



Deliverable 5.5: Dissemination and communication plan and activities - third report

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prOfessionals to enable open leadership INnovation**

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Executive Summary

The present deliverable describes the dissemination and communication activities that were carried out during the last year of the project as well as the planned dissemination and communication activities beyond the end of the project. It consists of five sections. The first section introduces the deliverable and contains the history, the purpose and a brief description of the structure of the document. The second section briefly reports the dissemination and communication strategy overview that had been already described in the previous deliverable “D5.3: Dissemination and communication plan and activities - second report”. The third section reports the dissemination and communication actions that were taken in the third year of the project. The fourth section presents the actions for the dissemination and communication activities beyond the end of the project lifetime. And finally, the last section closes with a short summary and conclusion on dissemination and communication activities.

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Abbreviations

Abbreviation	Explanation
AFEL	Analytics for Everyday Learning Workshop
BIR 2019	International Workshop on Bibliometric-enhanced Information Retrieval 2019
CIKM 2018	International Conference on Information and Knowledge Management 2018
DMP	Data Management Plan
DG JRC	DG Joint Research Centre
EC-TEL 2018	European Conference on Technology Enhanced Learning 2018
EMEIA	Europe, Middle East, India & Africa
ESWC 2018	Extended Semantic Web Conference 2018
GA	Grant Agreement
FLuID	Formal schema-Level Index model for the web of Data
FTA 2018	Future oriented-technology analysis 2018
GeNeMe 2018	Gemeinschaften in NEuen MEdien (Communities in New Media) 2018
GSA	Germany, Switzerland and Austria
ICADL 2018	International Conference on Asia-Pacific Digital Libraries
IceLeT 2019	International Conference on e-Learning and e-Teaching 2019
ICDM 2018	IEEE International Conference on Data Mining
ICT	International Conference on Telecommunication
ICWE	International Conference on Web Engineering

Abbreviation	Explanation
JCDL 2018	ACM/IEEE Joint Conference on Digital Libraries 2018
L@S 2018	ACM Conference on Learning at Scale 2018
LWDA 2018	Learning, Knowledge, Data, Analytics Conference 2018
MMM 2019	International Conference on MultiMedia Modeling
MOOC	Massive Open Online Course
OEB 2018	Online Educa Berlin 2018
OER	Open Educational Resources
RecSys 2018	ACM Conference on Recommender Systems 2018
SLUB	Saxon State and University Library Dresden
TEL	Technology-Enhanced Learning
TIR 2018	International Workshop on Technologies for Information Retrieval 2018
TRECVID	TREC Video Retrieval Evaluation
TU Graz	Graz University of Technology
UiB	University of Bergen
UMAP 2018	User Modeling, Adaptation and Personalization 2018
UNESCO	United Nations Educational, Scientific and Cultural Organization

1 Introduction

1.1 History of the document

Table 1: History of the document.

Date	Version
15/02/2019	v0.1: ToC and early description of the content
22/02/2019	v0.2: Ready ToC review
19/03/2019	v0.3: Complete draft is sent to QA
26/03/2019	v0.4: Ready QA review
28/03/2019	v0.5: Document uploaded to the wiki for last checks
29/03/2019	v1.0: Final document submitted to EC

1.2 Purpose of the document

The purpose of the present document is to report the dissemination and communication activities that were carried out during the last year of the project and to present their continuation even beyond the end of it. The overall objective of the dissemination and communication activities was to continue reaching the specified MOVING target groups that were described explicitly in the previous deliverables “D2.4: Open innovation systems state-of-the-art and beyond” and “D5.3: Dissemination and communication plan and activities - second report”, and mentioned briefly in Section 2 of the present deliverable.

1.3 Structure of the document

The present document is structured in five sections. More specifically, the first section briefly outlines the structure and the purpose of the present deliverable. The second section recalls the dissemination and communication strategy that the MOVING consortium is following. The third section reports the dissemination and communication actions that were taken in the last year of the project. The fourth section presents the continuation of the dissemination and communication activities beyond the end of the project. And finally, the last section closes with a summary and conclusion on the overall dissemination and communication activities of the project.

2 Dissemination and communication strategy overview

In this section we briefly present the MOVING dissemination and communication strategy (Figure 1) and the relations between the instruments and the MOVING target groups (Table 2) as were already described and identified. In “D2.4: Open innovation systems state-of-the-art and beyond” and “D5.3: Dissemination and communication plan and activities - second report” we identified all the effective and efficient communication, dissemination and exploitation instruments that will help in reaching the MOVING target groups during and after the project’s lifetime. More specifically, we organised the dissemination and communication instruments into the following five categories: a) communication-only activities, b) communication and dissemination activities, c) dissemination-only activities, d) activities that lie at the intersection of dissemination and exploitation, and e) exploitation activities. Furthermore, we identified the MOVING target users that would be made aware of the project and its results. The target users include the general public, the scientific community, the policy makers and the industry/innovators.

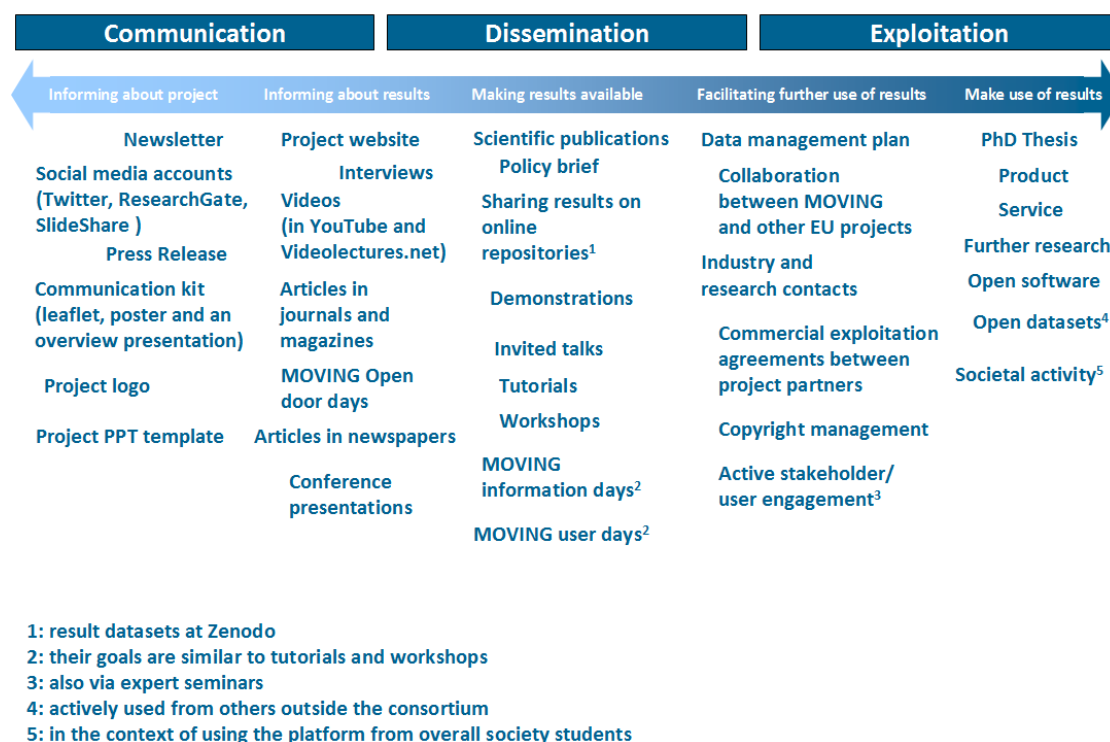


Figure 1: The MOVING dissemination and communication strategy.

Table 2: Relations between instruments and target groups.

Communities Instruments	General public	Scientific community	Policy makers	Industry/ Innovators
Newsletter	x	x	x	x

Communities Instruments	General public	Scientific community	Policy makers	Industry/ Innovators
Press release	x	x	x	x
Social media accounts (Twitter, ResearchGate, SlideShare)	x	x	x	x
Communication kit (leaflet, poster and an overview presentation)	x	x	x	x
Project logo	x	x	x	x
Project PPT template	x	x	x	x
Project website	x	x	x	x
Videos (in YouTube and Videlectures.net)	x	x	x	x
Interviews	x	x	x	x
Articles in journals and magazines	x	x	x	x
Articles in newspapers	x	x	x	x
MOVING Open door days	x	x	x	x
Conference presentations		x	x	x
Scientific publication		x		x
Policy brief			x	x
Tutorials		x		

Communities Instruments	General public	Scientific community	Policy makers	Industry/ Innovators
Invited talks		x		
Workshops		x	x	x
Demonstrations	x	x	x	x
Sharing results on online repositories	x	x	x	x
MOVING information days (including organised workshops)	x	x		
MOVING user days (including organised periodic seminars and user workshops)		x	x	x
Data management plan		x	x	x
Collaboration between MOVING and other EU projects		x	x	x
Industry and research contacts		x	x	x
Commercial exploitation agreements between project partners		x	x	x
Copyright management		x	x	x
Active stakeholders/user engagement		x	x	x

Communities Instruments	General public	Scientific community	Policy makers	Industry/ Innovators
PhD Thesis		x		x
Product				x
Service				x
Further research		x		x
Open software		x		x
Open datasets		x		x
Societal activity	x			x

3 Dissemination and communication activities report

The present section reports the dissemination and communication activities of the last project's year, organised according to the strategy presented in the previous section. More specifically, we first (Section 3.1) introduce the updated communication-only activities. These activities include the updated leaflet, poster and presentation of the project, the status of the project's social media presence and the updated report regarding the new press releases of the project. Then we present a detailed updated report regarding the status of the activities that lie at the intersection of communication and dissemination. In this section (Section 3.2) we report updates on the content of the website, YouTube and Videolectures.net channels, open door days, conference and events presentations (these again as already reported in deliverable D5.3 include MOVING dissemination activities in conferences where the consortium partners did not have a scientific publication included in the proceedings, or presentations of MOVING at events that do not strictly focus on the scientific community, etc.). In the next section (Section 3.3) we report the updated dissemination-only activities. Specifically, we report about the updated status of the MOVING information and user days, the demonstrations, the scientific publications, workshops, tutorials and invited talks, the sharing of research results on online repositories, and the MOVING policy brief. As already mentioned in deliverable D5.3 some of the dissemination activities reported in this section, such as the participation and presentation of results in scientific events, serve a dual purpose: both disseminating the project's results, and supporting the project's community building. Finally, in Section 3.4 we report on the updated activities that lie at the intersection of dissemination and exploitation. Specifically, in this section we briefly present the updated status of the collaboration between MOVING and other EU projects, MOVING's industry and research contacts, and the final updates of the data management plan.

3.1 Communication-only activities

3.1.1 Updated communication kit

To outline the overall concept, and to capture all the major functionalities of the complete MOVING platform, an updated leaflet was created in this last year, including also updated screenshots of the final MOVING platform. The leaflet, which was produced and designed by CERTH and JSI, follows the same structure and design as the previous version, with contributions of the same experienced graphics designer.

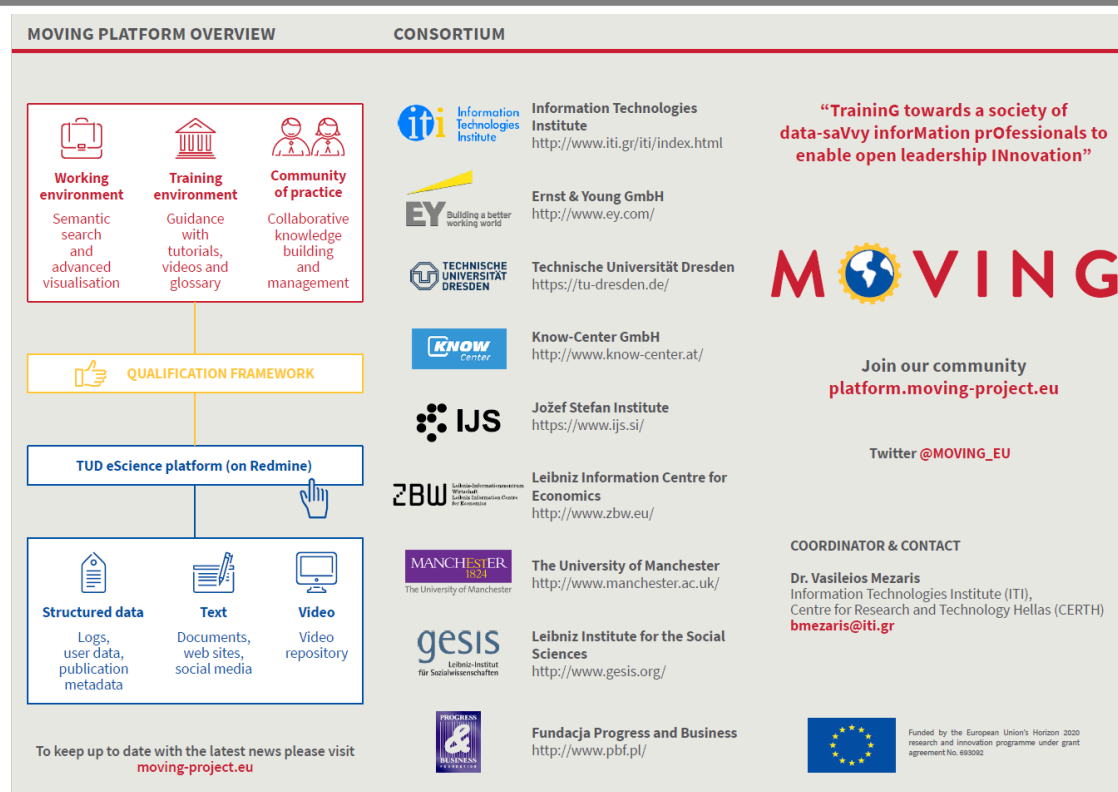


Figure 2 and Figure 3 show the outside and inside views of the tri-fold updated leaflet, respectively. Furthermore, the updated poster and project overview presentation were created and are publicly available online (uploaded to the project website under the “MOVING communication kit” webpage) along with the updated leaflet.

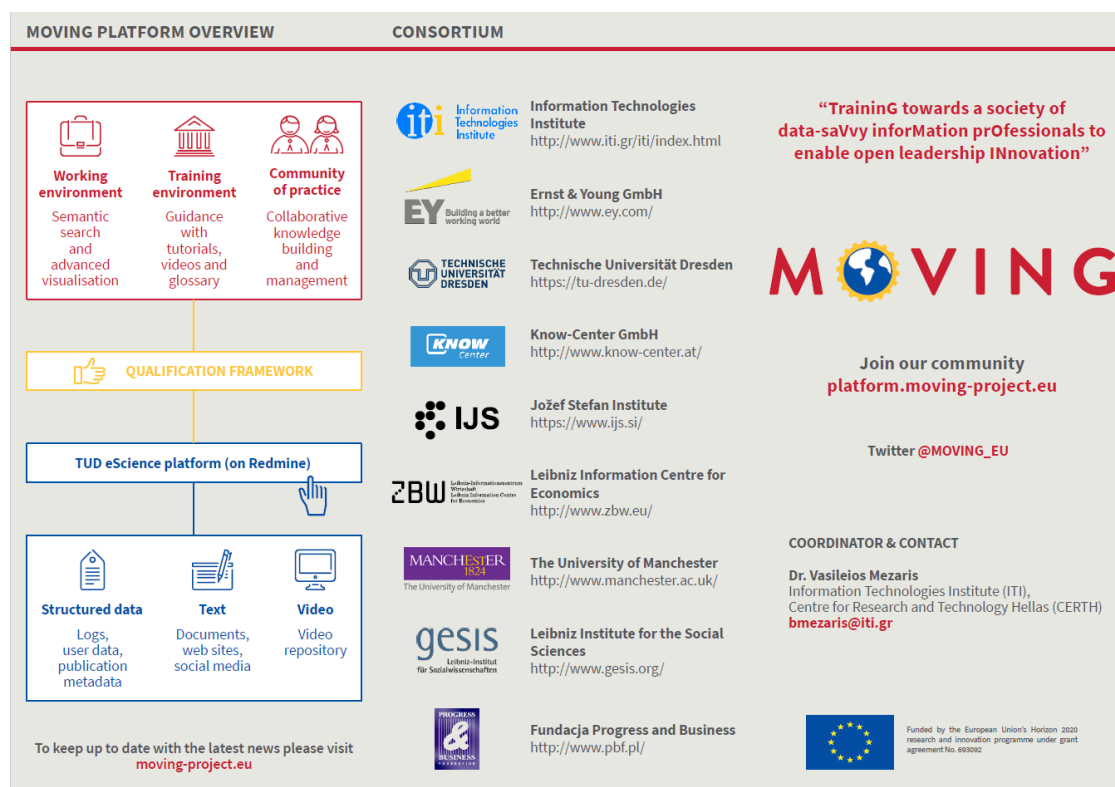


Figure 2: The updated MOVING leaflet (outside page).

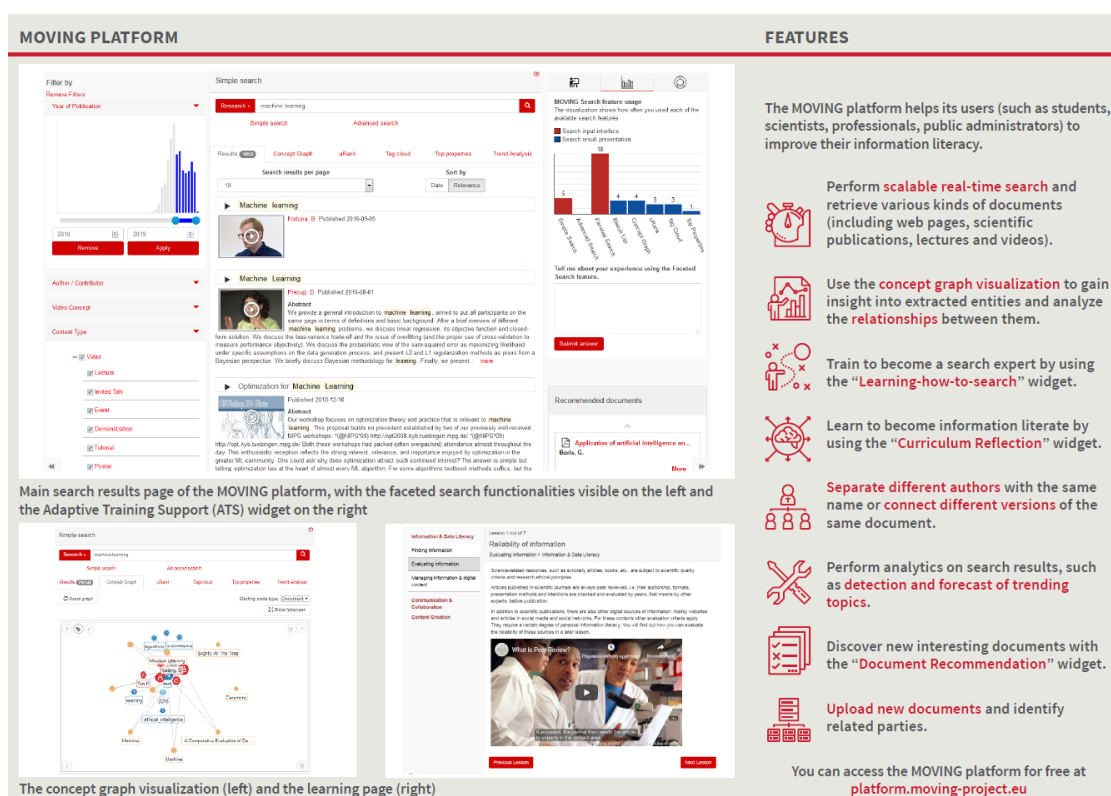


Figure 3: The updated MOVING leaflet (inside page).

3.1.2 Social media presence

Twitter

In this last year of the project we continued, via Twitter, to inform and engage our target audiences and their respective communities with information about the latest project achievements, events, discussions, and news. More specifically:

- We continued to maintain the MOVING twitter account, where we inform our audience about the project and its results in general,
- we created the @MomoSci20, a dedicated twitter account in order to cover various subjects of the MOVING MOOC (Massive Open Online Course), where we particularly engage target audiences that have a deep interest in Science 2.0 and open research methods. This account was also used to communicate with the participants of the course and to support them in their weekly tasks.

The @MOVING_EU Twitter account reached more than 170 tweets. The account has also more than 100 followers, follows almost 100 key Twitter users from target project communities. The @MomoSci20 Twitter account reached more than 200 tweets, follows 315 and already has more than 150 followers by reaching even more core target communities. In overall, both accounts reached more than 370 tweets, and have more than 250 followers. Snapshots of the tweet feeds of @MOVING_EU and @MomoSci20 are shown in Figure 4 and Figure 5.

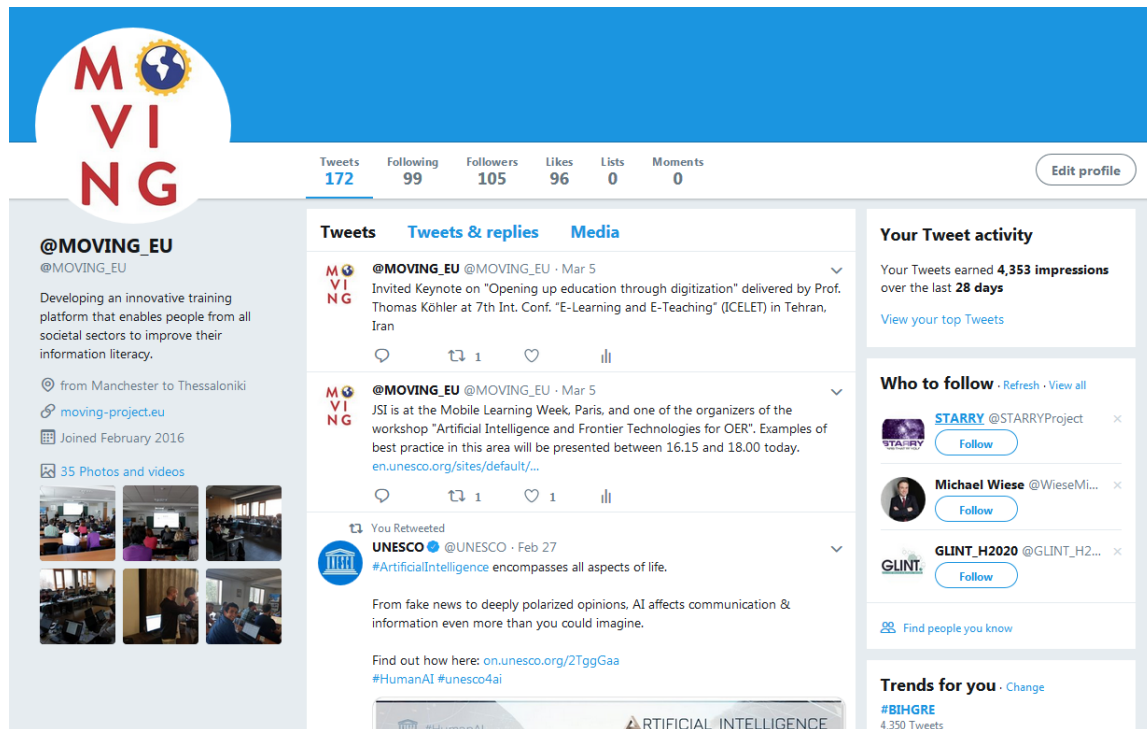


Figure 4: A snapshot of the MOVING Twitter account.

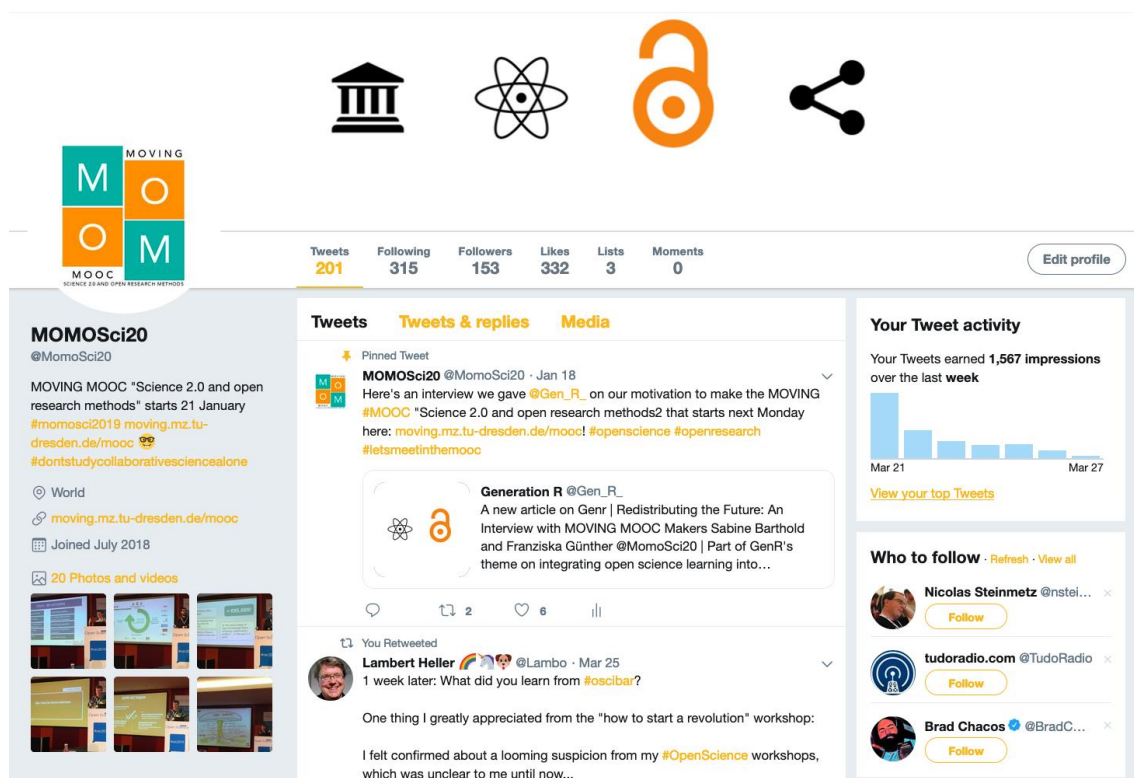


Figure 5: A snapshot of the MOVING MOOC Twitter account.

We continued to consider Twitter as one of the most useful means to inform and engage with our target audiences and their respective communities. Via Twitter it is also easy for our followers to engage with the MOVING project, either by following, mentioning, re-tweeting or commenting on

our tweets. Our twitter activity has grown (by also creating the new dedicated twitter account for the project MOOC) and led to a growth in the number of followers (we quadruple our followers). In addition to these followers, many more twitter users were reached by the MOVING partners typically re-tweeting the MOVING tweets using their personal accounts. We also analysed the MOVING and the MOOC Twitter accounts with the Twitonomy tool (Figure 6 and Figure 7).

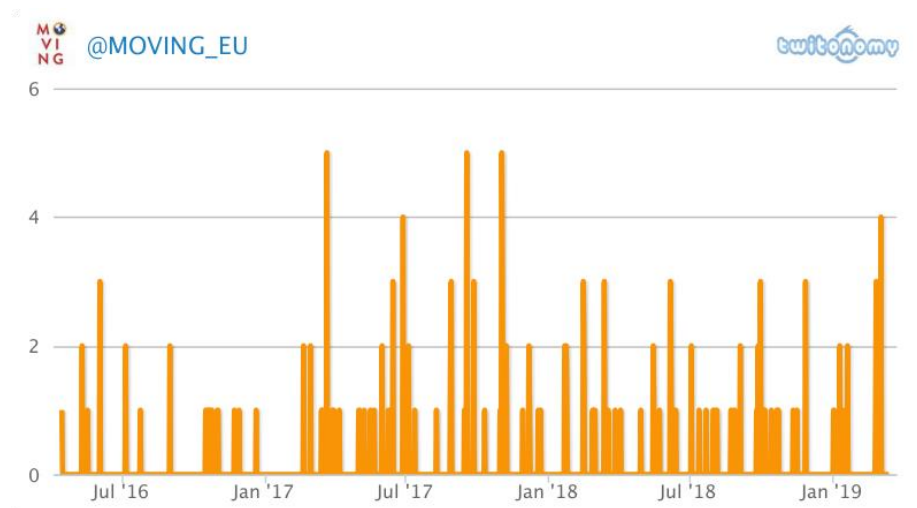


Figure 6: MOVING's complete Twitter history - number of tweets per day.

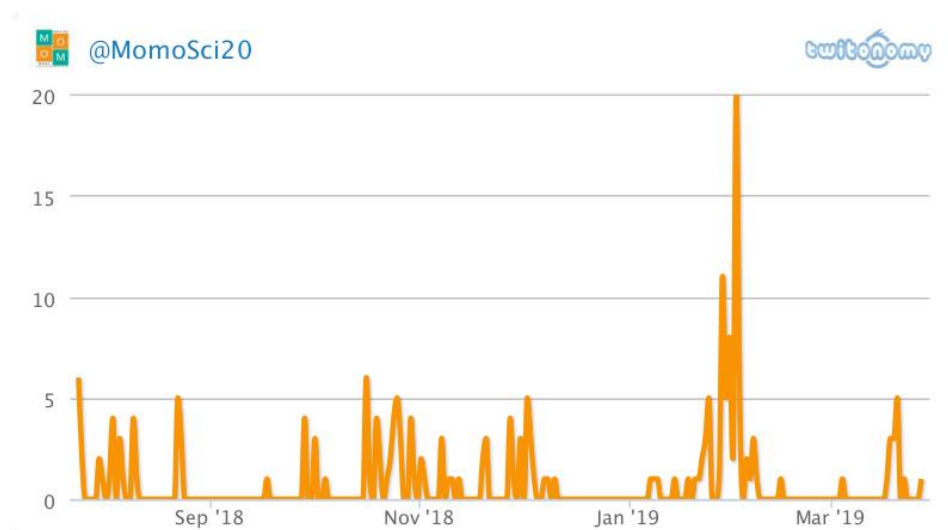


Figure 7: MOVING's MOOC complete Twitter history - number of tweets per day.

The highest activities on the MOVING Twitter account during the lifetime of the project were observed:

- a) On February 2018 when the MOVING platform become publicly available, which is when we made a strong and coordinated effort to publicise the platform and we also promoted the MOVING project's video (promo).

- b) On October 2018 and on February 2019 when we disseminated the registration of the MOVING MOOC.

Whereas in the MOOC Twitter account the highest activities were observed:

- a) During the 1st (November – December 2018) and the 2nd round of the MOOC (January – February 2019).
- b) During the advertising phases for the MOOC.
- c) During the Open Science Conference from 18th to 20th of March in Berlin.

SlideShare

We have 22 SlideShare presentations and 5 additional SlideShare documents posted (with more than most 5500 total views at the time of writing and with more than doubled since last year) to the project's SlideShare account (Figure 8). These are about:

1. Effective Unsupervised Author Disambiguation with Relative Frequencies.
2. The Impact of Name-Matching and Blocking on Author Disambiguation.
3. MOVING Project Presentation (3rd release March 2019).
4. What to read next? Challenges and Preliminary Results in Selecting Representative Documents.
5. Qualitative Analysis of Vocabulary Evolution on the Linked Open Data Cloud.
6. Analysing the Evolution of Vocabulary Terms and Their Impact on the LOD Cloud.
7. Deep Multi-task Learning with Label Correlation Constraint for Video Concept Detection poster.
8. Keeping Linked Open Data Caches Up-to-date by Predicting the Life-time of RDF Triples.
9. Generic to Specific Recognition Models for Membership Analysis in Group Videos.
10. Modelling user requirements to develop a platform enabling data-savvy information professionals.
11. MOVING the Industry 4.0.
12. MOVING presentation at JSI.
13. VideoLectures.NET presentation at the Open Education Global Conference, Delft, 2018.
14. MOVING presentation at the Course in Open Education Design, July 2018, Slovenia.
15. MOVING Project Presentation (2nd release February 2018).
16. MOVING poster.
17. WevQuery: Testing Hypotheses about Web Interaction Patterns.
18. TRECVID 2016 poster CERTH-ITI.

19. TRECVID 2016 ad-hoc video search task, CERTH-ITI.
20. Video aesthetic quality assessment using kernel support vector machine with isotropic Gaussian Sample Uncertainty (KSVM-IGSU).
21. Information theoretic analysis of entity dynamics on the linked open data cloud.
22. Including financial criteria in the strategic planning of knowledge repository operation.
23. Mining and Managing Large-scale Linked Open Data.
24. Profiling vs. Time vs. Content: What does Matter for Top-k Publication Recommendation based on Twitter Profiles?
25. MOVING Project Presentation (1st release May 2016).
26. Concept Language Models and Event-based Concept Number Selection for Zero-example Event Detection.
27. Query and Keyframe Representations for Ad-hoc Video Search.

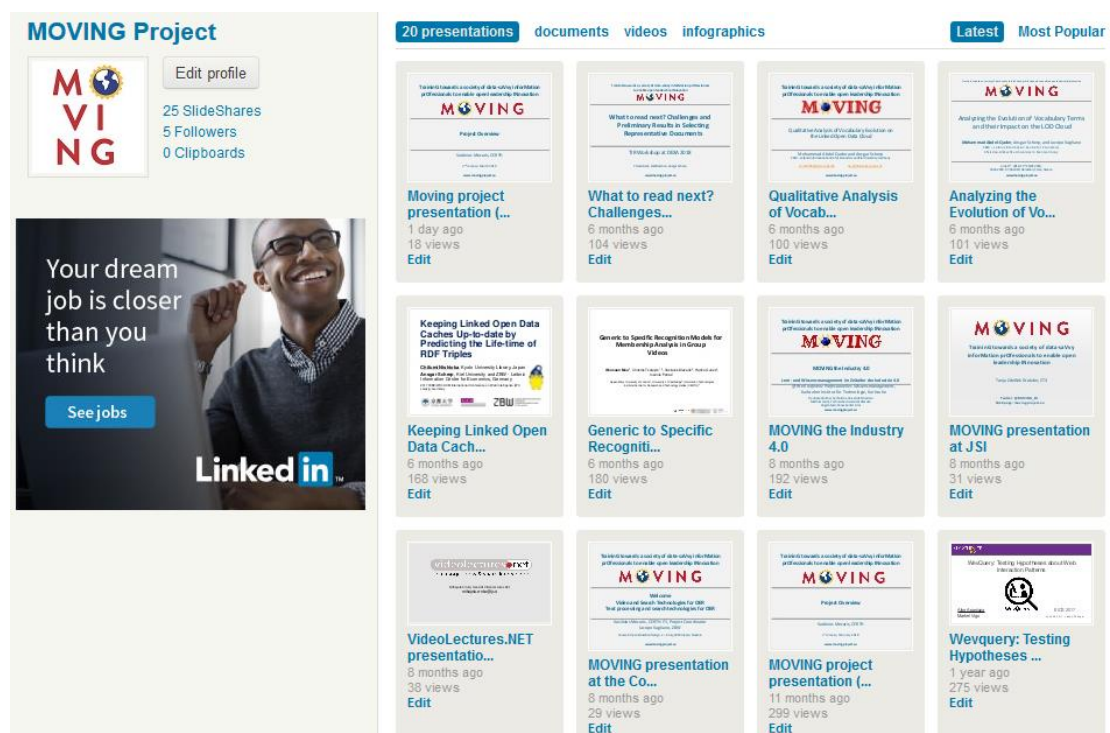


Figure 8: A snapshot of the MOVING SlideShare account.

ResearchGate

We continued to inform the users about: a) the context of the project, b) the progress of the project, by uploading all scientific publications about the MOVING platform and its individual technologies, c) our participation in and organisation of scientific and industry oriented events. By uploading all the information about the project we attracted more than 340 readers and we increased the number of followers almost to 30. Figure 9 presents a snapshot of the ResearchGate account.

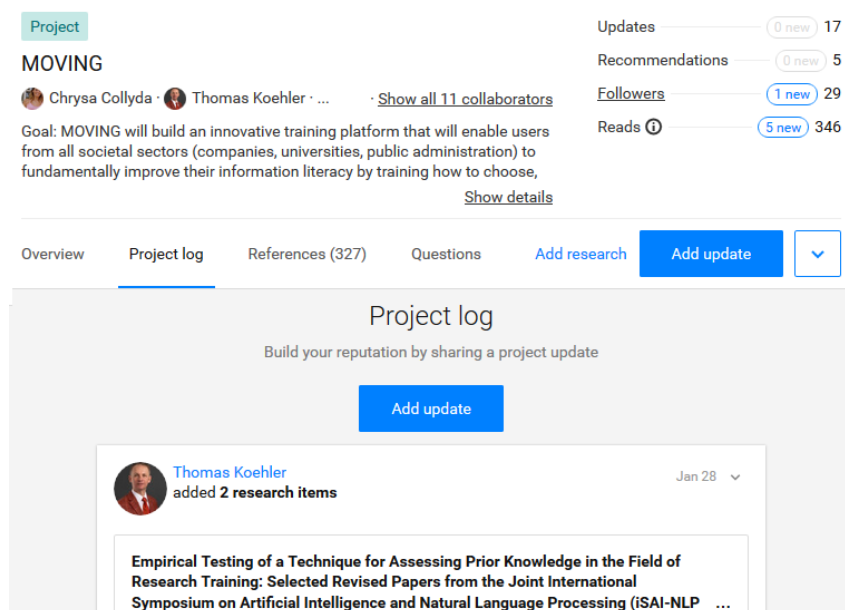


Figure 9: Snapshot of the MOVING ResearchGate account.

3.1.3 Newsletters

We continued to follow the consortium's plan to publish newsletters every 6 to 9 months, and we published two newsletters during the last year of the project, in month 30 and in the last month of the project. The two new issues, which were prepared by CERTH, were uploaded to the project's website and were distributed to the consortium for disseminating the project achievements. As presented in Figure 10(a)-(f) below, the fourth newsletter included:

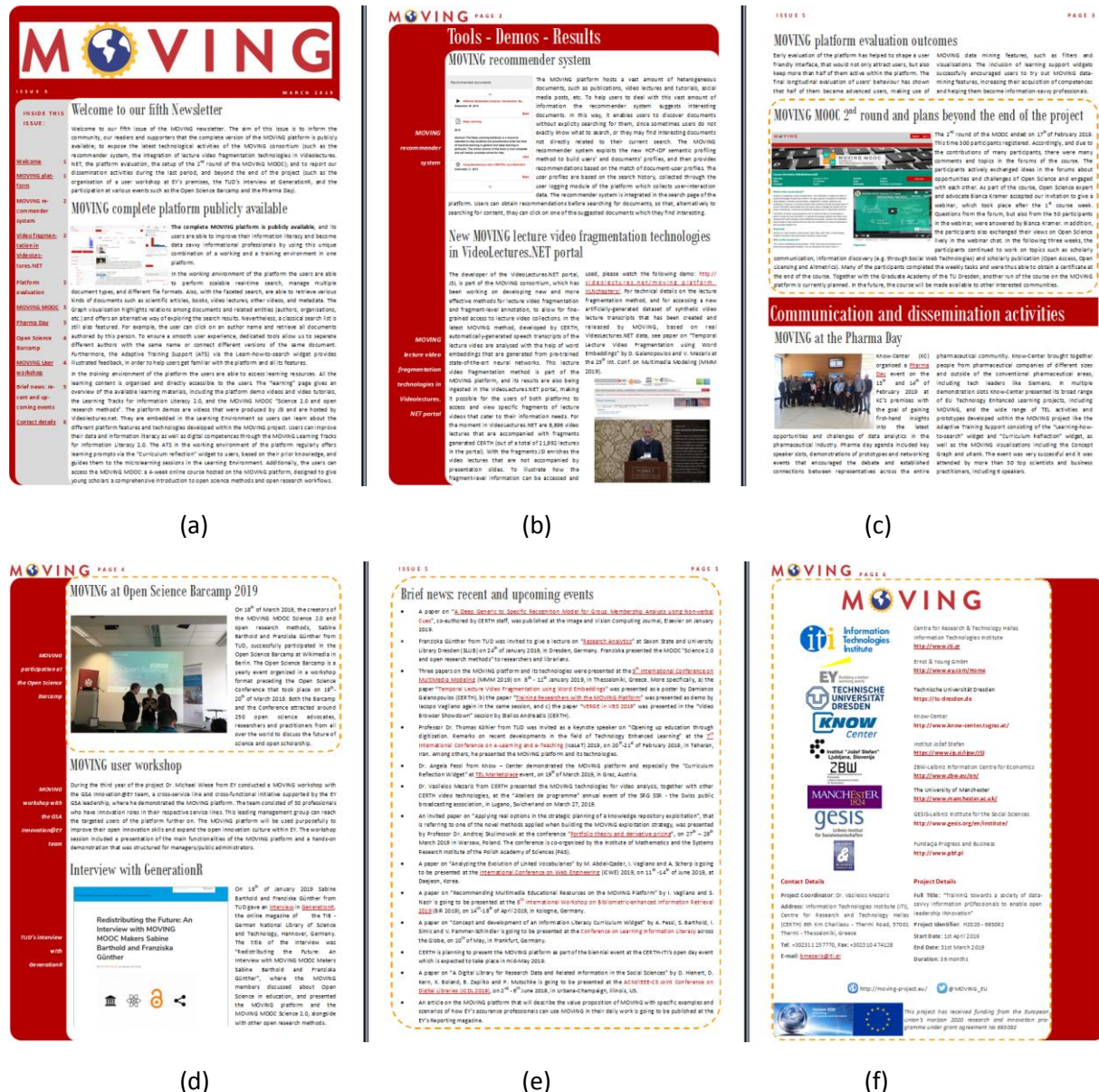
- A welcome message.
- An announcement regarding the organisation of the MOVING MOOC on "Science 2.0 and open research methods". The announcement informed the audiences that the MOOC will be held in the platform where a combined environment for research, collaboration and training is available, and disseminated the registration of it.
- Presentations on several improved MOVING technologies, visualisations and learning materials in the platform, on the MOVING lecture video fragmentation technologies, on the status regarding the new releases of the MOVING tutorials and videos, and on the status of the platform evaluation.
- Reports on various dissemination and communication activities. More specifically: a) a session MOVING organised at the Open Science Conference on 13th -14th of March 2018, in Berlin, Germany, b) presentations of MOVING at two events organised by UNESCO (UNESCO's Mobile Learning Week, and UNESCO's workshop on Open Education Design), at the Data Driven Future Forum: Learning Analytics and at the FTA 2018, and c) presentations of MOVING technologies at various events.
- Details about the project consortium, contact information, and details regarding the project's funding agency.

Figure 10: The 4th issue of the MOVING newsletter.

Regarding the last issue of the newsletter, we introduced the following topics and materials to its audience (as shown in Figure 11 (a)-(f) below) the following topics and materials:

- A welcome message.
- An announcement about the MOVING complete platform.
- A report about the MOVING MOOC 2nd round and the plans beyond the end of the project.
- A presentation of the MOVING recommender system.
- An announcement regarding the implementation of the MOVING lecture video fragmentation technologies in the Videolectures.NET platform.
- A report on the final outcomes of the evaluation of the MOVING platform.

- Reports on various dissemination and communication activities. More specifically: a) a MOVING user workshop in the EY premises, b) presentations of MOVING at the Pharma Day¹ at Know-Center and at Open Science Barcamp 2019², c) presentations of MOVING technologies results at various events.
- Presentation of MOVING in two magazines, the GenerationR (an online magazine of the TIB – German National Library of Science and Technology) and the EY's reporting Magazine.
- Details about the project consortium, contact information, and details regarding the project's funding agency.



¹<https://www.know-center.tugraz.at/en/know-center-brings-key-industry-leaders-together-debate-share-insights-opportunities-challenges-data-analytics-pharmaceutical-industry/> (last accessed on 26-03-2019)

² <https://www.open-science-conference.eu/barcamp/> (last accessed on 26-03-2019)

Figure 11: The 5th issue of the MOVING newsletter.

3.1.4 Press Releases

The project members published three press releases in the last year of the project. All press releases reported on the introduction and the registration of the MOVING MOOC “Science 2.0 and open research methods”. The first press release was published by TUD on 16th of October 2018. Amongst others, it was circulated through the Communication and information services for historical research website (H-Soz-Kult)³. The second press release was published by CERTH on October 18th 2018. It was widely distributed within Greece via the CERTH’s website⁴, the CERTH’s academia oriented mailing list (with around 1600 email contacts in different Greek universities), and the official CERTH’s Twitter⁵ (with more than 1350 followers) and Facebook⁶ (which has more than 5400 followers and more than 5400 likes) accounts. The third press release was released by ZBW on 25th of October 2018. It was distributed within Germany via the ZBW’s website⁷. Figure 12 presents the English version of the press release that was published in H-Soz-Kult’s news website. Figure 13 (a) and (b) presents the English and Greek version of the press release that was published in CERTH’s news website, Figure 14 (a) and (b) presents the English and German version of the press release that was published in ZBW’s news website.


³ <https://www.hsozkult.de/event/id/termine-38479?language=en> (last accessed on 26-03-2019)

⁴ <https://www.certh.gr/OC5C4297.en.aspx> (last accessed on 26-03-2019)

⁵ <https://twitter.com/CERTHellas> (last accessed on 26-03-2019)

⁶ <https://www.facebook.com/296669010434359/photos/a.297953616972565/1543052275796020/?type=1&theater> (last accessed on 26-03-2019)

⁷ <https://www.zbw.eu/en/about-us/news/single-view/news/registration-for-the-moving-mooc-science-20-and-open-research-methods-is-open/> (last accessed on 26-03-2019)


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Place	Dresden
Venue	https://moving.mz.tu-dresden.de/mooc
Host/Organizer	TU Dresden, Medienzentrum, Horizon 2020-Projekt MOVING
Date	12.11.2018
Url	https://moving.mz.tu-dresden.de/mooc

By
Sabine Barthold

Registration is open for the MOVING MOOC Science 2.0 and open research methods! You can enroll for free here: <https://moving.mz.tu-dresden.de/mooc>

The MOVING MOOC (Massive Open Online Course) on "Science 2.0 and open research methods" is being developed and implemented at the Media Centre as part of the EU Horizon 2020 project MOVING (<http://moving-project.eu>). Open Science and movements such as Open Data, Open Access and Open Educational Resources, which advocate free access to knowledge for all, have far-reaching implications for the excellence of research - its creativity, productivity, reliability and validity. Open science requires a new set of skills and attitudes to enable young researchers to succeed in this environment.

MOOC is a collaborative learning event that specifically addresses young scholars from the social sciences and humanities who want to learn about open collaborative science practices. In the MOOC, young scholars learn to use social web technologies and online communities as a means of research: to build networks, to discuss findings and to collaborate with scholars across disciplinary, cultural and geographical boundaries.

MOOC participants will learn that social technologies in the context of movements such as open access and Creative Commons offer completely new opportunities to publish, share, discuss and reproduce scientific knowledge and data. Mastering these social technologies and web-based tools will enable them to create scientific innovations and make scientific knowledge available to a wider public.

The MOOC starts 12 November 2018 on the MOVING-Platform (<https://moving.mz.tu-dresden.de>). The course will be held in English, is free of charge and is open to all interested people. For more information you can watch this short Video (<https://youtu.be/ZtsUHV3QGDE>), visit the MOVING-Website and follow us on Twitter @MoMoSci20.

Programm
Course schedule

Week 1 Introduction to Science 2.0 and open research methods
Week 2 Understand the Web 2.0 information landscape
Week 3 Become an active voice in the conversation with web 2.0 technologies
Week 4 Make your research open!

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Germany

Figure 12: Screenshot of TUD's press release in English on ZBW's news website.



CERTH
CENTRE FOR RESEARCH & TECHNOLOGY HELLAS

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INSTITUTES 1
ENTREPRENEURSHIP

NEWS

Print this page

The MOVING project announces that registration for the MOOC "Science 2.0 and open research methods" is open

Downloads
Annoucement [729.58KB]

MOVING is organizing a MOOC on "Science 2.0 and open research methods". In the MOOC young scholars will learn to use web-based social technologies and online communities not just as an object of study, but also as way of conducting research: to build networks, discuss findings and collaborate with scholars (globally) across disciplinary, cultural and geographical boundaries. Participants in the MOOC will learn how the use of social technologies together with movements like Creative Commons offer entirely new ways to publish, share, discuss and reproduce scientific findings and data. Mastering these social technologies and web-based tools will provide them with the opportunity to create scholarly innovations and make their own scientific findings accessible to a broader public.

The MOOC starts **November 12th, 2018** on the MOVING platform, which is a combined space for research, collaboration and training. For more information you can watch this short video: <https://youtu.be/Z4kUlnYQQDE>, visit the MOVING website, and follow the MOOC organizers on Twitter @MoMoSci20. **Attending the MOOC is free for all, following a simple e-registration procedure; registration is open at the following link:** <https://moving.mz.tu-dresden.de/mooc>.

Notes: The MOVING Research and Innovation Action has received funding from the Horizon 2020 program of the European Commission under Grant Agreement H2020-693092.

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MOVING website: www.moving-project.eu,
Twitter: MOVING_EU
Youtube: MOVING-H2020-Project 2016-2019
Slideshare: https://www.slideshare.net/MOVING_EU/presentations

(a)



EKETA
ΕΘΝΙΚΟ ΚΕΝΤΡΟ ΕΡΕΥΝΑΣ & ΤΕΧΝΟΛΟΓΙΚΗΣ ΑΝΑΠΤΥΞΗΣ

Ελληνικά English

Αρχική | Ενημέρωση | Εκδηλώσεις | Διοργανώσεις | Θέσεις Εργασίας | My Certh | Επικοινωνία

EKETA 1
ΠΡΟΪΟΝΤΑ 1
ΕΠΙΧΕΙΡΗΜΑΤΙΚΟΤΗΤΑ

NEWS

Εκτύπωση σελίδας

Το ευρωπαϊκό έργο MOVING ανακοινώνει την εκκίνηση εγγραφών για το μαζικό ανοιχτό διαδικτυακό μάθημα «Science 2.0 και ανοιχτές ερευνητικές μέθοδοι»

Downloads
Η Ανακοίνωση [784.29KB]

Το ευρωπαϊκό έργο MOVING διοργανώνει ένα μαζικό ανοιχτό διαδικτυακό μάθημα (ΜΑΔΜ - MOOC) με θέμα «Science 2.0 και ανοιχτές ερευνητικές μέθοδοι». Μέσω του ΜΑΔΜ οι νέοι ερευνητές θα μάθουν να χρησιμοποιούν τις κοινωνικές διαδικτυακές τεχνολογίες, καθώς και τις διαδικτυακές επιστημονικές κοινότητες, όχι μόνο ως αντικείμενα μελέτης αλλά και ως διαδίοιο επικοινωνίας για την έρευνα τους: χτίζοντας δίκτυο κοινού επιστημονικού ενδιαφέροντος, αυξάνοντας ερευνητικό εύρημα και επηγοινώντας συνεργασίες με άλλους ερευνητές (παγκοσμίως) ανεξαρτήτως επιστημονικών, κοινωνικών και γεωγραφικών συνόρων. Οι συμμετέχοντες του ΜΑΔΜ μεταξύ άλλων θα μάθουν πώς η χρήση των προηγμένων τεχνολογιών σε συνδυασμό με κινήματα όπως το Creative Commons προσφέρουν ένα τελείως νέο τρόπο δημοσίευσης, δημοσίευσης, συζήτησης και αναπαραγωγής των επιστημονικών τους ευρημάτων και δεδομένων. Έτσι, οι ερευνητές γνωρίζοντας καλύτερο όλες τις νέες τεχνολογίες και τα διαδικτυακά εργαλεία που χρησιμοποιούνται στα κοινωνικά δίκτυα μέσα θα έχουν την ευκαιρία να δημιουργήσουν καινοτόμες ιδέες οι οποίες θα είναι προσβάσιμες στο ευρύ κοινό.

Το ΜΑΔΜ ξεκινά στις **12 Νοεμβρίου 2018** μέσω της πλατφόρμας MOVING, που αποτελεί ένα συνδυαστικό περιβάλλον για έρευνα, συνεργασία και εκπαίδευση. Για περισσότερες πληροφορίες μπορείτε να παρακολουθήσετε το σύντομο βίντεο <https://youtu.be/Z4kUlnYQQDE>, να επισκεφτείτε την ιστοσελίδα του έργου και να ακολουθήσετε τους διοργανωτές του ΜΑΔΜ στο twitter @MoMoSci20. **Η παρακολούθηση του ΜΑΔΜ είναι δωρεάν για όλους, με μια απλή ηλεκτρονική εγγραφή - οι εγγραφές ξεκίνησαν, και γίνονται εδώ:** <https://moving.mz.tu-dresden.de/mooc>

Σημείωση: Το ερευνητικό έργο MOVING έχει λάβει χρηματοδότηση από το Πρόγραμμα Ορίζοντες 2020 της Ευρωπαϊκής Ένωσης βάσει του συμβολαίου H2020-693092.

Πληροφορίες επικοινωνίας:
- Δρ. Βασίλειος Μεζάρης - Ερευνητής Α' ΙΠΤΗΛ/ΕΚΕΤΑ, συντονιστής έργου MOVING / Τηλ.: 2311 257770 / E-mail: vmezaris@iti.gr
- Αμελία Δρόσου - Υπερσυντονίστρια ΕΚΕΤΑ / Τηλ.: 2310 498214 / E-mail: amelidr@certh.gr

Ιστοτόπος MOVING: www.moving-project.eu,
Twitter: MOVING_EU
Youtube: MOVING-H2020-Project 2016-2019
Slideshare: https://www.slideshare.net/MOVING_EU/presentations

(b)

Figure 13 (a), (b): Screenshot of CERTH's press release in English and Greek on CERTH's news website.


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REGISTRATION FOR THE MOVING MOOC "SCIENCE 2.0 AND OPEN RESEARCH METHODS" IS OPEN!

News

10/25/2018 |

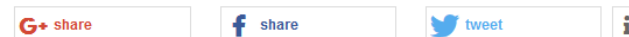
The course is addressing young scholars - PhDs, Post-docs and students at an advanced level (graduate students) - from all disciplines that want to learn in collaboration with others about the benefits of Web 2.0 technologies and principles of openness for scientific research and academic practice.



The MOOC will show young academics how to utilize the Web 2.0 technologies to search, access and use information, to organize knowledge, develop new ideas, build networks with other scholars, public institutions and society. Learners will understand the principles of open science and how they can contribute to a culture of openness in their everyday research life.

The MOOC starts November 12th, 2018 on the [MOVING Platform](#).

[Registration and further information](#)
[Video](#)



(a)

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JETZT FÜR DEN MOVING-MOOC "SCIENCE 2.0 AND OPEN RESEARCH METHODS" REGISTRIEREN!

Aktuell

25.10.2018 |

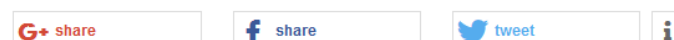
Der MOOC "Science 2.0 and open research methods" wendet sich an junge Wissenschaftlerinnen und Wissenschaftler aller Disziplinen.



Inhalt ist die Verwendung von Web 2.0-Technologien für die eigene Arbeit sowie die Vermittlung des Prinzips von Open Science.

Der MOOC beginnt am 12. November 2018 auf der [MOVING-Plattform](#).

[Registrierung und weitere Informationen](#)
[Video zum MOOC](#)



(b)

Figure 14 (a), (b): Screenshot of ZBW's press release in English and German on ZBW's news website.

3.2 Activities at the intersection of communication and dissemination

3.2.1 Project website

Since the online release of the project website (March 2016) almost 6600 people accessed the website, resulting in almost 16,300 views of the website's content. The website is an active and living means for publishing information regarding the project's progress, developments, outcomes and plans. 59 news items have been published on the website, providing details about a variety of different activities (such as interviews, participation and organisation of events etc.).

A traffic analysis, done with the help of Matomo (former Piwik)⁸ analytics platform (Figure 15; data available from April 2016), shows considerable interest in the website. More specifically:

- the average duration of each visit is at 3.42 minutes,
- the number of returning visitors is over 2600,
- the duration of a returning visit is 4.31 minutes,
- the countries from which the website is visited is 56 in total, and considerable interest from outside Europe was also drawn (e.g. the United States had ~2080 visits (~32%)).

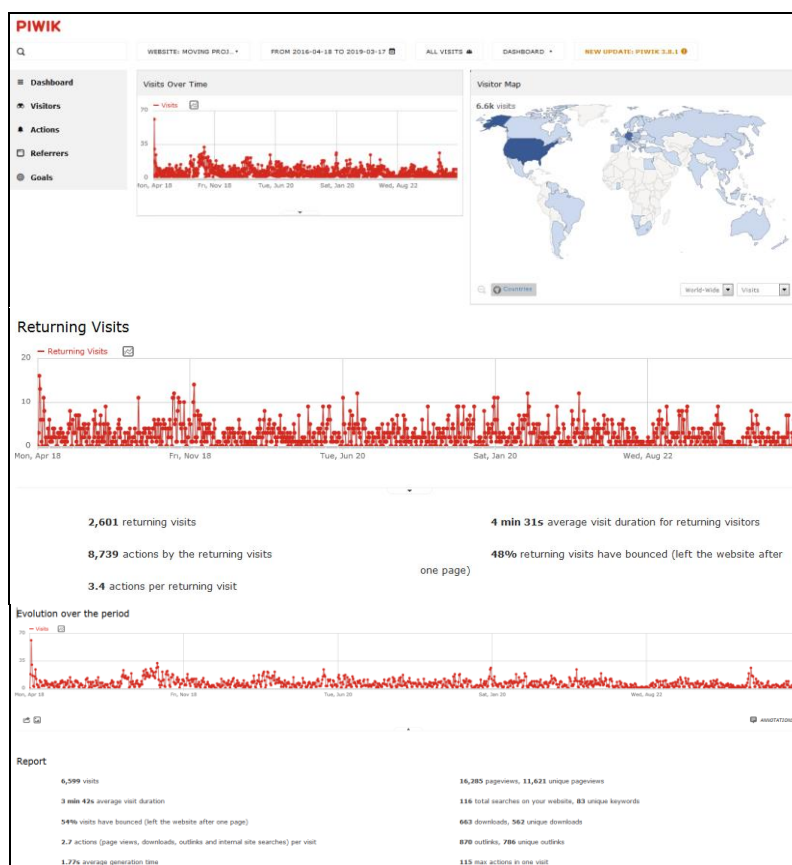


Figure 15: Data on the project website traffic, collected with Matomo analytics.

⁸ <https://matomo.org/> (last accessed 26-3-2019)

Figure 16 below presents the referrer websites with the highest number of visits. As illustrated in this figure the project website was reached by visitors pushed from different online sources and communication channels (70 in total). The latter contain:

- Websites/blogs of project partners such as CERTH-ITI (www.iti.gr, www.mklab.iti.gr), ZBW (www.zbw.eu), KC (www.know-center.tugraz.at), JSI (<http://videolectures.net>) and UMAN (<http://www.cs.manchester.ac.uk/>).
- Websites of other EU funded projects such as the Aligned project (aligned-project.eu).
- Bibliotheca portals such as bibliotheksportal.de.
- Social media platforms such as Research Gate, Twitter, Facebook and Yammer.

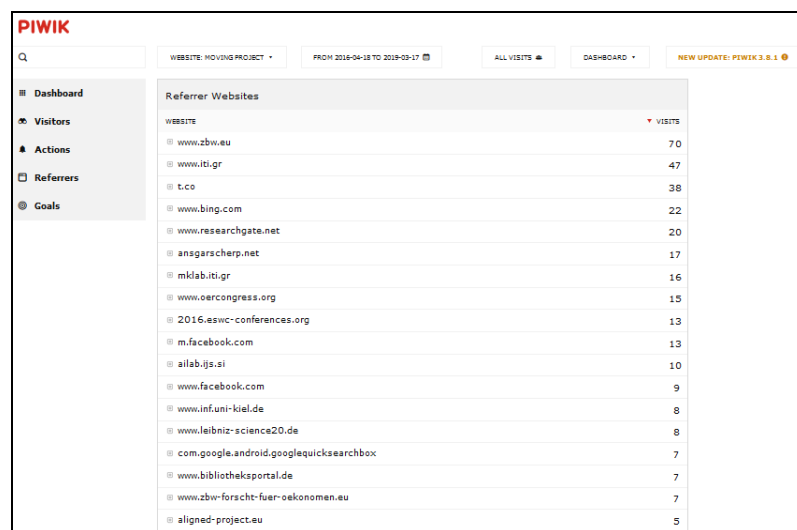


Figure 16: The referrer websites with the highest number of visits.

Figure 17 below presents the website's links with the highest number of clicks. As illustrated in the figure below the most popular as it was expected were the MOVING MOOC and the MOVING platform links.

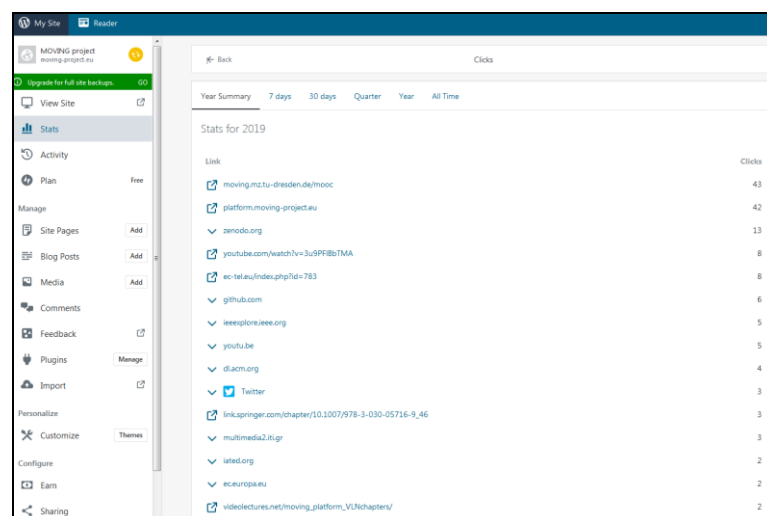


Figure 17: The most popular website's links.

All these metrics indicated that the project website had a wide range of visitors from many different countries, and the visitors appreciated the content published on the website.

During the last year of the project we kept updating the webpages with any new result of the project. Moreover, the webpages with the project's results enabled visitors to access the deliverables (without violating any GA-defined restrictions concerning the confidential nature of some of them), the scientific publications, the given presentations and the introduction and explanation of the functionalities of the MOVING platform.

Furthermore, we introduced two new webpages: a) the MOVING MOOC (Figure 18) webpage⁹, which acts like a reference point for anyone who wishes to find information, to follow or participate in the MOOC, and b) the MOVING videos (Figure 19) webpage¹⁰, which acts like a reference point for all the videos that are uploaded in the Videolectures.NET and the MOVING YouTube channels. Specifically, for the MOVING videos webpage, the videos are divided into four groups, regarding the content: a) Project overview, b) MOVING platform tutorials, c) Partner presentations in various events, and d) MOVING technologies presentations.

MOVING MOOC

In order to train young researchers for the second use case of MOVING, consortium partner Technische Universität Dresden (TUD) implemented the **"MOVING MOOC: Science 2.0 and open research methods"** in the platform, with the goal to develop a course that gives them the opportunity to acquire academic information literacy along the principles of open science through the MOVING platform. MOVING MOOC is a 4-week online course on the MOVING platform and was conducted twice during the project lifetime.

Course Information (MoMoSci20)

Start date	January 21, 2019	Duration	4 weeks
Effort	2-3 hrs/week	Level	Beginner
Language	English	Certificate	Certificate of participation

What is this course about?

Science is undergoing a major transformation. The proliferation of digital and Web 2.0 social technologies brought about shifts in all major aspects of academic scholarship – doing research, scholarly communication, collaboration, funding, teaching, and publishing. In Science 2.0 scholars broaden their worldview through the global reach of current information technologies and use social media to engage with people from all kinds of disciplinary, cultural and professional backgrounds in collaborative networks. The MOOC will show young academics how to utilize the Web 2.0 technologies to search, access and use information, to organize knowledge, develop new ideas, build networks with other scholars, public institutions and society. Learners will understand the principles of open science and how they can contribute to a culture of openness in their everyday research life.

Keywords:

Science 2.0, Open Science, Open Access, Open Data, OER, Web 2.0 technologies, Creative Commons, open peer review, Altmetrics, social media

Who is this course for?

The course is addressing young scholars – PhDs, Post-docs and students at an advanced level (graduate students) – from all disciplines that want to learn in

For more information watch this short video: <https://youtu.be/3u9PFIBbTMA?t=13> and follow the MOOC organisers on Twitter @MoMoSci20. You can register for the MOOC on: <https://moving.mz.tu-dresden.de/mooc>.

The MOVING vision

MOVING will build an innovative training platform that will enable users from all societal sectors (companies, universities, public administration) to fundamentally improve their information literacy by training how to choose, use and evaluate data mining methods in connection with their daily research tasks and to become data-savvy information professionals.

Tweets

Tweets by @MOVING_EU

@MOVING_EU
Invited Keynote on "Opening up education through digitization" delivered by Prof. Thomas Köhler at 7th Int. Conf. "E-Learning and E-Teaching" (ICELET) in Tehran, Iran

Mar 5, 2019

Figure 18: The introduced MOVING MOOC webpage.

⁹ <http://moving-project.eu/moving-mooc/> (last accessed 26-3-2019)

¹⁰ <http://moving-project.eu/videos/> (last accessed 26-3-2019)

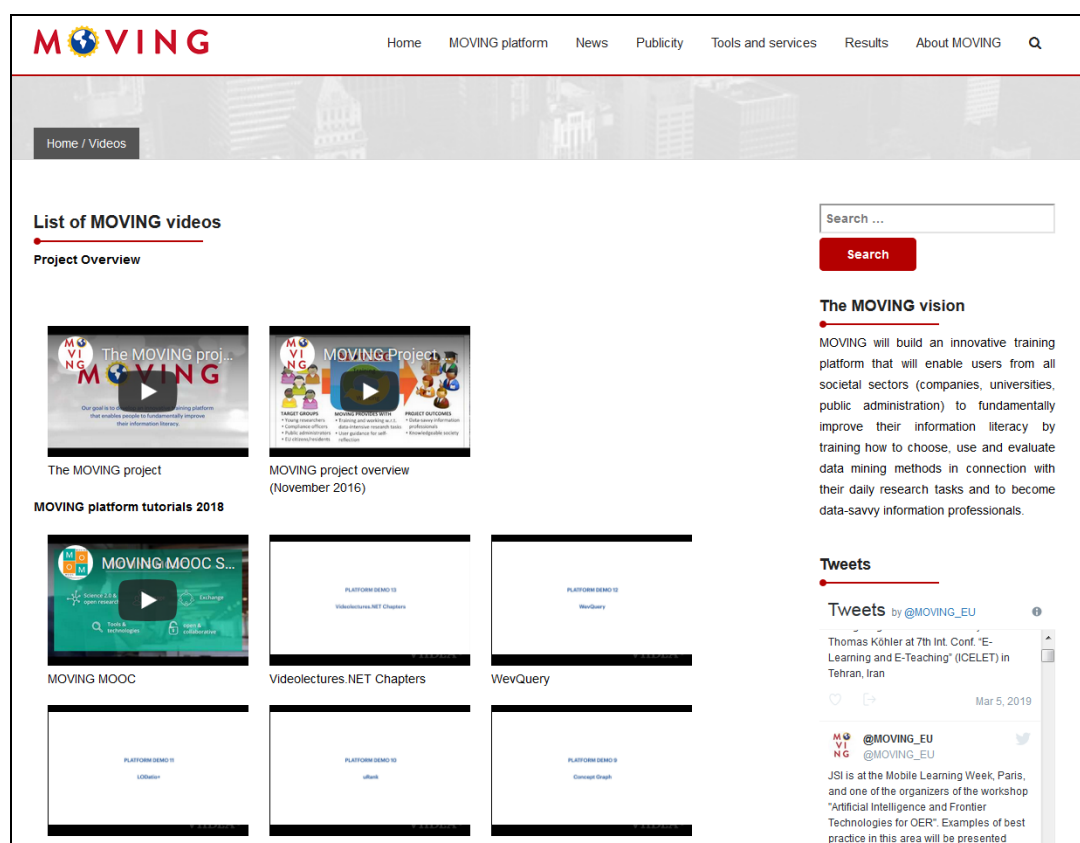


Figure 19: The recently introduced MOVING videos webpage.

Last but not least, the events webpage¹¹ about the potential and scheduled project's presence in national and international events (Figure 20) continued to act like a reference point for anyone who wish to meet in person one or more of the project partners and to be informed about the developments of MOVING. Moreover, besides that this webpage is a registry of past events that MOVING participated in, it also gives a list of events that MOVING partners plan to participate in the future after the end of the project, being a clear indicator about the dissemination and communication efforts of the project consortium not only during but also after the project's lifetime.

¹¹ <http://moving-project.eu/events> (last accessed 26-3-2019)

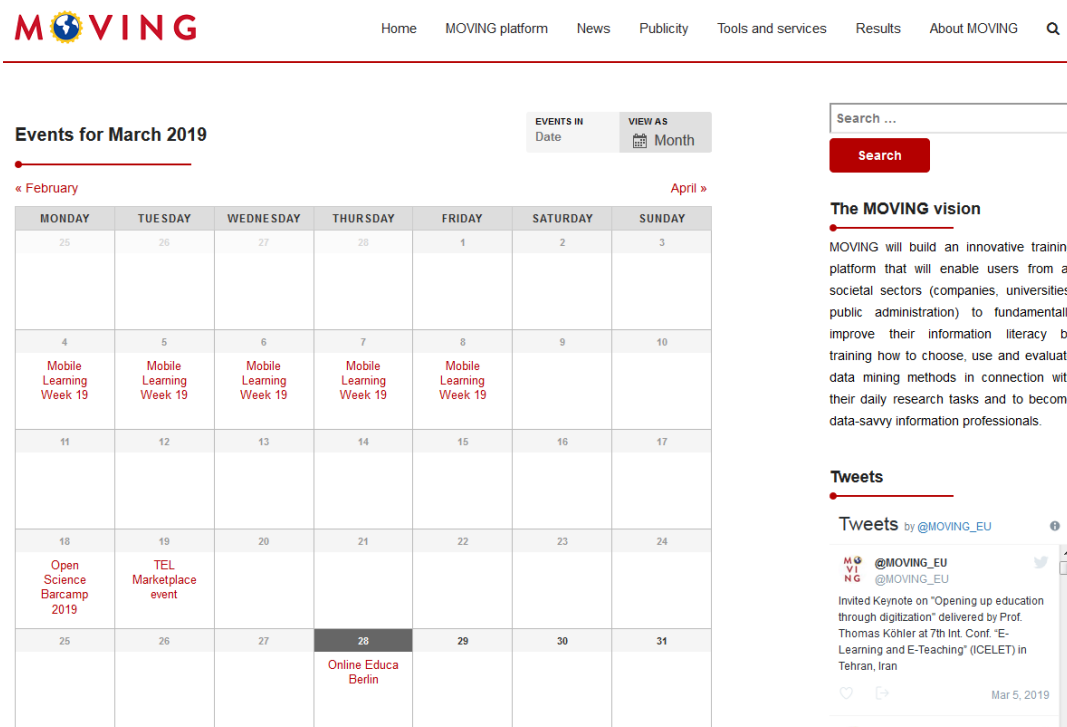


Figure 20: The MOVING events webpage.

3.2.2 YouTube and Videolecture.NET channels

YouTube and Videolecture.NET channels

MOVING YouTube¹² and MOVING Videolecture.NET¹³ channels contain 38 project videos, 27 of which were published in the last year. As already mentioned in deliverables D2.3 and in D5.3 these videos are specifically related to the introduction and explanation of the functionalities of the MOVING platform, and the project technologies and aim to train the platform users and also the public interested in MOVING. The relevant tutorials and guidance videos produced by JSI are provided in the learning environment of the MOVING platform and at a MOVING dedicated VideoLectures.NET subsite under http://videolectures.net/moving_videos/. A detailed list of the MOVING tutorials and guidance videos can be seen in deliverable D2.3 under subsection 3.3.4. Additionally, TUD along with ZBW and KC produced 3 short introductory videos: a) on data mining techniques and their use in dealing with large amounts of data, b) on search engines and how they enable users to find information on the internet and in large databases, and c) on data visualisations and how they help users to explore information patterns in large datasets. At the time of writing we have already attracted more than 2300 viewers in both channels.

¹² <https://www.youtube.com/channel/UCLpMLXQQaHDv0CJMG5Sc7mg/videos> (last accessed on 26-03-2019)

¹³ http://videolectures.net/moving_videos/ (last accessed on 26-03-2019)

3.2.3 MOVING open door days

MOVING was present at the KC's Pharma Day. In this event, the MOVING project, platform and technologies were presented to more than 30 visitors including top scientists and key industry experts from research centres and pharmaceutical companies, respectively. More details regarding the Pharma day can be found in Table 3 below.

Table 3: MOVING Pharma day at KC.

1	Pharma Day (Graz, Austria, 13th-14th February 2019)
Description: Know-Center organised a Pharma Day event on the 13 th and 14 th of February 2019 at KC's premises with the goal of gaining first-hand insights into the latest opportunities and challenges of data analytics in the pharmaceutical industry. Pharma day agenda included key speaker slots, demonstrations of prototypes and networking events that encouraged the debate and established connections between representatives across the entire pharmaceutical community. Know-Center brought together people from pharmaceutical companies of different sizes and outside of the conventional pharmaceutical areas, including tech leaders like Siemens. https://www.know-center.tugraz.at/en/know-center-brings-key-industry-leaders-together-debate-share-insights-opportunities-challenges-data-analytics-pharmaceutical-industry/	
MOVING role: In multiple demonstration slots Know-Center presented its broad range of EU Technology Enhanced Learning projects including MOVING and the wide range of TEL activities and prototypes developed within the MOVING project like the Adaptive Training Support consisting of the "Learning-how-to-search" widget and "Curriculum Reflection" widget as well as the MOVING visualisations including the Concept Graph (the node-link representation of data in the MOVING platform) and uRank (the interactive web-based tool implemented in the MOVING platform, that combines lightweight text analytics and a stacked-bar-based visualisation to convey a content-based ranking of documents in a search result set).	
Title of presentation (Presenter): "MOVING platform demo" (DI. H. Stern, KC).	
Impact assessment: The event was attended by more than 30 top scientists and business practitioners, including 6 speakers. This event was related mostly to the industry/innovators , and scientific communities.	

3.2.4 Conference and event presentations

MOVING participated in 5 conferences and events with a presentation-only contribution (i.e., these were events that did not involve a MOVING scientific publication included in some sort of

proceedings; they were mostly events that did not strictly focus on the scientific community. For presentation of MOVING scientific papers in conferences and various events, see Section 3.3.3). Via the five events presented in this section, MOVING was disseminated to an audience of more than 2600 attendees. More details regarding these events can be found in Table 4 below.

Table 4: MOVING presentations in various conferences and events.

1	Mobile learning week (Paris, France, 26 th -30 th March 2018)
Description: Mobile Learning Week is UNESCO's flagship ICT in education conference. Co-organised by UNESCO and International Telecommunication Union (ITU), the United Nations specialised agency for ICT Mobile Learning Week 2018 was held under the theme "Skills for a connected world". Participants at the event exchanged knowledge about the ways governments and other stakeholders can define and achieve the skills-related targets specified by Sustainable Development Goal 4 ¹⁴ (SDG 4). https://oeb.global/	
MOVING role: JSI held a workshop session at the UNESCO's conference "Mobile Learning Week" in Paris, France and presented artificial intelligence technologies for OER and open education. Among others, MOVING was also presented.	
Title of paper and/or presentation (Presenter): "MOVING project presentation" (M. Jermol, JSI).	
Impact assessment: The workshop attracted around 40 government representatives and researchers and was mostly related to policy makers , and scientific communities.	
2	Open Education Global 2018 (Delft, The Netherlands, 24 th – 26 th April 2018)
Description: The OE Global conference is the most internationally diverse conference devoted exclusively to open education, attracting researchers, practitioners, policy makers, educators and students from more than 35 countries to discuss and explore how Open Education advances educational practices around the world. https://conference.oecconsortium.org/2018/	
MOVING role: Mihajela Crnko from JSI presented the paper on "VideoLectures.Net: Bridging Open Education policy and the needs of the job market" ¹⁵ , where she discussed about the VideoLectures.NET repository	

¹⁴ https://en.wikipedia.org/wiki/Sustainable_Development_Goals (last accessed 26-3-2019)

¹⁵ <https://conference.oecconsortium.org/2018/schedule/> (last accessed on 26-03-2019)

and how it is used in several projects (including MOVING), resulting in solutions that support the growth of Open Access.

Title of paper and/or presentation (Presenter):

“VideoLectures.Net: Bridging Open Education policy and the needs of the job market” (M. Crnko, JSI)

Impact assessment:

The presentation gathered ~35 researchers, practitioners, policy makers, educators and students interested in open education and it was mostly related to the **scientific, industry/innovators** and **policy makers** communities.

3 Online Educa Berlin (Berlin, Germany, 5th-7th December 2018)

Description:

Online Educa Berlin is Europe’s biggest meeting place for learning and technology professionals from the corporate, education and public sectors.

<https://oeb.global/>

MOVING role:

TUD participated in the conference with a booth where the MOVING platform was presented.

Title of paper and/or presentation (Presenter):

“MOVING platform presentation” (T. Köhler, TUD).

Impact assessment:

The conference had more than 2,500 participants from business, education and research, and government and public sector domains from over 70 countries, and was mostly related to **industry/innovators, scientific, and policy maker** communities.

4 Learning Analytics - Daten und Digitale Traces zum Lernen (Graz, Austria, 17th April 2018)

Description:

Know-Center organised the Learning Analytics - Daten und Digitale Traces zum Lernen, a Learning 4.0 event where Know-Center presented the first results of two EU projects including the MOVING project.

<http://www.know-center.tugraz.at/data-driven-future-forum-know-center-berichtet-ueber-resultate-zweier-eu-projekte/>

MOVING role:

Dr. Angela Fessl from KC, presented the MOVING platform including the two widgets for providing adaptive training support. Her presentation included not only how meaningful reflection guidance can be applied in order to motivate people to improve their own search behaviour, but also how guidance can be provided to follow a pre-defined learning path through a curriculum to improve the own competence on information literacy.

Title of paper and/or presentation (Presenter):

“Learning Analytics for Reflective Learning” (A. Fessler, KC).

Impact assessment:

In the event ~25 people participated from the **industry/innovator** and the **scientific** communities and the discussions were very fruitful and vital, showing that the people from these communities are very interested in the topic of learning analytics.

5 Mobile Learning Week 19 (Paris, France, 4th -8th March 2019)

Description:

UNESCO’s Mobile Learning Week 2019 focused on Artificial Intelligence and sustainable development. Held annually at UNESCO Headquarters in Paris, the event convenes education and technology experts from around the world.

<https://en.unesco.org/mlw>

MOVING role:

JSI organised a workshop session where different active JSI projects were presented, also the MOVING. The dissemination of results was accompanied with MOVING leaflet distribution.

Title of paper and/or presentation (Presenter):

“Artificial Intelligence and Frontier Technologies for OER”¹⁶ (M. Jermol and D. Orlic, JSI).

Impact assessment:

Mobile week gathered 1,500 participants from 130 countries - educational community, governments and policy makers. The organised workshop, where the MOVING platform results were presented, gathered ~25 policy makers and educators. The event was mostly related to **policy makers**, and **scientific** communities.

3.2.5 Interviews

On 18th of January 2019 Sabine Barthold and Franziska Günther from TUD gave an interview in GenerationR¹⁷ the online magazine of the TIB - German National Library of Science and Technology, Hannover, Germany. The title of the interview was “Redistributing the Future: An Interview with MOVING MOOC Makers Sabine Barthold and Franziska Günther”¹⁸ where MOVING partners discussed on the Open Science in education, and presented the MOVING platform and the MOVING MOOC Science 2.0, alongside with other open research methods. The magazine is mostly responding to the **scientific** community and more specifically to the European Open Science community.

¹⁶https://en.unesco.org/sites/default/files/mlw2019-workshop-ai_and_frontier_technologies_for_oer.pdf (last accessed on 26-03-2019)

¹⁷<https://genr.eu> (last accessed on 26-03-2019)

¹⁸<https://genr.eu/wp/redistributing-the-future/> (last accessed on 26-03-2019)

3.3 Dissemination-only activities

3.3.1 MOVING information days

UNESCO Open Education Design Course

The UNESCO Chair on Open Technologies for Open Educational Resources and Open Learning at the Jožef Stefan Institute and University of Nova Gorica organised a 5-day course on Open Education Design¹⁹ in Lanthieri Mansion in Vipava, Slovenia (2nd - 6th of July 2018). The aim of the course was to equip the participants with basic knowledge, practical advice and hands-on experience to prepare them for their own design of Open Educational Resources (OER). Lecturers and participants came from 17 countries (Slovenia, Brazil, Fiji, France, Greece, India, Italy, South Africa, Canada, Kenya, North Macedonia, Malaysia, Malta, Germany, Uzbekistan, United Kingdom and USA). MOVING project partners Vasileios Mezaris from CERTH, Iacopo Vagliano from ZBW and Tanja Zdolsek Draksler from JSI presented and showcased the MOVING platform in the “Platforms and tools for open education design” session. Furthermore, during the session several participants registered into the platform. The session was filmed and published at VideoLectures.NET²⁰. In overall the project partners actively contributed to dissemination and exploitation of the MOVING project results by gathering ~30 participants from the open education domains. The session was mostly related to the **general public** and **scientific** communities.



Figure 21 : Iacopo Vagliano presenting the MOVING platform.

¹⁹ <https://unesco.ijs.si/event/open-education-design/> (last accessed on 26-03-2019)

²⁰ http://videolectures.net/educationdesign2018_mezaris_vagliano_oe_design/ (last accessed on 26-03-2019)



Figure 22 : Group photo from the UNESCO workshop.

3.3.2 MOVING user days

Innovation@EY workshop

In the project's third year Dr. Michael Wiese from EY conducted a MOVING workshop (on March 2019) with the GSA Innovation@EY team, a cross-service line and cross-functional initiative supported by the EY GSA leadership, where he demonstrated the MOVING platform. The team consists of 30 professionals who have innovation roles in their respective service lines. This leading management group can reach the targeted users of the platform further on. The MOVING platform will be used purposefully to improve their open innovation skills and expand the open innovation culture within EY. The workshop session included a presentation of the main functionalities of the MOVING platform and a hands-on demonstration that was structured by the final curriculum for public administrators (as discussed in D2.3). This event was related to the **industry/innovators** community.

MOVING MOOC

The aim of the MOVING MOOC was twofold, to build a community of practice on the MOVING platform for sharing ideas, discussing findings and collaborating with each other, and at the same time to serve as a means for the project dissemination. In order to train young researchers for the second use case of MOVING, TUD implemented the "MOVING MOOC: Science 2.0 and open research methods" in the platform, with the goal to develop a course that gives them the opportunity to acquire academic information literacy along the principles of Open Science through the MOVING platform. MOVING MOOC is a 4-week online course on the MOVING platform and was conducted twice during the project lifetime. The MOVING MOOC was disseminated mainly via social media by creating: a) the @MoMoSci20 already mentioned in Section 3.1.2, b) a teaser for the MOOC (the teaser was produced at the Media Center of TU Dresden), c) flyers, posters, and press releases. More details on the MOVING MOOC can be found in deliverable D2.3 in Section 4.3. The MOOC gathered ~450 young researchers in both rounds coming from different countries around the world and

contributed in the community building of the platform. The MOOC is mostly related to the **scientific** and **general public** community.

Webinars on Open Science challenges and benefits for MOVING MOOC

After the 1st week the course gathered in an online live webinar to discuss chances and challenges of Open Science, where Open Science experts were invited. The guests were discussing the benefits and challenges of open research based on the discussion forum in the MOOC and answered questions from the participants (1st round: 20 participants; 2nd round: 50 participants). In the first round Dr. Jon Tennant (Imperial College London) joined the webinar and in the second round Dr. Bianca Kramer (Utrecht University) was invited as an Open Science expert. The webinars were recorded²¹²² and added to the learning material of the MOOC and can be used as learning resource for future learners.²³

3.3.3 Scientific publications

The MOVING consortium produced 20 scientific publications that were presented /published at 16 conferences and workshops as well as in 4 journals. As a result of these presentations of scientific results in conferences and workshops, MOVING was disseminated to an audience of approximately 1300 attendees. More details regarding these events can be found in Table 5 below.

Table 5: MOVING scientific publications.

<i>Journal publications</i>	
1	Multimedia Tools and Applications
Description: Multimedia Tools and Applications publishes original research articles on multimedia development and system support tools as well as case studies of multimedia applications. It also features experimental and survey articles. The journal is intended for academics, practitioners, scientists and engineers who are involved in multimedia system research, design and applications. All papers are peer reviewed. https://link.springer.com/journal/11042	
MOVING role: ZBW presented an extensive study and a comparative evaluation of different approaches for extracting text from scholarly figures. The quality of the extraction results was assessed using F-measure and Levenshtein distance.	

²¹ <https://webconf.vc.dfn.de/pdiagnan4yt7/> (last accessed on 26-03-2019)

²² <https://webconf.vc.dfn.de/p4hso13jhl8p/> (last accessed on 26-03-2019)

²³ This section was taken from the report in deliverable D2.3.

Title of paper (Authors): “Survey and empirical comparison of different approaches for text extraction from scholarly figures, Multimedia Tools and Applications” ²⁴ (F. Bösch, T. Beck, A. Scherp).	
Impact assessment: The journal has impact factor, equal to 1.541.	
2	IEEE MultiMedia
Description: IEEE MultiMedia contains technical information covering a broad range of issues in multimedia systems and applications. The primary goal of the magazine is to provide a forum for researchers and practitioners to present new findings and discuss experiences with multimedia systems and applications. In addition, the magazine keeps readers informed of the state of the art in the multimedia arena, including technical trends and research directions. https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=93	
MOVING role: MOVING consortium presented the MOVING platform and the open innovation processes.	
Title of paper (Authors): “Open Innovation in the Big Data Era with the MOVING Platform: An Integrated Working and Training Approach for Data-savvy Information Professionals” ²⁵ (I. Vagliano, F. Guenther, M. Heinz, A. Apaolaza, I. Bienia, G. Breitfuss, T. Blume, C. Collyda, A. Fessler, S. Gottfried, P. Hasitschka, J. Kellermann, T. Koehler, A. Maas, V. Mezaris, A. Saleh, A. Skulimowski, S. Thalmann, M. Vigo, A. Wertner, M. Wiese, A. Scherp).	
The journal has impact factor, equal to 1.898.	
3	IEEE Transactions on Pattern Analysis and Machine Intelligence
Description: IEEE Transactions on Pattern Analysis and Machine Intelligence publishes articles on all traditional areas of computer vision and image understanding, all traditional areas of pattern analysis and recognition, and selected areas of machine intelligence, with a particular emphasis on machine learning for pattern analysis. https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=34	
MOVING role: CERTH proposes a maximum margin classifier that deals with uncertainty in data input. More specifically, the approach reformulate the SVM framework such that each training example can be	

²⁴ <https://doi.org/10.1007/s11042-018-6162-7> (last accessed on 26-03-2019)

²⁵ <https://ieeexplore.ieee.org/document/8494800> (last accessed on 26-03-2019)

modelled by a multi-dimensional Gaussian distribution described by its mean vector and its covariance matrix.

The software of the proposed classifier is available at <https://github.com/chi0tzip/svm-gsu>.

Title of paper (Authors):

“Linear Maximum Margin Classifier for Learning from Uncertain Data”²⁶ (C. Tzelepis, V. Mezaris, I. Patras)

Impact assessment:

The journal has one of the highest impact factors, equal to 9.455.

4 Image and Vision Computing Journal

Description:

Image and Vision Computing aims the provision of high quality theoretical and applied research fundamental to all aspects of image interpretation and computer vision. The journal publishes work that proposes new image interpretation and computer vision methodology or addresses the application of such methods to real world scenes.

<https://www.journals.elsevier.com/image-and-vision-computing>

MOVING role:

CERTH presented a novel Support Vector Machine (SVM) based Deep Specific Recognition Model (DeepSRM) that is learned based on a generic recognition model.

Title of paper (Authors):

“A Deep Generic to Specific Recognition Model for Group Membership Analysis using Non-verbal Cues”²⁷ (W. Mou, C. Tzelepis, V. Mezaris, H. Gunes, I. Patras).

Impact assessment:

The journal has impact factor, equal to 2.159.

Paper presentations in scientific events

1 GI-Workshop Grundlagen von Datenbanken (North Rhine-Westphalia, Germany ,22nd - 25th May 2018)

Description:

The GI Workshop is supported by the Gesellschaft für Informatik (GI) and is organised by the GI Working Group on Information Systems in the Department of Databases and Information Systems (DBIS) and focuses on the theoretical, conceptual and methodological foundations of databases and information systems.

²⁶ <http://ieeexplore.ieee.org/document/8103808/> (last accessed on 26-03-2019)

²⁷ <https://doi.org/10.1016/j.imavis.2018.09.005> (last accessed on 26-03-2019)

<https://dbs.cs.uni-duesseldorf.de/gvdb2018/>

MOVING role:

Till Blume from ZBW presented the paper “Towards Flexible Indices for Distributed Graph Data: The Formal Schema-level Index Model FLuID” where he discussed how FLuID enables to efficiently implement, compare, and validate variants of schema-level indices in order to develop tailored for solutions for application scenarios, e.g., to integrate the Web of Data in the MOVING platform.

Title of paper (Authors):

“Towards Flexible Indices for Distributed Graph Data: The Formal Schema-level Index Model FLuID”²⁸
(T. Blume, A. Scherp).

Impact assessment:

The workshop gathered ~30 young scientists and researchers from German-speaking countries who are interested in databases and information systems. The workshop was related to the **scientific** community.

2 **ACM/IEEE Joint Conference on Digital Libraries (JCDL 2018)**, (Texas, USA, 3rd-6th June 2018)

Description:

ACM/IEEE Joint Conference on Digital Libraries 2018 is mostly related to scientific communities from diverse domains such as data science/analytics, data curation/stewardship, information retrieval, human-computer interaction, hypertext (and Web/network science), multimedia, publishing, preservation, digital humanities, machine learning/AI, heritage/culture, health/medicine, policy, law, and privacy/intellectual property.

<https://2018.jcdl.org/>

MOVING role:

MOVING successfully participated with two full research papers in the conference. More specifically, Florian Mai from ZBW presented the full paper “Using Deep Learning for Title-Based Semantic Subject Indexing to Reach Competitive Performance to Full-Text” on Tuesday, June 5, in the session on text collections.

²⁸ <https://doi.org/10.5281/zenodo.1309216> (last accessed on 26-03-2019)



Figure 23: Florian Mai presents the MOVING paper (image available from [Twitter](#)).

Florian's talk showed that for scientific digital libraries automatic subject indexing methods based on the title of a publication can be as good as or even better than the full-text-based methods by leveraging the surplus of data available to train powerful neural network models. Using titles only is important as this information is usually freely available while full-text may be subject to license.

Tobias Backes from GESIS presented the full paper "Effective Unsupervised Author Disambiguation with Relative Frequencies" on Tuesday, June 5, in the session on exploring and analysing collections. Tobias's talk presented the problem of author name homonymy in the Web of Science and introduced a novel probabilistic similarity measure for author name disambiguation based on feature overlap.

Title of paper (Authors):

"Using Deep Learning for Title-Based Semantic Subject Indexing to Reach Competitive Performance to Full-Text"²⁹ (F. Mai, L. Galke, A. Scherp).

"Effective Unsupervised Author Disambiguation with Relative Frequencies"³⁰ (T. Backes).

Impact assessment:

JCDL is the top conference for research on digital libraries and gathered 200 participants from 25 different countries, including experts from information science, computer science, and the humanities. Each MOVING presentation attracted more than 50 participants. The conference is mostly related to the **scientific** community.

3 15th Extended Semantic Web Conference (ESWC 2018) (Crete, Greece, 3rd – 7th June 2018)

Description:

ESWC is a major venue for discussing the latest scientific results and technology innovations around semantic web and semantic technologies in general.

<https://2018.eswc-conferences.org/>

²⁹ <https://dl.acm.org/citation.cfm?id=3197039> (last accessed on 26-03-2019)

³⁰ <https://dl.acm.org/citation.cfm?doid=3197026.3197036> (last accessed on 26-03-2019)

MOVING role:

Mohammad Abdel-Qader from ZBW presented the MOVING paper “Analyzing the Evolution of Vocabulary Terms and their Impact on the LOD Cloud” in the research track. The paper studies the impact of vocabulary change on the knowledge graphs (KGs). Some experiments are conducted on three large-scale KGs: the Billion Triples Challenge³¹ (BTC) datasets, the Dynamic Linked Data Observatory³² (DyLDO) dataset, and Wikidata³³. The results show that the change frequency of terms is rather low, but can have a high impact due to a large amount of distributed graph data on the web. Furthermore, most of the newly coined terms are adopted immediately afterward. The talk included many results related to the change, use, and adoption of vocabulary terms.

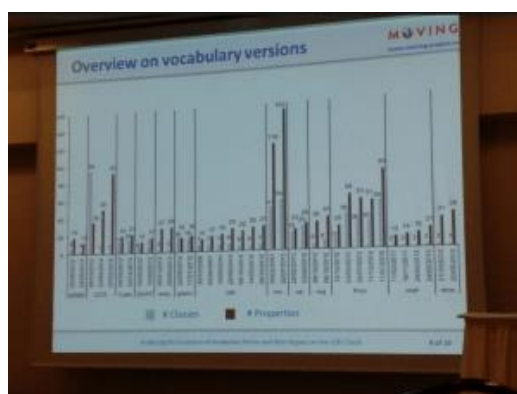


Figure 24: The MOVING paper presentation at ESWC (image from [Twitter](#)).

Title of paper (Authors):

“Analyzing the Evolution of Vocabulary Terms and their Impact on the LOD Cloud”³⁴ (M. Abdel-Qader, A. Scherp, I. Vagliano).

Impact assessment:

The conference gathered ~250 researchers and practitioners in semantic web technologies from different countries around the world and it was mostly related to the **scientific** community. The MOVING paper was presented in front of ~25 researchers and practitioners.

4 FTA 2018 – Future oriented- technology analysis 2018 (Brussels, Belgium, 4th-5th June 2018)

Description:

FTA’2018 – Future-oriented technology analysis 2018 – “Future in the making” is the European’s Commission flagship conference. The conference is addressing future-oriented technology analysis (FTA), i.e. (strategic) foresight, forecasting, technology assessment and related areas. The FTA2018 conference also deals with areas complementing policy support, especially those that introduce

³¹ <http://km.aifb.kit.edu/projects/btc-2014/> (last accessed on 26-03-2019)

³² <http://km.aifb.kit.edu/projects/dyldo/> (last accessed on 26-03-2019)

³³ https://www.wikidata.org/wiki/Wikidata:Main_Page (last accessed on 26-03-2019)

³⁴ https://doi.org/10.1007/978-3-319-93417-4_1 (last accessed on 26-03-2019)

innovation in the process of policy development and implementation: design for policy, behavioural insights, science and technology studies, and complexity approaches.

<https://ec.europa.eu/jrc/en/fta2018/background>

MOVING role:

The MOVING strategy building background was presented at the event. The talk entitled: “Strategy building for a knowledge repository with a novel expert information fusion tool” was given by Professor Dr. Andrzej M.J. Skulimowski from PBF on 5th June in the session C2 “Horizon Scanning & Beyond”. The conference was organised by the European Commission – DG JRC. The presentation focused on the project’s innovative approach to the MOVING platform’s visionary planning, the application of novel online tools such as the expert Delphi survey support system, anticipatory networks, and technological roadmapping. The talk included also an overview of a novel approach to ensure the sustainability of the MOVING digital knowledge platform. It provided an insight to the methodology of multicriteria platform exploitation assessment developed within the project. The ultimate goal of strategic planning was to select a development strategy ensuring the viability and sustainable exploitation of the MOVING platform during the project durability period and beyond.



Figure 25: Group photo from the FTA2018 event.

Title of paper (Authors):

“Strategy building for a knowledge repository with a novel expert information fusion tool”³⁵ (A. M.J. Skulimowski, PBF).

Impact assessment:

The audience was over 300 top experts in technology foresight, technology and policy assessment and strategic planning and brought together practitioners, academics, and policymakers who are interested in finding more effective ways to reach long-term policy goals. The event was mostly related to the **policy makers**, and the **scientific** communities.

5 **5th Annual ACM Conference on Learning at Scale (L@S)** (London, UK, 26th – 28th June 2018)

Description:

³⁵ <https://ec.europa.eu/jrc/sites/jrcsh/files/fta2018-paper-c2-skulimowski.pdf> (last accessed on 26-03-2019)

The ACM Conference on Learning at Scale 2018 investigates the scientific exchange of interdisciplinary research at the intersection of the learning sciences (in large-scale, technology-mediated learning environments) and computer science and is inspired by the emergence of Massive Open Online Courses (MOOCs) and the accompanying huge shift in thinking about education.

<https://learningatscale.acm.org/las2018/>

MOVING role:

Dr. Victoria Pammer-Schindler from KC presented the paper “Virtualizing face-2-face trainings for training senior professionals: A Comparative Case Study on Financial Auditors” where she discussed a comparative case study that investigates the differences between traditional face-2-face trainings in physical reality, and virtual trainings via WebEx.

Title of paper (Authors):

“Virtualizing face-2-face trainings for training senior professionals: A Comparative Case Study on Financial Auditors”³⁶ (V. Pammer-Schindler, S. Thalmann, A. Fessler, J. Füssel).

Impact assessment:

The presentation gathered ~30 researchers interested in learning and computer sciences and it was mostly related to the **scientific** community.

6	26th User Modeling, Adaptation and Personalization 2018 (UMAP 2018) (Nanyang, Singapore, 8 th – 11 th July 2018)
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Description:

UMAP – User Modelling, Adaptation and Personalization – is the premier international conference for researchers and practitioners working on systems that adapt to individual users, to groups of users, and that collect, represent, and model user information. UMAP is the successor to the biennial User Modeling (UM) and Adaptive Hypermedia and Adaptive Web-based Systems (AH) conferences that were merged in 2009. It is sponsored by ACM SIGCHI and SIGWEB, and organised with User Modeling Inc. as the Steering Committee.

<http://www.um.org/umap2018/>

MOVING role:

Lukas Galke from ZBW presented multi-modal adversarial autoencoders for recommendation and evaluate them on two different tasks: citation recommendation and subject label recommendation. The paper was presented in the session “Personalized Recommender Systems III”.

³⁶ <https://dl.acm.org/citation.cfm?doid=3231644.3231695> (last accessed on 26-03-2019)



Figure 26: Lukas Galke presents the MOVING paper (image available from [Twitter](#)).

Title of paper (Authors):

“Multi-Modal Adversarial Autoencoders for Recommendations of Citations and Subject Labels”³⁷ (L. Galke, F. Mai, I. Vagliano, A. Scherp)

Impact assessment:

The conference gathered 137 researchers and practitioners interested in the user modelling, adaptation and personalisation systems, while the MOVING paper was presented in ~30 participants. The conference was related to the **scientific** community.

7 **Learning, Knowledge, Data, Analytics Conference (LWDA 2018)** (Mannheim, Germany, 22nd – 24th August 2018)

Description:

LWDA conference covers recent research in areas such as knowledge discovery, machine learning and data mining, knowledge management, database management and information systems, and information retrieval. The LWDA conference brings together various special interest groups of the Gesellschaft für Informatik (German Computer Science Society). The LWDA 2018 conference was organised by the University of Mannheim.

<https://www.uni-mannheim.de/lwda-2018/>

MOVING role:

Till Blume from ZBW presented the paper “Towards an Incremental Schema-level Index for Distributed Linked Open Data Graphs” and discussed the implementation of the impact of incremental schema-level index computations for the MOVING search scenario.

³⁷ <https://dl.acm.org/citation.cfm?id=3209236> (last accessed on 26-03-2019)

Towards an Incremental Schema-level Index for Distributed Linked Open Data Graphs

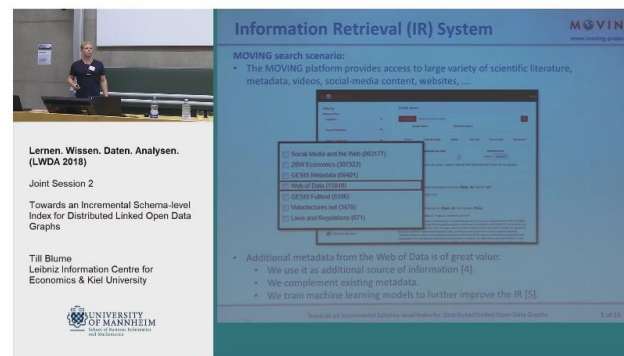


Figure 27: Till Blume presenting the MOVING paper (print screen from the video that is uploaded in the conference site³⁸).

Title of paper (Authors):

“Towards an Incremental Schema-level Index for Distributed Linked Open Data Graphs”³⁹ (T. Blume, A. Scherp).

Impact assessment:

The session gathered ~120 researchers interested in the knowledge discovery and machine learning technologies and it was mostly related to the **scientific** community.

8 RecSys Challenge Workshop 2018 – colocated with the 12th ACM Conference on Recommender Systems (RecSys 2018) (Vancouver, Canada, 7th October 2018)

Description:

The ACM Recommender Systems conference (RecSys) is the premier international forum for the presentation of new research results, systems and techniques in the broad field of recommender systems. RecSys organised by Spotify, the University of Massachusetts, and Johannes Kepler University. The REcSys Challenge workshop focused on music recommendation, specifically the challenge of automatic playlist continuation.

<https://recsys.acm.org/recsys18/>

MOVING role:

Iacopo Vagliano from ZBW presented the paper “Using Adversarial Autoencoders for Multi-Modal Automatic Playlist Continuation” at the RecSys Challenge Workshop 2018. The work by Iacopo Vagliano, Lukas Galke, Florian Mai and Ansgar Scherp shows that the technique used to suggest citations developed in the project can be also effective to automatically continue musical playlists.

³⁸ <https://www.uni-mannheim.de/lwda-2018/videos/joint-session-2/#c90617> (last accessed on 26-03-2019)

³⁹ <http://ceur-ws.org/Vol-2191/paper7.pdf> (last accessed on 26-03-2019)



Figure 28: Iacopo Vagliano presenting the MOVING paper.

Title of paper (Authors):

“Using Adversarial Autoencoders for Multi-Modal Automatic Playlist Continuation”⁴⁰ (I. Vagliano, L. Galke, F. Mai, A. Scherp).

Impact assessment:

The workshop was co-located with the 12th ACM conference on Recommender Systems, which gathered 800 participants from 40 countries. The event had a high participation from industry, which accounted for the 73% of the attendees. As the ACM Recommender System Challenge 2018 was co-organised by Spotify, it also included a good number of industrial participants and was an occasion for disseminating the project results not only to academic researchers. The presentation gathered ~20 participants. The workshop was mostly related to the **industry/innovators** and the **scientific** communities.

9	15th International Workshop on Technologies for Information Retrieval in conjunction with DEXA 2018 (TIR 2018) (Regensburg, Germany, 3 rd - 6 th September 2018)
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Description:

The TIR workshop provides a platform for presenting and discussing new solutions, novel ideas, or specific tools for future retrieval systems in different research areas, such as machine learning, (big) data mining, natural language processing, artificial intelligence, user interaction and modeling, and in web engineering. The workshop was held in conjunction with four other conferences and two other workshops at the 29th DEXA Conferences and Workshops, a conference on Database and Expert Systems Applications.

<https://webis.de/tir/tir-18/>

MOVING role:

The MOVING contribution of a) Tilman Beck, Falk Bösch, and Ansgar Scherp on “What to read next? Challenges and Preliminary Results in Selecting Representative Documents” and b) of Lukas

⁴⁰ <https://doi.org/10.1145/3267471.3267476> (last accessed on 26-03-2019)

Galke, Gunnar Gerstenkorn, Ansgar Scherp on “A Case Study of Closed-Domain Response Suggestion with Limited Training Data” were among the accepted papers of the TIR 2018 workshop and have been successfully presented by Tilman Beck, and Gunnar Gerstenkorn, in the session “Social Networks and the Web”, respectively.

Title of paper (Authors):

“What to Read Next? Challenges and Preliminary Results in Selecting Representative Documents”⁴¹ (T. Beck, F. Bösch, A. Scherp).

“A Case Study of Closed-Domain Response Suggestion with Limited Training Data”⁴² (L. Galke, G. Gerstenkorn, A. Scherp).

Impact assessment:

The presentations gathered ~40 developers, scientists, and users that extensively discussed requirements, problems, and various solutions in database, information, and knowledge systems. The workshop is mostly related to the **scientific** community.

10 **Analytics for Everyday Learning Workshop (AFEL) - co-located with EC-TEL 2018** (Leeds, UK, 4th September 2018)

Description:

AFEL workshop aims at bringing together researchers, practitioners, educational developers, entrepreneurs and policy makers from different backgrounds to provide a forum for discussion the multi-faceted area of analytics for everyday learning.

<http://www.ec-tel.eu/index.php?id=918>

MOVING role:

MOVING participated to the workshop by presenting three papers. More specifically: a) the paper “Digging for Gold: Motivating Users to Explore Alternative Search Interfaces” by Angela Fessler, Alfred Wertner and Viktoria Pammer-Schindler was presented as demo for the EC-TEL in the “Demo Pitch” Session, and b) the paper “Challenges in Developing Automatic Learning Guidance in Relation to an Information Literacy Curriculum” by Angela Fessler, Alfred Wertner and Viktoria Pammer-Schindler was presented as workshop paper for the Analytics for Everyday Learning (AFEL) Workshop. The paper presented by Angela Fessler from KC, who is together with Stefan Thalmann also from KC and organiser of the workshop as a whole and c) the paper “Inferring Knowledge Acquisition through WebNavigation Behaviour” by He Yu was presented as paper in the doctoral consortium⁴³.

⁴¹ https://doi.org/10.1007/978-3-319-99133-7_19 (last accessed on 26-03-2019)

⁴² http://doi.org/10.1007/978-3-319-99133-7_18 (last accessed on 26-03-2019)

⁴³ http://www.ec-tel.eu/fileadmin/EC-TEL-2018/ECTEL_2018_Doctoral_Consortium_Programme.pdf (last accessed on 26-03-2019)

Title of paper (Authors): “Digging for Gold: Motivating Users to Explore Alternative Search Interfaces” ⁴⁴ (A. Fessler, A. Wertner, V. Pammer-Schindler). “Challenges in Developing Automatic Learning Guidance in Relation to an Information Literacy Curriculum” ⁴⁵ (A. Fessler, A. Wertner, V. Pammer-Schindler). “Inferring Knowledge Acquisition through WebNavigation Behaviour” ⁴⁶ (He Yu, UMAN).	
Impact assessment: The conference gathered ~20 researchers and practitioners in the field of technology enhanced learning, and it was related mostly to the scientific , and industry/innovators community.	
11	27th ACM International Conference on Information and Knowledge Management 2018 (CIKM 2018) (Turin, Italy, 22 nd – 26 th October 2018)
Description: The CIKM conference highlights technologies and insights that materialise the Big Data, Big Information and Big Knowledge vision of the future. The conference brings together leading researchers and developers from the knowledge management, information retrieval, and database communities. It is a flagship conference in the area of information and knowledge processing and management. http://www.cikm2018.units.it/	
MOVING role: Tobias Backes from GESIS presented the paper “The Impact of Name-Matching and Blocking on Author Disambiguation” in “Session 5D: Similarity 1” where he addressed the problem of blocking in the context of author name disambiguation, a framework that is used in the MOVING.	
Title of paper (Authors): “The Impact of Name-Matching and Blocking on Author Disambiguation” ⁴⁷ (T. Backes).	
Impact assessment: The presentation gathered 25 researchers and developers from the knowledge management, information retrieval, and database domains and is related to the scientific community.	
12	Communities in New Media (GeNeMe 2018) (Dresden, Germany, 24 th -26 th October 2018)
Description: The conference presents innovative technologies and processes for the organisation, cooperation	

⁴⁴ https://link.springer.com/chapter/10.1007/978-3-319-98572-5_62 (last accessed on 26-03-2019)

⁴⁵ <http://ceur-ws.org/Vol-2209/paper2.pdf> (last accessed on 26-03-2019)

⁴⁶ http://ceur-ws.org/Vol-2294/DCECTEL2018_paper_24.pdf (last accessed on 26-03-2019)

⁴⁷ <https://dl.acm.org/citation.cfm?id=3271699> (last accessed on 26-03-2019)

and communication in virtual communities and is a forum for professional exchange especially in the fields of knowledge management and online learning.

www.geneme.de

MOVING role:

Sabine Barthold from TUD presented a paper on the MOVING MOOC and other open research methods.

Also Professor Dr. Thomas Köhler gave a presentation on the “Communities in New Media Conference Series. Over 20 years of Research about Knowledge Communities in Science, Business, Education, Public Administration and beyond”, where he presented MOVING.

Title of paper (Authors):

“Wissenschaft 2.0 und offene Forschungsmethoden vermitteln: Der MOOC Science 2.0 and open research methods”⁴⁸ (S. Barthold, and F. Günther).

“Communities in New Media Conference Series. Over 20 years of Research about Knowledge Communities in Science, Business, Education, Public Administration and beyond” (T. Köhler, E. Schoop, and N. Kahnwald).

Impact assessment:

The conference gathered ~200 researchers and practitioners in education technologies, and it was related mostly to the **industry/innovators** and **scientific** community.

13	TREC Video Retrieval Evaluation workshop (TRECVID) (Gaithersburg, MD, USA 13 th – 15 th November 2018)
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Description:

The TREC Video Retrieval Evaluation (TRECVID) meetings are an on-going series of workshops focusing on a list of different information retrieval (IR) research areas in content-based retrieval and exploitation of digital video. TRECVID is co-sponsored by the National Institute of Standards and Technology (NIST) and other US government agencies. Various participating research groups make significant contributions. The goal of the workshops is to encourage research in content-based video retrieval and analysis by providing large test collections, realistic system tasks, uniform scoring procedures, and a forum for organisations interested in comparing their results.

<http://trecvid.nist.gov/>

MOVING role:

CERTH participated to the Ad-hoc Video Search (AVS), Instance Search (INS) and Activities in Extended Video (ActEV) tasks, in order to evaluate existing techniques and algorithms. These tasks are basically targeted to advance the state-of-the-art in large-scale video/image retrieval. CERTH

⁴⁸ <https://zenodo.org/record/2542818#.XJCYQqBS9hE> (last accessed on 26-03-2019)

submitted the benchmarking results, they have been evaluated and summarised them in the paper “ITI-CERTH participation in TRECVID 2018” that was presented to the TRECVID meeting.

Title of paper (Authors):

“ITI-CERTH participation in TRECVID 2018”⁴⁹ (K. Avgerinakis, A. Moutzidou, D. Galanopoulos, G. Orfanidis, S. Andreadis, F. Markatopoulou, E. Batziou, K. Ioannidis, S. Vrochidis, V. Mezaris, I. Kompatsiaris).

Impact assessment:

The conference is made up a varied, international group of researchers and developers. TRECVID 2018 composed of more than 50 teams from Europe, the Americas, Asia, and Australia and attended by ~400 researchers. This activity is related mostly to the **scientific** communities.

14 IEEE International Conference on Data Mining (ICDM 2018) (Sentosa Island, Singapore, 17th - 19th November 2018)

Description:

IEEE ICDM is the world’s premier research conference in data mining.

<http://icdm2018.org/>

MOVING role:

Ahmed Saleh from ZBW presented in the PhD forum⁵⁰ the paper “Attend2trend: Attention Model for Real-Time Detecting and Forecasting of Trending Topics” where he presented a deep learning model architecture for trending detection and forecasting.

Title of paper (Authors):

“Attend2trend: Attention Model for Real-Time Detecting and Forecasting of Trending Topics”⁵¹ (A. Saleh, A. Scherp)

Impact assessment:

The session gathered ~25 participants interested in various data mining domains and it was related to the **scientific** community.

15 20th International Conference on Asia-Pacific Digital Libraries (ICADL 2018) (Hamilton, New Zealand, 19th -22nd November 2018)

Description:

ICADL is one of the premier international conferences for digital library research.

⁴⁹ https://www-nlpir.nist.gov/projects/tvpubs/tv18.papers/iti_certh.pdf (last accessed on 26-03-2019)

⁵⁰ <http://research.nii.ac.jp/~yiyu/icdm/icdm/ICDM%20PhD%20Forum%202018.htm> (last accessed on 26-03-2019)

⁵¹ <https://www.slideshare.net/AhmedSaleh162/attend2trend-attention-model-for-realtime-detecting-and-forecasting-of-trending-topics> (last accessed on 26-03-2019)

<https://icadl2018.org/>

MOVING role:

Ahmed Saleh from ZBW presented the paper “Performance Comparison of Ad-Hoc Retrieval Models over Full-Text vs. Titles of Documents” in the “Session 6: Information needs and system design” where he discussed a comparison study of different retrieval full-text retrieval models vs. retrieval models only over the titles of documents.

Title of paper (Authors):

“Performance Comparison of Ad-Hoc Retrieval Models over Full-Text vs. Titles of Documents”⁵² (A. Saleh, T. Beck, L. Galke, A. Scherp).

Impact assessment:

The session gathered ~25 researchers and practitioners interested in digital libraries and it was related to the **scientific** community.

16 5th International Conference on MultiMedia Modeling (MMM 2019) (Thessaloniki, Greece, 8th - 11th January 2019)

Description:

MMM is a leading international conference for sharing new ideas, original research results and practical development experiences from all multimedia modelling related areas. Many of the lectures delivered at MMM 2019 have been recorded by VideoLectures.net⁵³, and are available online.

<http://mmm2019.itl.gr/>

MOVING role:

The MOVING platform and its technologies were presented in the conference with three papers. More specifically, a) the paper “Temporal Lecture Video Fragmentation using Word Embeddings” presented as a poster by Damianos Galanopoulos in the poster session “Poster Session 2: Posters and Demos”, b) the paper “Training Researchers with the MOVING Platform” was presented as demo by Iacopo Vagliano again in the same session, and c) the paper “VERGE in VBS 2019” was presented as paper in the “Video Browser Showdown” session by Stelios Andreadis.

Title of paper (Authors):

“Temporal Lecture Video Fragmentation using Word Embeddings”⁵⁴ (D. Galanopoulos, V. Mezaris)
 “VERGE in VBS 2019”⁵⁵ (S. Andreadis, A. Mourtzidou, D. Galanopoulos, F. Markatopoulou, K. Apostolidis, T. Mavropoulos, I. Gialampoukidis, S. Vrochidis, V. Mezaris, I. Kompatsiaris, I. Patras)

⁵² https://doi.org/10.1007/978-3-030-04257-8_30 (last accessed on 26-03-2019)

⁵³ http://videlectures.net/multimediamodeling2019_thessaloniki (last accessed on 26-03-2019)

⁵⁴ https://doi.org/10.1007/978-3-030-05716-9_21 (last accessed on 26-03-2019)

⁵⁵ https://doi.org/10.1007/978-3-030-05716-9_53 (last accessed on 26-03-2019)

“Training Researchers with the MOVING Platform”⁵⁶ (I. Vagliano, A. Fessler, F. Günther, T. Köhler, V. Mezaris, A. Saleh, A. Scherp, I. Simic)

Impact assessment:

The conference gathered ~170 researchers and industry practitioners from all multimedia-related areas and it was related to the **scientific** and **industry/innovators** communities.

3.3.4 Invited talks

MOVING was also invited in 9 events where the consortium partners gave presentations about the MOVING project and its technologies. MOVING was disseminated to an audience of approximately 810 attendees. More details regarding these events can be found in Table 6 below.

Table 6: MOVING invited talks.

1	Tendenzen der Entwicklung von Anforderungen an die Fachkräfte in vernetzten Arbeitsumgebungen (Leipzig, Germany, 20 th June 2018)
<p>Description:</p> <p>Alumni Network Meeting of two international Master programmes SEPT (University of Leipzig) and VocEd (TU Dresden university) with Support of the DAAD.</p>	
<p>MOVING role:</p> <p>Professor Dr. Thomas Köhler from TUD was invited and gave a presentation on the “Personnel development for networked working environment in the area of tension between vocational and academic education”. Among others he presented the MOVING platform and its technologies.</p>	
<p>Title of presentation (Presenter):</p> <p>“Personnel development for networked working environment in the area of tension between vocational and academic education” (T. Köhler, TUD).</p>	
<p>Impact assessment:</p> <p>The audience of 120 Alumni of both the international Master programme “SEPT - Small and Medium Enterprise Promotion and Training” of University of Leipzig and “VocEd - Vocational Education and Personnel Capacity Building” of TU Dresden university consisted of Higher Education and Vocational Education specialists from more than 25 countries who are usually having senior positions in industry, higher education and public administration and in the areas of human resource development and related research fields. The meeting was related mostly to the scientific, industry/innovators and policy makers community</p>	
2	International Workshop of Jiangsu Normal University (Xuzhou, China 10 th September 2018)

⁵⁶ https://doi.org/10.1007/978-3-030-05716-9_46 (last accessed on 26-03-2019)

Description:

Invited lecture of international character with an audience of 200 students and staff of several BA and MA programmes of that Chinese university to learn about latest developments in several fields of digitising education and research in Europe.

MOVING role:

Professor Dr. Thomas Köhler from TUD was invited as a keynote speaker on “Changes in Higher Education through digitalization: towards a new normative”. Among others he presented the MOVING platform and its technologies.



Figure 29: Thomas Köhler presenting the MOVING technologies.

Title of presentation (Presenter):

“Changes in Higher Education through digitalization: towards a new normative” (T. Köhler, TUD).

Impact assessment:

The audience of 200 students and staff of several BA and MA programmes of that Chinese university did join an invited lecture of international character to learn about latest developments in several fields of digitising education and research in Europe. After the lecture a meeting with the dean and all chairs of the Department of TVET of Jiangsu Normal University took place. The event was related mostly to the **scientific** community.

3 DLR - Institute of Data Science (Jena, Germany, 26th September 2018)

Description:

DLR founded the Institute of Data Science in 2017 to transform 'Big Data' – complex, unstructured datasets – into 'Smart Data', from which conclusions can be drawn and recommendations for action derived. The Institute focuses on concepts for the management, integration and interdisciplinary analysis of very large datasets in the Industry 4.0, in the Internet of Things, in the IT security and other issues in the digital transformation process domains and combining different disciplines (e.g. aerospace, transport, energy, security).

https://www.dlr.de/dlr/en/desktopdefault.aspx/tabid-11065/1920_read-28865#/gallery/31383

MOVING role:

Till Blume for ZBW was invited by the DLR- Institute of Data Science, and gave a lecture (in English) in order to discuss approaches of integrating the Web of Data in modern information retrieval systems, in particular, how we integrate it in the MOVING platform.

Title of presentation (Presenter):

“Integrating the Web of Data in modern IR Systems” (T. Blume, ZBW).

Impact assessment:

The lecture gathered about 10 data scientists, and was related mostly to the **scientific** community.

4 Université de Strasbourg (Strasbourg, France, 5th-11th October 2018)**Description:**

The University of Strasbourg counts 42,000 students, offers initial and further education in a wide range of academic fields and is an international player in scientific research.

<http://www.en.unistra.fr>

MOVING role:

Professor Dr. Thomas Köhler from TUD was invited to present and test the MOVING platform (in English) with students of the Master programme “Sciences de l'éducation”⁵⁷.

Title of presentation (Presenter):

“MOVING platform presentation” (T. Köhler, TUD).

Impact assessment:

The presentation gathered 20 master students, and was related mostly to the **scientific** community.

5 University Bergen (Bergen, Norway, 15th- 19th October 2018)**Description:**

The University of Bergen (UiB) is an internationally recognised research university and the most cited university in Norway. There are seven faculties at UiB and there are a total of 16,900 students at the university. Around 1,880 of these are international students.

<https://www.uib.no>

⁵⁷ <https://espe.unistra.fr/offre-de-formation/masters/master-sciences-de-leducation/>

MOVING role:

Professor Dr. Thomas Köhler from TUD was invited to present the MOVING platform (in English) in the context of education and technology research training network and summer school⁵⁸ (more information under <https://bit.ly/eat2018-bergen>). The event was co-organised as workshop on Digitisation by TU Dresden, Uni Bergen, Uni Yogyakarta, PHD Linz, Uni Strasbourg: Structured International Graduate Programme “Education & Technology” with support of the Erasmus+ Programme and the French German University Programme.

Title of presentation (Presenter):

“MOVING platform presentation” (T. Köhler, TUD).

Impact assessment:

The presentation gathered 45 participants (doctoral scholars, post docs and senior researchers) from 11 countries and was mostly related to the **scientific** community.

- | | |
|----------|--|
| 6 | UNESCO Interregional Engineering Conference in Technology and Education - Global Benchmarking and Monitoring, Sustainable Growth from Engineering Perspective - UCTE 2018
(Kraków, Poland, 17 th -19 th December 2018) |
|----------|--|

Description:

The conference refers to the UNESCO's Engineering sciences programme and to the strategic programme objectives of the Medium-Term UNESCO Strategy 34 C/4 for 2014-2020 that will be subject of debates, especially: attaining quality education, mobilising science knowledge. The conference focuses on the mobilisation of science, technology and innovation for sustainable development and on the North - South and South - South cooperation, as well as capacity and capacity-building in engineering. UCTE aims to set up a global interregional platform of people working in engineering technology and education, connected with UNESCO's ideas and priorities for benchmarking and monitoring of the engineering education, technology progress and innovation dissemination.

http://www.unesco.agh.edu.pl/fileadmin/default/templates/css/j/unesco/system/marcin/Program_UCTE_v12.pdf

MOVING role:

Professor Dr. Andrzej M.J. Skulimowski from PBF was invited to give a lecture (in English) on “New methods of exploring the future of Technology” where he presented the MOVING platform survey.

Title of presentation (Presenter):

Lecture on “New methods of exploring the future of Technology” (A. M.J. Skulimowski, PBF).

⁵⁸ http://edu-tech.eu/uploads/Leaflet_2018.pdf (last accessed on 26-03-2019)

Impact assessment:

The event gathered ~60 UNESCO fellows from 25 countries around the world, researchers and university staff and was related to the **scientific** community.

7 Saxon State and University Library Dresden (Dresden, Germany, 24th January 2019)**Description:**

The Saxon State and University Library Dresden⁵⁹ (SLUB) is one of the largest research libraries in Germany. As a classical state library it archives and collects comprehensively publications on Saxony and publications published in Saxony. As university library of the Technische Universität Dresden it guarantees the information supply to a strong research university with an unusually wide range of subjects.

<https://www.slub-dresden.de/service/veranstaltungen/details/veranstaltung/show/13345/>

MOVING role:

Franziska Günther from TUD was invited to give a lecture (in German) on “Research Analytics” at SLUB. The lecture⁶⁰ presented the MOOC “Science 2.0 and open research methods” to researchers and librarians.

Title of presentation (Presenter):

Lecture on “Wissenschaft 2.0 und offene Forschungsmethoden vermitteln – Der MOOC “Science 2.0 and open research methods” (F. Günther, TUD).

Impact assessment:

The lecture gathered ~20 librarians and researchers and was mostly related to the **scientific** community.

8 7th International Conference on e-Learning and e-Teaching (IceLeT) 2019 (Teheran, Iran, 20th - 21st February 2019)

IceLeT attempts to provide a forum to present latest researches and technological advances in the field of e-Learning with cooperation of all universities, research centers, scholars, and practitioners. The conference includes all relevant aspects of “e-Learning” in various scopes of “Engineering and Technology” and “Pedagogy and Education”.

<https://icelet2019.kntu.ac.ir/en/>

⁵⁹ <https://www.slub-dresden.de/en/homepage/>

⁶⁰ <https://zenodo.org/record/2563204#.XI-1f6BS9hE>

MOVING role:

Professor Dr. Thomas Köhler from TUD gave a presentation as a keynote speaker on “Opening up education through digitization. Remarks on recent developments in the field of Technology Enhanced Learning”. Among others he presented the MOVING platform and its technologies.



Figure 30: Thomas Köhler at the IceLeT event.

Title of presentation (Presenter):

“Opening up education through digitization. Remarks on recent developments in the field of Technology Enhanced Learning” (T. Köhler, TUD).

Impact assessment:

This conference as a national e-Learning event in IRAN gathered more than 300 participants from the e-learning domain. The event was mostly related to the **scientific** community.

9 Open Science Conference - Barcamp Open Science 2019 (Germany, Berlin, 18th March 2019)

Description:

The Barcamp Open Science is a barcamp dedicated to the Open Science movement. It is co-located with the International Open Science Conference and open to everybody interested in discussing, learning more about, and sharing experiences on practices in Open Science.

<https://www.open-science-conference.eu/barcamp/>

MOVING role:

Sabine Barthold from TUD was invited to present the MOVING MOOC and the Open Science methods in the Barcamp.

Title of paper and/or presentation (Presenter):

“Open Science and MOVING MOOC” (S. Barthold, TUD)


Impact assessment:

The barcamp brought together 80 both novice and expert researchers, practitioners and policy makers in the Open Science domain and it was mostly related to the **general public, scientific, policy maker and industry/innovators** communities.

3.3.5 Demonstrations

The MOVING platform and the Curriculum Reflection Widget were demonstrated at the TEL Marketplace event, where ~30 researchers and lecturers from the TU Graz University were gathered to discuss about ongoing research in technology-enhanced learning. More details regarding this event can be found in Table 7 below. In addition to this, demonstration-only event, many other demonstrations of the MOVING platform were given at events reported in other sections of this document, e.g. at the MMM 2019 conference (where a paper was also presented – see Section 3.3.3), at the UNESCO Open Education Design Course event (where MOVING platform was presented in the “Platforms and tools for open education design” session), at invited talks such as in the university of Strasbourg (in the Master program “Sciences de l’éducation”) and in the university of Bergen (in the context of education and technology research training network and summer school) and elsewhere.

Table 7: MOVING demonstrations.

1	TEL Marketplace event (Graz, Austria, 19 th March 2019)
<p>Description:</p> <p>TEL Marketplace brings together Technology-Enhanced Learning (TEL) researchers and lecturers of Graz University of Technology (TU Graz). The main goal of the event is to inform TU Graz lecturers about ongoing research in technology-enhanced learning, and vice versa to inform TEL researchers more broadly about specific concerns respective to teaching at TU Graz.</p> <p>https://www.tugraz.at/fileadmin/user_upload/tugrazInternal/TU_Graz/Universitaet/Veraenderungsmangement/TEL_Marketplace_Call_for_Contributions.pdf</p> <hr/> <p>MOVING role:</p> <p>Dr. Angela Fessler from KC demonstrated the MOVING platform and especially the “Curriculum Reflection Widget”.</p>	
	
<p>Figure 31: Angela Fessler demonstrating the MOVING platform.</p>	
<p>Title of demonstration (Presenter):</p> <p>“MOVING platform and Curriculum Reflection Widget demonstration” (A. Fessler, KC).</p>	
<p>Impact assessment:</p> <p>The event gathered ~50 researchers and lecturers and employees of the Graz University of</p>	

Technology and was mostly related to the **industry/innovators** and the **scientific** communities.

3.3.6 Sharing results in online repositories

Zenodo

The MOVING consortium had set up the MOVING H2020 Project⁶¹ community into the Zenodo repository in order to ensure compliance with Open Access policies for the project's publications and datasets. The repository currently⁶² includes 46 publications (35 conference papers, 7 articles and 4 others), 3 datasets (the MOVING concept detection scores for the MED16 train dataset, the artificially-generated lecture video fragmentation dataset and ground truth that were generated by consortium partner CERTH, and the datasets harvested via the Bibliographic Metadata Injection Service which are also integrated in the MOVING platform, provided by ZBW), as well as 6 posters and 8 presentations with the MOVING achievements that were delivered during the participation of the MOVING consortium in various conferences and events.

GitHub and Bitbucket

Also several MOVING source codes have been uploaded to GitHub and Bitbucket repositories and are available for use under open source licences.

Linear Maximum Margin Classifier for Learning from Uncertain Data

The implementation code for the Support Vector Machine with Gaussian Sample Uncertainty (SVM-GSU) of the paper "Linear Maximum Margin Classifier for Learning from Uncertain Data" by C. Tzelepis, V. Mezaris and I. Patras is published under an open source license in GitHub (<https://github.com/chi0tzip/svm-gsu>).

Lecture video segmentation dataset

A large-scale lecture video dataset consisting of artificially-generated lectures, and the corresponding ground-truth fragmentation, for the purpose of evaluating lecture video fragmentation techniques is published under an open source license in GitHub (<https://github.com/bmezaris/lecture-video-fragmentation>). The dataset is also published and in Zenodo repository. For creating this dataset, 1498 speech transcript files (generated automatically by ASR software) were used from the world's biggest academic online video repository, the VideoLectures.NET. These transcripts correspond to lectures from various fields of science, such as Computer science, Mathematics, Medicine, Politics etc.

Fluid

⁶¹ <https://zenodo.org/communities/moving-h2020/?page=1&size=20> (last accessed on 26-03-2019)

⁶² 27-3-2019

Finding data sources containing relevant information on the web for a given information need is crucial to the success of the Linked Open Data (LOD) idea. However, this is a challenging task since there is a vast amount of data available, which is distributed over various data sources. Schema-level indices allow finding data sources for topological queries using patterns of RDF types and properties. The FLuID (short for: Flexible schema-Level Index model for the web of Data) framework was developed to compute and query arbitrary schema-level indices. Further information is available in deliverable D3.2, Section 3.2. The source code of the FLuID framework is published under an open source license in GitHub (<https://github.com/t-blume/fluid-framework>).

IMPULSE

The Bibliographic Metadata Injection Service accesses data sources, retrieves the appropriate metadata, and automatically converts it into our internal data format. The IMPULSE (short for: Integrate Public Metadata Underneath professional Library SErVICES) framework was developed to realise the Bibliographic Metadata Injection Service. The source code is published under an open source license on GitHub (<https://github.com/t-blume/impulse>). An exhaustive description of the Bibliographic Metadata Injection Service is provided in deliverable D4.3, Section 7.1.3.

Automatic semantic document annotation

Document annotation is the process of assigning subject labels to documents to later effectively retrieve them. We investigated to what extent automated semantic document annotation can be conducted with only using the titles of documents instead of the full-text, as described in deliverable D3.2, Section 3.7 and deliverable D3.3, Section 3.6. This is an important feature as often only document's titles are available. We adapted multiple traditional as well as modern multi-label classification approaches to operate only on the title of the documents. To exploit the large amounts of data available in the MOVING platform to their full potential, we developed three strong deep learning classifiers. The code is published under an open source license in GitHub (<https://github.com/Quadflor/quadflor>, <https://github.com/florianmai/Quadflor>).

Semantic profiling and recommender system

An enormous volume of scientific content is published every year. The amount exceeds by far what a scientist can read in her entire life. In order to address this problem, the MOVING platform is equipped with a recommender system. In our MOVING recommender system, we improved on the previous work experimenting advanced techniques based on deep learning to recommend papers or subject labels to assign to them. These techniques are extensively described in deliverable D3.2, Sect. 6. The code used is openly available in Github (<https://github.com/lgalke/aae-recommender>).

WevQuery

The role of WevQuery⁶³ in the MOVING platform is twofold: support the access and use in production of users' interaction data by other MOVING partners and their modules, and further expanding its interaction data analysis features. WevQuery is an integral part of the MOVING platform, providing access to the captured users' interaction data. Modules such as the ATS uses it to retrieve the number of times each search functionality have been used, and the recommender system uses to retrieve all the search queries for individual users. WevQuery has also been extended to support pattern mining analysis of the extracted queries. The code used is openly available in Github (<https://github.com/aapaolaza/WevQuery>).

Elastify

While there are many studies on information retrieval models using full-text, there are presently no comparison studies of full-text retrieval vs. retrieval only over the titles of documents. On the one hand, the full-text of documents like scientific papers is not always available due to, e. g., copyright policies of academic publishers. On the other hand, conducting a search based on titles alone has strong limitations. Titles are short and therefore may not contain enough information to yield satisfactory search results. We compared different retrieval models regarding their search performance on the full-text vs. only titles of documents. These models are extensively described in deliverable D3.2, Section 3.6. The source code is published under an open source license in bitbucket (<https://bitbucket.org/elastify/elastify>).

3.4 Activities at the intersection of dissemination and exploitation

3.4.1 Collaboration between MOVING and other projects

As already mentioned in the previous deliverables D5.1 and D5.3, the MOVING project have established and maintained the collaboration with the EU H2020 project ALIGNED⁶⁴ on the exchange of knowledge and datasets for text and data mining.

The MOVING project has established collaboration with the CORE initiative⁶⁵. The latter aims to aggregate all open access research outputs from repositories and journals worldwide and make them available to the public in order to facilitate free unrestricted access to research for all. The MOVING platform now includes about 11 million documents from CORE and more are being integrated. We plan soon to have about 74.5 million documents in the platform from CORE. More information on the CORE data is available in deliverables D6.2 and D4.3.

⁶³ <https://dl.acm.org/citation.cfm?id=3095806>

⁶⁴ <http://aligned-project.eu/> (last accessed on 26-03-2019)

⁶⁵ <https://core.ac.uk/> (last accessed on 26-03-2019)

3.4.2 Industry and research contacts

PBF maintained and extended interesting contacts with MOVING platform potential users from Kraków universities that expressed their interests in the platform.

Alicja Madura from PBF distributed leaflets to the participants of Business Model Canvas workshop that took place at Krakow University of Technology in Poland on 25th April 2018. The event had over 30 participants from Malopolska SMEs.

Professor Dr. Andrzej M. Skulimowski, Alicja Madura and Joanna Bubak from PBF attended the IMPACT'18 CEE⁶⁶ at the ICE Kraków Congress Centre in Poland on 13th and 14th of June 2018 where they distributed project leaflets. Impact CEE event is a yearly conference and exposition devoted to creating a digital future and to bring leaders at the forefront of innovation from many sectors together to explore the opportunities for creating global digital future. The event gathered over 3000 participants from various Polish SMEs.

Professor Dr. Andrzej M.J. Skulimowski (PBF) disseminated the MOVING project and distributed leaflets to the participants of the project meeting “Supporting knowledge capacity of ICT SME to engage in growth and innovation by improving regional policies and infrastructure” that took place on 5th of July 2018 and organised by the Małopolska Regional Development Agency (MARR). It's worth mentioning that several local authorities from Marshal's Office of the Lesser Poland Voivodship, Provincial Labor Office, Małopolska Business Center, and the South Poland Cleantech Cluster participated in the meeting. In addition, more leaflets have been also distributed to local SMEs visiting the Małopolska Regional Development Agency's information center⁶⁷. Also, MARR declared their will to convey the information about the MOVING project results to its clients.

PBF distributed MOVING leaflets at the CYBERSEC European Cybersecurity Forum event⁶⁸ on 8th – 9th of October 2018 organised by the Kościuszko Institute in Kraków. CYBERSEC is an annual public policy conference dedicated to the strategic challenges of cybersecurity, a unique in Central and Eastern Europe and one of the top five cybersecurity events in Europe. Visitors included government representatives, venture capital investors, and technological start-ups (~1000).

JSI disseminated MOVING project at Post of Slovenia, IT Services-Sales and development department, Maribor, Slovenia, 11th October 2018.

PBF and JSI disseminated MOVING project and distributed leaflets on the EC central stand to the ICT 2018: Imagine Digital - Connect Europe⁶⁹ that was held in Vienna on 4th-6th of December 2018. The event gathered 4800 visitors focused on the European Union's priorities in the digital transformation

⁶⁶ <https://impact18.impactcee.com/> (last accessed on 26-03-2019)

⁶⁷ <https://www.marr.pl/skills/> (last accessed on 26-03-2019)

⁶⁸ www.cybersecforum.eu (last accessed on 26-03-2019)

⁶⁹ <https://ec.europa.eu/digital-single-market/en/events/ict-2018-imagine-digital-connect-europe> (last accessed on 26-03-2019)

of society and industry. Professor Dr. Andrzej Skulimowski from PBF participated in the networking meetings and invited conference participants to the MOVING Delphi survey.

ZBW on 11th of December 2018 demoed the MOVING platform in front of 20 researchers in education and teachers at the EduARC project meeting which included institutions possibly interested in it (Leibniz Institute for Research and Information in Education, University of Duisburg-Essen, and University of Oldenburg).

PBF disseminated the MOVING project and distributed leaflets at the XXI Małopolska Forum⁷⁰ of non-governmental organisations (MFOP) that was held on 12th of December 2018 in Museum of Japanese Art and Technology “Manggha”, Kraków, Poland and was organised by the Marshal's Office of the Małopolska Region. The event was attended by almost 300 NGOs from Malopolska.

TUD collaborated with MOOC provider MOOIN⁷¹ for future collaboration on promotion of MOVING platform and MOVING MOOC. As already mentioned in D5.3 MOOIN is an e-learning platform which is run by OnCampus at FH Lübeck. As the biggest MOOC provider in Germany it attracts large numbers of learners every year. Advertising the MOVING MOOC on MOOIN is an excellent dissemination opportunity for the MOVING platform.

Dr. Vasileios Mezaris from CERTH presented selected MOVING technologies for video analysis at an event of the Swiss Broadcasting Corporation (SRG SSR - the Swiss public broadcasting association) called “Ateliers de programme”, in Lugano, Switzerland, on March 2019.

3.4.3 Updates to the data management plan

The Data Management Plan (DMP) of MOVING is a working document that evolves during the lifetime of the project, and for this reason the consortium prepared the 2nd (and final) updated version of it at the end of the project. The updated Data Management Plan introduces 22 new datasets (nine from WP2 and thirteen from WP3) and also reports that one dataset originally included in WP1 datasets is not used, and also it is 3rd party data, which was not produced in the MOVING project. More specifically,

- In WP1 the following dataset was deleted:
 - MOVING_Data_WP1_1_Innovations_in_scholarly_communications_study
- in WP2 the following datasets were added:
 - MOVING_Data_WP2_2_Movielens_1M
 - MOVING_Data_WP2_3_hetrec2011_lastfm
 - MOVING_Data_WP2_4_LibraryThing

⁷⁰ <https://prouniversitatis.up.krakow.pl/2018/12/04/xxi-malopolskie-forum-organizacji-pozarzadowych/> (last accessed on 26-03-2019)

⁷¹ <https://www.oncampus.de/mooin?lang=en> (last accessed on 26-03-2019)

- MOVING_Data_WP2_5_Aminer_DBLP
- MOVING_Data_WP2_6_Aminer_ACM
- MOVING_Data_WP2_7_MPD
- MOVING_Data_WP2_8_MOOC_Evaluation_1
- MOVING_Data_WP2_9_MOOC_Evaluation_2
- MOVING_Data_WP2_10_MOOC_ForumEntries
- in WP3 the following datasets were added:
 - MOVING_Data_WP3_21_PubMed-2-IR
 - MOVING_Data_WP3_22_IREEON-2-IR
 - MOVING_Data_WP3_23_Wiki-page-views
 - MOVING_Data_WP3_24_Twitter-Presidential-Election-2016
 - MOVING_Data_WP3_25_ACL
 - MOVING_Data_WP3_26_DeGruyter
 - MOVING_Data_WP3_27_TimBL
 - MOVING_Data_WP3_28_BSBM
 - MOVING_Data_WP3_29_LUBM
 - MOVING_Data_WP3_30_Wikidata72
 - MOVING_Data_WP3_31_CORE_DB
 - MOVING_Data_WP3_41_ZBWECONNISMetedataDataset
 - MOVING_Data_WP3_42_LawAndRegulationsDataset

More information about the aforementioned datasets can be found on the updated version of deliverable D6.2: Data Management Plan, which is available via the project's website under the project deliverables webpage⁷³.

⁷² The use of this dataset is planned also for WP2 in the context of semantic profiling and the recommender system.

⁷³ <http://moving-project.eu/deliverables/> (last accessed on 26-03-2019)

4 Continuation of dissemination and communication activities beyond the end of the project

The MOVING consortium will continue the communication and dissemination activities even beyond the end of the project. More specifically, partners will continue to spread the MOVING results and raise the awareness of the scientific, policy makers and industry/innovators communities by organising events (such as the Learning 4.0 event and the EC-TEL conference), presenting and publishing the MOVING technologies in various conferences, workshops and magazines (such as the ICWE, the ECIR, the conference on Learning Information Literacy across the Globe, the EY reporting magazine etc.) and organising another round of the MOVING MOOC. Concerning the MOVING participation, organisation and publication actions we anticipate the following:

Publications, demonstrations and presentations:

The invited paper on “Applying real options in the strategic planning of a knowledge repository exploitation”, referring to one of a novel methods applied when building the MOVING exploitation strategy, will be presented by Professor Dr. Andrzej Skulimowski at the conference "Portfolio theory and derivative pricing"⁷⁴, in Warsaw, Poland on 27 – 29 March 2019. The conference is co-organised by the Institute of Mathematics and the Systems Research Institute of the Polish Academy of Sciences (PAS).

The paper “Analyzing the Evolution of Linked Vocabularies” (M. Abdel-Qader, I. Vagliano, A. Scherp) is going to be presented by Mohammad Abdel-Qader from ZBW at the International Conference on Web Engineering (ICWE) 2019⁷⁵. ICWE is a yearly conference focusing on the different aspects of designing, building, maintaining and using web applications. The conference will take place in Daejeon, Korea on 11th -14th of June 2019.

The paper “Recommending Multimedia Educational Resources on the MOVING Platform” (I. Vagliano, S. Nazir) is going to be presented by Iacopo Vagliano from ZBW at the 8th International Workshop on Bibliometric-enhanced Information Retrieval (BIR 2019) 2019⁷⁶. BIR workshop is part of the 41st European Conference on Information Retrieval (ECIR 2019)⁷⁷. The annual ECIR is the premier European forum for the presentation of new research results in the field of Information Retrieval. The conference will take place in Kologne, Germany on 14th – 18th of April 2019.

The paper “Concept and development of an Information Literacy Curriculum Widget” (A. Fessler, S. Barthold, I. Simic and V. Pammer-Schindler) is going to be presented at the Conference on Learning

⁷⁴ <https://www.impan.pl/en/activities/banach-center/conferences/19-portfolio>

⁷⁵ <https://icwe2019.webengineering.org/> (last accessed on 26-03-2019)

⁷⁶ <https://www.gesis.org/en/services/events/events-archive/conferences/ecir-workshops/ecir-workshop-2019/> (last accessed on 26-03-2019)

⁷⁷ <https://www.ecir2019.org/> (last accessed on 26-03-2019)

Information Literacy across the Globe⁷⁸. The conference will take place in Frankfurt, Germany on 10th of May 2019.

JSI is planning to give a workshop presentation (MIT LINC 2019⁷⁹) at the MIT Campus, Cambridge, MA, US on 18th-20th of June 2019.

CERTH is planning to present the MOVING platform as part of the open day event at the CERTH-ITI's open day event which is expected to take place in mid May 2019.

GESIS is planning to reference MOVING at this years' ACM/IEEE-CS Joint Conference on Digital Libraries⁸⁰ (JCDL 2019) within the presentation of the accepted GESIS full paper on "A Digital Library for Research Data and Related Information in the Social Sciences" (D. Hienert, D. Kern, K. Boland, B. Zapilko and P. Mutschke). The paper presents the so-called GESIS-wide search. It is planned to adapt and integrate the models for author name disambiguation and document de-duplication developed within the framework of MOVING in the GESIS-wide search. GESIS is moreover planning to publish an article about MOVING in the next issue of the so-called gesis report (to appear June 2019) to report the final state of the platform and its value-adding for information seeking purposes. The gesis report is the official newsletter of GESIS and reaches about 3.300 subscribers in the Social Sciences. New issues of the gesis report will be announced through GESIS' social media accounts (Twitter, Facebook) by which further target groups can be reached.

Events organisation:

KC and JSI (General Chairs: Viktoria Pammer-Schindler, Practitioner Chairs: Angela Fessler, Tanja Zdolsek Draksler) are co-organising the 14th European Conference on Technology Enhanced Learning, Transforming Learning With Meaningful Technologies⁸¹ at Delft University of Technology, The Netherlands, on 16th-19th of September 2019. As KC and JSI are organisers of the conference, they plan to get involved in a lot of discussions, where they will present or talk about MOVING. In addition, they plan to distribute MOVING flyers. In addition, KC and UMAN plan to submit a MOVING paper.

KC is planning to organise a Learning 4.0 Event at KC's premises that will take place at the 28th of May 2019, where Angela Fessler from KC plans to give a talk about the MOVING project with focus on the ATS widget.

3rd round of the MOVING MOOC organisation:

TUD is planning another round of the MOOC after the project ends together with the Graduate Academy of TUD University. The Graduate Academy will advertise the MOOC in their brochure.

⁷⁸ <https://informationliteracy.eu/conference/#presenters> (last accessed on 26-03-2019)

⁷⁹ <https://jwel.mit.edu/linc-2019> (last accessed on 26-03-2019)

⁸⁰ <https://2019.jcdl.org/> (last accessed on 26-03-2019)

⁸¹ <http://www.ec-tel.eu/index.php?id=918> (last accessed on 26-03-2019)

Publication at the EY's Reporting Magazine

The EY Reporting magazine, with its global reach, is EY's Assurance insights hub and addresses the reporting and governance issues organisations are facing. The content of the Reporting magazine is a mixture of business and technical information, including comment articles, video interviews and animated infographics. It is updated regularly and its content aims to stimulate debate on issues such as audit quality, technology and innovation, and regulation. The article on the MOVING platform will describe the value proposition of MOVING with specific examples and scenarios of how EY's assurance professionals can use MOVING in their daily work. These scenarios are conforming to the International Standards on Auditing (ISAs) and the related curriculum for public administrators.

Dissemination at the EY's social media channels

EY will use Yammer, an internal social media channel tool with more than 37,000 members, where several MOVING activities will be posted in related workgroups on unstructured data, on research, and on European projects and in EMEIA Assurance Group.

EY will disseminate MOVING also through EY Xing company account⁸² and several EY's LinkedIn accounts, informing about the release of the MOVING platform and directing to the MOVING website. The EY Xing company account is public with more than 29,000 followers and more than 11,000 employees and EY's LinkedIn accounts have over 2,000,000 followers.

Industry and research contacts

EY plans to distribute a brochure with the MOVING objectives, project setup and success including the use case description for EY services and to disseminate the MOVING project to EY employees. The brochure also will link to the MOVING website.

Dr. Michael Wiese from EY plans to create various internal communications with ~250,000 employees of EY. More specifically: a) under the EY homepage⁸³ (the external website of the global EY organisation with link to the individual country firm) a newsfeed and point of view will be created, related to the official MOVING release including link to the MOVING website, b) under EY Homepage (the internal EY homepage/Intranet which is available to all EY professionals as the starting page on internet explorer), MOVING will be disseminated on "My news" headlines on the start screen, c) under EY Discover (EY's internal data management platform and search engine for all types of electronic materials/resources) a page will be created with key facts and resources on the MOVING project, use cases and link to the project website, d) add updated news on EY success factors/LEAD, external resources, e) Dr. Wiese plans to give a presentation in the Digital Leadership Meeting, f) under EY Daily News (Daily communication with 4-6 key short messages on news, interesting stories,

⁸² <https://www.xing.com/company/ernstandyoung> (last accessed on 26-03-2019)

⁸³ <https://www.ey.com/de/de/home> (last accessed on 26-03-2019)

links) Dr. Weise will notice on the MOVING release and website including key advantages of the solution and working scenarios.

5 Conclusion

This deliverable was the updated report of our dissemination and communication activities regarding the MOVING project, platform, technologies and results in the last year of the project. In Section 2 we summarised the dissemination and communication strategy that we originally reported in “D2.4”. In Section 3 we reported in detail all the communication and dissemination activities that MOVING consortium participated in or organised, while in Section 4 we presented the continuation of the dissemination and communication actions that we will follow beyond the end of the project. The wealth of the dissemination and communication activities already carried out has helped MOVING to reach a considerable number of people. More specifically, MOVING achieved participation in 34 events, both in the scientific and industry communities that include 25 presentations and dissemination of MOVING in conferences or workshops and 9 invited talks. MOVING organised 1 MOVING information day event, 3 MOVING user days events, 1 open door days, and 1 demonstration. After the end of the project, consortium partners will continue to disseminate the MOVING’s objectives and will have the opportunity to form/grow the users’ community by presenting the MOVING platform: a) in the open door day event that CERTH plans to organise in May 2019, b) in 2 workshops on Learning 4.0 that KC plans to organise in May 2019 and on Technology Enhanced Learning, Transforming Learning With Meaningful Technologies that KC and JSI are co-organising in September 2019, and c) in 5 conferences such as the ICWE 2019, the BIR 2019 etc. Furthermore, the organisation of the third round of the MOVING MOOC will further contribute to the community building of the MOVING platform and last but not least the publication about the MOVING platform in the EY’s reporting magazine, the dissemination in EY’s social media channels and the internal communications with EY’s employees will raise the awareness of the industry community. In overall, the MOVING vision was spread among approximately 5500 participants that attended the presentations of the project and even more, by dissemination activities of the partners who participated in the events, our online channels and other online channels via which MOVING results are accessible (e.g. Zenodo, publishers’ websites etc.). Also, MOVING continued to be disseminated through social media in many groups focusing on technologies relevant to the project, as well as through the project and other mailing lists.