Body:

Motivation

For controversially discussed topics such as "global warming" the content available in the Web reflects the variety of positions. However, it is difficult to get a structured diversity overview, due to the way content is ranked by current search technology (mainly based on popularity), and due to content, which is partly strongly biased without making the underlying intention explicit.

If users get a good overview over existing opinions, and are supported in discovering bias and analysing the underlying diversity (driven by differences in cultural backgrounds, schools of thoughts, temporal context etc.), this clearly helps them in building an own opinion in a well-informed way and in reflecting and contextualizing own positions. It is the goal of the LivingKnowledge project to explore and build technology that serves this purpose. LivingKnowledge aims to make diversity a real and tangible asset of the Web.

Challenges & First Steps

For achieving its goal, demanding research and technology development is required. Challenges have to be faced in the area of fact and opinion extraction; opinion-based and evolution-aware information clustering and aggregation. End users play a key role and innovative search technology which leverages bias, diversity and evolution and makes them tangible to the user is necessary. Furthermore, a thorough understanding of diversity and its impact is required as a sound foundation for the methods developed in the project. For establishing this foundation an interdisciplinary team of researchers will contribute.

Applications

The main focus of the LivingKnowledge project will be on foundational research and the establishment of a related research community. As part of this activity a test bed will be created, which fosters the experimentation of the developed methods within and beyond the consortium. Furthermore, it is planned to develop two exemplary applications, which showcase the LivingKnowledge technology. One of these applications will be coupled with Yahoo! Search technology and will explore future predictions in Web content.

Project abstract:

The LivingKnowledge project will develop innovative technology for bias-aware, diversity-aware and evolution-aware information management and access. The resulting search technology is expected to provide the user with a high-level overview on the variety of opinions on a topic with the option for stepwise refinement and for learning about the underlying diversity and the temporal dimension.

Project duration: 01.02.2009 - 31.01.2012

Bibsonomy show project publications: 0
Bibsonomy use tabs to list publications: 0

Members:
Project manager:  
Dr. Stefan Siersdorfer

Project research areas:

Web Search

Project type:  
Intelligent Access to Information

URL:  
http://livingknowledge-project.eu/

Research Area:  
Intelligent Access to Information

Status of the Project: