**DataConf**

Browse conference metadata from your smartphone

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DataConf is a mobile Web mashup application that aggregates conference metadata. It allows browsing conference publications, publication authors, authors’ organizations, but also authors’ other publications, publications related to the same keywords, conference schedule or resources related to the conference publications.

**DataConf features**

- **Server independence:** server-side contents are static, since all processing is done on client side
- **Community-adopted solutions:** the core DataConf architecture relies on an existing, widely supported JS framework (Backbone.js)
- **Modularity:** SPARQL endpoints, Web services and inference engine are considered as “datasources” and processed by components declared in separate JS objects
- **Configurability:** a simple JSON file is required to initiate a DataConf instance for a particular conference, using existing datasources
- **Extendibility:** Developers can easily add new datasources by creating their own component managers and referring them in the configuration file

DataConf queries and integrates several Linked Data sources such as the SPARQL endpoint that serves the conference dataset, and other endpoints and information services that enrich these data. It performs client-side reasoning about publication keywords and uses advanced Web technologies to access, process and display conference data. DataConf is deployable for any conference with available metadata on the Web.

**DataConf and its ecosystem**

- **Main datasource**
  - SPARQL endpoint serving the conference metadata in the Semantic Web Conference (SWC) ontology format:
  - [http://data.semanticweb.org/ns/swc/ontology](http://data.semanticweb.org/ns/swc/ontology)

- **DBLP (RKBExplorer)**
  - RKBExplorer SPARQL endpoint, to access authors’ other publications in the DBLP database:
  - [http://dblp.rkbexplorer.com/](http://dblp.rkbexplorer.com/)
  - [http://www.informatik.uni-trier.de/~ley/db/](http://www.informatik.uni-trier.de/~ley/db/)

- **DuckDuckGo!**
  - Search engine used to enrich authors and organizations’ information:
  - [https://duckduckgo.com/](https://duckduckgo.com/)

- **Google Web search API**
  - Search engine used to retrieve authors’ homepages:
  - [https://developers.google.com/web-search/](https://developers.google.com/web-search/)

**DataPaper**

Custom datasource that allows publication authors to provide external resources about themselves and their publications. For this, DataPaper stores the LIRIS description texts and format of these resources in a NoSQL database. A backoffice interface for enriching the DataPaper database is available as an unofficial WordPress plugin. Read more about DataPaper at:


**SimpleSchedule**

Custom datasource that allows retrieving all events of a conference dataset and exposing them in a Web service. SimpleSchedule has its own backoffice interface to allow conference chairs managing conference events. Read more about this app at:


**Reasoner**

The reasoner is a “local datasource” that performs client-side reasoning on the conference publication keywords. During their navigation, users construct their own local ontology and enrich it using the OWLReasoner JS engine. It allows retrieving super- and sub-keywords (and thus the publications they refer to) and recommending the user publications they did not yet see and referring to keywords close to those they have already explored.

The inference engine is embedded in a web worker and queried à la JSONP, so that its data can be processed and integrated in the views in the same manner as external datasources. Read more about our reasoner datasource at:


**Links**

- Read more about Dataconf at:
  - [http://liris.cnrs.fr/dataconf/](http://liris.cnrs.fr/dataconf/)
- Try DataConf instances at:
- Access ESWC’2013 instance at:

DataConf participates in the AI mashup challenge 2013. If you like it, vote for us!