

Semantic Wiki for Research Groups

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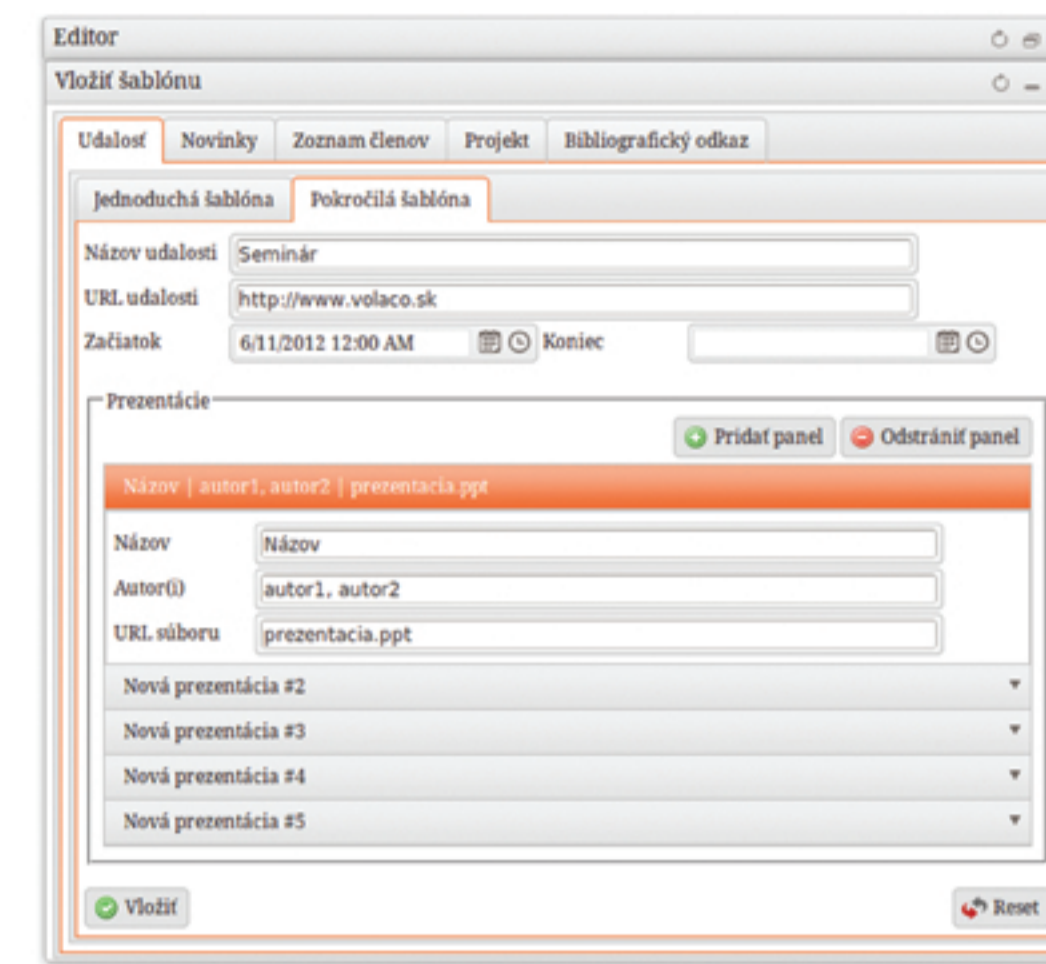
Goals

- existing wiki semantization

Contribution:

- Create semantics along with content
- Form-based and code-based method
- Connection to linked data

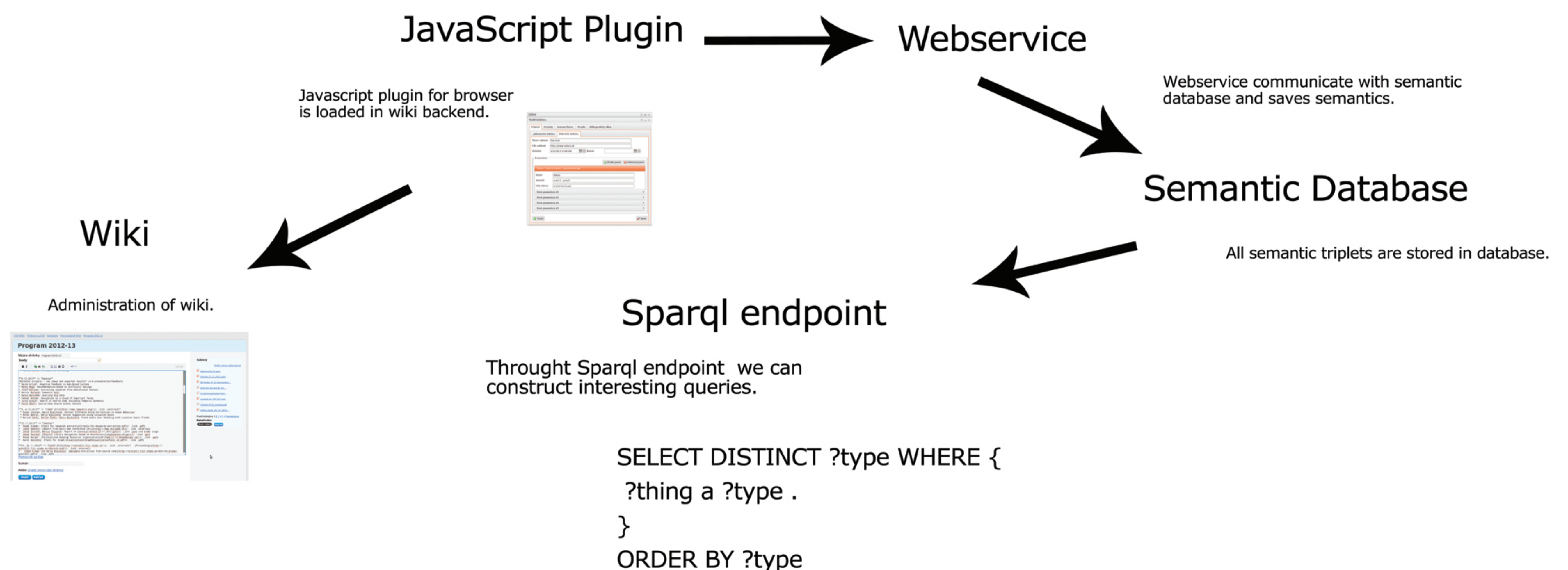
Method



- identify structure of wiki content
- templates to autogenerate semantics
- triplet editor for triplet edition
- dereferenced URIs
- SPARQL endpoint

```
1 **<t id="0">5.4.2013</t>**
2 > * [<t id="1">13th PeWe Ontožúr, Gabčíkovo]
3   (http://wiki.fiit.stuba.sk/research/seminars/pewe/ontoparty-2012-2013-spring</t>)*
4 * <t id="2">Personalized topics</t>*
5 * <t id="3">Sebe</t>*
6 * <t id="4">Food, Discussions,Games, and much more ...</t>*
```

System overview



Use scenario

1. User log into wiki and start semantic extension.
2. He want to create new block of text - he use our template editor.
3. Semantics is auto-generated and triplets are stored in semantic database. User can modify triplets or create new triplets via triplet editor.

Thanks to semantics in database, we can construct interesting queries via Sparql endpoint, for example "Who is the oldest PeWe member" or "Which member has presented the most times?".

Technology

- Ruby on Rails
- AngularJS, jQuery
- Sesame
- Linked Data

