# Open Linguistics Working Group (OWLG)

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# Open Knowledge Foundation (OKFN, http://okfn.org)

- non-profit organization
- founded in 2004
- promote open knowledge in all its forms
  - e.g., publication of government data (UK, US)
- provide infrastructural support for several working groups

# OKFN Open Linguistics Working Group (OWLG)

- founded in Oct 2010 in Berlin, Germany
- open network of individuals interested in
  - linguistic resources and/or
  - their publication under open licenses
- multi-disciplinary
  - NLP/CL, typology/language documentation, SW, …
- infrastructure
  - mailing list, web site/blog, wiki
  - http://linguistics.okfn.org

# OWLG goals (http://linguistics.okfn.org)

1. **Promote open data** in relation to language data
2. Point of **reference and support** for open linguistic data
3. **Facilitate communication** between researchers that use, distribute, or maintain open linguistic data
4. **Mediate between providers and users** of technical infrastructures
5. Build and maintain an **index of open linguistic data sources**
6. Assemble **best-practice guidelines and use cases** concerning creating, using and distributing data
7. Gather **information on legal issues**

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these aspects are specifically well developed

# OWLG activities



- mostly point-to-point cooperations between individual members
- regular telcos/meetings
- workshops -> building an interdisciplinary community
  - collocated with larger events of different communities
  - Linguistics Track of the OKCon, June 2011, Berlin, Germany
  - Linked Data in Linguistics -> linguistics / NLP
    - March 2012, Frankfurt/M., Germany -> academic linguistics
    - Sep 2013, Pisa, Italy -> NLP/semantics
    - May 2014, Reykjavik, Iceland -> NLP
  - MLODE-2012, Sep 2012, Leipzig, Germany -> IT
  - Linked Data in Linguistic Typology, Sep 2013, Leipzig, Germany

# OWLG activities

- point-to-point cooperations between individual members
- regular telcos/meetings
- workshops -> building an interdisciplinary community
  - keeping ties with other communities & projects
  - e.g., Cyberling, W3C OntoLex, ACL SIGANN/SIGLEX
  - e.g., MPI-EVA, LOD2, LIDER, QTLeap
- joint publications and presentations
- building and maintaining the Linguistic Linked Open Data (LLOD) [sub-]cloud

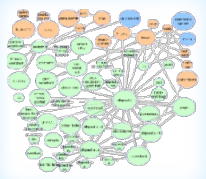
# LLOD cloud



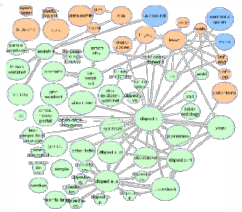
- a collection of linguistic resources
  - published under open licenses
  - as linked data
  - decentralized developed and maintained
  - meta data at http://datahub.io

    => cloud diagram
  - developed as a community effort in the context of the Open Linguistics Working Group of the Open Knowledge Foundation

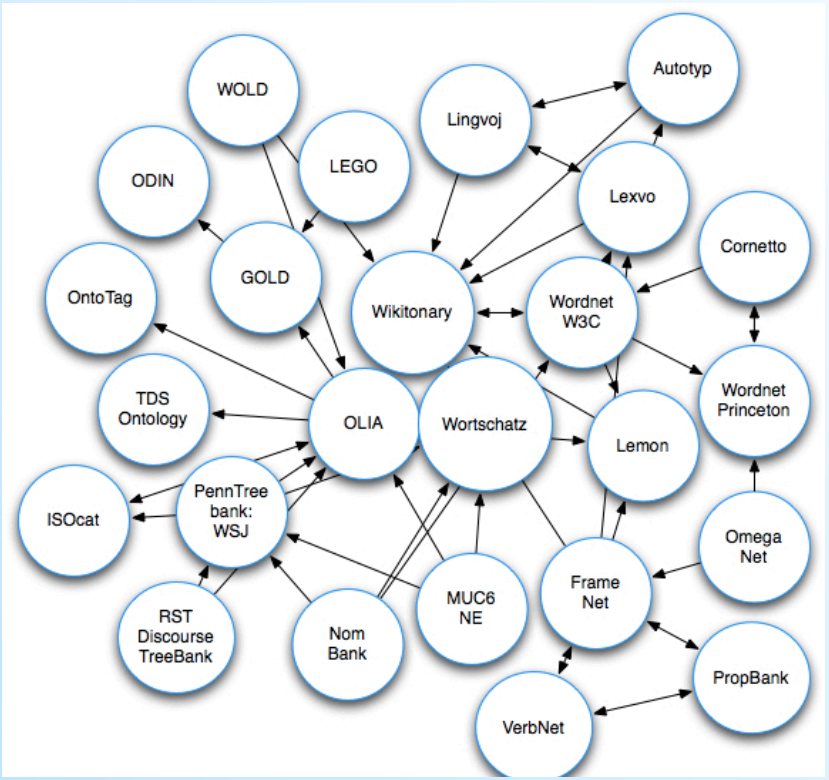
next:
LLOD 2011-2014



# Building the Cloud: 2011
# A sketch from a table napkin



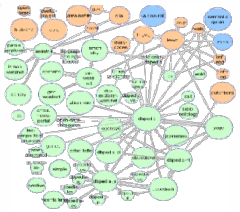
- initially, we maintained a list of open **or** representative resources
  - in Jan 2011, we marked possible synergies
- merely a vision
  - includes non-open resources as placeholders for other resources to come
  - not physically realized




- a strong metaphor brought to a new community

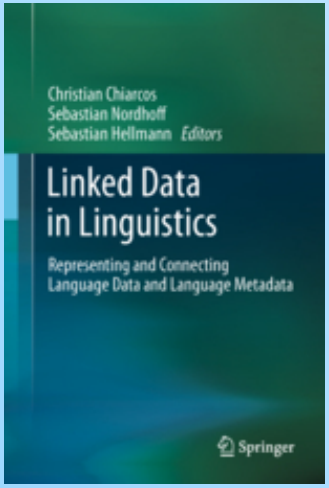
http://nlp2rdf.lod2.eu/OWLG/llod/2011/01/llod.png

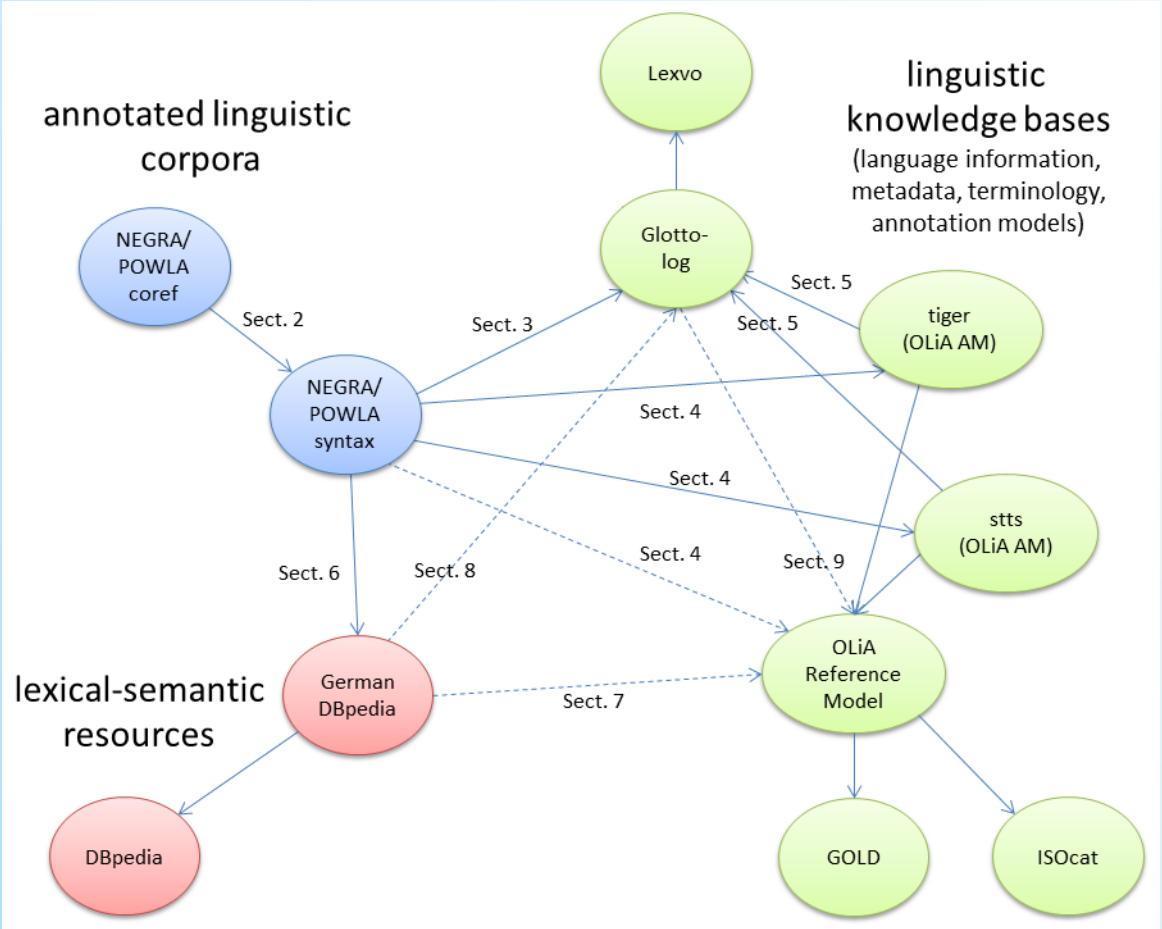
# Chiarcos, Hellmann & Nordhoff „Linking Linguistic Resources“ (2012)



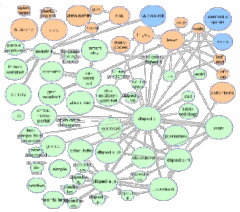
## Closing chapter of the LDL-2012 companion volume

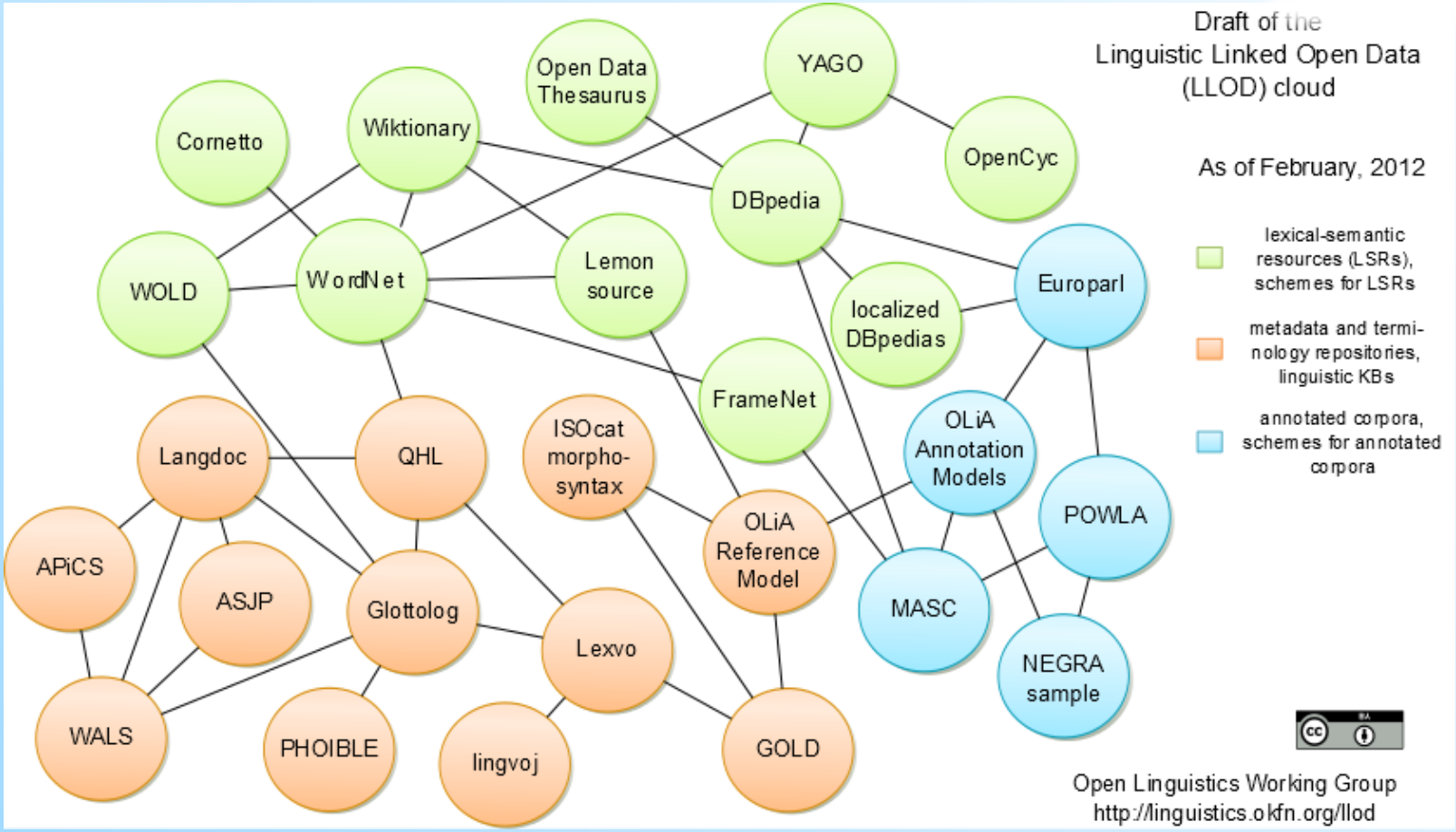
- **hypothetical** linking for selected data sets from NLP, SW and typology described in the book



# Drafting the Cloud: LREC-2012



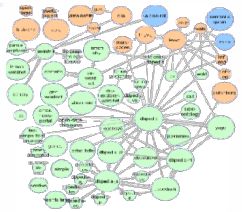



„draft status“

hand-crafted, including resources whose RDF conversion and linking was **suggested**, not yet performed at the time

http://nlp2rdf.lod2.eu/OWLG/llod/2012/02/llod.png

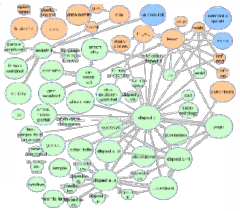
# Building the Cloud: MLODE-2012

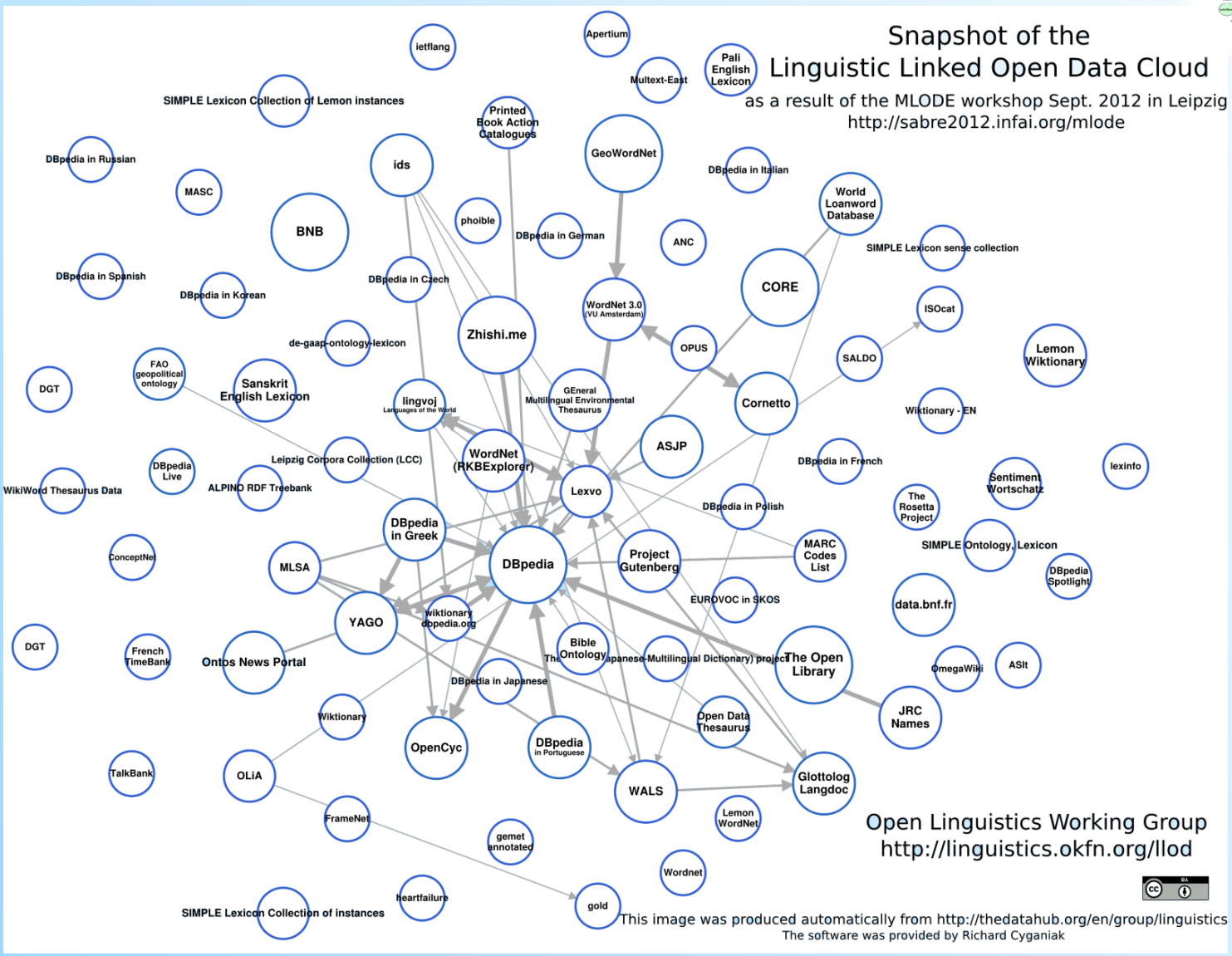


- Multilingual Linked Open Data for Enterprises
  - goal: build the first instance of the LLOD cloud
  - workshop & hackathon
    - authors were encouraged to provide data
    - data conversion, metadata update at http://datahub.io
- automatically generated diagram
  - Richard Cyganiac ‘s converter scripts

http://sabre2012.infai.org/mlode

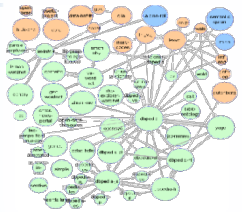
# Building the Cloud: MLODE-2012





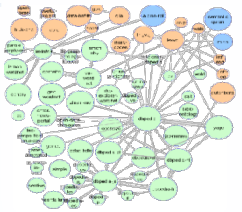

http://linguistics.okfn.org/resources/llod/

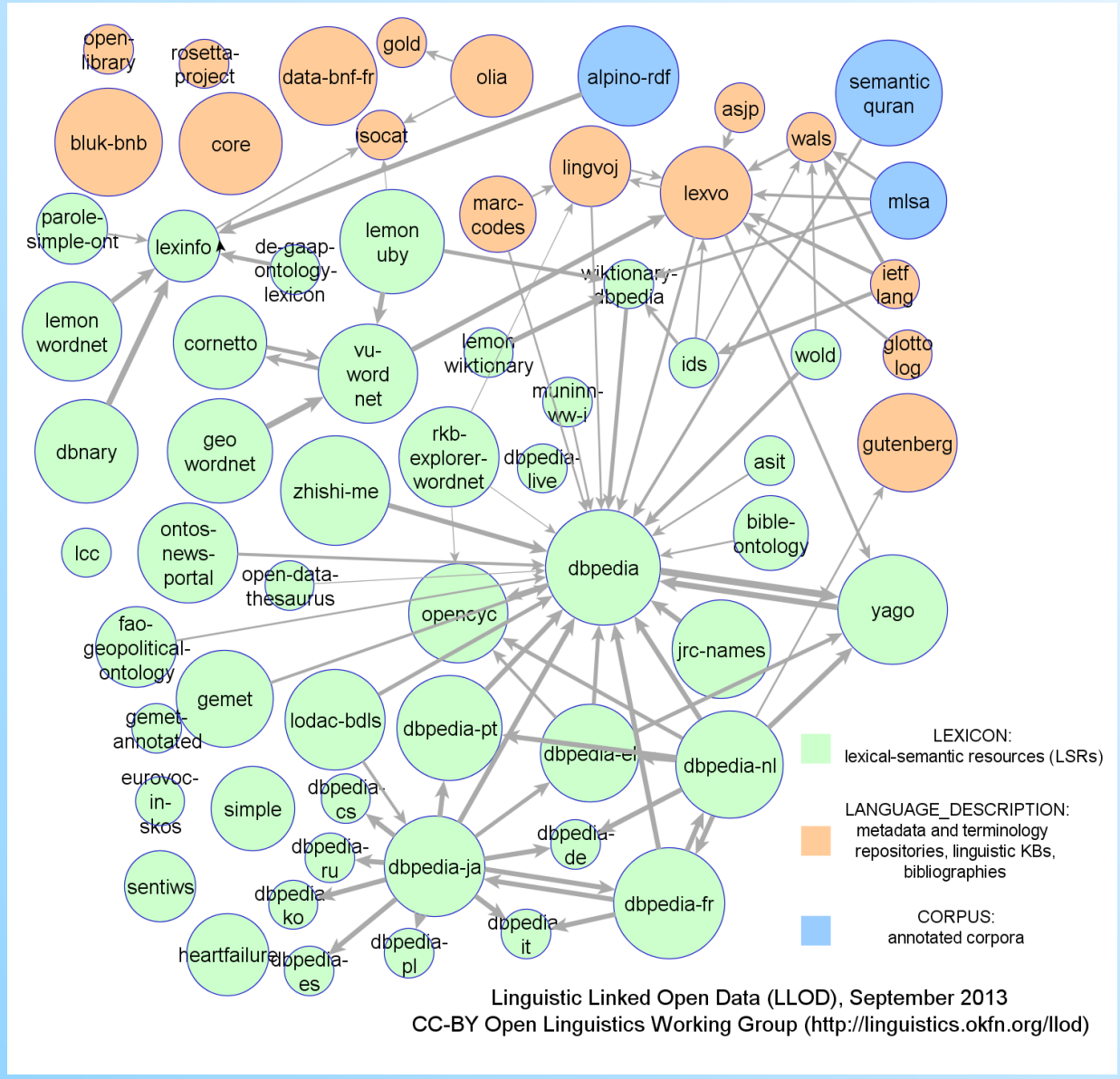
# Building the Cloud: 2013+



- MLODE data post-proceedings
  - Special issue of the Semantic Web Journal
  - Preparation of additional data sets in the process
    - e.g., lemonUby (Eckle-Kohler et al., accepted)
- Linked Data in Linguistic Typology, Aug 2013
  - additional potential datasets
    - lexical databases of Austronesian languages
    - a database of syllable structures
- Intensified community work

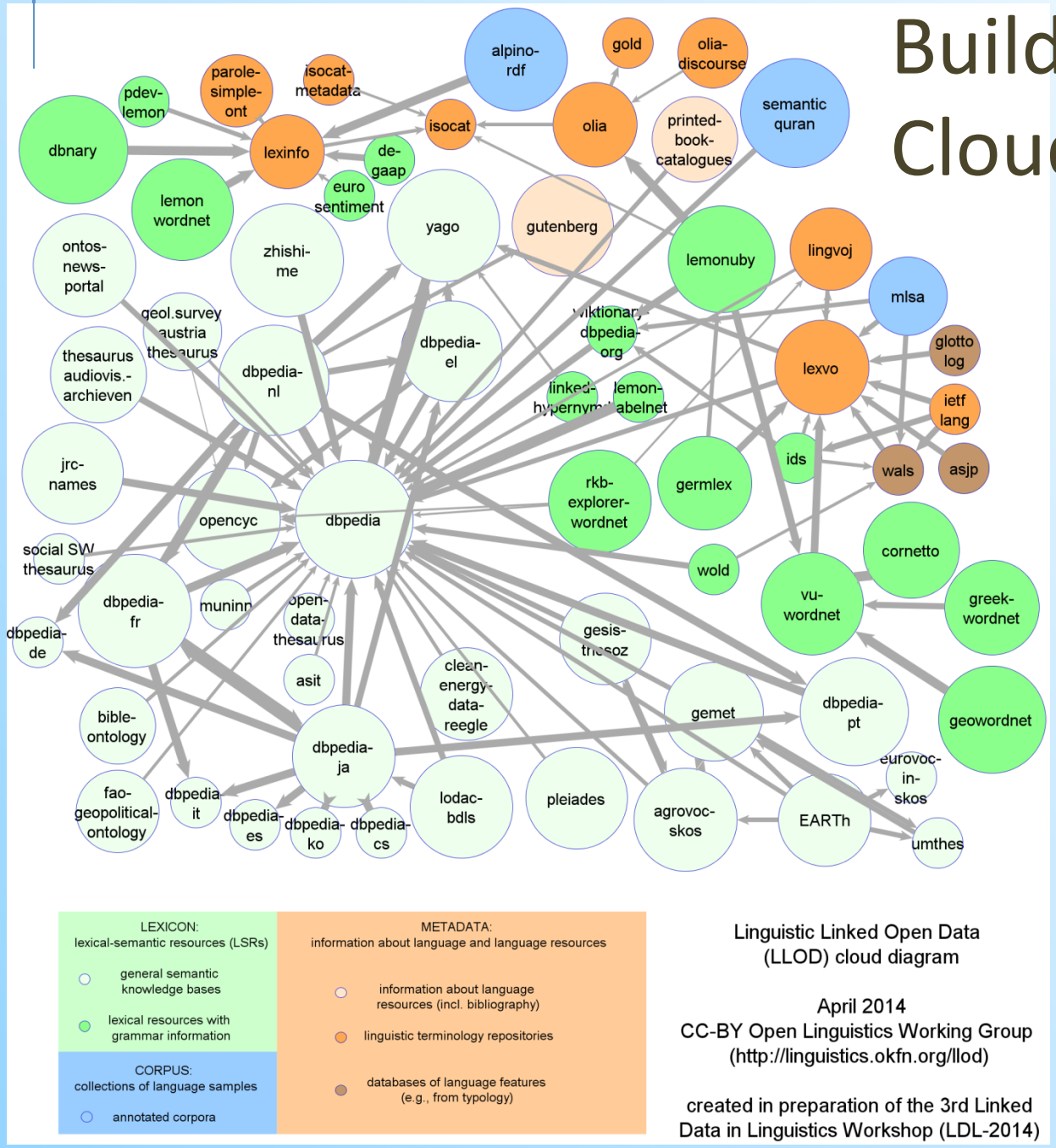
# Building the Cloud: Sep 2013






- more data sets
  not fully linked, yet
- new drawing script
  - by John McCrae & Christian Chiarcos
- manually categorized and colored
  - GraphML

# Building the Cloud: May 2014




- more data sets
- more rigid criteria
  - linked & accessible
- two-layered resource taxonomy
- this (<=) version is merely to eliciate feedback
  - new diagram end of May 2014

# Recent developments

- finalizing LLOD diagram revision
  - for LDL-2014, May 27th, 2014
- harmonizing linguistic resource categories
  - synchronization with MetaShare categories
- adding new resources
  - relevant LREC „Share your resources“ datasets ?
- subsequently enforce further constraints on LLOD „bubbles“
  - open licenses (currently: accessible ~ LOD diagram)
  - well-formedness / meta data check