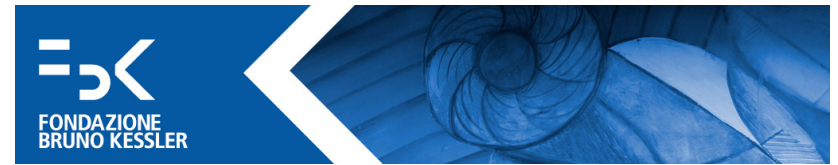




ScraperWiki




A Simple API to the KnowledgeStore

With @IanHopkinson_ and @StevenMaude from ScraperWiki Ltd,
And Marco Rospoche from FBK



ISWC2014 SemDev

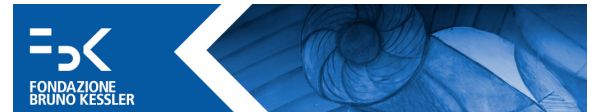
Background / Motivation

-  **NewsReader** : the “History” Recorder
- **KnowledgeStore** : interlinked storage of news and SW content
- **Goals:**
 - ease web developers access to KS SPARQL + CRUD endpoints
 - limit “creativity” in query formulation

Visit the
DEMO!



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Implementation

- Python Flask App
- Modular queries
 - New queries need relatively little code
- Self-documenting
 - Bootstrap CSS to make things look nice
- Testing



Lessons Learned

- Learning SPARQL on toy datasets vs. real datasets
- A URI is not (necessarily) an answer...
- Web developers expect paged results
- SPARQL Query optimization may lead to big performance improvement



In use

- London Hackathon (June 2014)
 - Focused on FIFA World Cup
 - 40 developers
 - 30K queries, 20 queries/s
 - 10 projects



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Pointers

- Simple API

<http://newsreader.scrapewiki.com>

- Simple API code

https://bitbucket.org/scrapewikids/newsreader_api_flask_app



- <http://www.newsreader-project.eu>

- **KnowledgeStore**

<https://knowledgestore.fbk.eu>



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