

15.12.2021

## Projekt som finansieras inom Specialfinansiering för forskning inom nyckelområden för grön och digital övergång 2021

Organisation	Sökande	Projektrubrik
Uleåborgs universitetet Geologiska forskningscentralen	Kozlovskaya, Elena Okkonen, Jarkko Suutala, Jaakko	Urban environment and climate change in the arctic: data-driven intelligence approach to multihazard mitigation
Geodatacentralen Uleåborgs universitetet Jyväskylä universitetet Teknologiska forskningscentralen VTT Ab	Honkavaara, Eija Hänninen, Tuomo Pölönen, Ilkka Saffre, Fabrice	Unmanned aerial systems based solutions for real-time management of wildfires (FireMan)
Helsingfors universitetet Aalto-universitetet	Ruotsalainen, Laura Järvi, Leena Kyrki, Ville Roncoli, Claudio	Artificial Intelligence for Urban Low-Emission Autonomous Traffic (AIForLEssAuto)
Aalto-universitetet Meteorologiska institutet Teknologiska forskningscentralen VTT Ab	Polojärvi, Arttu Haapala, Jari Heinonen, Jaakko	WindySea - Modelling engine to design, assess environmental impacts, and operate wind farms for ice-covered waters

Aalto-universitetet Teknologiska forskningscentralen VTT Ab	Foster, Adam Liljeroth, Peter Lehto, Joni	Microscopy and machine learning in molecular characterization of lignocellulosic materials (MIMIC)
Åbo universitetet Aalto-universitetet Jyväskylä universitetet	Peljo, Pekka Laasonen, Kari Pihko, Petri	Materials Development for Flow Batteries with Help of Explainable AI
Helsingfors universitet Naturresursinstitutet Meteorologiska institutet	Kulmala, Markku Lintunen, Anna Hynynen, Jari Lohila, Annalea	Managing Forests for Climate Change Mitigation (ForClimate)
Åbo universitetet Geodatacentralen Aalto-universitetet Uleåborgs universitetet Finlands miljöcentralen	Alho, Petteri Kaartinen, Harri Lotsari, Eliisa Marttila, Hannu Ronkanen, Anna-Kaisa	Green and digital transition in river basin management
Aalto-universitetet Geologiska forskningscentralen	Solowski, Wojciech Virtasalo, Joonas	Foundations and digital infrastructure for green offshore energy production close to Finnish coasts: from marine investigations to the numerical estimation of undrained shear strength of the seabed deposit layers under cycling loading
Finlands miljöcentralen Meteorologiska institutet Östra Finlands universitetet Helsingfors universitetet	Forsius, Martin Aurela, Mika Kumpula, Timo Mäkelä, Annikki	Evaluating integrated spatially explicit carbon-neutrality for boreal landscapes and regions
Aalto-universitetet Teknologiska forskningscentralen VTT Ab Naturresursinstitutet	Österberg, Monika Koivula, Anu Saranpää, Pekka	Enzyme-mediated attachment and detachment of multifunctional and biobased coating aided by digital material design (ENZYFUNC)

Meteorologiska institutet Teknologiska forskningscentralen VTT Ab Aalto-universitetet Finlands miljöcentral	Lindfors, Anders Kiviluoma, Juha Oliveira, Fabricio Ruokamo, Enni	EasyDR - Enabling demand response through easy to use open source approach
Aalto-universitetet University of Vaasa Finlands miljöcentral	Hyysalo, Sampsa Juntunen, Jouni Korhonen-Kurki, Kaisa	Digitally mediated decarbon communities in energy transition (DigiDecarbon)
Östra Finlands universitetet Geodatacentralen	Vastaranta, Mikko Hyypä, Juha	Capturing structural and functional diversity of trees and tree communities for supporting sustainable use of forests
Uleåborgs universitetet Åbo universitetet Tammerfors universitetet Aalto-universitetet	Röning, Juha Westerlund, Tomi Edelman, Harry Oksanen, Jani	Beyond carbon-neutral drone aerial deliveries with autonomous micro-airports in sustainable metropolitan areas
Teknologiska forskningscentralen VTT Ab Aalto-universitetet Naturresursinstitutet	Möttus, Matti Rautiainen, Miina Laaksonen, Jorma Myllymäki, Mari	Artificial intelligence, spatial statistics and Earth observation for digital twinning of forest diversity
Aalto-universitetet	Santasalo-Aarnio, Annukka Rinke, Patrick	AI-guided CO2 Conversion