

Press release

Agentur für Innovation in der Cybersicherheit GmbH

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Organisational matters, Research projects
Economics / business administration, Electrical engineering, Information technology, Physics / astronomy
transregional, national

MoIn-LaMAS: Situation orientation for mobile autonomous systems to establish a communication infrastructure

Agentur für Innovation in Cybersicherheit launches new research initiative MoIn-LaMAS: Situation orientation for mobile autonomous systems to establish a communication infrastructure On 22 January 2025, the Agentur für Innovation in der Cybersicherheit GmbH (Cyberagentur) published the call for proposals for the MoIn-LaMAS research project. The aim is to develop mobile communication infrastructures that can operate autonomously in crisis and disaster situations. With a focus on the reconfigurability and resilience of communication networks, the project aims to lay the foundation for future key technologies in disaster and border protection.

With the launch of the research project "MoIn-LaMAS - Mobile Infrastructure: Situation Orientation for Mobile Autonomous Systems", the Cyberagentur is pursuing the aim of strengthening the communication infrastructure in challenging deployment scenarios. The expected results from the research are to be used in disaster control, border protection and other scenarios with high time and action pressure.

"MoIn-LaMAS will make it possible to place autonomous communication nodes flexibly and efficiently in areas that are difficult to access. This creates new perspectives for rapid response in crisis situations and significantly improves the resilience of our communication infrastructures," explains Dr Eva-Maria Heinke, Head of Unit for Autonomous Intelligent Systems.

The project utilises swarm networks of heterogeneous unmanned systems to provide a mobile ad-hoc communication infrastructure. This can react autonomously to changing operating conditions, which represents a significant advance over previous stationary or satellite-based approaches. "MoIn-LaMAS utilises the latest technological approaches in the field of robotics and artificial intelligence to ensure a reliable and flexible solution," reports deputy project manager Tom Weber.

The project, with a research volume of 5 million euros and a duration of three years, will provide a decisive impetus for civil protection in Germany. The results of the research work will be evaluated in the form of a demonstrator to ensure that the technologies developed are suitable for practical use.

The call for proposals is aimed at research institutions and companies that would like to contribute to the further development of mobile communication with innovative concepts. Interested parties are invited to submit their proposals by 7 March 2025. Further information can be found on the website of the Agentur für Innovation in Cybersicherheit.

The invitation to tender was published in the Supplement to the Official Journal of the European Union with the contract notice number TED 46840-2025: <https://ted.europa.eu/de/notice/-/detail/46840-2025>. The closing date for the call for tenders is 7 March 2025.

Further information

<https://www.cyberagentur.de/schwerpunkte/schluesselformen/>

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Background: Cyberagentur

The Agentur für Innovation in der Cybersicherheit GmbH (Cyberagentur) was founded by the German Federal Government in 2020 as a fully in-house company of the Federal Government under the joint leadership of the German Federal Ministry of Defence and the German Federal Ministry of the Interior and Community with the aim of adopting a cross-departmental view of internal and external security in the field of cybersecurity with a focus on application strategy. Against this backdrop, the work of the Cyberagentur is largely aimed at the institutionalised implementation of highly innovative projects that are associated with a high risk in terms of achieving the objectives, but at the same time can have a very high potential for disruption if successful.

The Cyberagentur is part of the National Security Strategy of the Federal Republic of Germany.

The Cyberagentur is headed by Prof Dr Christian Hummert as Scientific Director and Managing Director and Daniel Mayer as Commercial Director.

contact for scientific information:

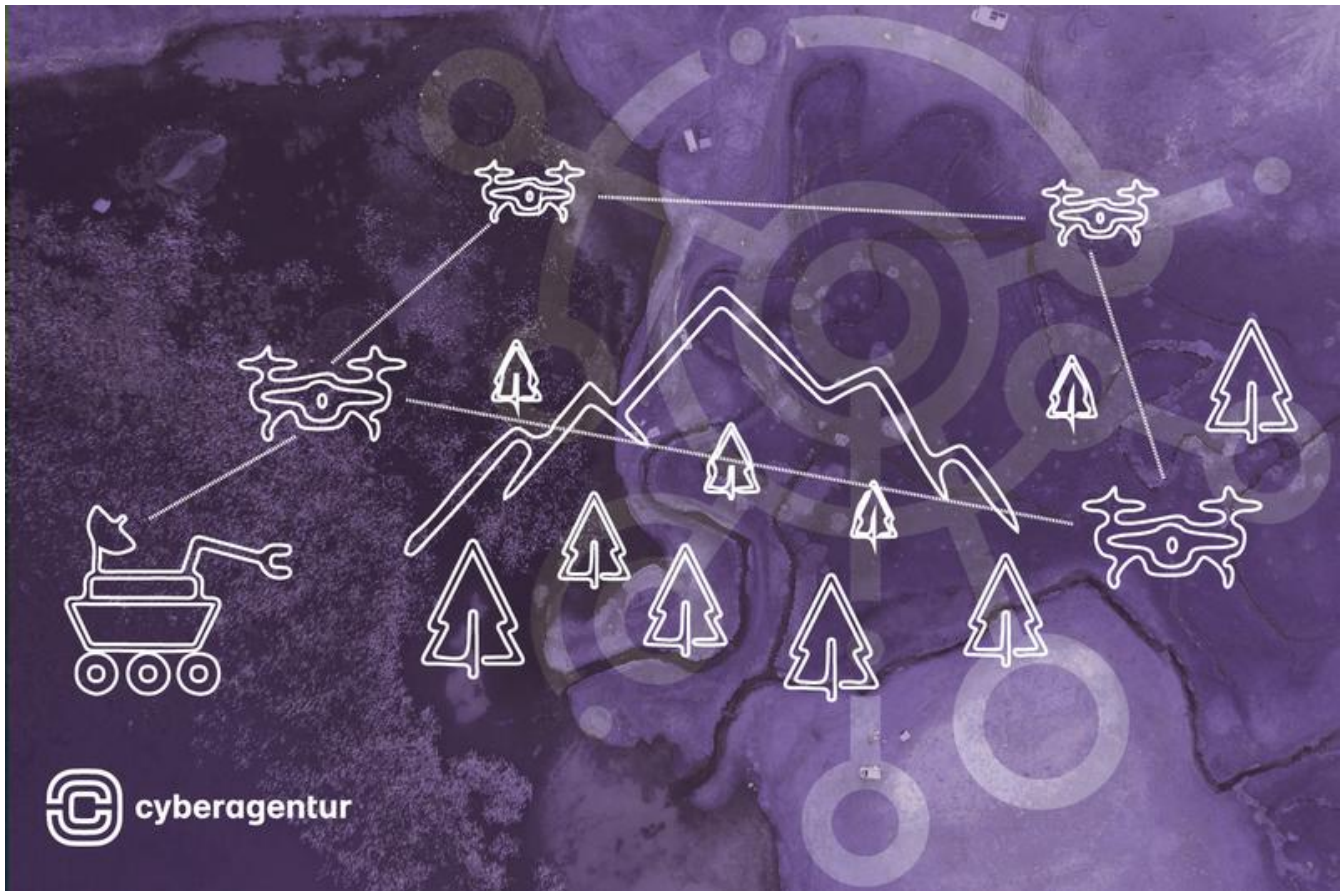
Dr Eva-Maria Heinke, Head of Unit for Autonomous Intelligent Systems
Tom Weber, Project Manager

Original publication:

<https://www.cyberagentur.de/en/press/moin-lamas-lageorientierung-fuer-mobile-autonome-systeme-zum-aufbau-einer-kommunikationsinfrastruktur/>

URL for press release: <https://ted.europa.eu/de/notice/-/detail/46840-2025>

URL for press release: <https://www.cyberagentur.de/en/focal-points/key-technologies/>



New call for proposals launched for research programme "MoIn-LaMAS Situation orientation for mobile autonomous systems to build a communication infrastructure".

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