Enterprise Evolution: A Discussion from Different Perspectives. Editorial Introduction to Issue 34 of CSIMQ

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The current issue provides discussions on different topics that can be summarized as "Enterprise Evolution". The selected articles continue and elaborate research that was presented in 2022 during workshops at the Perspectives in Business Informatics Research Conference – BIR 2022 in Rostock, Germany. The articles continue research work presented at the conference, summarize the findings and provide deeper insights and new perspectives.

The first article by Vijanti Ramautar and Sergio España focuses on ethical and sustainability aspects of enterprises. They argue that the integration of ethical, social, and environmental accounting (ESEA) with traditional financial accounting can help responsible organizations differentiate themselves from greenwashers. To increase their ESE performance, organizations usually apply some variation of the continuous improvement cycle that typically starts with an assessment. For this purpose, a modeling language openESEA is introduced. It is a domain-specific language (DSL). Its sentences can be executed by a tool that allows the performance of assessments. The approach is similar to Xtext [1]. The raw data of assessments can be accessed via [2].

The second article by Ksenija Lace discusses information system integration as an important part of a collaboration of organizations as well as the evolution of enterprises. The importance of the topic is supported by Galpin [3] that sees it as a new wave. Ksenija Lace discusses aspects of the management and support of decision-making during the integration of information systems. She provides a process model and an information model for this purpose. Both models are extended by knowledge management elements.

The third article is provided by Mark-Oliver Würtz and Kurt Sandkuhl. They discuss an enterprise architecture for demand-responsive services. They focus their discussion on the public transport domain. The starting point of the research of the authors was Scholz [4]. They argue that especially administrative and control processes have to be established. The authors provide elements of a reference architecture and evaluate their findings for planning aspects.

Finally, there is the fourth article by Sven Erdmann and Kurt Sandkuhl. The authors focus on digitalization in small and medium-sized enterprises. They focus especially on robot process

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automation in this context. They analyzed the literature and found out that the topic does currently not receive much attention in research. However, there are several papers discussing the topic for larger enterprises like Beetz and Riedl [5]. The authors analyzed those papers and identified functions and processes that are applicable for small and medium-sized enterprises. The suitability of the identified business processes is discussed.

Hopefully, their readers will find the different perspectives of the selected papers interesting. My thanks go to the authors for submitting their contributions and taking to account the hints of the reviewer. Additionally, I would like to thank the reviewers for their carefully reading of the submissions and for providing detailed comments for improving the content.

Finally, I wish all readers some inspirations for their work while reading the Issue 34 of CSIMQ with the four provided articles.

References

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[4] G. Scholz, *IT systems in public transport: Information technology for transport operators and authorities*. Heidelberg: dpunkt.Verlag, 2016.

[5] R. Beetz and Y. Riedl, "Robotic process automation: Developing a multi-criteria evaluation model for the selection of automatable business processes," *Americas Conference on Information Systems*, 2019.