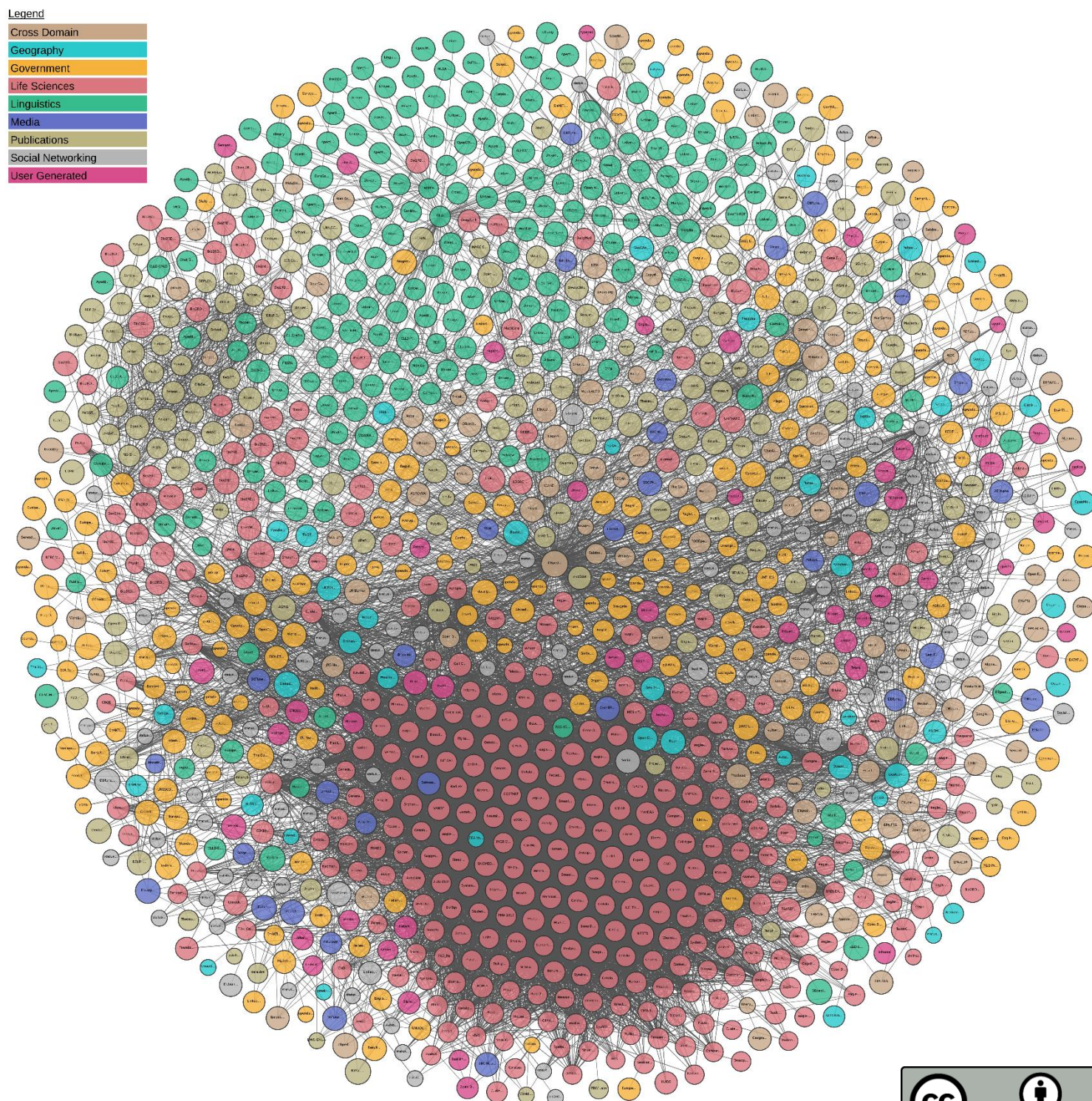




Towards more consistent import of external data sources to Wikidata

Project grant
Wikidata & ETL

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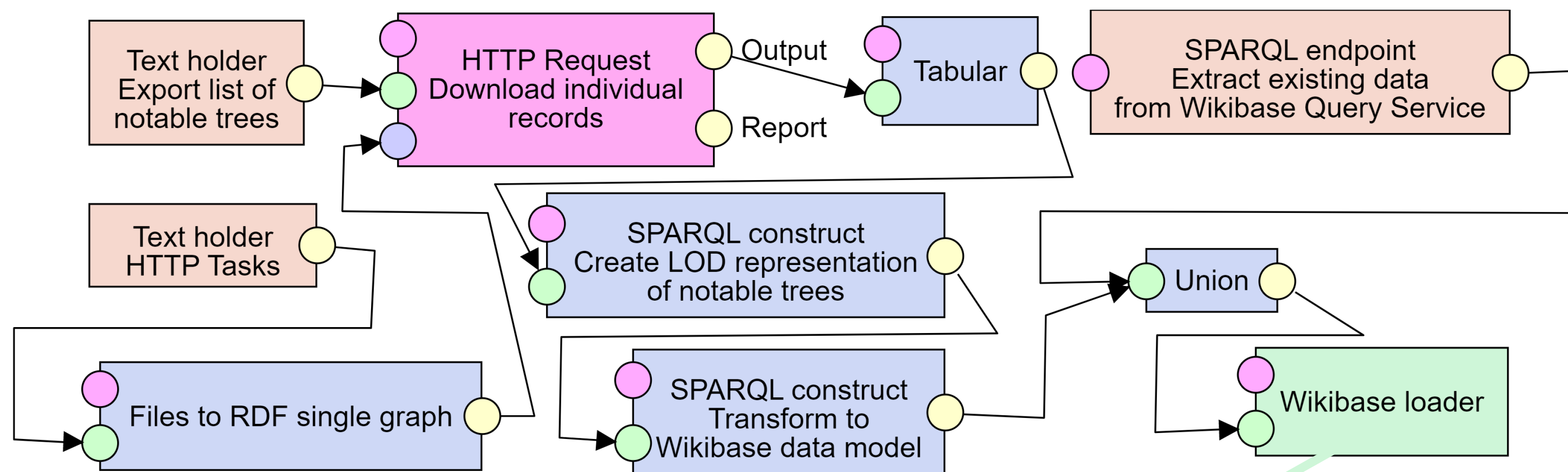
Repeatable
Reusable
Maintainable



Transformations
using RDF in
LinkedPipes ETL



The Linked Open Data Cloud from lod-cloud.net



LinkedPipes ETL

- Open-source tool for repeatable data transformations
- Currently used to publish and consume Linked Open Data
- Transformations stored as JSON-LD => can be shared (or parts of them) e.g. on GitHub

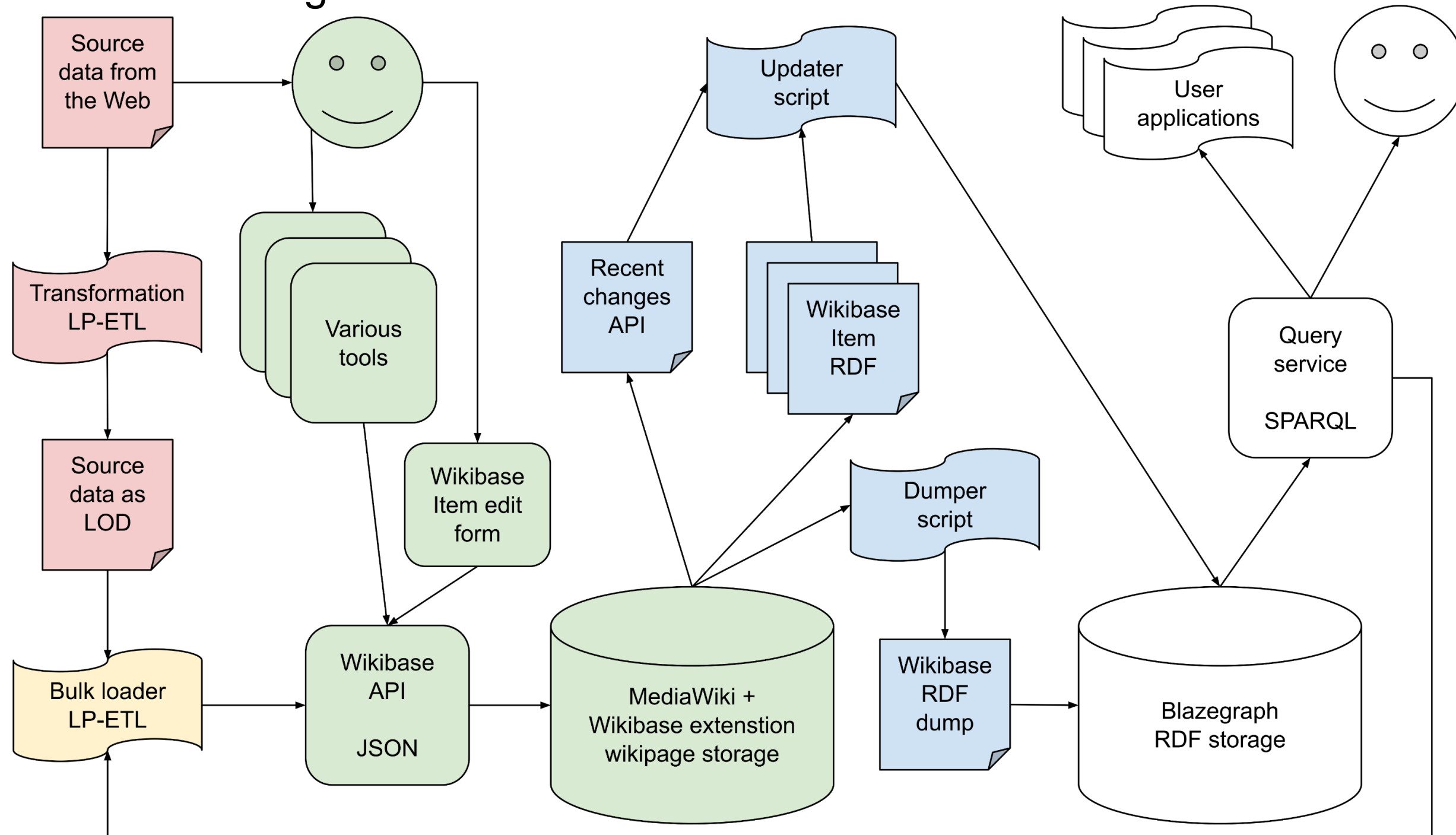
LinkedPipes ETL data transformation pipeline

- 1) data from the web downloaded
- 2) transformed to LOD representation
- 3) transformed to Wikibase RDF dump representation and changes loaded

Wikidata Toolkit wrapped as a component

Current Wikidata imports

- Currently mostly ad-hoc scripts using various libraries
- Not easily maintainable by anyone else but the author
- Wikibase (Wikidata) API not easy to use
- Wikibase dump RDF based, but Wikibase API only JSON based.



Wikibase data flow from import to SPARQL query service



2019 Apr May Jun Jul Aug Sep Oct Nov Dec