Converting legacy data to CLDF: A FAIR exit strategy for linguistic web apps

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The Heyday of Linguistic web apps

- Web dev became easier
- Browser-based access promised widest reach
- NSF and other funders were on board
- mid 2000s Linguistic Data goes On-Line!
- WALS Online 2008, etc.

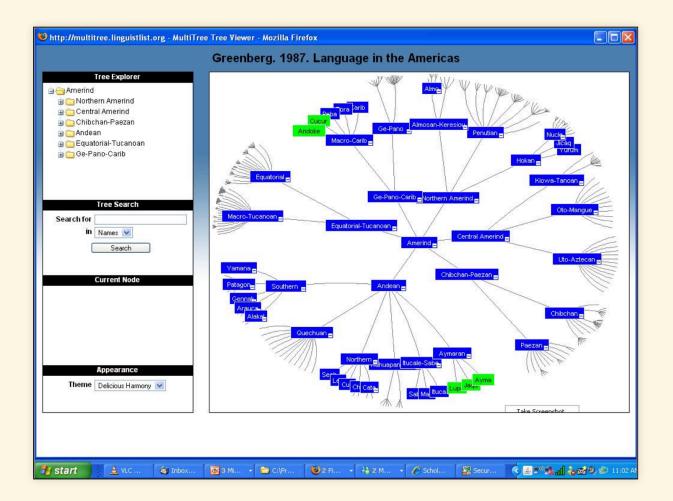
Was that FAIR?

- Findable?
- Accessible? Longterm?

- Interoperable?
- Reusable?

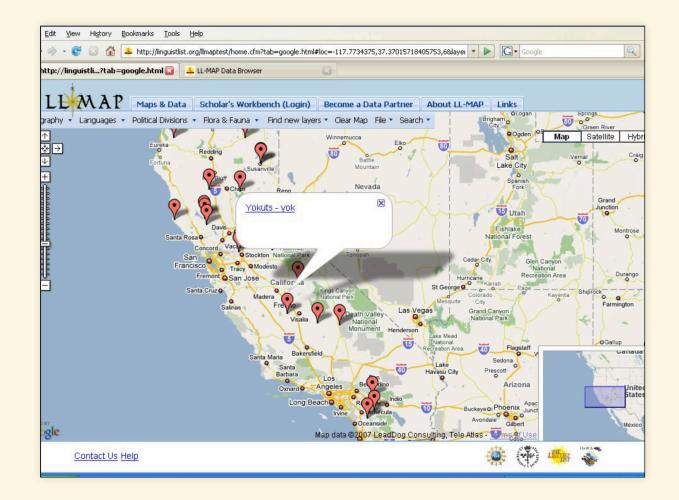
MultiTree

- hypotheses about the genealogical relationships among languages
- web app displayed language trees for the browser
- "raw" data available in custom XML



LL-MAP

- Language and Location: Map Annotation Project
- Geographic information about languages was digitized
- and put in a GIS-enabled web app for exploration



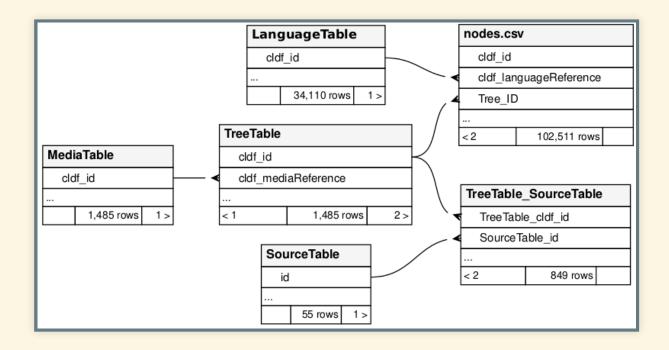
Next Exit: CLDF

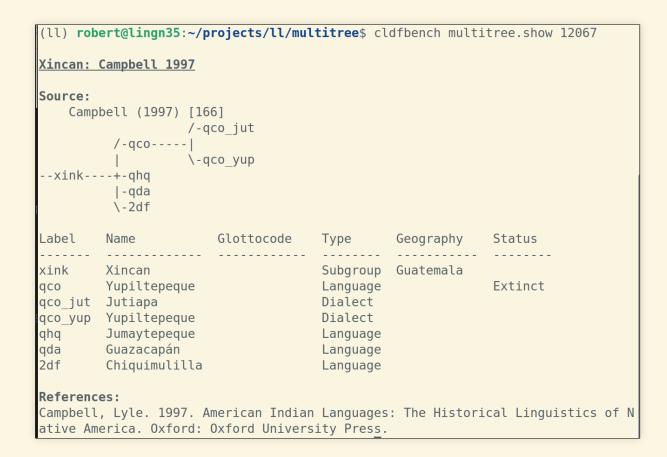
- Model data as inter-related tables.
- Map to CLDF components and properties when appropriate.
- Implmenent conversion as automated pipeline.

Automate with cldfbench

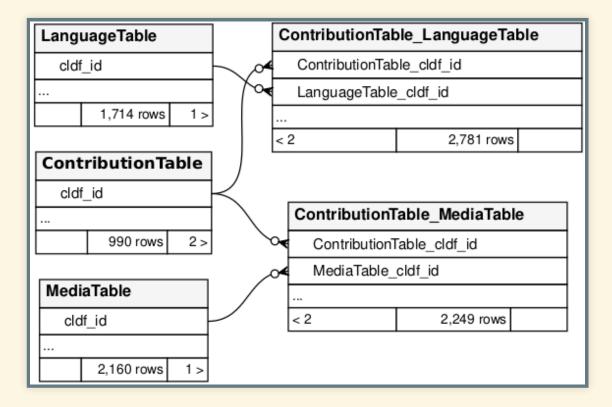
- Legacy data serves as input,
- and is enriched with expert annotations by an editorial team
- and converted to a CLDF dataset including transparent provenance information.

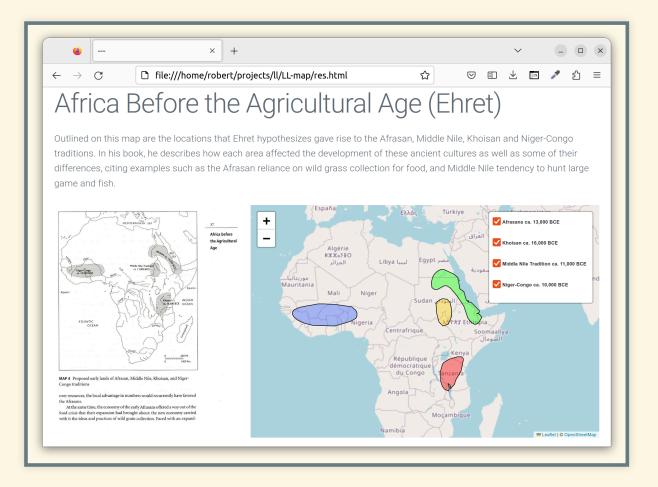
MultiTree as CLDF dataset





LL-MAP as CLDF dataset





Conclusion

We demonstrated that data, formerly only available through - now defunct - web apps, can be

- converted to CLDF and archived
- thereby providing FAIR longterm access
- allowing essential analysis functionality to be rebuild easily