Welcome to our second Newsletter

We have already entered the second year of our project. First development outcomes are now available. The first prototype of the MOVING platform, based on the first set of user requirements, was demonstrated during the first review and will soon become publicly available. The development of other software components for video analysis, scientific figures search and hypothesis testing for web interaction patterns has progressed, and a number of scientific publications detailing the results were produced. Several scientific and industrial events have also been organised. Overall, in the first year the project progressed according to the plan, and all milestones defined were achieved. The MOVING consortium is now in place to culminate its efforts and successfully deliver its main results during its second year.

User requirements were structured and their implementation has started

The output of the user requirements analysis (Deliverable D1.1: User requirements and specification of the use cases) consists of initial requirements concerning the following topics: search field, search list, faceted search, visualisations, document search and analysis, video search and analysis, adaptive training support, community, user management and accessibility. Furthermore, the user requirements are complemented by the development and continuous testing of the platform mock-ups. The analysis was performed following a mixed methods approach for Use Case 1 on training public administrators, as well as for Use Case 2 on training young researchers. The approach included interviews with junior and senior professionals, brainstorming sessions, competitors analysis and analysis of international standards for the extraction of user requirements. Moreover, it included literature reviews, semi-structured interviews and a qualitative content analysis for the identification of requirements. Almost 150 in total, the requirements are well structured and their implementation has already started. In the following year we will continue the implementation on the platform and update the requirements list according to collected feedback and analyses results from focus groups.
SciFis tool

SciFis is a search engine tool for scientific figures based on extracted text. Scientific figures such as bar charts, pie charts, maps, scatter plots, or similar infographics often include valuable textual information, which is not present in the surrounding text. The SciFis tool allows searching in such infographics in open access publications (such as journals, working papers and conferences in business studies and economics) and thus offers new ways in accessing them. You can visit SciFis at http://broca.informatik.uni-kiel.de:20080/.

WevQuery — A scalable system for testing hypotheses about web interaction patterns

The WevQuery is a scalable system for testing hypotheses about web interaction patterns. Remotely stored user interaction logs give access to a wealth of data generated by large numbers of users which can be used to understand if interactive systems meet the expectations of designers. Unfortunately, detailed insight into users’ interaction behaviour still requires a high degree of expertise. WevQuery allows designers to test their hypotheses about users’ behaviour by using a graphical notation to define the interaction patterns they are seeking. WevQuery is scalable as the queries can then be executed against large user interaction datasets by employing the MapReduce paradigm. This way WevQuery provides designers effortless access to harvest users’ interaction patterns, removing the burden of low-level interaction data analysis. You can find more information regarding the system and download it under: https://github.com/aapaolaza/WevQuery.
Communication and dissemination activities

Dr. Ansgar Scherp is a “Rising star” at ACM Multimedia 2016

The ACM SIGMM Rising Stars Symposium honours selected SIGMM members’ research and contribution to the community. Among six selected rising SIGMM members, Dr. Ansgar Scherp from ZBW presented his research work, including the MOVING project, in his presentation entitled “About multimedia presentation generation and multimedia metadata: From synthesis to analysis and back?”. The SIGMM Rising Stars Symposium took place in October during the 24th ACM Multimedia Conference in Amsterdam, Netherlands. For more details please visit: http://www.acmmm.org/2016/?page_id=706

“Learning How to Search” widget

The “Learning How to Search” widget is now part of the MOVING platform. The widget helps the user to get familiar with the platform and all its features. The latest version of MOVING integrates the first prototype of the widget in its user interface. It gives a graphical feedback about the user’s feature usage and provides guidance to explore more about the platform, for example features the user has not tried so far.

Initial prototype of the MOVING platform at the first project review

The first review of the project was successfully completed in May 2017. The meeting was held in Kiel and was hosted by ZBW on the 31st of May 2017. Among the first year deliverables, the demonstrations and the overall project progress that were presented, the consortium successfully presented the initial prototype of the MOVING platform that will soon become available to the public.
The MOVING project, with special emphasis on its research results in video analysis and their application to training, where demonstrated at the 2017 ITI open day, which took place on May 16th in Thessaloniki, Greece. The MOVING lecture video analysis demo was shown to more than 200 visitors, including university students and faculty members from various disciplines, business representatives, and the general public.

MOoving demonstration at the ITI’s open door day

Joint research collaboration for ALIGNED and MOVING

The EU H2020 projects ALIGNED (http://aligned-project.eu/) and MOVING have established a joint collaboration on the exchange of knowledge and datasets for text and data mining. The goal is to gain improved representation models and understanding of textual content used in the two projects. The consortium partner Wolters Kluwer Germany of ALIGNED brings in its strong expertise in information services and knowledge about the representation and processing of datasets in the legal, business and tax sectors domains. In MOVING, the Knowledge Discovery group of the consortium partner ZBW -- Leibniz-Information Centre for Economics is involved. The group develops in MOVING advanced tools and methods for the processing and improved understanding of textual data.

MOoving organises a special dissemination event at the 2nd World OER Congress

MOVING organises a special dissemination event within the upcoming 2nd World Open Educational Resources Congress in Ljubljana, Slovenia in 18-20 September 2017: a special one-day showcase session titled “Technologies for OER and Open Education”, which aims to improve the innovative capacity of the European society (information literacy, information management and knowledge management). This event follows the Digital Agenda for Europe, stating “Member States to mainstream eLearning in national policies for the modernisation of education and training, including in curricula, assessment of learning outcomes and the professional development of teachers and trainers”. It will allow actors currently involved in open education, knowledge management and information management projects in Europe to present the results of their work to people from all societal sectors (companies, universities, public administration) who can benefit from a fundamental improvement of their information literacy. As information literacy itself is emerging as a distinct skill set and a necessary key to one’s social and economic well-being in an increasingly complex information society, it is also important in the contemporary environment of rapid technological change and proliferating information resources, to give it the place it demands in education, specifically open education. A detailed program for this MOVING event will be announced soon.
The MOVING consortium participated in a variety of national and international conferences and workshops.

**Brief news: recent and upcoming events**

- ZBW organised a workshop for economists, on “Text and Data Mining (TDM) in economics”, and presented MOVING to researchers from several economics research institutions. The workshop was held at the ZBW premises in Hamburg on 25 Nov. 2016.

- Two MOVING works, on automated text extraction from scholarly figures and on video search, were presented at the 23rd Int. Conference on Multimedia Modeling (MMM), in Jan. 2017.

- An overview presentation on content recommendation and its applications to incremental learning was given at the 113th Int. Conf. on Artificial Intelligence and Soft Computing (ICAISC), in Jan. 2017.

- MOVING was presented in the ScaDS retreat, held at Laubusch, Germany in Jan. 2017.

- A presentation of the MOVING platform capabilities was given at the Final IESI Conference on 'ICT-Enabled Social Innovation to support the implementation of the EU Social Investment Package', in Brussels, Belgium at the Committee of the EC Regions, in March 2017.

- MOVING’s work on adaptive and reflective training support for improving search behaviour in Industry 4.0 was presented at the 9th Conf. on Professional Knowledge Management, in April 2017.

- Two MOVING video analysis papers and a demo paper were presented at the ACM Int. Conf. on Multimedia Retrieval (ICMR 2017), and a paper on machine learning for video analysis was presented at the 12th IEEE Int. Conf. on Automatic Face and Gesture Recognition (FG), both held in June 2017.

- A presentation on WevQuery: a scalable system for testing hypotheses about web interaction patterns was given at the 9th ACM SIGCHI Symp. on Engineering Interactive Computing Systems, in June 2017.

- MOVING technology and use cases were presented by Prof. Dr. Köhler and discussed in the Workshop “Democracy 4.0 - opportunity or risk? Media change and participation in local politics”, held in June (on the open city hall day) in Dresden with the participation of local politicians, researchers and about 50 citizens, and in an invited lecture titled “Moving Science toward 2.0?” delivered at the Leibniz Institute for Psychology Information (ZPID) in Trier at the end of June.

Find out more details about these and other events where MOVING was present at: [http://moving-project.eu/index.php/category/news/](http://moving-project.eu/index.php/category/news/)
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