FLCM and its transfer of research results into practice (2019-2023)

Between 2019 and 2023, the Faculty of Logistics and Crisis Management (FLCM) of Tomas Bata University in Zlín will focus on the effective transfer of research results into practice. This transfer was implemented through close cooperation with the Centre for Technology Transfer (CTT) of UTB and by developing commercialisation activities. Emphasis was placed on applied research that had a concrete and real impact on society. FLCM was actively involved in projects that not only promoted scientific progress but also brought innovative solutions to public administration and the general public.

Cooperation with the Centre for Technology Transfer (CTT)

The UTB Technology Transfer Centre plays a key role in the transfer of technological and scientific results into practice. During this period, FLCM developed its cooperation with CTT, which led to the implementation of several projects aimed at commercialization of scientific outputs. CTT not only assists in the application of research results in industry, but also supports the commercial exploitation of new technologies, which brings direct economic benefits and innovation.

Applied research with real impact

One of the key areas of focus for the FLCM was applied research, the results of which had a real impact on public administration, the protection of the population and the improvement of ecological processes. In this context, specific tools and technologies were developed that were not only theoretically valuable but also practically applicable. Projects that focused on this area had a direct impact on the daily lives of citizens and the management of public institutions.

TAČR GAMA projects

Within the framework of the GAMA Programme, which supports applied research and technology transfer, the FLCR has implemented several important projects that have had a positive impact in the areas of crisis management, nature conservation and public safety. Two of these projects, specifically TG03010052, were part of a broader research effort aimed at creating tools that will be applicable to public administration and conservation.

TG03010052 - Web application of the methodology for the registration and evaluation of improvised shelter sites

**This project aimed to develop a web application for recording and evaluating spaces for improvised shelters and permanent shelters.** The application, developed within this project, is primarily intended for municipalities facing crisis situations such as natural disasters or other emergencies. This web application assists mayors of municipalities with extended powers, such as Uherské Hradiště, in fulfilling their legal obligations regarding civil protection. The application provides a comprehensive solution for public shelters, not only improving crisis management efficiency but also helping municipalities comply with legislative requirements.

**TG03010052 – National Database of Camera Trap Records**

A second major project focused on creating a conceptual schema and a logical model for a national database of camera trap records. This database enables efficient processing of records captured by camera traps, which are a key tool for wildlife conservation and monitoring free-living animals. The outcome of this project significantly enhanced data processing efficiency and facilitated access to this information for researchers, conservation organizations, Lesy ČR (Forests of the Czech Republic), and other institutions involved in nature and environmental protection.

**Commercial Use and Benefits for Society**

One of the main goals of these projects was the commercial utilization of research results. The developed applications and databases were licensed and offered to public institutions and other partners for a fee. This approach not only supports the development of commercial activities but also ensures that research outcomes have a long-term and practical impact on society. These projects serve as examples of an effective connection between research and commercialization, where scientific knowledge brings direct benefits to both public institutions and experts in crisis management and nature conservation.

**Conclusion**

Between 2019 and 2023, FLCM focused on transferring applied research results into practice, leading to the development of several innovative tools for public administration, crisis management, and nature conservation. Through close collaboration with the UTB Technology Transfer Center and support for commercialization activities, FLCM helped bring scientific outputs into real-world applications, creating products that have a tangible impact on improving public safety and environmental protection. This collaboration and focus on applied research provide concrete benefits for society, promote innovation, and ensure the lasting impact of research on everyday life.

[Programy VaVaI - IS VaVaI](https://www.isvavai.cz/cea?s=programy&ss=detail&n=0&h=TG)

[Jednoduché vyhledávání - IS VaVaI](https://www.isvavai.cz/cep?s=jednoduche-vyhledavani&ss=detail&n=0&h=TG03010052)

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