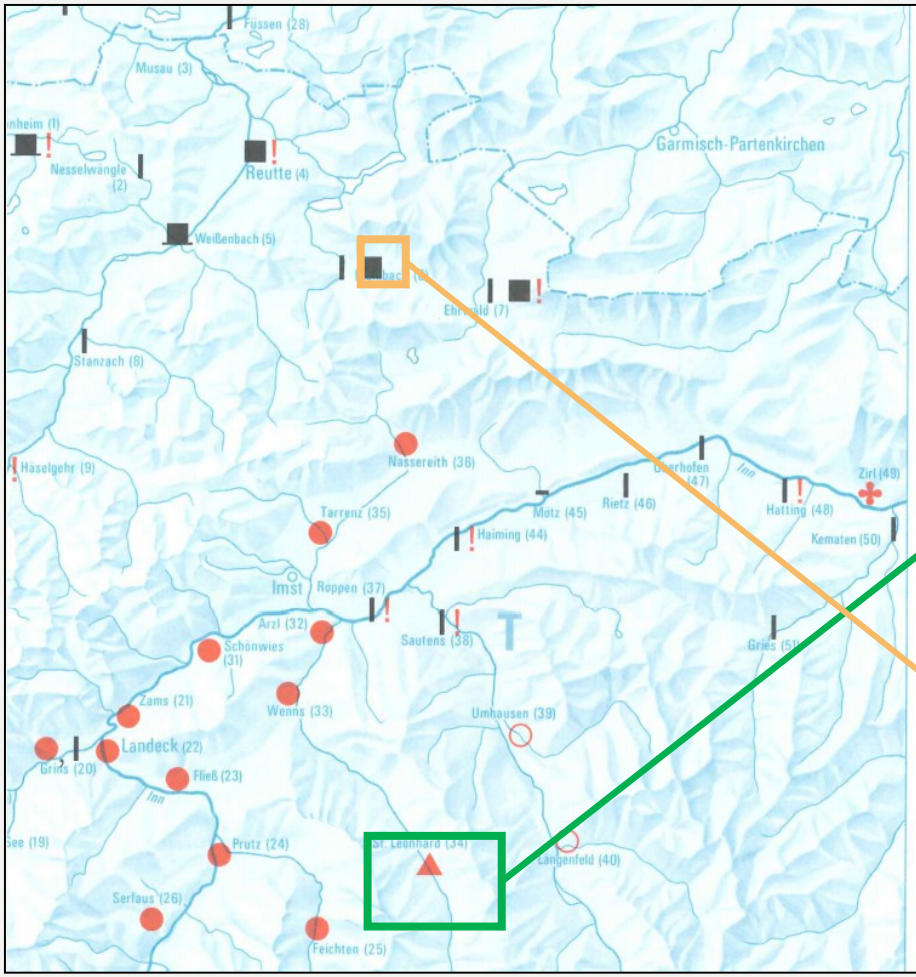

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Various Challenges: One Map – Mix of Information

- Different phonetical forms
- Different morphological forms
- Different lexemes

➔ No problem for traditional geolinguistics

➔ A challenge for VerbaAlpina!

Various Challenges: Heterogeneity of Projects

- Analogue or digital
- Research purpose
- Period of survey
- Missing information concerning the method of survey (direct, non direct)
- Transcriptions systems

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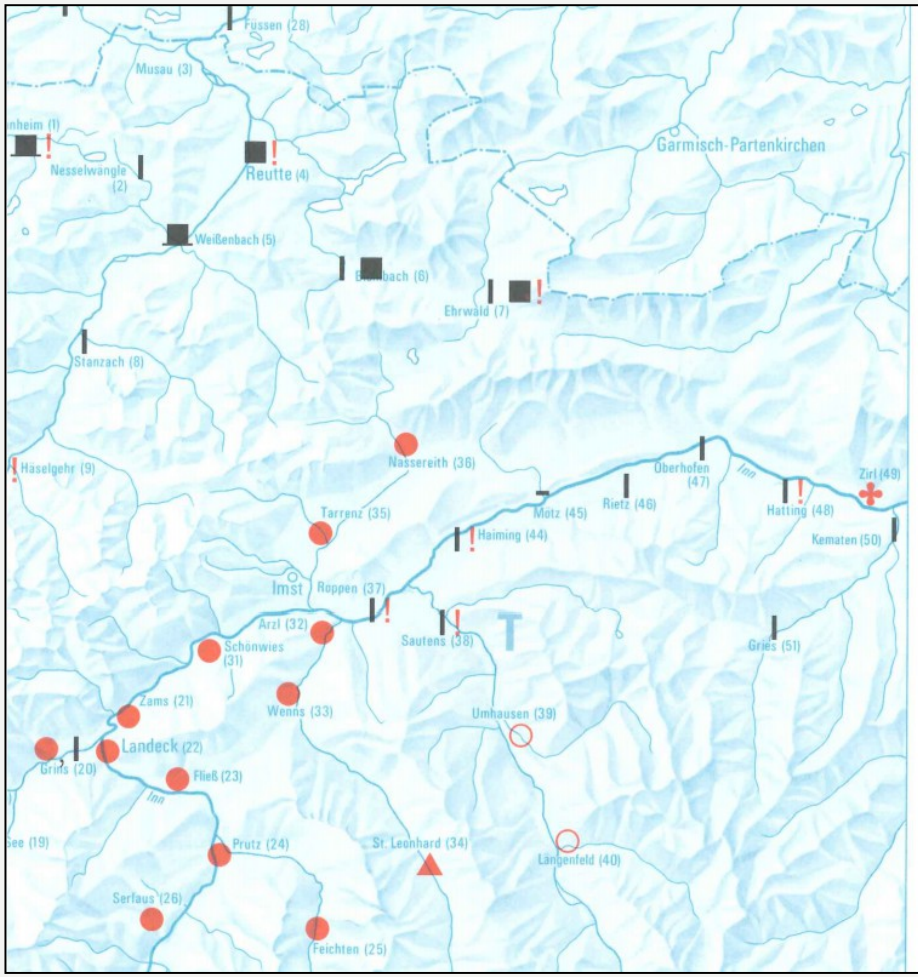

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VALTS: Relational representation of data

Record	Beta code	IPA	Phonetic Type	Morphologic Type	Concept
	to(-e1	tɔːə	Taje	[Teie] (Idiotikon)	CHALET
?	?	?	?	Sennküche	ROOM INSIDE THE CHALET FOR THE PRODUCTION OF CHEESE

Various Challenges: System of transcription

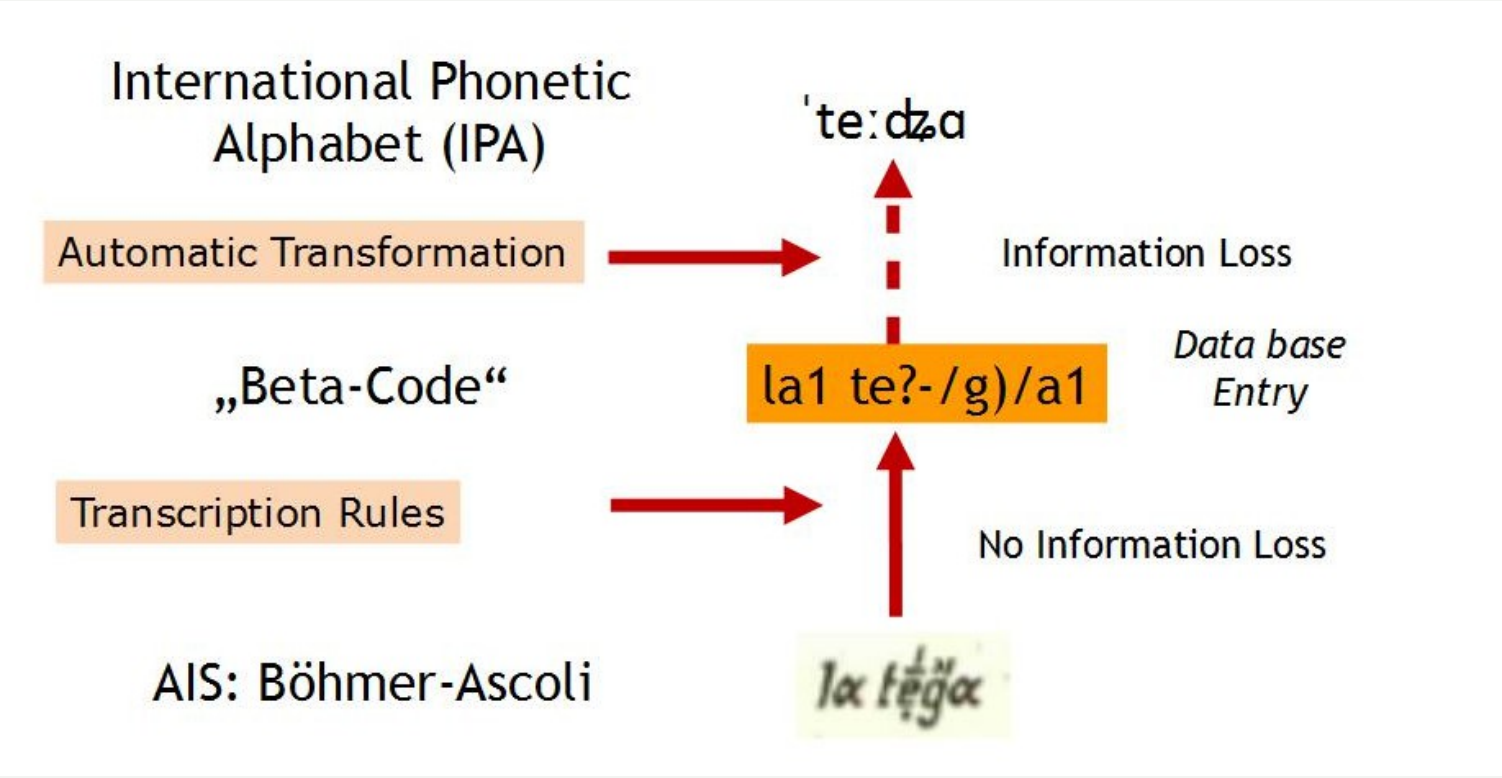
Analogue:

- Böhmer-Ascoli
- Guillieron-Edmont
- …

Digital (problem UNICODE):

- ALTR
- PVA
- …

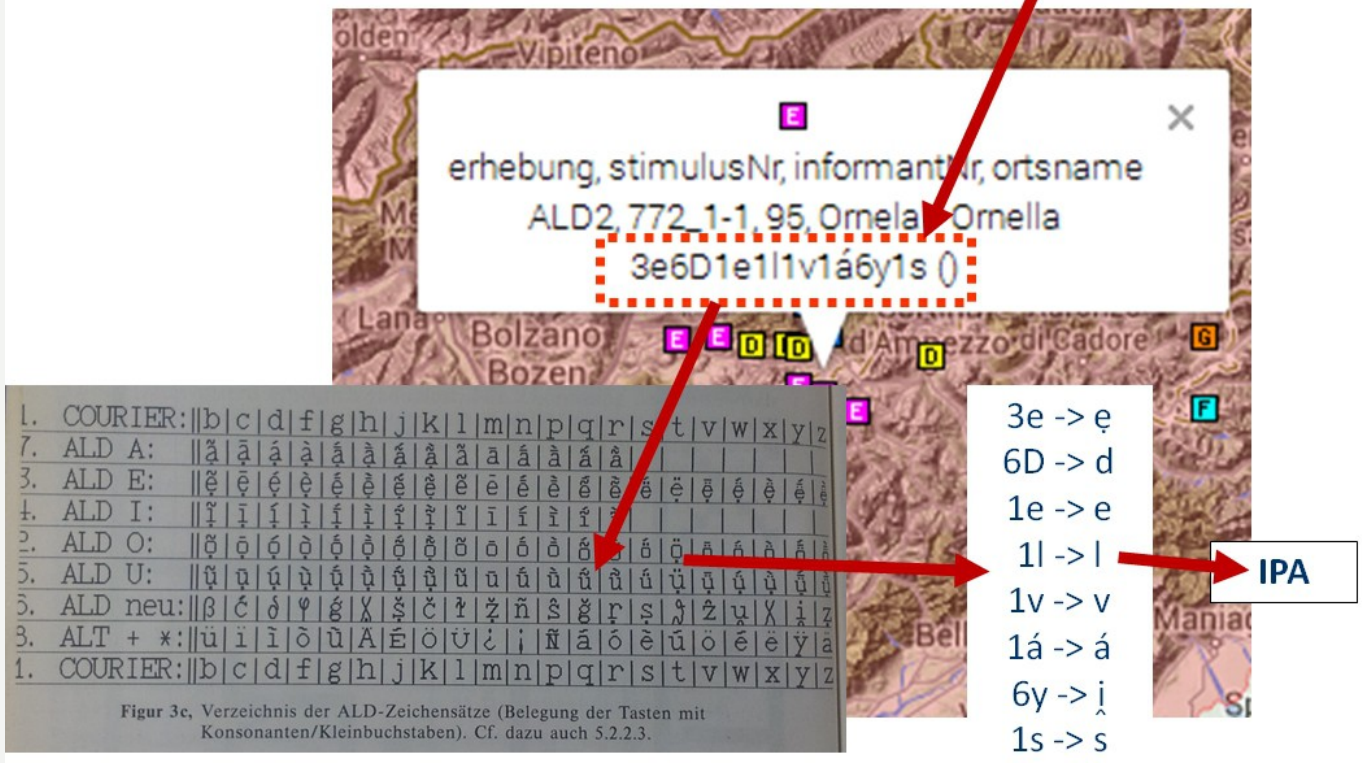
Transcription Systems (I): Beta Code



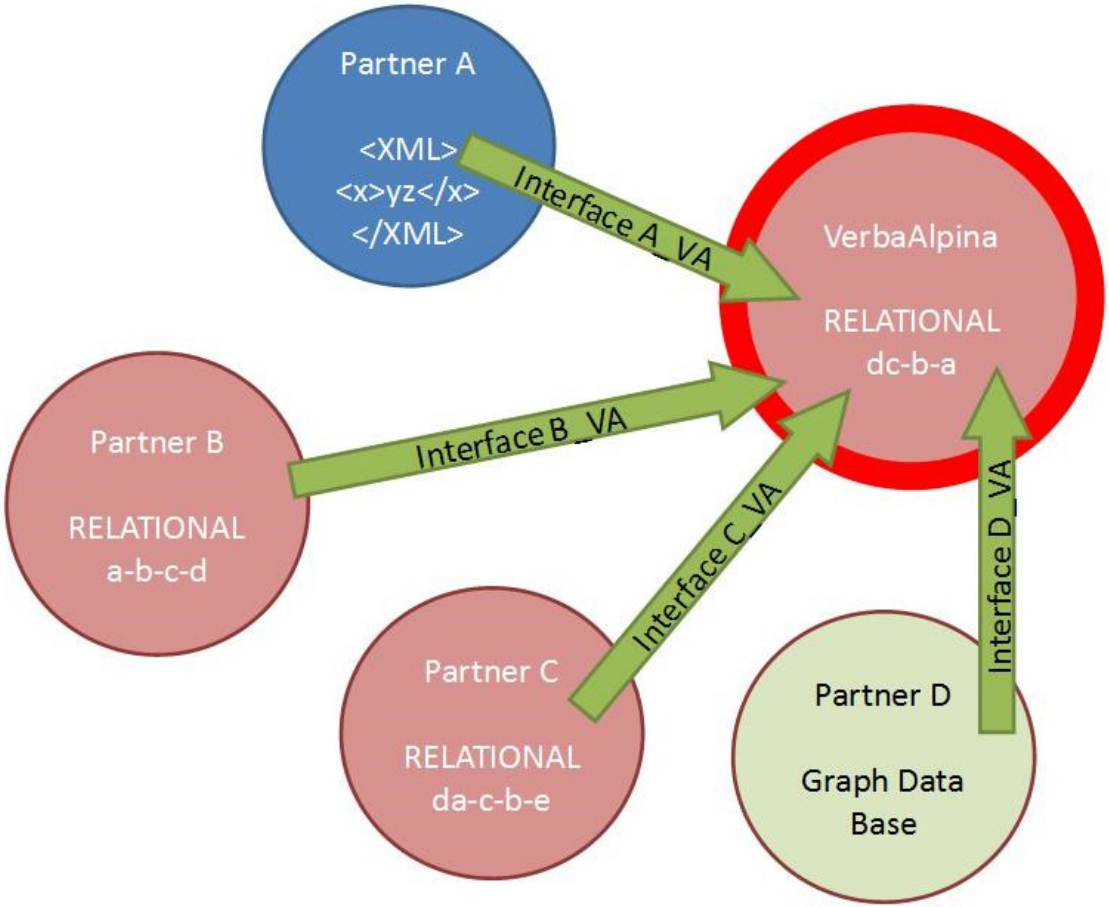
Transcription Systems (II): Encoding

PVA_ALD2:

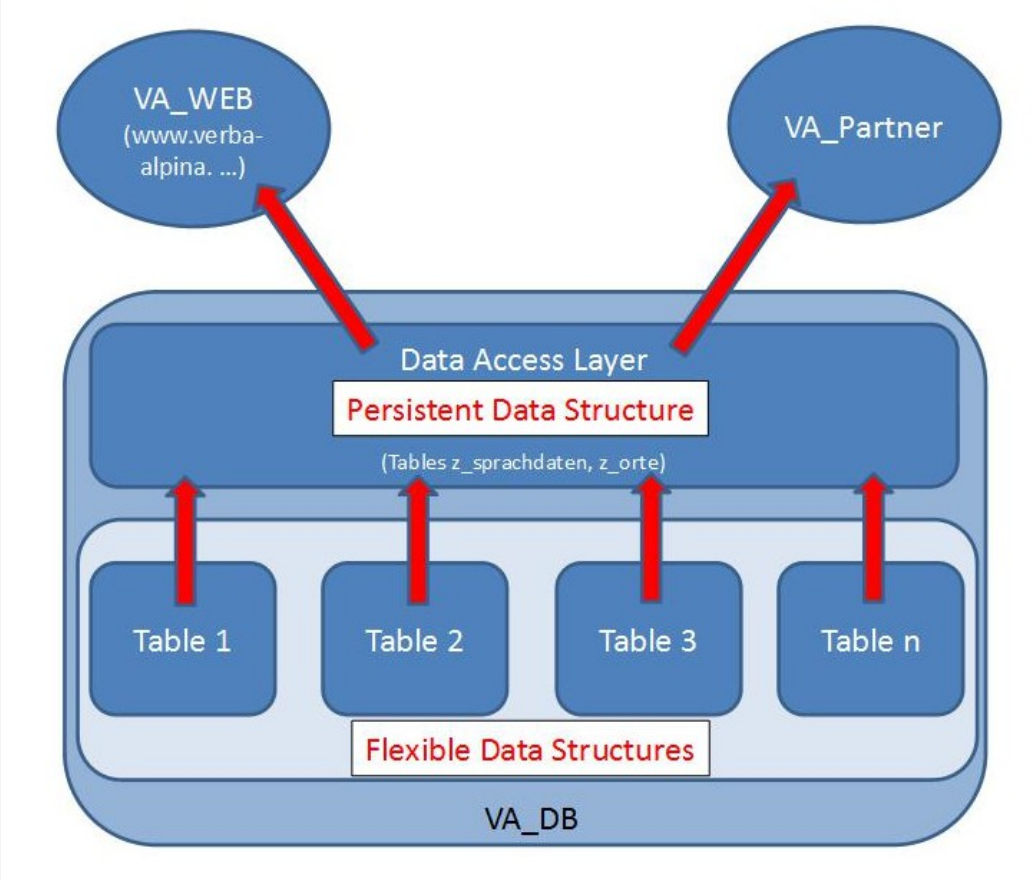
quelle	fragenr	ortnr	token
ALD2	772	95	3e6D1e1l1v1á6y1s



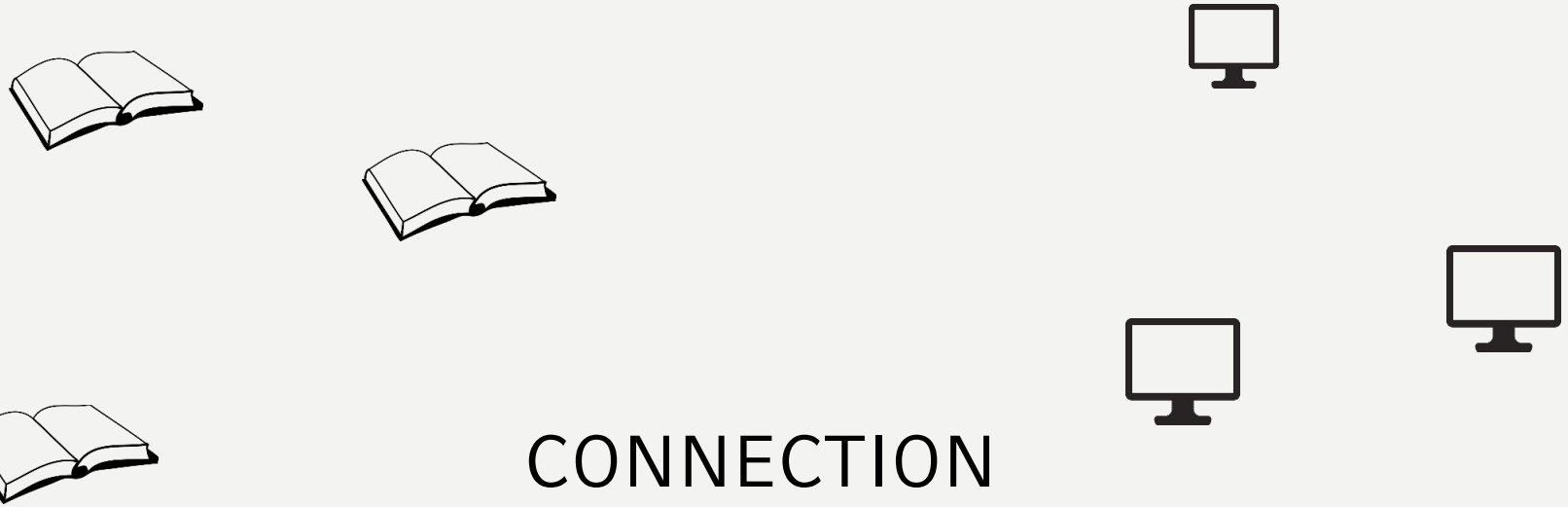
Adjustment of Data Structures



Interface


VA_WEB
(www.verba-alpina. ...)
VA_Partner
Data Access Layer
Persistent Data Structure
(Tables z_sprachdaten, z_orte)
Table 1
Table 2
Table 3
Table n
Flexible Data Structures
VA_DB

Situtation and what we offer: the connection and technology



CROWD – newest data

Collection of new data with *crowdsourcing*

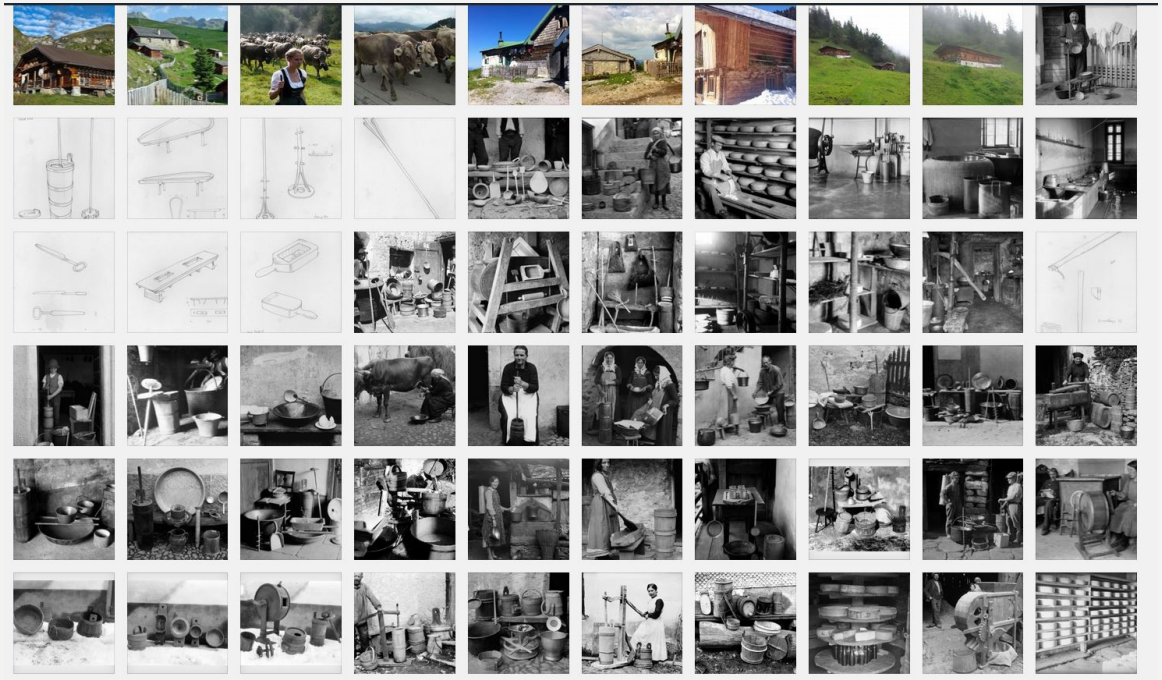
- Inconsistencies within the material of the lingustic atlases
- Differences in
  - the original data
  - documented concepts
- Heterogeneous Data

→ **Crowdsourcing**

- to even out inconsitencies
- to remove gaps and inaccuracies
- to show the contemporary lexis

Verba Alpina Media Library

- Collection of fotos that depict Verba Alpina concepts
- Relationship with one or multiple concepts



Verba Alpina Media Library: Examples

→ manual

→ electric

Verba Alpina Media Library: Examples

Communication between Citizens and Scientists

- Participation of Citizens
  - Via the research environment
  - http://www.verba-alpina.gwi.uni-muenchen.de
  - Via an app
- Data Validation
  - Using independant sources
  - Identical data mutually support each others validity
  - Tests of expertise

Temporary Example