

TFK programme, funded projects 2024

Project title: Sustainability-Oriented Innovations in the Era of Generative Artificial Intelligence	
Coordinator University of Turku Jussi S. Jauhiainen, jusaja@utu.fi	The joint Project SOIGAI (Sustainability-Oriented Innovations in the Era of Generative Artificial Intelligence) is a collaboration between the University of Turku in Finland and the University of Pretoria in South Africa. The project involves the organization of joint intensive courses between two universities targeted to Master's and Doctoral levels in social sciences, incorporating digital and virtual learning. The joint course will include both face-to-face and digitally-mediated interactions, fostering cross-cultural learning and collaboration. The project also supports academic mobility for students and teachers. Through the project, students and teachers will enhance their knowledge and practices related to sustainability-oriented innovations, policies and systems. As part of this, the project enhances ethical and secure pedagogical use of generative AI to teaching and learning about these topics, including the design of the learning materials and evaluation of the participating students results and giving feedback to them using Large Language Models (LLM).
Partners University of Pretoria	The expected outcomes of the SOIGAI project include improved academic performance and societal use of created knowledge on sustainability-oriented innovations in Finland, South Africa and beyond, including having practical experiences on use of generative AI to address these topics. An integrated approach to sustainability and innovation as well as pedagogical use of generative AI for studying these topics are keys for successful development of societies and communities, not just in Finland and South Africa, but also more widely in the EU and southern Africa as a whole.



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