

Global Partnerships Driving Digital Transformation: Examining the Impact of Collaborative Partnerships in Developing Countries

Summary

This study explores the impact of collaborative partnerships in accelerating the achievement of Sustainable Development Goals (SDGs) through knowledge sharing and the use of innovative digital technologies such as Artificial Intelligence (AI) in designing public services. Specifically, the project will investigate the impact of collaborative partnerships in developing countries, analyzing both the potential benefits as well as the complexities that may arise from these partnerships. By examining the intersection of digital technologies and collaborative partnerships, this study seeks to explore how these partnerships can effectively leverage innovative digital technologies to accelerate progress toward the SDGs. This study will provide valuable insights and actionable recommendations for fostering sustainable and effective global partnerships.

Research field:	Information and communication technology
Supervisor:	Prof. Dr. Ingrid Pappel
Availability:	This position is available.
Offered by:	School of Information Technologies Department of Software Science
Application deadline:	Applications are accepted between June 01, 2023 00:00 and June 30, 2023 23:59 (Europe/Zurich)

Description

The goal of this PhD project is to examine the use of experimental approaches to Global Partnerships Driving Digital Transformation: Examining the Impact of Collaborative Partnerships in Developing Countries. Specifically, the project aims to investigate how collaborative partnerships can accelerate the achievement of Sustainable Development Goals (SDGs) by leveraging knowledge sharing and innovative digital technologies in the design of public services. In this research, particular attention will be given to examining the complexities surrounding different leadership models and funding strategies employed in multi-stakeholder collaborative efforts. The project will also explore the varying levels of digital maturity among partner countries and their capacity to implement and adopt novel technologies effectively. Furthermore, this study aims to identify fundamental measures that ensure the long-term sustainability of these partnerships while promoting the integration of cutting-edge technologies, such as Artificial Intelligence (AI), for the seamless design and delivery of public services.

The thesis should address the following questions: 1) How successful have the previous or ongoing experiments and institutional innovations in digital transformation been? 2) What are the main lessons about the success factors? 3) What are the most effective strategies for promoting the utilization of Artificial Intelligence (AI) in the design and delivery of public services within global partnerships? 4) Which capabilities are needed to ensure the long-term sustainability of these partnerships?

Responsibilities and (foreseen) tasks

- Compile an analytical framework for examining the Collaborative Partnership Model for driving digital transformation in developing countries.
- Map possible case studies about the use of Artificial Intelligence (AI) in the design and delivery of seamless public services within global partnerships.
- Collect data and conduct case studies on the selected cases on Artificial Intelligence (AI) in the design and delivery of seamless public services within global partnerships.
- Contribute to comparative data collection by conducting interviews and focus workshops.
- Develop proposals and suggestions for long-term sustainability of these partnerships.
- Contribute to the organization of research and practitioner workshops where project findings are presented.



Applicants should fulfil the following requirements:

- a master's degree (preferably in ICT field, public administration or economics)
- a clear interest in the topic of the position
- excellent command of English
- strong and demonstrable writing and analytical skills
- capacity to work both as an independent researcher and as part of an international team
- capacity and willingness to provide assistance in organizational tasks relevant to the project.

The following experience is beneficial:

- Experience in conducting empirical research, data analysis, and applying research frameworks.
- Experience in leading change transformation and facilitating smooth transitions during digital transformation initiatives.
- Working knowledge on data analytics, data-driven decision-making, and extracting insights from large datasets.
- Knowledge of user-centric design principles and methodologies to create digital solutions that are intuitive, user-friendly, and aligned with user needs and expectations.
- Working knowledge of cybersecurity risks and best practices, privacy regulations, and the security and protection of digital systems and data.
- Knowledge of ethical considerations related to digital transformation, especially on data privacy, algorithmic bias, and responsible AI.
- Skills in analyzing and optimizing business processes to enhance service delivery efficiency and effectiveness.

The candidate should submit a research plan for the topic, including the overall research and data collection strategy. The candidate can expand on the listed research questions and tasks, and propose theoretical lenses to be used.

We offer:

- 4-year PhD position in one of the largest, most internationalized and leading social science research centers in Estonia with a large portfolio of ongoing pan-European and national public administration, digital governance and innovation studies projects
- The chance to do high-level research in one of the most dynamic digital government contexts globally
- Opportunities for conference visits, research stays and networking with globally leading universities and research centers in the fields of public administration, innovation studies and digital government

About the department

At the TalTech School of IT, you will receive a top-level education supported by internationally recognized research and development activities and close cooperation with companies. The rapid development of information and communication technologies (ICT) affects all aspects of our daily lives. The curricula in the School of IT are designed to combine academic and practical aspects and focus on the most current topics. For instance, the curricula E-Governance Technologies and Services and Cybersecurity offer the opportunity to learn firsthand from the experts in the field. While graduation provides clear paths to further studies, close collaboration with employers throughout the studies also prepares students with specific skill-sets needed and valued in the job market.

Additional information



For further information, please contact Ingrid Pappel (ingrid.pappel@taltech.ee), Vice-Dean of Master's Studies - School of Information Technologies, TalTech



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