

**Interreg
Danube Region**



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BrAIIn

BRinging Artificial INtelligence towards SMEs

Vienna, June 2024.

Balázs Barta

Establishing the
Artificial Intelligence Working
Group (AI WG)
within the Danube region PA8.

2019

Sub-projects were
conceptualized and outlined

2022

Submission and award of the
BrAIIn project

2018

White Paper Strategy outlining the
application of Artificial Intelligence
within the European Union Strategy for
the Danube Region (EUSDR).

2020-2021

Face-to-face meeting organized in
Szombathely (HU) to define common
objectives, structures, roles for the
BrAIIn project

2023

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What Do Aim For?

Familiarizing SMEs with the **relevance and potential of AI**

AI and i5.0 skills in specific sectors

- agri-food, manufacturing and health

Pre-defined **challenges**

- energy shortage, labor force shortage and raw material shortage

Pre-defined **demo cases**

- in the 3 specific sectors

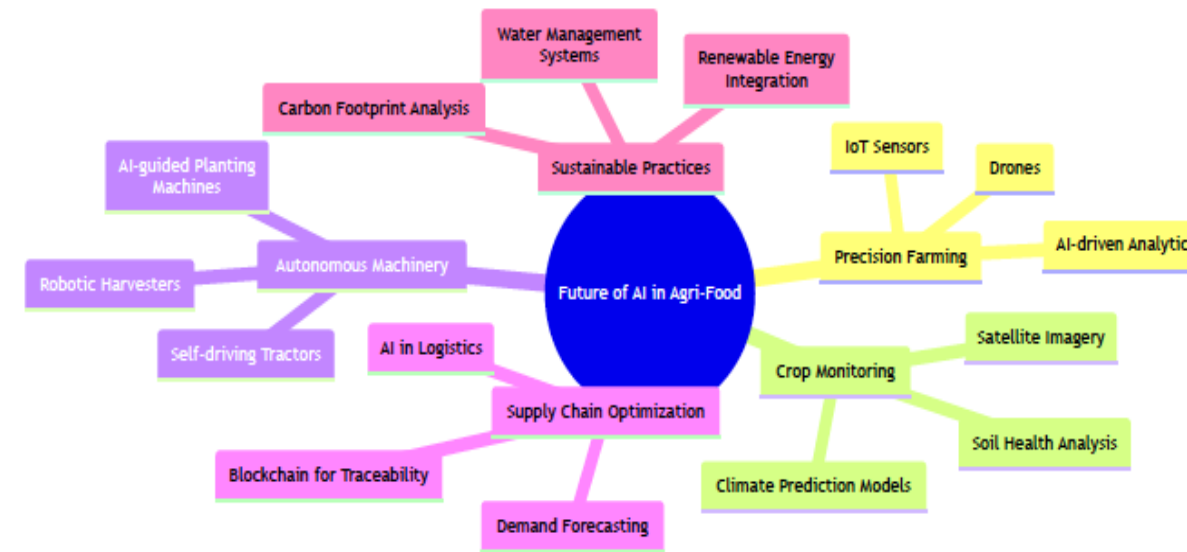
Building on available **knowledge and long-term cooperation**

- EUSDR PA 8 AI WG

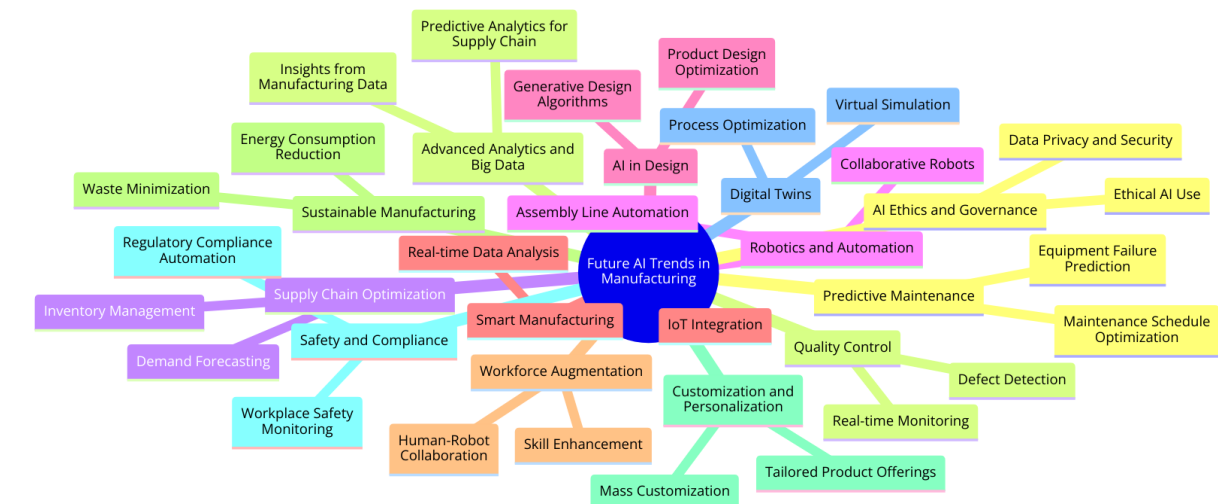
Exchange of knowledge

- staff, trainers and stakeholders

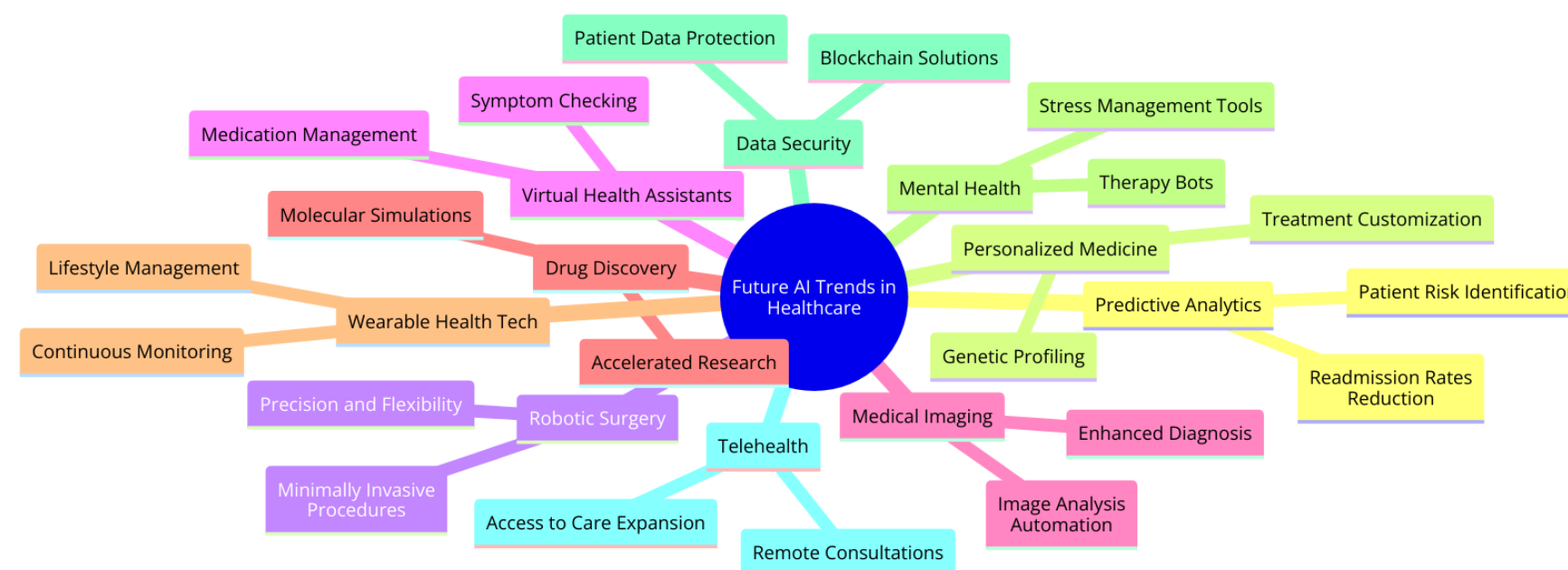
How Do We Do It?



- Process Optimization
- Quality Control and Monitoring
- Predictive Maintenance
- Human-Robot Collaboration and Ergonomics

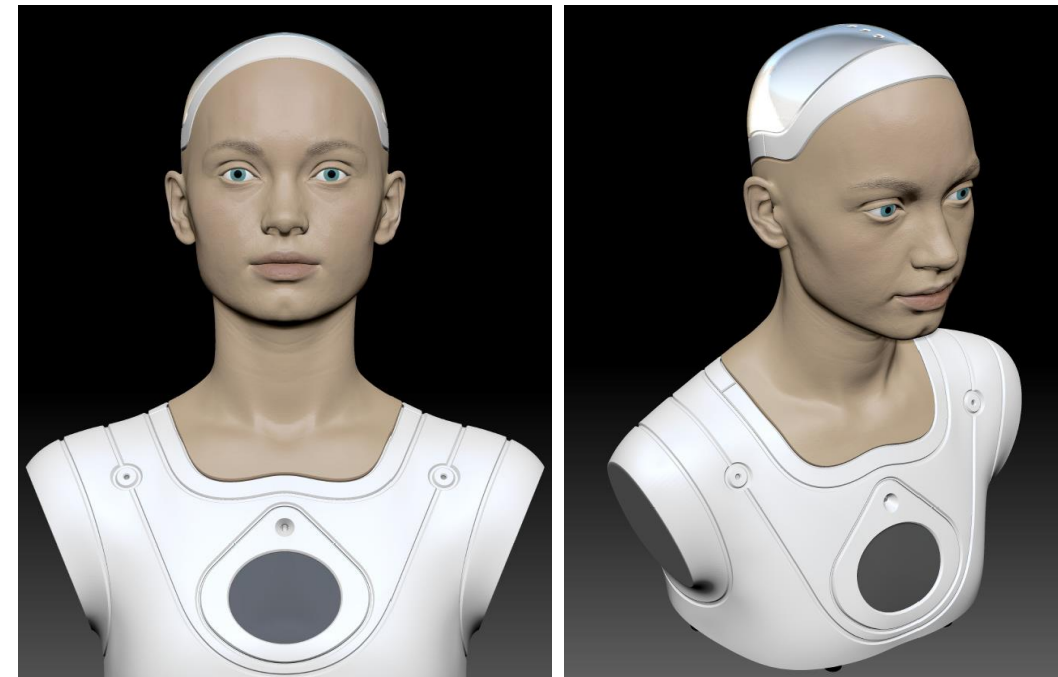


- Enhanced Diagnostics
- Advancements in Image-Based Specialties
- Precision Medicine Development
- Robotic Surgery and AI-powered Devices

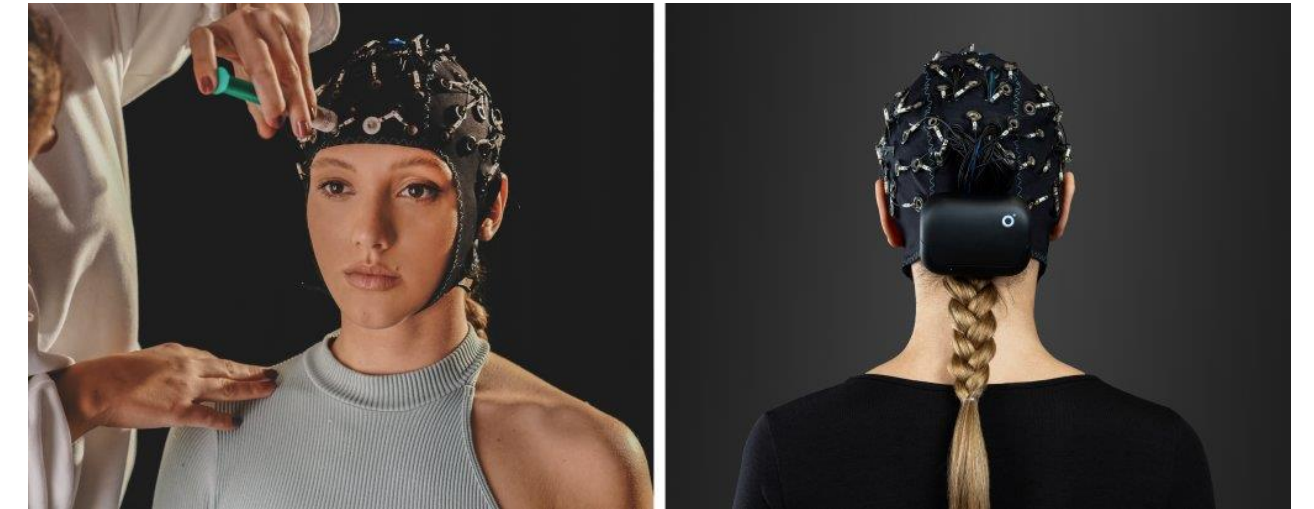


How Do We Do It?

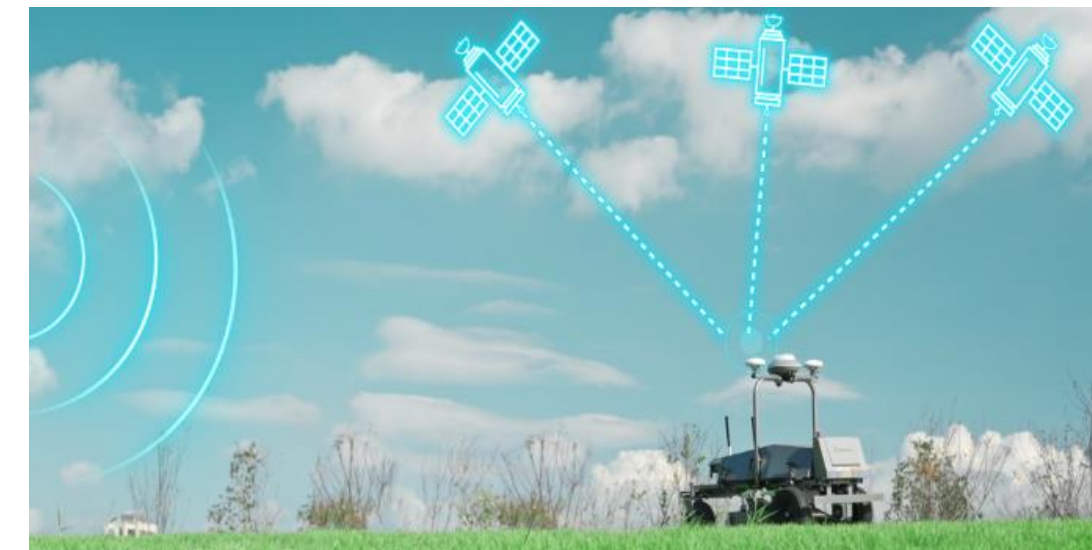
- EEG for emotion detection
- Industry5.0 application
- Human-Robot collaboration



- Drone mobile robot integration
- Weed, crop health detection
- Optimalization of resources



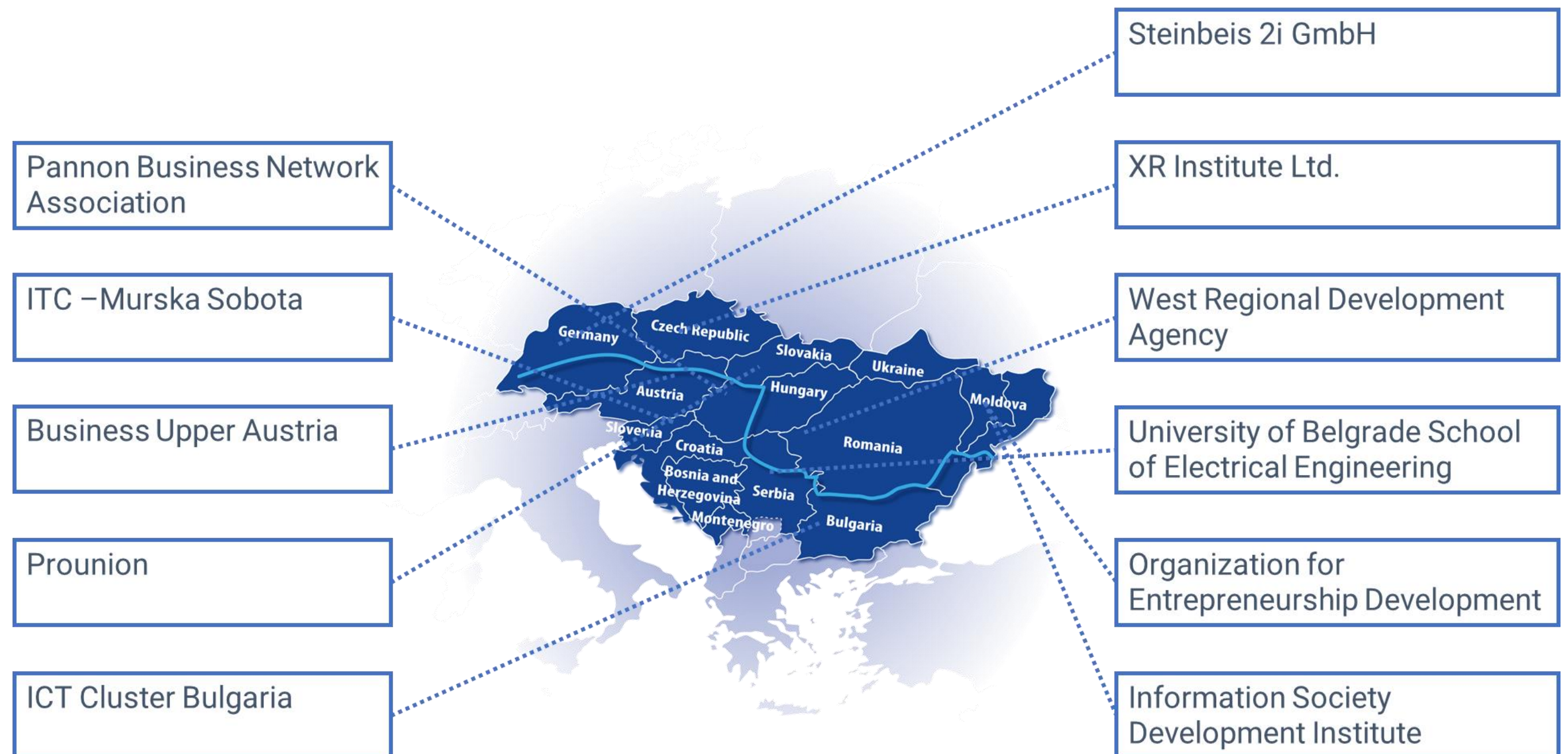
- Humanoid
- Application in Healthcare
- Human-Robot collaboration
- Generative AI solutions



What Is Next?



- Staff Exchange
- Train the Trainers
- Local Seminars
- Platform for Dissemination
- Involvement in Other Projects
- Generation of Further Actions



Further relevant projects

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CENTRAL EUROPE



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SMART CIRCUIT

Enabling SMARTer, CIRCULAR digITal innovation hubs to enhance manufacturing eco-system for a greener & more competitive future

Smart and Circular Manufacturing

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SpinIT

Boosting innovation, smart specialization and encouraging Spinoffs in IT across the Danube Region

S3, innovation and IT spin-offs

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WE.Circular

Boosting digital and industrial capacity for sustainable circular transition of women entrepreneurs

Circularity and Digital for Female Entrepreneurs

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IaaS 4 DR

Innovation as a Service for accelerated innovation and industrial transition in industrial rural and remote areas with low innovation capacity

Innovation as a Service in rural areas

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CENTRAL EUROPE



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RehAllianCE

Optimizing usage of new technologies in rehabilitation to improve life quality of Central Europe inhabitants

New Technologies in Rehabilitation

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RurALL

Liveable Rural Communities in the Future - A new integrated governance model for managing the depopulation of rural areas

Integrated Governance of Rural Areas

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DECORATOR

Danubians Cradle-to-Cradle Architecture and construction processes

Cradle-to-Cradle Architecture

**Thank you for your
attention.**

<https://interreg-danube.eu/projects/brain>

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