

# European Digital Innovation Hub in Kharkiv

**Dr. Lina Smovziuk**

International R&D projects manager,  
National Aerospace University “KhAI”



**HANNOVER MESSE**  
“Reconstruction of Ukraine:  
new opportunities through  
digital transformation”

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**Who we are?**

# Eastern Ukraine EDIH Candidate



## Kharkiv IT Cluster

The most influential IT community of Ukraine with 600+ members and partners united



## National Aerospace University "KhAI"

Excelling in both high-tech aerospace sector and cutting-edge digital technologies



## Kharkiv National University of Radio Electronics

Recognized for its advanced expertise in digital technologies



## Municipal Institution "Kharkiv Office of Reform"

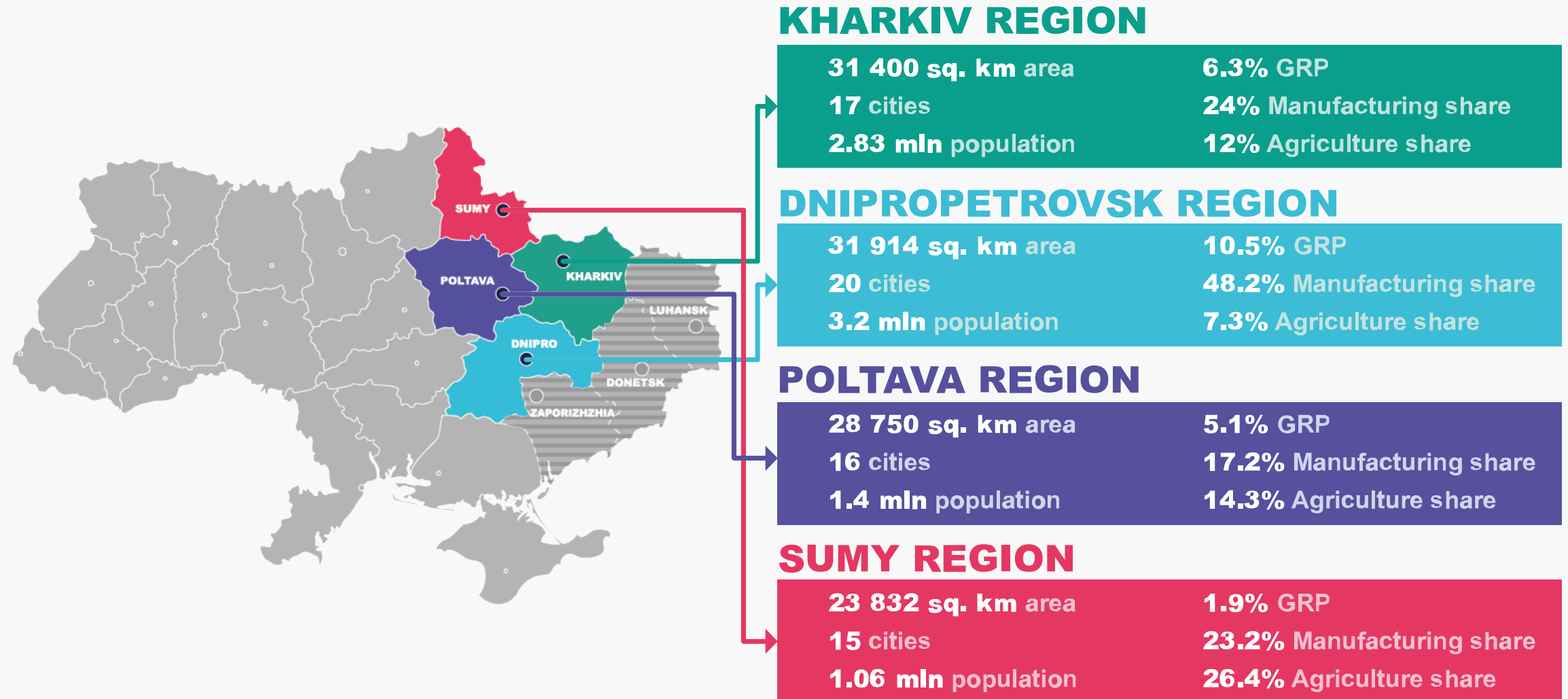
Entrepreneurship development, and enhancing social well-being



## Cyber Diia Platform

Aimed at developing a resilient and safe digital future of Ukraine

# Eastern Ukraine EDIH geographical coverage



# Eastern Ukraine EDIH mission

- Drive the **digital and green transformation** processes in Eastern Ukraine
- Focus on **vital economic sectors** to support local economic during-the-war survival and post-war recovery
- Nurture **smart-city initiatives** to enable a safe and comfortable living environment for local population
- Facilitate **sustainable practices** implementation of & environmental impact reduction
- Foster **internationalisation** of supply chains
- Contribute towards EU-Ukraine **integration**



Manufacturing



Agriculture



Energy



Smart City

# Eastern Ukraine EDIH focus alignment with Regional Development Strategies 2021-2027



# New reality: challenges and opportunities

**Manufacturing Industry revitalization:**  
Spring-in with digital technologies for growth and resilience



**Energy sector transformation:**  
Driving digital technologies for sustainable energy supply to homes and businesses



**Agriculture efficiency and safety:**  
Adopting digital technologies for productivity and worker safety



# New reality: challenges and opportunities

## Supporting entrepreneurship:

Empowering new ventures to become more efficient and resilient in the face of ongoing and post-war environment



## Bringing refugees back home:

Rebuilding communities and cities towards safe and comfortable living environment



## Growing a digital workforce:

Investing in reskilling/upskilling to tackle workforce shortage and utilize temporarily displaced persons' potential





**What would  
we like to do?**

# One-stop-shop of digital transformation services

## Pillar I: Test Before Investing

- Digital transformation roadmapping services
- Technical consultation on digital technologies
- Validation, prototyping or demonstration projects

## Pillar II: Training and Skills Development

- Digital transformation awareness-raising events
- Short-term training courses on digital technologies
- Intensive training courses on digital technologies

## Pillar III: Support to Find Investments

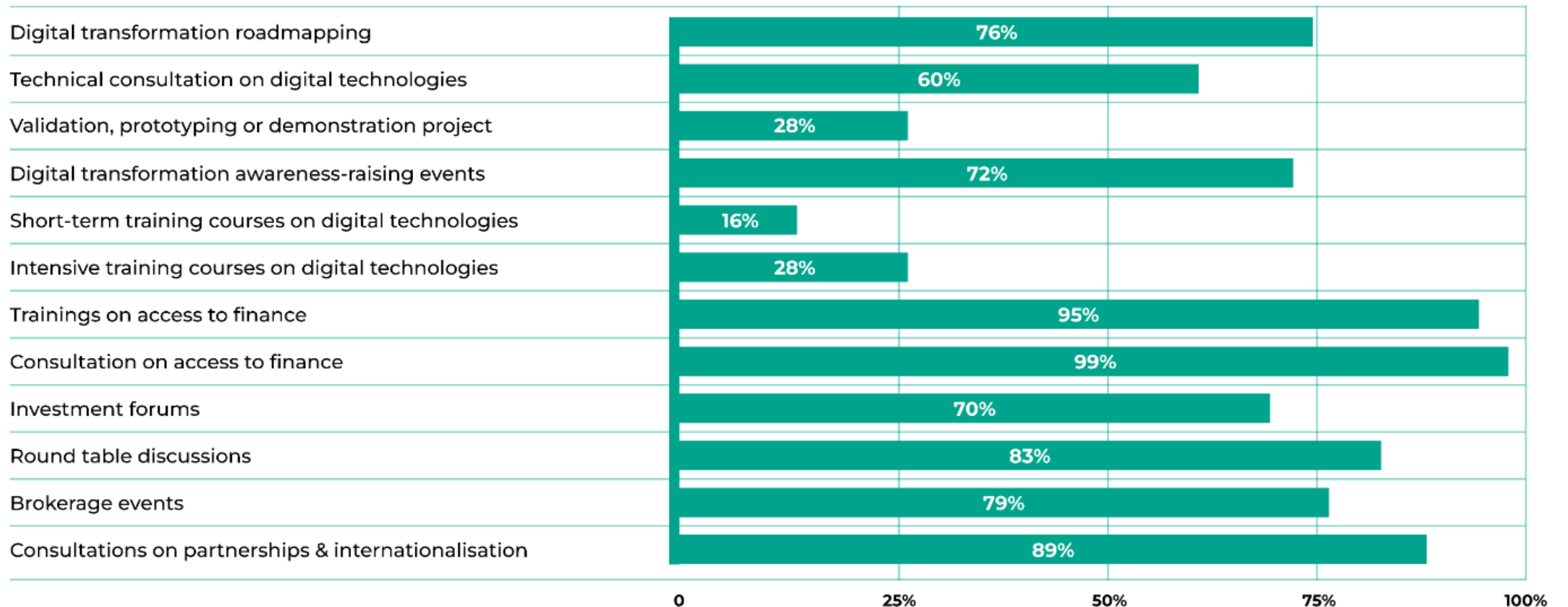
- Trainings on access to finance
- Consultation on access to finance
- Investment forums

## Pillar IV: Networking and Access to Innovation Ecosystem

- Round table discussions
- Brokerage events and company missions
- Consultations on partnership building and internationalisation

# What services could be useful for your company in planning or implementing digitization projects?

Based on Results of a survey of companies and enterprises in Kharkiv, Poltava, Dnipro and Sumy regions, March 2024, 160 respondents



# Eastern Ukraine EDIH clients

## EDIH Operation principles



Accessibility of services



Empowerment of clients

### KHARKIV REGION

22,6k SMEs  
1215 mid-caps

56 admin. communities  
1,85 mln workforce

### DNIPROPETROVSK REGION

27,8k SMEs  
1298 mid-caps

86 admin. communities  
2,13 mln workforce

### POLTAVA REGION

10,3k SMEs  
600 mid-caps

60 admin. communities  
580k workforce












### SUMY REGION

5,6k SMEs  
378 mid-caps

51 admin. communities  
533k workforce

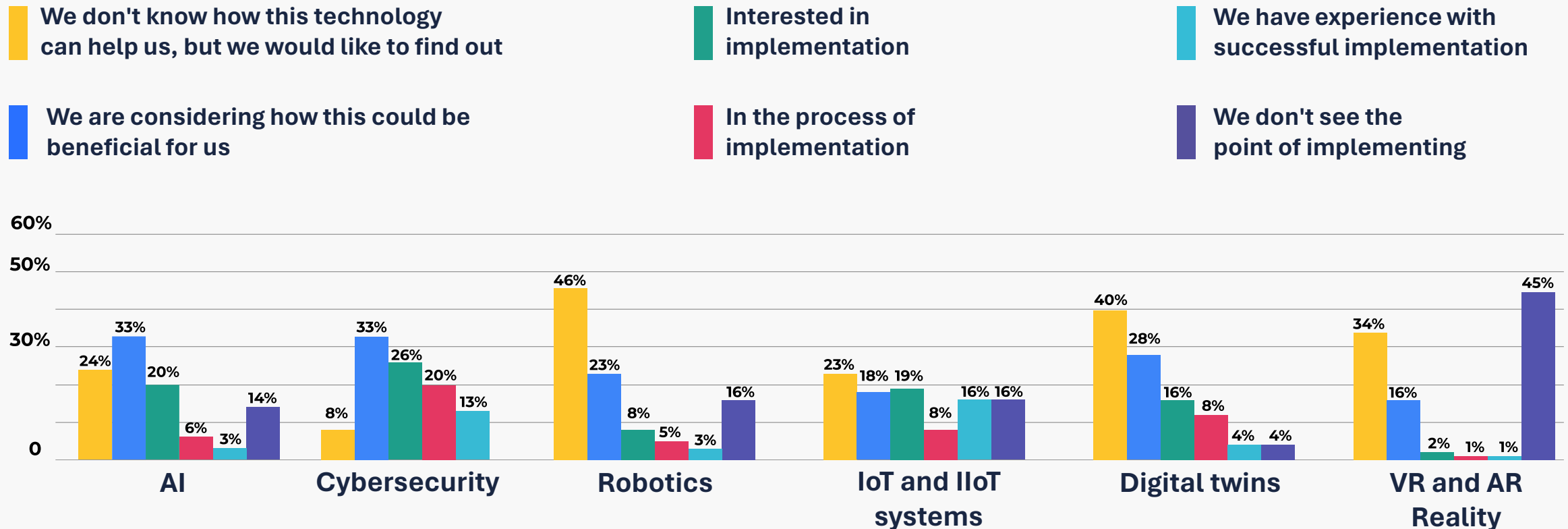
# Eastern Ukraine EDIH technology scope


## Eastern Ukraine EDIH`s sectors & technologies

		 Manufacturing	 Agriculture	 Energy	 Smart City
<b>Digital Technologies</b>	 Artificial intelligence	●	●	●	●
	 Cybersecurity	●	●	●	●
<b>Other Technologies</b>	 IoT and IIoT systems	●	●	●	●
	 Industrial robotics	●			
	 Autonomous robots	●	●	●	●
	 Digital Twins	●	●	●	●
	 VR and AR reality	●			●

# What technologies could be useful for your company in planning or implementing digitization projects?

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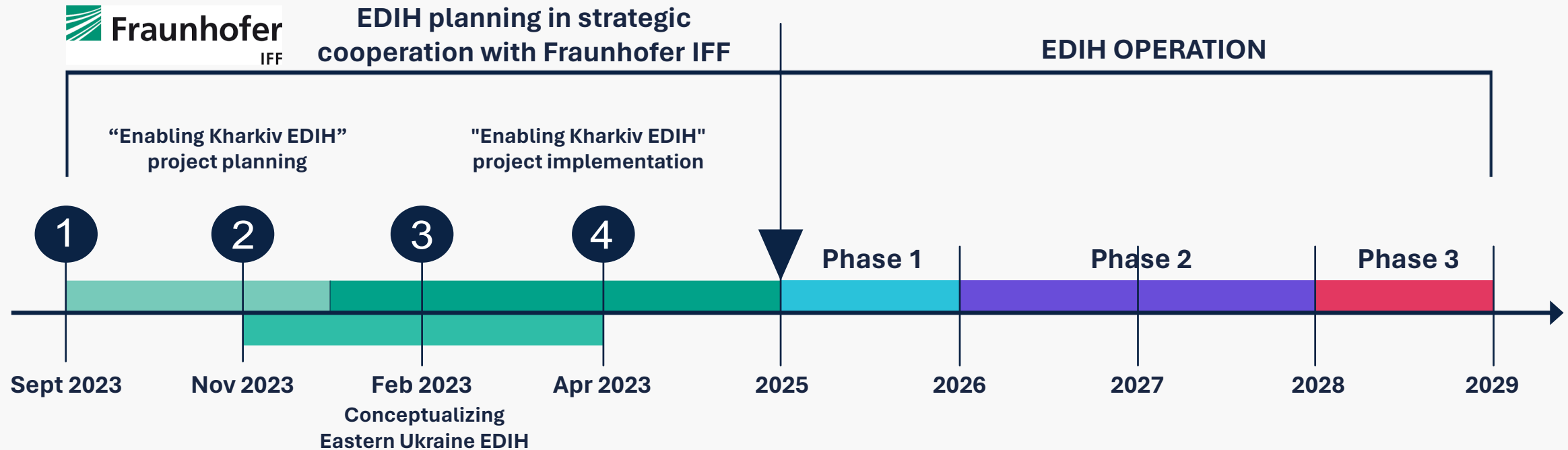




**Where are we?  
What do we have?**

# EDIH initiative maturity and background

## Expected launch of Eastern Ukraine EDIH



1. Kharkiv EDIH idea originating
2. Creation of Eastern Ukraine EDIH consortium
3. Designation of Kharkiv IT Cluster as a candidate entity
4. Submission of proposal to DIGITAL-2023-EDIH-04-ASSOCIATED call

**Phase 1** Services & activities deployment

**Phase 2** Services & activities scaling up

**Phase 3** EDIH sustainability planning



# Digital knowledge, competencies and facilities

## EXPERTS

15+ Professors  
50+ Associate Professors  
in EDIH's technology  
scope fields

## LABS AND FACILITIES

for cybersecurity,  
IoT and IIoT, industrial  
and autonomous robotics,  
AR/VR

## TRAINING PROGRAMMES

50+ PhD,  
MSc, Bachelor programmes,  
25+ vocational training courses  
on digital technologies



# Fundraising skills, experience and connections



KHARKIV  
OFFICE OF  
REFORM

## Kharkiv Office of Reform

Strong expertise in  
grant writing and fundraising

300+ partners among  
international funding providers

150+ million Euro raised for  
Kharkiv projects after 24  
February 2022



## National Aerospace University "KhAI"

Secured 3.6 million Euro in  
EU FPs, ranking 2nd among all  
Ukrainian organisations and  
1st among Ukrainian  
universities.

Operated H2020 NCP for  
Smart, Green and Integrated  
Transport in 2012-2018



## Kharkiv IT Cluster

Strategic partnerships with  
national, regional and local  
governmental authorities,  
banks and investors.

Extensive experience in  
securing investments from  
international organisations, e.g.  
EBA, ZPP, EEPO, NRW.Global  
Business, UBTA

# Ecosystem building sustainable practices

## Kharkiv IT Cluster

600+ members and partners united  
110+ events for internal communities per year  
4k+ participants gather at internal community events annually  
70+ implemented projects in partnership with TECH companies, universities and authorities



## Kharkiv Office of Reform

Kharkiv Business Hub front-runner  
500+ local businesses in ecosystem  
25+ local business events organized annually

# EDIH ecosystem

## DIGITAL TECHNOLOGY PROVIDERS



## BUSINESS SUPPORT ORGANISATIONS



## FUNDING PROVIDERS



## POLICY MAKERS





**What will  
our impact be?**

## Eastern Ukrainian EDIH long-term impact: Facilitation of digital & green transformation of Eastern Ukraine vital economic sectors in Eastern Ukraine region

### Eastern Ukrainian EDIH deliverables and short-term impacts

#### Short-term impact #1: Access to digital transformation expertise & services

- **40** digital transformation roadmaps
- **100** technical consultations
- **12** validation, prototyping and demonstration projects

#### Short-term impact #2: Addressing digital skills gap

- **25** awareness-raising events (**1000+** participants)
- **20** short-term training courses (**500+** participants)
- **8** intensive training courses (**120+** participants)

#### Short-term impact #3: Access to funding opportunities

- **8** training courses
- **100** individual consultations
- **2** Investment Forums (**200+** participants)

#### Short-term impact #4: Establishing digital-minded & collaborative ecosystem

- **8** round-table discussions (**200+** participants)
- **8** brokerage events (**400+** participants)
- **4** company missions (**15+** companies)

#### Transversal short-term impact: Strengthening EDIH external collaborations at European level

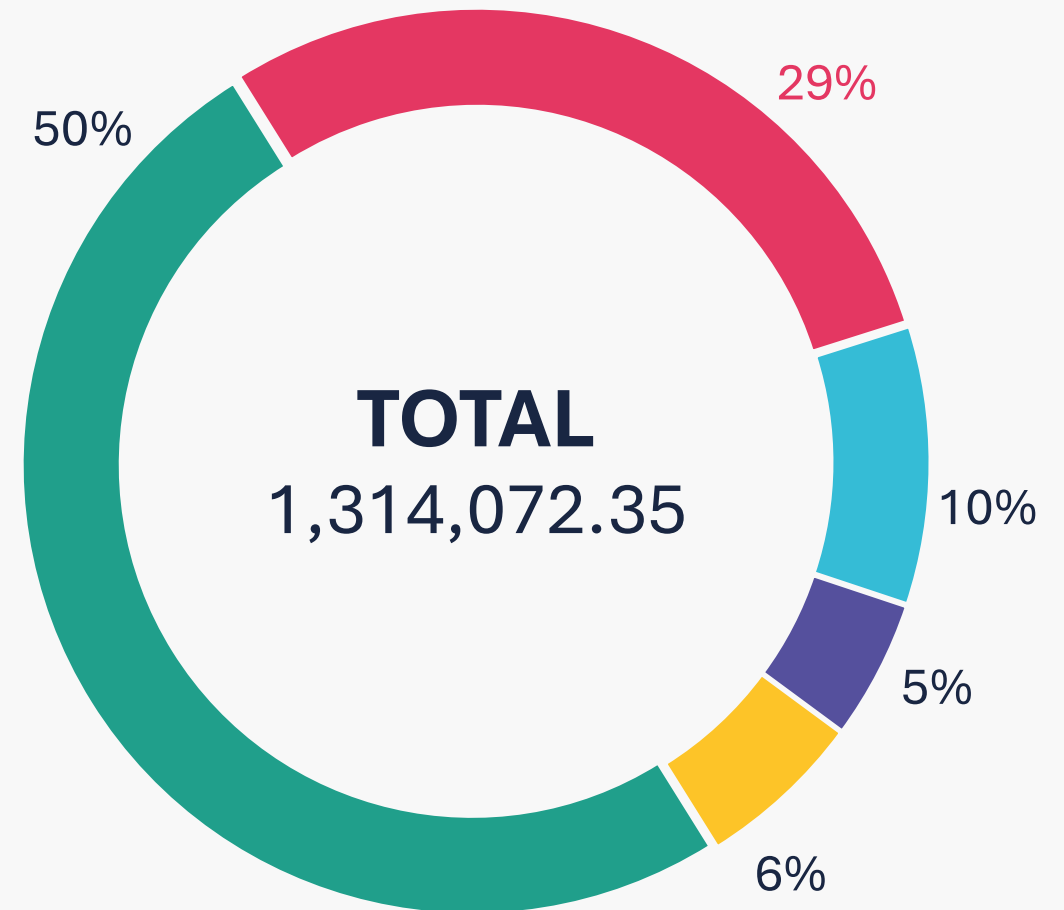
- **15+** community building and matchmaking events with other EDIHs
- **8+** best practices exhibition DTA events
- **75+** “train the trainer” DTA events
- **4+** joint events with EEN
- **20+** service cross-sell cases with EEN
- **15+** coordination events and activities at regional, national and European levels

**What do we need?**



# Eastern Ukraine EDIH's 4-year revenue plan

Source of the financing	Target amount (in Euro)
Digital Europe	657,036.18
Competitive grants and donor's funding	382,532.74
National, regional, local co-financing programmes	130,000.00
Crowdfunding	65,000.00
50% coverage of EDIH's services by mid-caps	79,503.43







**Thank you for your attention!**

**Let's cooperate towards  
Reconstruction of  
Eastern Ukraine and Kharkiv**

**Dr. Lina Smovziuk**

International  
R&D projects manager,  
National Aerospace University  
“KhAI”

Email: [l.smovziuk@khai.edu](mailto:l.smovziuk@khai.edu)