

EDIH

European Digital Innovation Hubs Network

Driving the EU's digital transformation



Romania

7

Members

7/7 *EDIHs



29

Sectors

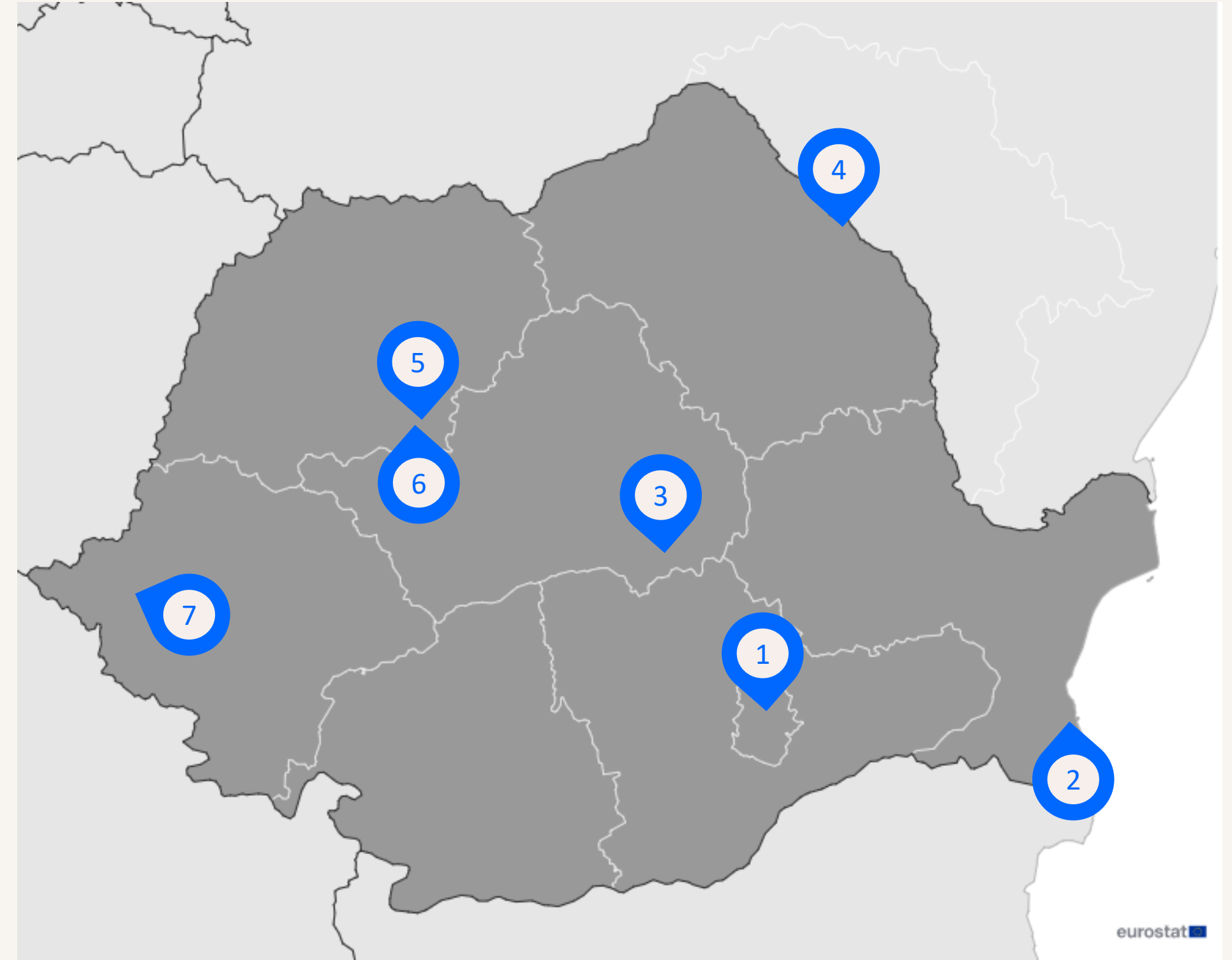
EDIHs in Romania

Prioritise critical sectors including public administration, healthcare, and smart city initiatives, driving improvements in public services and urban growth.

Participate actively in education, energy, and manufacturing, highlighting their commitment to fostering innovation and boosting economic development.

Advance technological solutions in key sectors such as automotive, transport and mobility, and agricultural biotechnology, contributing to broad industry development.

EDIH



*European Digital Innovation Hubs

*Funded under Digital Europe Programme

Network overview: 7 members – 7 EDIHs



CiTyInnoHub



DIGIVEST



DIH4Society



eDIH-DIZ



FIT EDIH



TDIH



WeH

24 Technologies

Romanian EDIHs emphasise key areas such as cybersecurity, artificial intelligence, and robotics, driving innovation and addressing modern challenges.

Focus on high-performance computing, internet of things (IoT), and quantum technologies, ensuring secure and advanced digital infrastructure.

Prioritise cutting-edge technologies such as digital twins, cloud services, and blockchain, paving the way for advancements in decision support, virtual reality, and communication networks.

Services

Romanian EDIHs offer robust services in SME support, including financial backing, innovation management, and knowledge transfer, fostering business growth.

Focus on creating a dynamic innovation ecosystem, with a strong emphasis on technological innovation and effective technology transfer.

Play a key role in public sector innovation, aligning efforts with smart specialisation strategies to drive collaboration between public and private sectors.

Good practices

Transforming SMEs: EDIH-DIZ, the Regional Management Authority and the World Bank launch regional digitalisation programme



Challenges

The primary challenge was securing adequate **funding** to drive the **digitalisation of 500 SMEs**, with a specific goal of enhancing their digital maturity as measured by DESI2019 (Digital Economy and Society Index) indicators. However, **identifying and addressing the precise digital needs of these SMEs proved difficult**. This was due to a shortage of IT experts capable of evaluating digital maturity in the region, coupled with a general lack of awareness and understanding among SMEs about the importance and implementation of digitalisation.



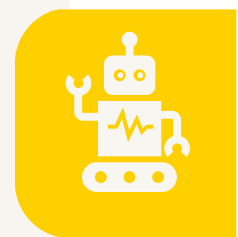
Solution

A **regional outreach initiative** was launched, promoting digitalisation across six districts. SMEs were required to submit a **digital feasibility study** to ensure their digital needs were well understood. Funding was then allocated based on these studies, with ongoing monitoring to track progress. **Collaboration between EDIH-DIZ, the Management Authority, and the World Bank ensured that the necessary expertise was available to support these efforts.**



Services

Support to investment



Technologies

Cybersecurity, AI and decision support, additive manufacturing, BI tools, IoT, data



Sectors

Public administration

Good practices

Transforming SMEs: EDIH-DIZ, the Regional Management Authority and the World Bank launch regional digitalisation programme



Results and benefits

Successful digital funding allocation

Up to €100,000 was distributed among 400 SMEs for digitalisation.

Increased digital maturity expertise

The programme enhanced regional skills in digital maturity assessment.

Economic boost in the North-East region

A significant number of funded SMEs were from the North-East region, indicating a targeted effort to stimulate economic growth and digital transformation in this area.

Empowering 400 SMEs with targeted funding and expertise, driving digital growth in the North-East region.



Lessons learnt

- ✓ Raising awareness among SMEs about digitalisation and its impact is crucial.
- ✓ The digital feasibility study is a critical tool for assessing SMEs' digital needs and should be prepared by trained experts using a standardised approach.
- ✓ Ensure the market has the necessary expertise before launching a digitalisation call, or provide training if needed.
- ✓ The collaboration between the Management Authority and EDIH significantly enhanced the initiative's success, ensuring that preselected SMEs had access to necessary expertise.



Promoting digital adoption for SMEs in the North-East region of Romania

Success stories

Empowered by tech: the new era of bullying reporting in schools

EDIH



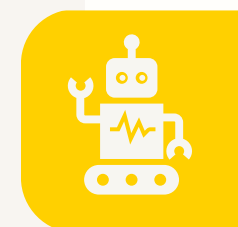
CUSTOMER

- Constanța County Prefect's Institution
- [Website](#)
- Medium enterprise (50-249 employees).



Service type

Test before invest



Technologies

Cloud services
Big data



Sectors

Education
Smart cities



Challenges

The Ministry of Education required local authorities to gather data on bullying in schools. However, **the manual data collection process was labour-intensive and inefficient**, leading to limited participation and only a single campaign, especially in Constanța County with 113,000 students.



Solutions

- Developed a **digital application for efficient data collection and real-time reporting**.
- **Automated processing and interpretation** of data with immediate access to seven detailed reports.
- Hosted on European Digital Innovation Hub (EDIH) servers, ensuring **scalability and future adaptability** for new data collection needs.

Success stories

Empowered by tech: the new era of bullying reporting in schools



Thanks to EDIH Cityinnohub the SME achieved:

- **collection of data from 180 schools**, totalling 17,342 forms, significantly improving scope and efficiency;
- **quick and effective responses** to bullying incidents, enhancing the safety of the educational environment;
- pioneering the use of **digital solutions in Constanța County**, setting a precedent for other regions.

Over 17,000 voices empower change in Constanța, setting a new standard for digital interventions in schools.



Results and benefits

- **Effective data collection**

The application collects data quickly and effectively from many schools and students.

- **Leading by example**

Constanța County is the first to use this technology for tackling bullying, serving as a role model.

- **Improved bullying interventions**

The application allows for faster and more accurate responses to bullying, reducing incidents.



Lessons learnt

- ✓ **Ensure comprehensive user training** to maximise the effectiveness and adoption of the new technology.
- ✓ **Monitor system performance continuously** to identify and resolve potential issues before they escalate.
- ✓ **Plan for scalability from the outset** to accommodate future growth and increasing data demands.