Supporting tools for a diversified Wikipedia

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Angelika Adam (WMDE)
Fabian Flöck (KIT)

The RENDER Project - Motivation

- WWW offers the possibility to publish, to share and to retrieve huge amounts of information
- large number of viewpoints, opinions, and background information
- increasing number of filtering mechanisms to pre-process the available data according to personalized preferences or settings
- difficult to get an all-embracing overview of a topic

→ information is inaccessible or it is a time consuming process

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RENDER Reflecting Knowledge Diversity

The RENDER Project - Goals

- Develop methods, techniques, software and data sets which enable users to understand, to describe, to process and to make use the diversity of knowledge and information

- To verify the scalability and use of the research, results will be applied in three case studies

→ WMDE is one of these use case partners

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The RENDER Project- Partners

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Diversity in Wikipedia

WP articles are usually written by multiple editors, who may be biased towards a certain point of view

→ necessary that either editors can transcend their personal point of view, or that a multitude of editors covers the significant points of view

Diversity is a necessity for high-quality Wikipedia articles!

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Diversity aspects for Wikipedia

The most important aspects of diversity:

- Neutrality
- Fact coverage
- Timeliness

Besides these parameters RENDER takes editor behaviour and interaction (KIT) into account.

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Wikipedia Use Case - Goals

- Supporting Wikipedia editors in maintaining and improving the site, and to support readers in understanding the quality and biases of a given article.
- Tools and extensions to support editors in the management, understanding, and decision-making about complex and heated controversies on Wikipedia.
- We want Wikipedia to offer high quality articles on both highly visible and as well as on more obscure topics.

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Wikipedia Use Case Scenarios

Main Goal: Improvement of the quality, the value and the trustworthiness of Wikipedia by supporting Wikipedia users (readers and editors)

- **Display warnings** to the reader when detecting bias
- Notify authors that an article **needs to be updated**
- **Lower the barrier** for readers to extend and/or correct articles
- Provide the analysis results for researchers

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Supporting Tools

Tools to support readers/ editors/ administrators:

- **Article Statistics and Quality Monitor** (ASQM): support in particular readers

- **Task List Generator**: editors concerning problems of the content

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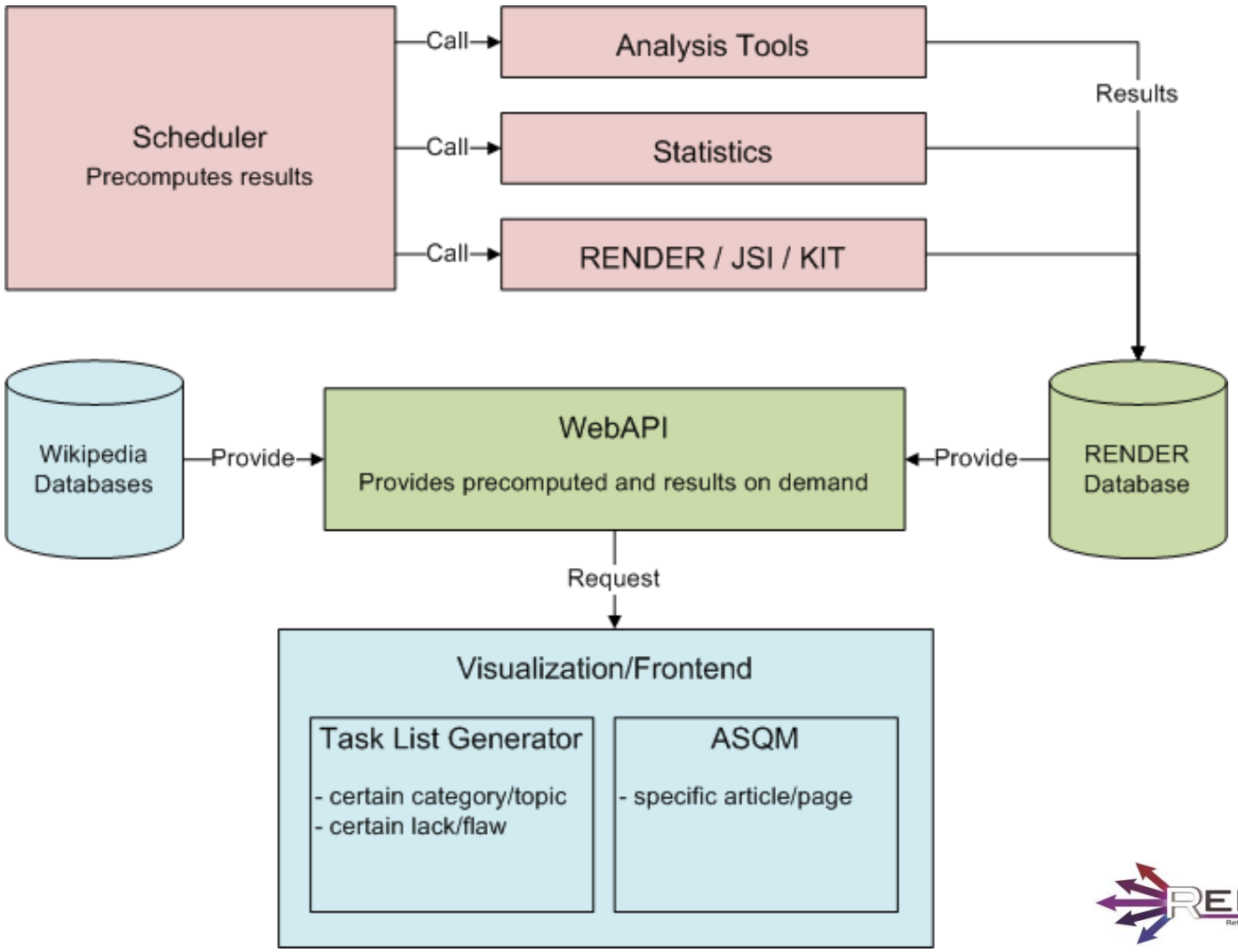
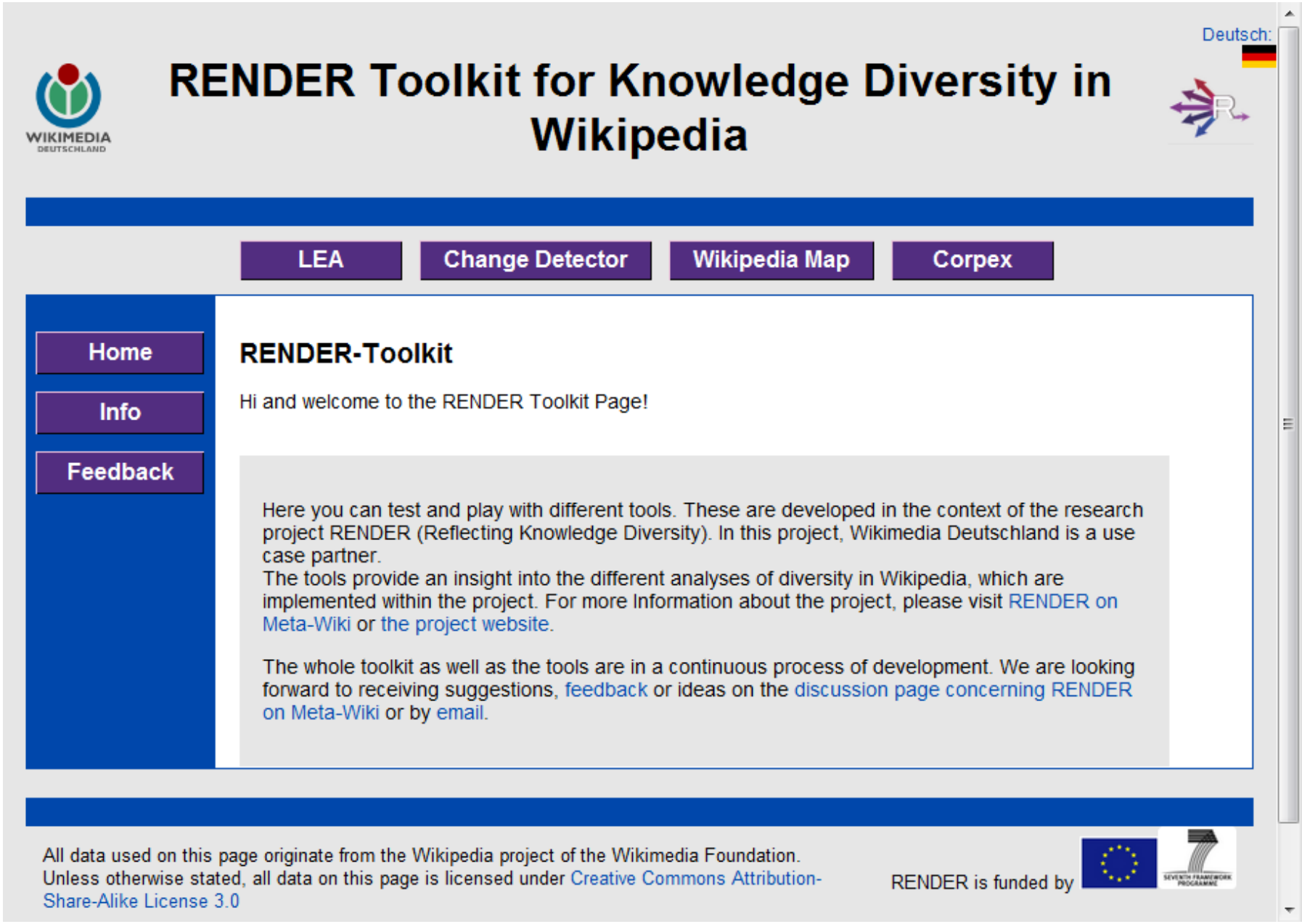
Supporting Tools - Architecture

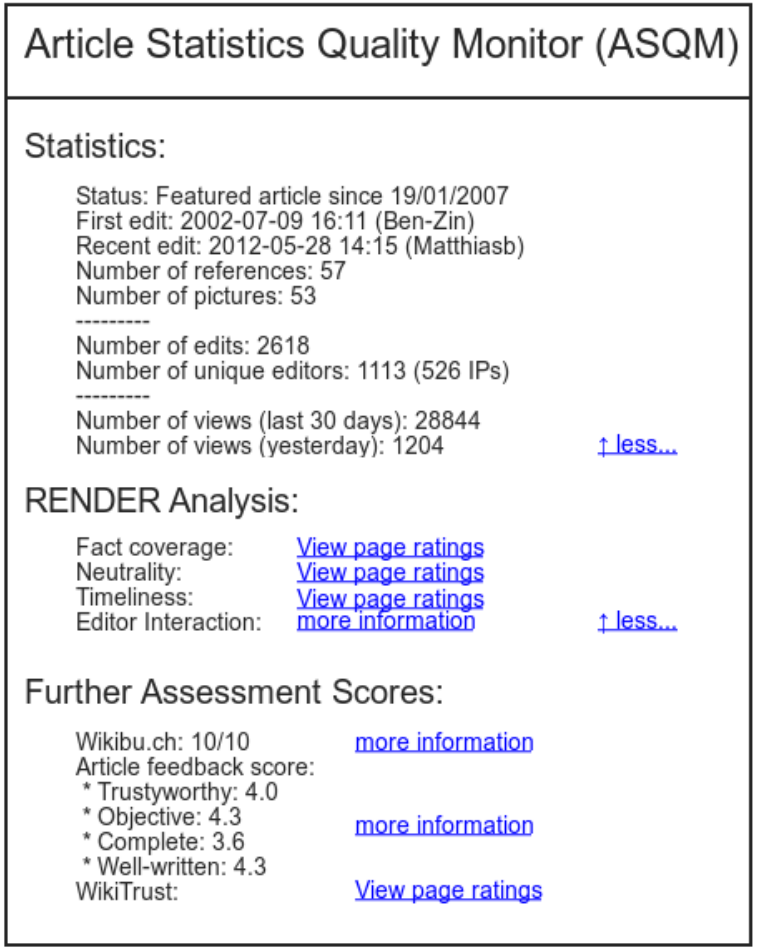




http://toolserver.org/~RENDER/toolkit/

Article Statistics Quality Monitor

- Statistics and quality/ diversity measures for a certain article
- Modular architecture to extend with further analysis tools and/or available scores
- By providing these information the user/reader can understand the collaborative editing process, detect lacks in an article and gets the information to cure these problems
- Intended to turn readers into authors



http://de.wikipedia.org/wiki/Potsdam

Article Statistics and Quality Monitor

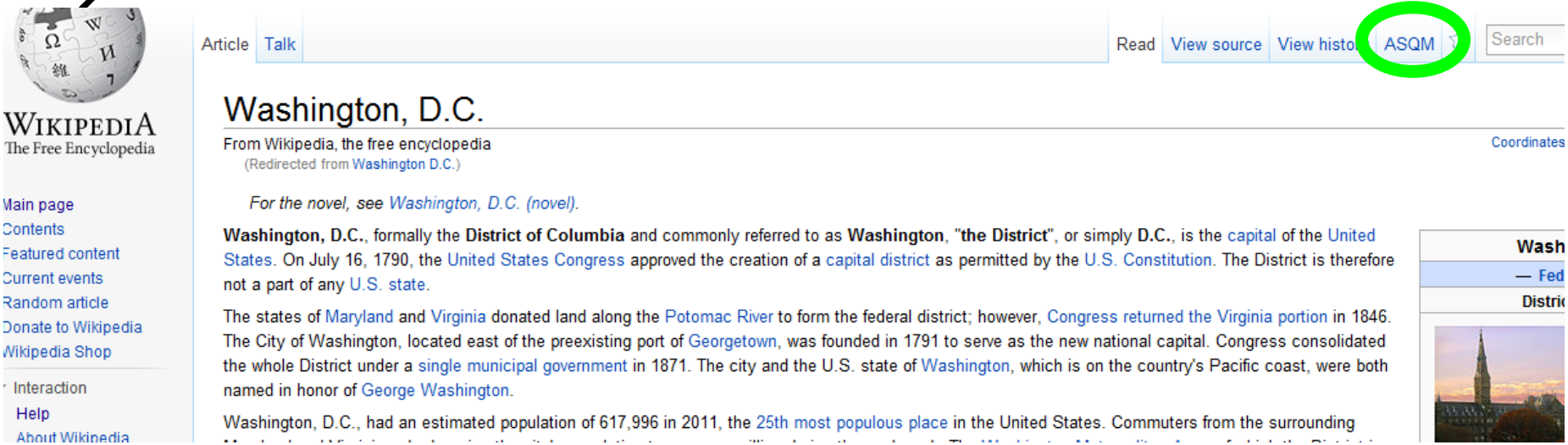
Challenge: Where and how to include?

Currently: Inclusion as gadget

BUT: Readers are not aware of edit or history view buttons

What about anonymous users?

→



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Article Statistics and Quality Monitor

Demo (inclusion as gadget, not published yet):

http://en.wikipedia.org/wiki/Washington_D.C.

Task List Generator

- User can choose one specific topic, a preferred category or the intersection of categories
- User can select a specific lack she wants to cure e.g. all articles with a neutrality problem

Task List Generator

How to provide this service?

- Request form
  - results via e-mail
  - results on the user page or on QA-pages of WikiProjects

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Get in touch with us!

render@wikimedia.de

- Are you an **editor**? Which features could support you and your work?
- Are you a **developer** and your tool is about information diversity?
- Would you like to **test** our tools?
- Do you know of **additional research or tools** that are relevant for the project?

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Questions? Suggestions? Notes?

Visit us:

At the Wikimedia Deutschland booth in the Continental Ballroom

Contact us:

angelika.adam@wikimedia.de

render@wikimedia.de

Get more Information:

https://meta.wikimedia.org/wiki/RENDER

http://toolserver.org/~RENDER/toolkit/

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