5G Corridor Munich–Prague

ONLINE WORKSHOP

eHealth Aligned with User Needs

Opportunities for Bavarian-Czech Cooperation

THURSDAY, 14 MARCH 2024 (ON ZOOM)

Registration by 8 March using the following link: https://forms.gle/jSe29dEt1cw7q3K87

PROGRAMME

Part 1: Good Practice Examples and Funding Opportunities

9:30 AM - 10:30 AM

- Introduction, *Jana Lachmann*, Project Lead, 5G Corridor Munich-Prague
- Project presentation:
  - **5G for University Hospital in Frankfurt** - *Michael von Wagner*, Director of the University Center for Digital Healthcare, Goethe University hospital Frankfurt
  - **Cross-border Emergency Rescue** - *Manfred Maurer*, Project Lead „Cross-border Emergency Rescue", Bavarian Red Cross
  - **med4PAN** - *Anna Schmaus-Klughammer*, 5G Use Case Coordinator; European Campus Rottal-Inn, TH Deggendorf
- **Funding Opportunities** for Cross-border Collaboration, *Michaela Eggert*, Project Manager, BayFOR
- Closing Remarks

Moderator: Jana Lachmann

Learn more about the projects at https://www.munich-prague.org/news--events.html

10:30 AM - 10:45 AM Break

Part 2: Connecting Your Project Idea with the Right Partner - Online Networking and Ideas Marketplace (Optional with Limited Capacity)

10:45 AM - 11:45 AM

Facilitator: Jana Lachmann

Contact person: Michaela Eggert at munich-prague@bayfor.org

PRESENTED PROJECTS

5G4UH: 5G for University Hospital

The 5G4UH: 5G for University Hospital project is funded within the 5G for Smart Communities action under the Connecting Europe Facility Digital programme (CEF Digital). The project partners Vodafone GmbH and Frankfurt University Hospital in Germany work together to deploy a leading-edge 5G infrastructure at the university hospital, thus enabling innovative 5G use cases and improving the provision of public health services. Various 5G-based use cases have already been prepared by the University hospital in order to be applied in daily hospital operations. There will be tele-ultrasound devices as well as innovative monitoring solutions and new solutions to organize hospital logistics – all of which contribute to better care, to more efficient processes and to better use of resources and medical skills. The project started in January 2023 and will be completed by the end of June 2025.

More information: https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/projects-details/43251567/101094477/CEF

Cross-border Emergency Rescue

The project Cross-border Emergency Rescue, funded under the Interreg Bavaria-Czech Republic program, is a joint initiative by the Bavarian Red Cross Cham and the Rescue service of the Pilsen region. Over three years, the project aims to further develop cross-border cooperation in emergency services beyond day-to-day business - for example through bilingual operational documentation, the use of artificial intelligence (AI) in communication or knowledge transfer in the form of internships and exercises. Medical facilities in Bavaria and the Czech Republic are to be made accessible to all citizens and institutions through digitalization. Among other things, a bilingual emergency call app will be developed for this purpose. The initiative is already the third INTERREG project between the two partners on this topic. The basic structures for the cross-border rescue service have been created since 2016 through the two initial projects.

PRESENTED PROJECTS

med4PAN

The 5G research project med4PAN changes healthcare in rural areas by leveraging ultra-fast and reliable connectivity to improve medical services and training. By utilizing virtual reality (VR) and augmented reality (AR) glasses, it transforms medical education. AR technology provides nursing staff with real-time information for wound management, enhancing patient care and safety. The project introduces a sophisticated system for tracking medical devices within facilities, ensuring efficient use and maintenance. It also streamlines emergency services by linking ambulances with hospital teams, enabling real-time data sharing and preparation for incoming patients. Remote consultations are redefined through the transfer of high-resolution histopathological images, facilitating timely diagnoses regardless of distance. Drones equipped with defibrillators are deployed for rapid response to cardiovascular emergencies outside hospitals, showcasing the potential of 5G in lifesaving operations. This integration of 5G technology addresses critical challenges in healthcare delivery, training, and emergency response. med4PAN demonstrates the power of connectivity in creating a more efficient, responsive, and accessible healthcare system. Ultimately, the project sets a new benchmark for the use of advanced technology in enhancing and saving human lives in rural and remote areas.

More information: https://www.med4pan.de/

About the 5G Corridor Munich-Prague (organizer)

The 5G Corridor Munich-Prague supports the development and implementation of joint cross-border projects, particularly in scientific, technological, and economic cooperation in the application areas of eHealth, Connected Mobility, Smart Regions, and Cybersecurity. It is based on a joint declaration by the Bavarian State Chancellery, Bavarian Ministry of State for Federal and European Affairs and Media, and the Ministry for Industry and Trade of the Czech Republic from 2020, aiming to jointly propel digital transformation.

More information: www.munich-prague.org