

EDIH

European Digital Innovation Hubs Network

Driving the EU's digital transformation



Germany

17

Members

16/17 *EDIHs



1/17 **SoE



26

Sectors

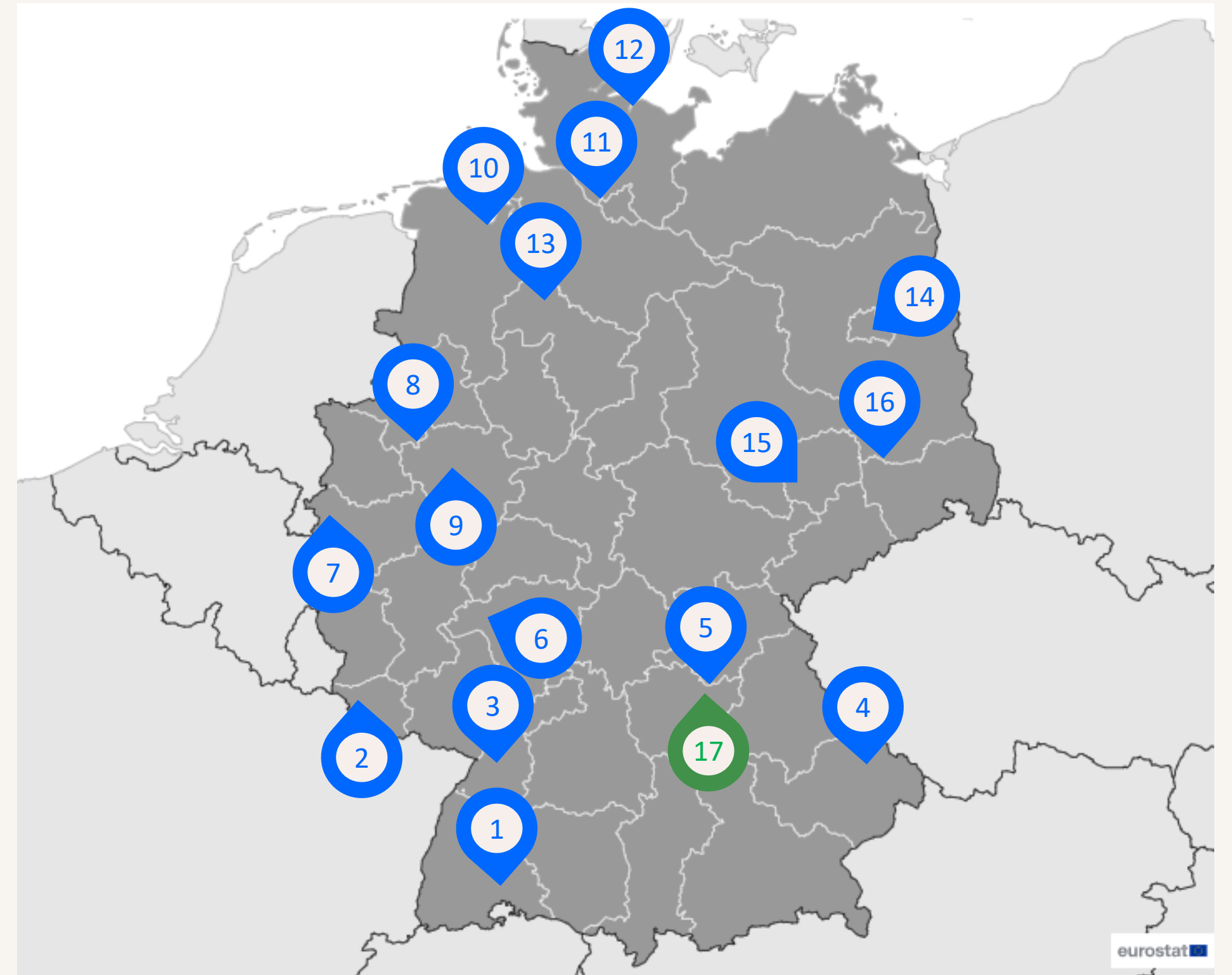
EDIHs in Germany

Include sectors such as manufacturing, automotive, public administration, and healthcare.

Play a key role in driving innovation ecosystems across sectors such as transportation and mobility, smart city initiatives, and energy.

Focus on sectors such as aeronautics, life sciences, and the cultural and creative economy, enhancing the vibrant landscape of digital innovation.

📍 EDIH 📍 SoE



■ *European Digital Innovation Hubs
■ **Seal of Excellence (SoE)

*Funded under Digital Europe Programme

Network overview: 17 members – 16 EDIHs

 European Digital Innovation Hub Thuringia	 CITAH	 European Digital Innovation Hub for Artificial Intelligence & Security	 Digital Innovation Ostbayern
BMH	CITAH	DIH4AISec	DInO
 EUROPEAN DIGITAL INNOVATION HUB Artificial Intelligence & CyberSecurity	 Co-funded by the European Union	 European Digital Innovation Hub	 European Digital Innovation Hub
EDIH-AICS	EDIH DIGICARE	EDIH Rheinland	EDIH Saarland
	 European Digital Innovation Hub Schleswig-Holstein		
EDIH Saxony	EDIH-SH	EDIH Suedwest	EDIH Suedwestfalen
	 European Digital Innovation Hub Dortmund	 Enabling Digital Innovation & Technology in Hesse	
EDIH4UrbanSAVE	EDIHDO	EDITH	Pro_digital

Network overview: 17 members – 1 SoE

edih  dibi
digital innovations
for bavarian industry

AIRE



24 Technologies

Leverage cutting-edge technologies, such as artificial intelligence and decision support, big data, and digital twins.

Lead in advancing high-performance computing, IoT, and robotics, fostering intelligent solutions in manufacturing, logistics, and human-computer interaction.

Focus on key areas like cybersecurity, virtual reality, and additive manufacturing.



Services

Lead in innovation management, excelling in prototyping, SME support, field trials, and technology transfer.

Prioritise ecosystem building, demonstrating their commitment to fostering innovation ecosystems.

Play a key role in technological innovation and regional development through knowledge transfer.

Good practices

Connecting regions: the international workshop on smart cities

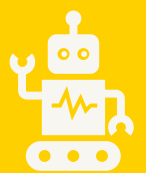
EDIH

edih
SAXONY



Services

Networking and access to innovation ecosystems



Technologies

Cybersecurity
AI and decision support
Big data



Sectors

Smart cities



Challenges

Cities and municipalities encounter considerable challenges in their efforts to become smarter and more efficient, especially **in mobility, energy, and tourism**. In Saxony, where many municipalities are small, it's essential to keep local leaders updated on the latest technological advancements.

EDIH Saxony, committed to overcoming these challenges, fosters active stakeholder collaboration and maintains an international perspective. This strategy aims to expedite the transition **towards smarter, more resilient cities and regions**.



Solutions

- EDIH Saxony tackled the challenge of advancing smart cities and regions by hosting the **international workshop 'Smart Cities & Regions'** with partners from **Germany, Poland, and the Czechia**.
- Innovative digital solutions are vital for future cities and regions and, addressing emerging challenges. Despite the difficulties of digital transformation for public administration, **it offers significant opportunities to improve efficiency, living standards, and regional value chains**. Embracing digitalisation can streamline public services, enhance connectivity, and promote sustainability and economic growth.

Good practices

Connecting regions: the international workshop on smart cities



Results and benefits

Benefits for municipalities

Start-ups dove deep into understanding the unique needs and challenges of local governance. This hands-on exploration led to tailor-made, innovative solutions that addressed the specific dynamics of each community.

Benefits for the start-ups

Experience exchange, best practices, and knowledge sharing was promoted, fostering cross-border collaboration between Germany, Poland, and Czechia, leveraging diverse regional expertise.

Benefits for EDIHs

The EDIHs behind the event scored big on collaboration, gaining rich insights into the digital innovation landscape.

This dynamic event brought together 89 participants from Czechia, Germany, and Poland!



Lessons learnt

- ✓ Foster cross-border partnerships with other EDIHs for diverse expertise and knowledge sharing.
- ✓ Engage professional interpreters for clear communication at international events.
- ✓ Provide start-ups opportunities to pitch their innovative solutions to stakeholders.
- ✓ Encourage interdisciplinary collaboration by bringing together actors from various sectors.
- ✓ Maintain a balanced agenda, prioritising quality over quantity to ensure adequate attention and a diverse selection of start-ups.

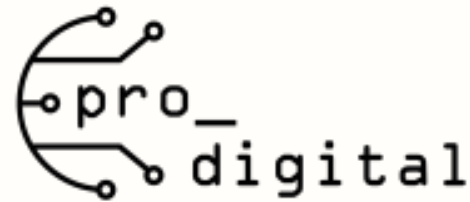


Showcase of the workshop 'Connecting regions: the international workshop for smart cities and regions'

Success stories

Supporting Gas Grün GmbH's success in AI, marketing and prototyping using 3D printing.

EDIH



CUSTOMER

- Gas Grün GmbH
- [Website](#)
- Micro-sized enterprise with 1-9 employees.



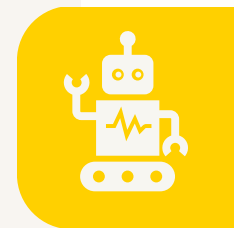
Service type

Test before invest
Networking and access to innovation ecosystems



Technologies

AI and decision support

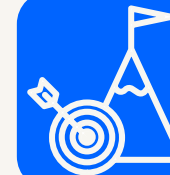


Sectors

Energy, fuels and petroleum engineering



Challenges



Optimise biogas plant efficiency through advanced AI, **enhance prototyping** and visual communication with 3D printing, and **increase market visibility** to showcase their environmental and technological innovations.

Solutions



- **Completed comprehensive penetration testing** (T0 DMA measurement to assess digital maturity).
- Developed a **customised control system** for optimising biogas plant efficiency and enhancing automation.
- Facilitated **connections with marketing partners** experienced in the sustainable energy sector.
- Established **3D printing** collaboration.

Success stories

Supporting Gas Grün GmbH's success in AI, marketing and prototyping using 3D printing



Thanks to EDIH pro_digital the SME achieved:

- **increased efficiency:**

operational processes have been optimised, allowing for improved automation and real-time monitoring by 20%;

- **accelerated product development:**

product development cycle was accelerated by 30% as a result of using 3D printing;

- **increased Gas Grüns' visibility:**

Gas Grüns' visibility increased by 30% within the sustainable energy sector



Results and benefits

- **Operational improvement**

Demonstrated how digital transformation can benefit start-ups and SMEs;

- **Enhanced efficiency**

Aligned with sustainability objectives by optimising resource use and reducing environmental impact;

- **Innovative impact**

Contributed to broader climate change efforts and promoted sustainable practices within the community.



3D-printed container prototype and final container of Gas Grün GmbH



Lessons learnt

- ✓ Strategically identify and integrate specialised partners (AI solution providers, marketing experts, 3D printing specialists) with industry-specific expertise.
- ✓ Optimise synergy between digital and traditional marketing approaches.