Report on the outcomes of a Virtual Mobility[1]

Action number: CA1930: Fintech and AI in Finance

Grantee name: Galena Pisoni

<u>Virtual Mobility Details</u>

Title: Business Intelligence Reporting by Linguistic Summaries

Start and end date: 10/10/2023 to 28/10/2023

<u>Description of the work carried out during the VM</u>

Description of the virtual collaboration and activities carried out during the VM, with focus on the work carried out by the grantee. Any deviations from the initial working plan shall also be described in this section.

(max. 500 words)

The coordination of the work required several calls, and coordination of work primarily via email to organize the writing of the paper. A conference paper was prepared and submitted to SSRN, to be able to meet the deadline for reporting, that we submitted to publish at the upcoming Information Systems conference 2024 (https://www.is-conf.org/), taking place in Porto. In addition, we prepared another conference paper that will be submitted at ICEIS 2024 conference, where one of our VMG members, Miroslav Hudec is in the organizing committee. As part of this VMG as well, we discussed and defined the structure for a journal paper on the topic of business intelligence and how one can improve transparency and reporting of outputs of AI models with Linguistic Summaries.

With this Virtual mobility, therefore, we contributed towards the following two deliverables

Report on good examples and best practices for a transparent finance industry with guidelines to improve transparency

A discussion paper for possible approaches to building a statistically valid back-testing framework

The team consisted of the following members and countries,

Galena Pisoni, University of Côte d'Azur, France,

Erika Minarikova and Miroslav Hudec, University of Economics in Bratislava

Miljan Vučetić, Vlatacom, Serbia

**Funded by
the European Union**

Bálint Molnár, Eötvös Loránd University, Budapest, Hungary,

Hanna Skaftadóttir, Bifröst University, Iceland

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

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

(max. 500 words)

The main outcomes of the virtual mobility grant were

1) to finalize the conceptualization and writing of a conference paper; as a first step to better understand the feasibility / potential of the linguistics summaries to improve transparency in big data, the paper is available here, https://papers.ssrn.com/abstract=4623248, and it was sent for the IS 2024 conference (https://www.is-conf.org/), it can be found attached to the report

2) beyond what proposed in the original, we produced another conference paper, that will be submitted at ICEIS 2024 conference, it can be found attached to the report

3) we set the basis for a journal paper, that will be written consequently with the involved partners, and that will discuss on a wider scale possible approaches for application of the linguistics summaries in financial domain, as well as critically discusses criteria for success as well as possible obstacles for implementation,

The work will be regularly presented at COST action activities, and a podcast will be created to further disseminate the COST action activities to wider audiences.