

Want to contribute to FIRE risk prevention by collaboration and forest fire risk sensor platforms?

The purpose of the FIRE project is to contribute to the development of knowledge about the early phases of disaster management related to large rural fires, i.e. forest fires in forests, peatlands, grasslands and crops, in (mainly) the Scandinavian peninsula. FIRE will improve risk information from the operational context, and how it is made usable and distributed to relevant stakeholders, contributing to knowledge that will close gaps not addressed by ongoing wildfire management projects. One work package investigates and analyzes the (ignition) risk of rural fires by using artificial intelligence (AI) on data collected by sensors mounted on, for example, robots, drones or manned vehicles. The platform will be useful for fire prevention/mitigation and preparedness up to and including the detection of ignition. Another work package has the objective to identify new ways of working based on DevOps for organizations involved in the prevention/reduction of and preparedness for large rural fires. Specifically, we chose to focus on DevOps for civil preparedness organizations, domain-specific operators and equipment manufacturers: Which critical aspects of DevOps will ensure operators' obligation to act based on the risk information provided by the intended platform? The project acknowledges future trends: "... global warming... new, remote-controlled and all-electric forestry and agricultural machinery in the form of unmanned ground and aerial vehicles... hybrid warfare..." A master thesis here may fall under categories like **Industrial development /transformation , Sustainability/Innovation or Operations (risk management)**

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