Report on the outcomes of a Short-Term Scientific Mission[1]

Action number: CA18209

Grantee name: Gokhan OZKAN

Details of the STSM

Title: Instructional Design of the MOOC Materials Used for Dissemination Purposes

Start and end date: 27/01/2024 to 17/02/2024

Description of the work carried out during the STSM

Description of the activities carried out during the STSM. Any deviations from the initial working plan shall also be described in this section.

(max. 500 words)

During the STSM, significant progress was made towards achieving the goal of developing a comprehensive e-learning program on Linguistic Linked Data. The project was spearheaded by Gokhan Ozkan, who collaborated closely with Dr. Slavko Zitnik and the MOOC creation team to enhance the educational structure and delivery of the course. The activities carried out spanned over a three-week period, focusing on the instructional design and pedagogical effectiveness of the MOOC.

In the first week, initial efforts were concentrated on reviewing and upgrading the prepared materials in consultation with the content creation team. This involved providing pedagogical advice to ensure the course content logically progressed from foundational principles to advanced applications, in alignment with instructional design best practices. The drafting of documents detailing course structures, learning objectives, and consistency standards for presentation elements was also completed. This foundational work set the stage for the detailed instructional design tasks that followed.

The second and third weeks were dedicated to refining and finalizing the educational content and materials. This involved a series of online meetings with MOOC creators to review and amend video scripts and other instructional materials, ensuring they adhered to pedagogical principles. The focus was on simplifying complex concepts, enhancing engagement through interactive elements, and ensuring the content's accessibility and usability. The end of the second week marked the completion of scriptwriting and the preparation of all materials for video recording.

A comprehensive review for quality assurance processes was conducted in the third week, alongside evaluations to finalize the content. Feedback mechanisms were integrated, allowing for the continuous improvement of the

[1] This report is submitted by the grantee to the Action MC for approval and for claiming payment of the awarded grant. The Grant Awarding Coordinator coordinates the evaluation of this report on behalf of the Action MC and instructs the GH for payment of the Grant.

course material. The final days of the STSM were reserved for adjustments based on feedback, ensuring the course was pedagogically sound and ready for production.

Despite the ambitious scope of the project, there were no significant deviations from the initial working plan. However, the intensive collaboration and iterative review processes led to a deeper engagement with the content than initially anticipated, enriching the instructional design and potentially extending the timeline for finalizing some materials. This collaborative effort ensured that the MOOC would not only convey theoretical knowledge effectively but also engage learners in practical applications, thereby significantly contributing to the objectives of CA18209 by advancing dissemination efforts and enhancing the educational legacy in the field of linguistic data science.

The STSM project successfully bridged expert content knowledge with instructional design principles, resulting in a pedagogically robust MOOC that promises to enhance the visibility and impact of CA18209's initiatives. Through this collaborative effort, the project aims to foster a community of learners equipped with the knowledge and skills to work effectively with linguistic data in a linked data environment.

Description of the STSM main achievements and planned follow-up activities

Description and assessment of whether the STSM achieved its planned goals and expected outcomes, including specific contribution to Action objective and deliverables, or publications resulting from the STSM. Agreed plans for future follow-up collaborations shall also be described in this section.

(max. 500 words)

This STSM focused on the instructional design of MOOC materials for the dissemination of knowledge on Linguistic Linked Data (LLD) achieved its planned goals and expected outcomes successfully, aligning closely with the objectives of CA18209. The main achievements of this STSM can be summarized as follows:

1. Comprehensive Instructional Design: A detailed and pedagogically sound instructional design was developed for the MOOC, which methodically progresses from basic concepts to advanced topics in Linguistic Linked Data. This design ensures a solid educational foundation for learners at various levels, contributing significantly to the dissemination efforts of CA18209.

2. Pedagogical Enhancement of MOOC Materials: The STSM enabled the enhancement of MOOC materials through expert feedback on scripts, educational strategies, and multimedia content. This has ensured that the course is not only informative but also engaging and accessible to a diverse audience, thereby enhancing the learning experience.

3. Quality Assurance and Feedback Integration: The implementation of a comprehensive review and feedback mechanism has established a foundation for continuous improvement, ensuring that the course remains current, relevant, and pedagogically effective.

4. Documentation and Standardization: The creation of detailed documentation regarding course structure, learning objectives, and presentation standards contributes to the sustainability and scalability of the MOOC. This documentation ensures consistency and facilitates future updates or expansions of the course.

5. Alignment with Action Objectives: The project directly contributes to the objectives of CA18209 by advancing the dissemination of knowledge in the field of linguistic data science. By developing a sophisticated e-learning platform, the STSM supports the Action's aim to foster a broader understanding and application of Linguistic Linked Data.

This collaboration via this project also laid the groundwork for several follow-up activities and collaborations:

1. Continuous Content Development: There is an agreed plan for the continuous development and updating of MOOC materials, incorporating the latest research and case studies in the field of linguistic data science. This ensures that the course remains at the cutting edge of the discipline.

2. Evaluation and Improvement: Ongoing evaluation of the course's effectiveness and learner feedback will be used to make iterative improvements. This continuous quality assurance process is crucial for maintaining the high pedagogical standards set during the STSM.

3. Expansion of Collaborative Networks: The project has fostered collaborations between instructional designers, subject matter experts, and educational technologists. Plans are in place to expand this network, incorporating more experts and institutions to contribute to the course's development and dissemination efforts.

4. Research and Publications: The innovative approach to MOOC development and instructional design explored during the STSM will be documented and shared in relevant academic and professional forums. This includes publishing research findings and case studies that detail the process and outcomes of the project.

5. Future Workshops and Training Sessions: Plans are underway to organize workshops and training sessions that build on the MOOC's content. These sessions will provide hands-on experience with Linguistic Linked Data, further enhancing the practical skills of learners.

In conclusion, the STSM has significantly contributed to the CA18209 objectives by enhancing the dissemination and educational impact in the field of linguistic data science. The project's achievements have set a high standard for future e-learning initiatives, with a clear plan for sustained collaboration and continuous improvement.