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CENTRAL EUROPE



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SMART CIRCUIT

Learning

BEYOND BORDERS

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ABOUT THE Study Visits

Within the SMART CIRCUIT project framework, a total of 12 Transnational Mobility Missions (TMMs) were implemented across 8 Central and Southern European countries, forming a structured, experience-based knowledge exchange mechanism among Digital Innovation Hubs (DIHs), research institutions, industry actors, and policy stakeholders.

The missions were fully embedded in the project's capacity-building and strategic cooperation framework.

They translated SMART CIRCUIT's strategic ambitions into practical

learning experiences, enabling partners to observe operational models, testbed infrastructures, governance mechanisms, and SME support services in real environments. Through structured peer learning and direct interaction, the TMMs strengthened interregional trust, aligned service portfolios, and initiated follow-up pilot concepts and joint project ideas. The mobility-based format proved

100+ HOSTED
PARTICIPANTS

significantly more effective in building durable cooperation than remote coordination alone. Most importantly, the missions laid the operational foundations for the

Circular Industry Development Corridors (CIDCs) and reinforced SMART CIRCUIT's transnational innovation network. The TMMs focused on three interconnected transformation pillars:



DIGITAL
TRANSFORMATION



CIRCULAR
ECONOMY



ADVANCED
MANUFACTURING

Krakow Technology Park (KPT)

Key Activities

Krakow Technology Park (KPT) hosted a Transnational Mobility Mission in Krakow (December 2024), combining study visits, live robotics demonstrations, and a collaborative workshop with Digital Innovation Hubs and clusters. The mission provided hands-on insights into industrial automation, robotics, and digital transformation solutions, while creating a platform for exchange between research, industry, and innovation actors.

KPT also participated as a guest in a Transnational Mobility Mission in the Czech Republic (August 2025), including testbed visits and collaboration meetings to further strengthen cross-border cooperation. These activities enabled direct experience of advanced technologies and innovation support models, while deepening partnerships with Central European DIHs.

Key Outcomes

- Strengthened cross-border collaboration and trust
- Enabled knowledge exchange in AI, robotics, and digitalisation
- Initiated partnerships and joint projects



HOSTED:
13.12.2024 | KRAKOW, POLAND

PARTICIPATED:
20.08.2025 | KURIM, CZECH REPUBLIC

Forschung Burgenland (FB)

Key Activities

Forschung Burgenland (FB) hosted a Transnational Mobility Mission in Eisenstadt (November 2023), showcasing eye-tracking and emotional analysis technologies through hands-on demonstrations and real-life case studies. The mission highlighted how sensory and behavioral data can support product development, user experience design, and industrial innovation, while fostering collaboration between research institutions, DIHs, and SMEs.

FB also participated as a guest in a Transnational Mobility Mission in Szombathely (March 2025), exploring advanced automation, AI-driven robotics, and neuroscience-based technologies in a pilot factory environment. These activities enabled the integration of human-centered research with industrial applications, while strengthening cooperation with regional innovation actors.

Key Outcomes

- Strengthened cross-border collaboration between research institutions and DIHs
- Enabled knowledge exchange in AI, neuroscience, and human-centered digitalisation
- Initiated partnerships and joint projects in user experience and behavioral analytics



HOSTED:
21.11.2023 | EISENSTADT, AUSTRIA

PARTICIPATED:
04.03.2025 | SZOMBATHELY, HUNGARY

PROFACTOR

Key Activities

PROFACTOR hosted a Transnational Mobility Mission in Wels (November 2024) במסגרת PANORAMA 2024, combining presentations, workshops, and discussions on circular economy implementation and digital innovation in manufacturing. The mission showcased real-life applications such as AI-based recycling and “test before invest” approaches, while fostering exchange between research, industry, and innovation stakeholders.

PROFACTOR also participated as a guest in a mobility mission in Stuttgart (March 2025), focusing on additive manufacturing, sustainable production models, and material flow analysis at a leading German innovation hub. These activities enabled knowledge exchange on circular manufacturing practices and strengthened links with the German digital innovation ecosystem.

Key Outcomes

- Strengthened cross-border collaboration between Austrian and German innovation actors
- Enabled knowledge exchange in circular economy, AI-driven recycling, and sustainable manufacturing
- Initiated partnerships and follow-up actions, including pilot projects and joint R&D activities

PARTICIPATED:
27.03.2025 | STUTTGART, GERMANY

HOSTED:
27-28. 11 2025 | WELS, AUSTRIA



Key Activities

Fraunhofer IWU participated as a guest in the Transnational Mobility Mission hosted by PROFACTOR in Wels (November 2024) במסגרת PANORAMA 2024. During the mission, IWU contributed to knowledge exchange activities on circular economy and digital innovation in manufacturing, engaging in discussions, workshops, and networking with project partners and stakeholders.

Key Outcomes

- Contributed to cross-border knowledge exchange in circular economy and advanced manufacturing
- Strengthened collaboration within the SMART CIRCUIT innovation network
- Supported joint learning through participation in workshops and expert discussions



PARTICIPATED:
27-28. 11 2025 | WELS, AUSTRIA

microTEC Südwest (mTSW)

Key Activities

microTEC Südwest (mTSW) hosted a Transnational Mobility Mission in Stuttgart (March 2025) at the ARENA2036 innovation campus, focusing on additive manufacturing, sustainability, and circular economy applications. The mission enabled in-depth exchange on material efficiency, lifecycle approaches, and tools such as Material Flow Cost Accounting, while fostering collaboration with PROFACTOR and Hahn-Schickard.

mTSW also participated as a guest in a Transnational Mobility Mission in Szombathely (March 2025), exploring digital and circular transformation solutions in manufacturing SMEs at am-LAB. The visit provided insights into smart materials, additive manufacturing, AI, and robotics, while identifying synergies with regional research and innovation networks.

Key Outcomes

- Strengthened cross-border collaboration between German and Central European innovation actors
- Enabled knowledge exchange in additive manufacturing, smart materials, and digital manufacturing technologies
- Initiated partnerships and future cooperation in R&D, SME support, and joint innovation activities

HOSTED:
27.03.2025 | STUTTGART, GERMANY

PARTICIPATED:
04.03.2025 | SZOMBATHELY, HUNGARY





SIIT (Ligurian Intelligent Systems and Technologies District)

Key Activities

SIIT hosted a Transnational Mobility Mission in Genoa (April 2025), showcasing regional circular economy strategies through site visits at the Genoa Blue District and presentations at SIIT facilities. The mission highlighted urban regeneration, open innovation testbeds, and multi-actor governance models, while fostering exchange between public authorities, research organisations, and SMEs.

SIIT also participated as a guest in a Transnational Mobility Mission in Friuli Venezia Giulia (February 2025), exploring advanced manufacturing, robotics, and circular production systems through industrial visits and workshops. These activities provided hands-on insights into digital transformation, AI, and sustainable manufacturing practices.

Key Outcomes

- Strengthened cross-border collaboration within the Italian and wider European innovation ecosystem
- Enabled knowledge exchange in circular economy, advanced manufacturing, and digital transformation
- Initiated new partnerships and opportunities for joint pilot projects and knowledge transfer



PARTICIPATED
11.02.2025 | PORCIA, ITALY

HOSTED:
10-11.04.2025 | GENOA, ITALY

SIIT (Ligurian Intelligent Systems and Technologies District)

Key Activities

COMET hosted a Transnational Mobility Mission in Friuli Venezia Giulia (February 2025), combining industrial site visits and a collaborative workshop to showcase advanced manufacturing, robotics, and circular production systems. The mission provided hands-on insights into sustainable aluminum recycling, AI-driven robotics, and smart manufacturing solutions, while fostering exchange between industry, research, and innovation actors.

COMET also participated as a guest in a Transnational Mobility Mission in Szombathely (March 2025), exploring digital and circular transformation practices through visits to am-LAB and Falco Wood Industry. These activities enabled direct experience of automation, AI, and sustainable production models, while strengthening collaboration with Central European partners.

Key Outcomes

- Strengthened cross-border collaboration between Italian and Central European innovation actors
- Enabled knowledge exchange in advanced manufacturing, circular production, and digital transformation
- Initiated partnerships and follow-up activities in SME support, training, and joint innovation projects



PARTICIPATED:
04.03.2025 | SZOMBATHELY, HUNGARY

HOSTED:
11.02.2025 | PORCIA, ITALY

TECOS

Key Activities

TECOS hosted a Transnational Mobility Mission in Celje (June 2025), bringing together research institutions and innovation actors to explore cooperation in circularity and recycling technologies. The mission included facility visits, presentations, and a working meeting focused on defining joint projects, funding opportunities, and knowledge exchange in areas such as microplastics and battery recycling.

TECOS also participated as a guest in a Transnational Mobility Mission in Varaždin (May 2025), engaging in discussions, study visits, and exchanges on environmental engineering and circular economy solutions. These activities supported the identification of shared challenges and opportunities in sustainable materials and innovation ecosystems.

Key Outcomes

- Strengthened cross-border collaboration between Slovenian and Croatian innovation actors
- Enabled knowledge exchange in circular economy, recycling technologies, and environmental engineering
- Initiated concrete joint projects, including cooperation on microplastics and battery recycling



PARTICIPATED:
15.05.2025 | VARAZDIN, CROATIA

HOSTED:
11.06.2025 | CELJE, SLOVENIA

Pannon Business Network (PBN)

Key Activities

Pannon Business Network (PBN) hosted a Transnational Mobility Mission in Szombathely (March 2025), combining study visits at am-LAB and Falco Wood Industry to showcase digital transformation and circular manufacturing in practice. The mission provided hands-on insights into smart manufacturing technologies, applied R&D, and sustainable production systems, while fostering exchange between industry, policymakers, and innovation actors.

PBN also participated as a guest in a Transnational Mobility Mission in Eisenstadt (November 2023), exploring eye-tracking and emotional analysis technologies and their applications in product development and user-centered design. These activities enabled the integration of advanced analytical tools into industrial innovation processes and strengthened collaboration with research partners.

Key Outcomes

- Strengthened cross-border collaboration between Hungarian and Austrian innovation actors
- Enabled knowledge exchange in digital manufacturing, circular economy, and user-centered innovation
- Initiated partnerships and follow-up activities combining industrial and data-driven innovation approaches

PARTICIPATED:
21.11.2023 | EISENSTADT, AUSTRIA

HOSTED:
04.03.2025 | SZOMBATHELY, HUNGARY



TECHNICAL UNIVERSITY
OF KOŠICE

Technical University of Košice (TUKE)

Key Activities

The Technical University of Košice (TUKE) hosted a Transnational Mobility Mission in Košice (October 2025) as part of the Ulysseus Košice Week, combining presentations and hybrid lab visits to showcase its research infrastructures and digital innovation capabilities. The mission enabled knowledge exchange on digitalisation, sustainability, and decarbonisation, while fostering collaboration among Digital Innovation Hubs across multiple European countries.

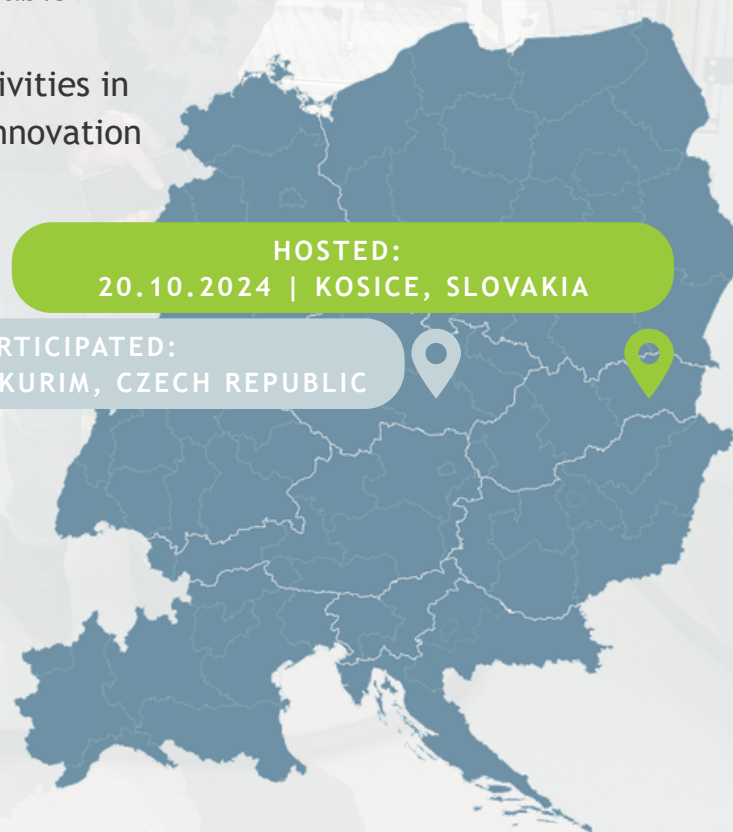
TUKE also participated as a guest in a Transnational Mobility Mission in Kuřim and Brno (August 2025), exploring advanced testbeds in automation, robotics, and Industry 4.0. These activities provided practical insights into SME support models and innovation services, while strengthening cooperation with Central European partners.

Key Outcomes

- Strengthened cross-border collaboration within the Central European DIH network
- Enabled knowledge exchange in digital manufacturing, automation, and sustainable innovation
- Initiated partnerships and follow-up activities in pilot projects, SME services, and joint innovation initiatives

HOSTED:
20.10.2024 | KOSICE, SLOVAKIA

PARTICIPATED:
20.08.2025 | KURIM, CZECH REPUBLIC



INTEMAC Solutions

Key Activities

INTEMAC Solutions hosted a Transnational Mobility Mission in Brno and Kuřim (August 2025), showcasing advanced testbed infrastructures and Industry 4.0 technologies through study visits and collaboration meetings. The mission provided hands-on insights into automation, robotics, machine vision, and flexible manufacturing, while fostering exchange among Central European Digital Innovation Hubs.

INTEMAC also participated as a guest in Transnational Mobility Missions in Krakow (December 2024) and Szombathely (March 2025), exploring applications of robotics, BIM systems, digital twins, and AI-driven solutions in both industrial and cross-sectoral contexts. These activities expanded its perspective on digital transformation and strengthened cooperation with regional innovation actors.

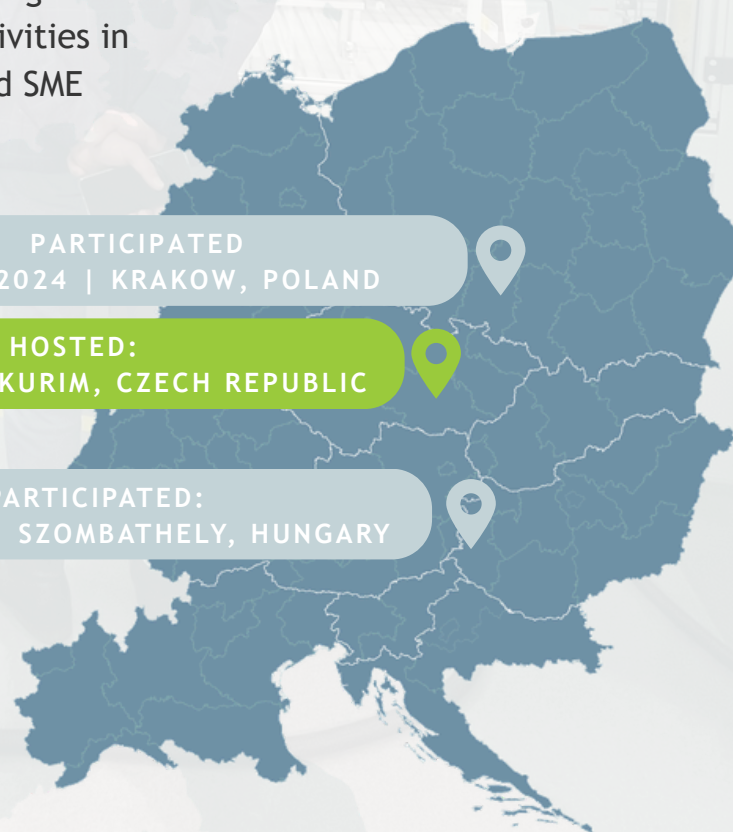
Key Outcomes

- Strengthened cross-border collaboration within the Central European innovation ecosystem
- Enabled knowledge exchange in robotics, AI, digital twins, and advanced manufacturing
- Initiated partnerships and follow-up activities in pilot projects, training programmes, and SME support initiatives

PARTICIPATED
13.12.2024 | KRAKOW, POLAND

HOSTED:
20.08.2025 | KURIM, CZECH REPUBLIC

PARTICIPATED:
04.03.2025 | SZOMBATHELY, HUNGARY



Croatian Chamber of Economy (HGK VZ)

Key Activities

HGK Varaždin hosted a Transnational Mobility Mission in Varaždin (May 2025), in collaboration with the University of Zagreb's Geotechnical Faculty, showcasing circular economy solutions through applied research in environmental engineering and recycling technologies. The mission highlighted innovative approaches such as battery recycling and pollution-reducing materials, while fostering exchange between academia, SMEs, and innovation actors.

HGK Varaždin also participated as a guest in a Transnational Mobility Mission in Szombathely (March 2025), exploring digital and circular transformation practices through visits to am-LAB and Falco Wood Industry. These activities provided insights into automation, smart manufacturing, and sustainable production models, while strengthening regional cooperation.

Key Outcomes

- Strengthened cross-border collaboration between Croatian and Central European innovation actors
- Enabled knowledge exchange in circular economy, environmental technologies, and digital manufacturing
- Initiated partnerships and follow-up activities in SME support, awareness-raising, and sustainable innovation initiatives

PARTICIPATED:
04.03.2025 | SZOMBATHELY, HUNGARY

HOSTED:
15.05.2025 | VARAZDIN, CROATIA

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