CLLD – Cross-Linguistic Linked Data Robert Forkel Department of Linguistics, Max Planck Institute for Evolutionary Anthropology

Gnal

Help collecting the world's language diversity heritage by providing interoperable data publication structures

Linguistic databases on the web

Observations

- ✓ Almost all quantitative papers at ALT 10 used WALS data.
- \checkmark Many typologists at ALT 10 have their own typological database.

CLLD – The strategy

Since reuse tends to be the determining factor that keeps resources from vanishing, we want to bridge the gap between data collection and data reuse by $\frac{1}{2} \left(\frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \right) \left(\frac{1}{2} \right$

- ✓ publishing databases thereby incentivizing researchers through recognition;
- $\ensuremath{\checkmark}$ using technology that maximizes exposure of our data in the emerging web of data.

CLLD - The implementation

This twofold strategy is implemented by three service components:

- \checkmark infrastructural: Glottolog a comprehensive language catalog and bibliography,
- ✓ structural: Dictionaria a dictionary journal and CrossGram Journal a journal publishing typological databases,
- Y technological: clld a software platform for implementing linguistic database applications, which will be used to serve standalone database publications like IDS, WOLD, ASJP, WALS, APiCS, eWAVE, valency as well as the journals.

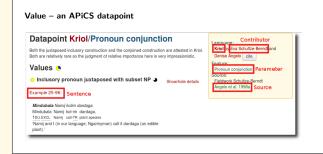
To maximize resuability

- ✓ we provide the data under Open Data Licenses,
- \checkmark and the platform as Open Source software under a free license.

The data model

This implementation plan is realistic, because the underlying data model for the target databases is both reasonably simple and abstract enough to cover many use cases.

The data model comprises the following entities: Dataset, Contribution, Contributor, Language, Parameter, Value, UnitParameter, Unit, Sentence, Source.



Unit caa deer loccek Dictionary Dictionary) Values Source Contribution Ploccek Dictionary Dictionary Values Parameter Values Unit Parameters part of speech roun Unit Parameters

Linked Data

- ✓ defines a unified data access protocol for the web.
- ✓ Well-suited for distributed data providers
- identifiers are URLs which are globally unique,
- RDF and OWL provide the vocabulary to merge resources.
- \checkmark Provides an easy to implement lowest level of service in a graceful degradation scenario





