

University of Oxford  
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# Next Steps for Semantic MediaWiki



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SMWCon 2011 Fall, Berlin



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# Create a Support Organisation [done]

- Open Semantic Data Association (OSDA)
- Funded in March 2011
- Charitable organisation that supports SMW & SMWCon
- Can manage funds and accept donations
- Current steering committee:  
Michael Cariaso, Jeroen De Dauw, Frank Dengler, Daniel Hansch,  
Yaron Koren, Markus Krötzsch, Joel Natividad, Lydia Pintscher,  
Don Undeen, Denny Vrandecic, Jesse Wang

# Wiki of the Month [ongoing]

- Monthly featured semantic wiki  
[http://semantic-mediawiki.org/wiki/Wiki\\_of\\_the\\_Month](http://semantic-mediawiki.org/wiki/Wiki_of_the_Month)
- Inspiration for other users, teaching by example
- Running successfully since Sept 2010
- Maintained by Desiree Gennaro and Yaron Koren

**Applications are welcome!**

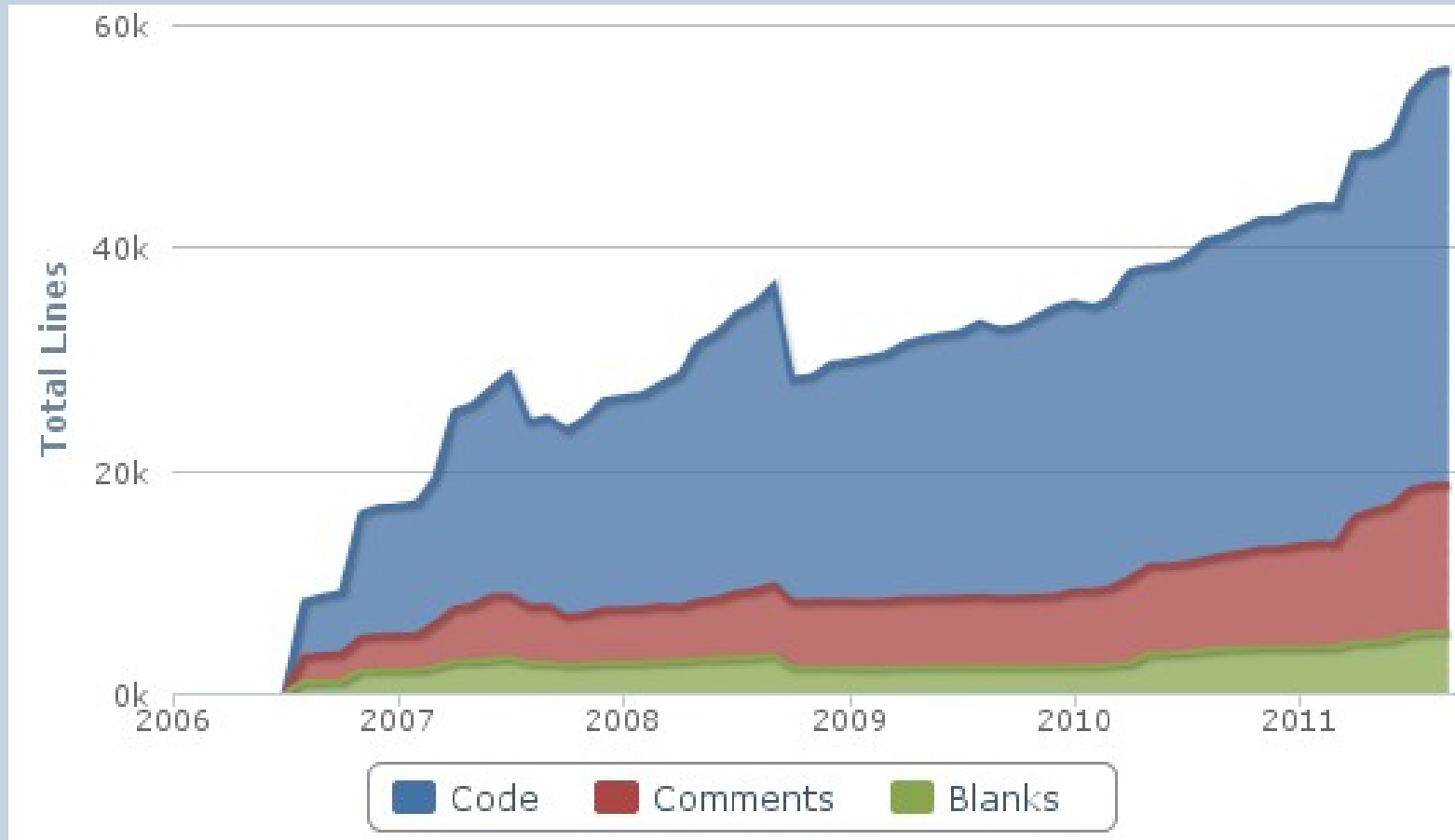
# Improved Communication [ongoing]

- Web site very active in previous year
  - Improved international documentation



- Editor in chief: Karsten Hoffmeyer (kghbln)
- Additional communication channels
  - Mailing lists
  - IRC ([freenode.org#semantic-mediawiki](https://freenode.org/#semantic-mediawiki))
  - Twitter account: SemanticMW
  - LinkedIn group

# Development



<http://www.ohloh.net/p/smw>

# Exploit ResourceLoader [done]

- Faster page loading in MW 1.17
- Backwards compatible access to MW jQuery libraries
- Standard MW sorting tables

# RDF Store Binding [largely done]

- Completed:
  - Mirror data in arbitrary SPARQL 1.1 stores
  - Execute `#ask` through SPARQL
- Open:
  - Some `#ask` features
  - Proper vocabulary mapping
  - SPARQL in and SPARQL out

# Parameter Documentation [largely done]

- Completed:
  - Use Validator to declare/validate parameters
  - Self documenting features, e.g. for #ask formats
- Open:
  - Fully exploit features to simplify code



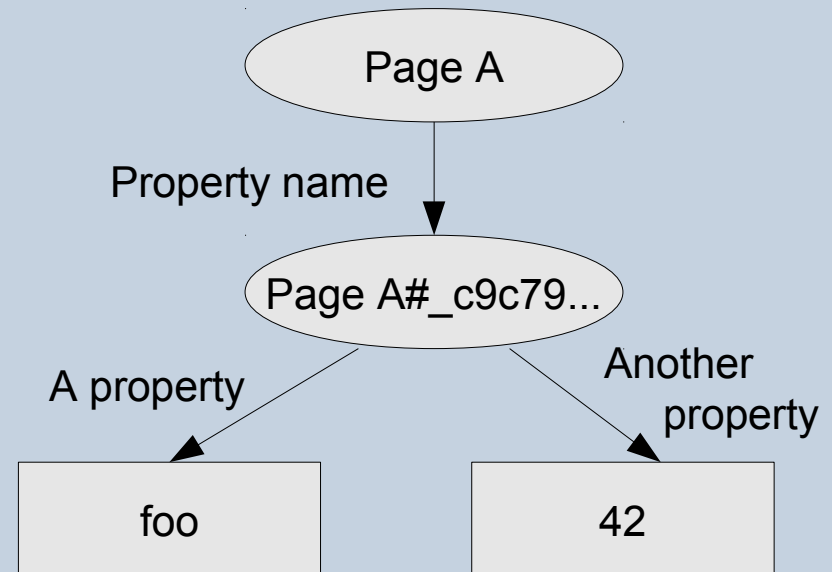
# Ask API [largely done]

- In trunk since a week after user demand
- Still in alpha – feedback wanted
- Example 1
- Example 2

# SMW Subobjects [largely done]

- Moving Semantic Internal Objects into SMW Core
- Syntax (tentative):

```
{{#setobject:Property name  
| A property=foo  
| Another property=42  
}}
```



- Subobjects globally named
  - Can be navigated in Special:Browse, RDF export, ...

# Improving Special:Ask [partly done]

- GSoC project by Devayon Das
- Main changes so far:
  - restructured architecture
  - improved UI for printouts/sorting
  - auto completion
- Prototype available at Special:QueryCreator [demo]
- Various steps planned to complete UI to replace Special:Ask

# Testing? Testing! [partly done]

- Selenium testing in MW: unclear future
- PHPUnit tests needed

# DB Access Performance [todo]

- Don't Write to the Database in Vain!
  - Most edits do not change the semantic data
- Don't Read from the Database in Vain!
  - Use Object Caches properly

# Drop MW 1.15 Support [todo]

# Drop MW 1.16 Support [todo]

# AJAX Result Formatting [todo]

- Support dynamic #ask results listings
- Simplify development/maintenance of result formats
- Based on new SMW MW API functions



# Your Plans, Your Requests [todo]

- Let us know what you are up to ...
- Wishes:
  - Query management
  - ...



**I'm in ur Wikipedia**

**Editing ur articles**