

EaP PLUS

Eastern Partnership +



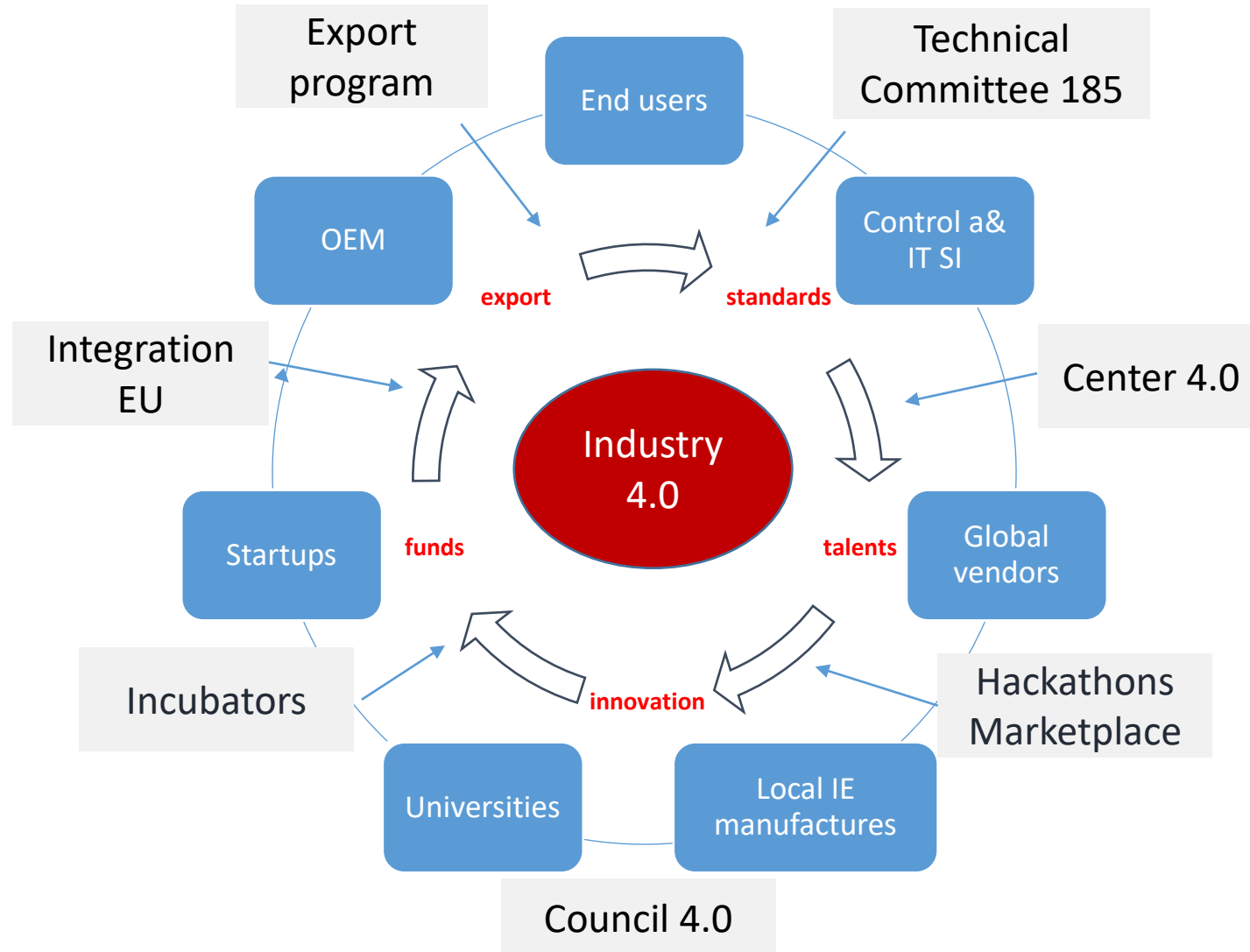
Industrial high tech cluster development in Ukraine: experience, progress and challenges

Alexandre Yurchak,
APPAU, Ukraine

АППАУ



APPAU follows cluster approach since 2013





IoT cluster development



Building IoT cluster collaboration program Poland-Ukraine

EaP / H2020

Impact of the project

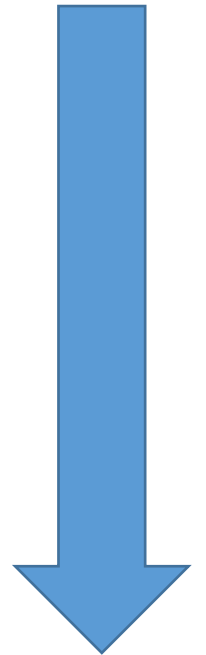
- Direct

- Understanding cluster 'mechanics' (organization, rules, quality standards...)
- Improving business exchanges Poland – Ukraine
- Understanding of the State and priorities of IoT innovators
- Discovering other EU's possibilities (like Connected cars or Poland prize)

- Not direct

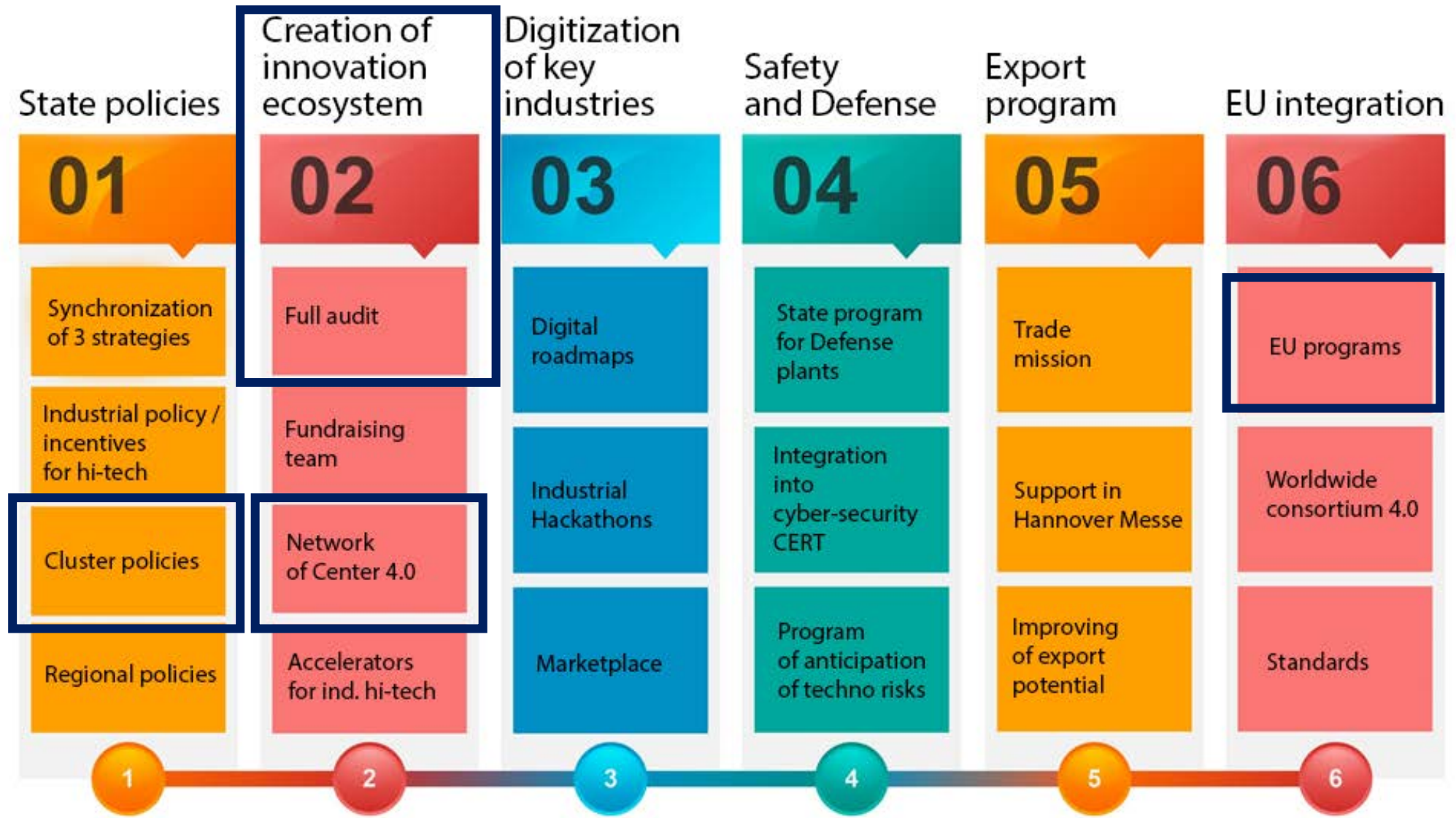
- New partners in cluster approach (TUM Int, ICT cluster Lithuania)
- Consolidation of policy makers in Ukraine (industrial & high-tech)
- Putting cluster approach as top-priority at national strategies

Local



National

Strategy Industry 4.0 : projects 2019-2021



DIH



EAM clusters (Engineering, Automation, Machinery)

Smart Product

- Technologies 4.0
- Service models
- High level of integration (inside & outside)

Weak competitiveness

Smart Organization

- Collective vs individual possibilities
- Focus on capabilities development
- Common 'fight for talents'

Broken value chains

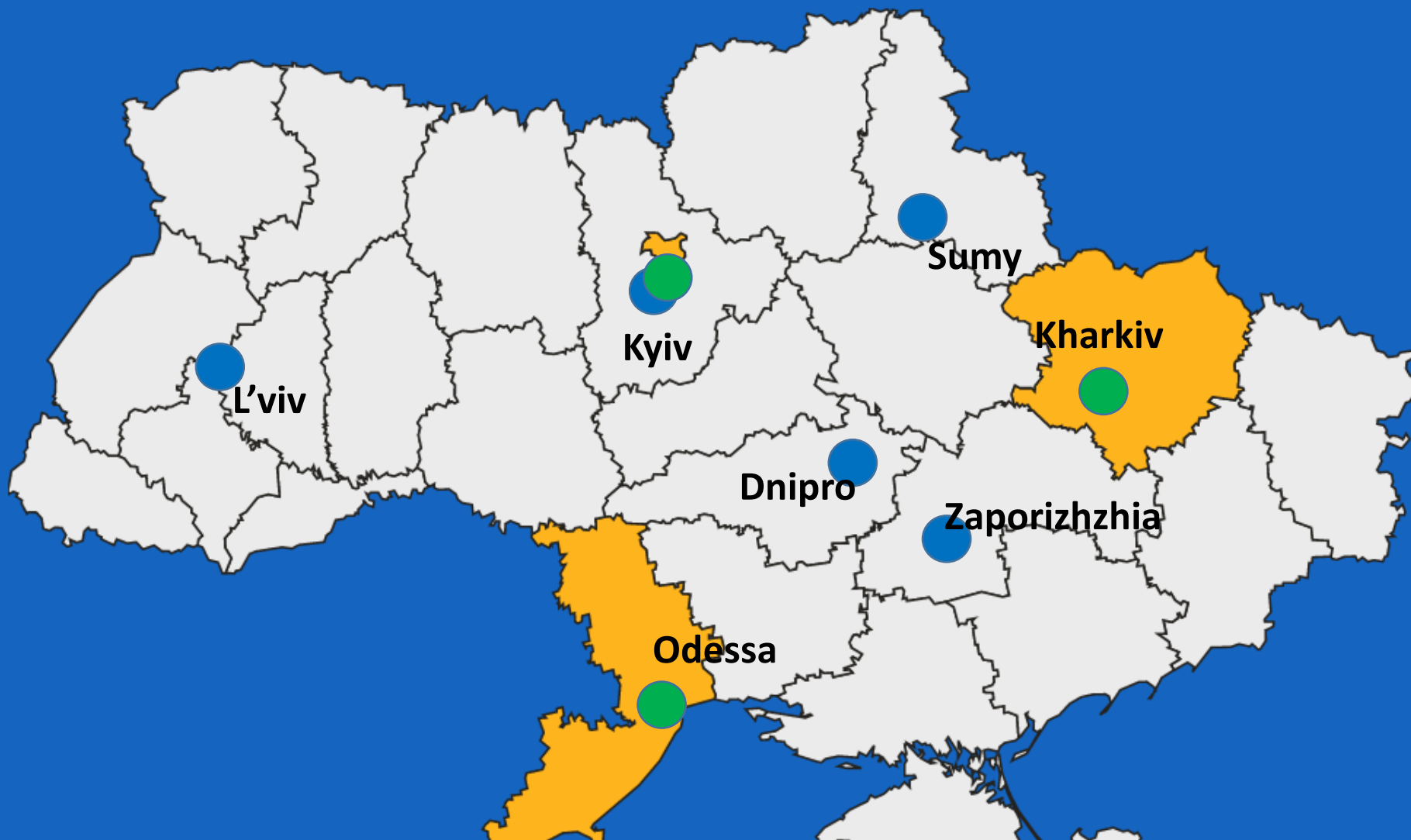
Smart Export

- Global values chain
- EU integration
- Better use of local service providers (as EPO, APPAU etc)

Difficulties of international trade



The network of Center 4.0 through Ukraine

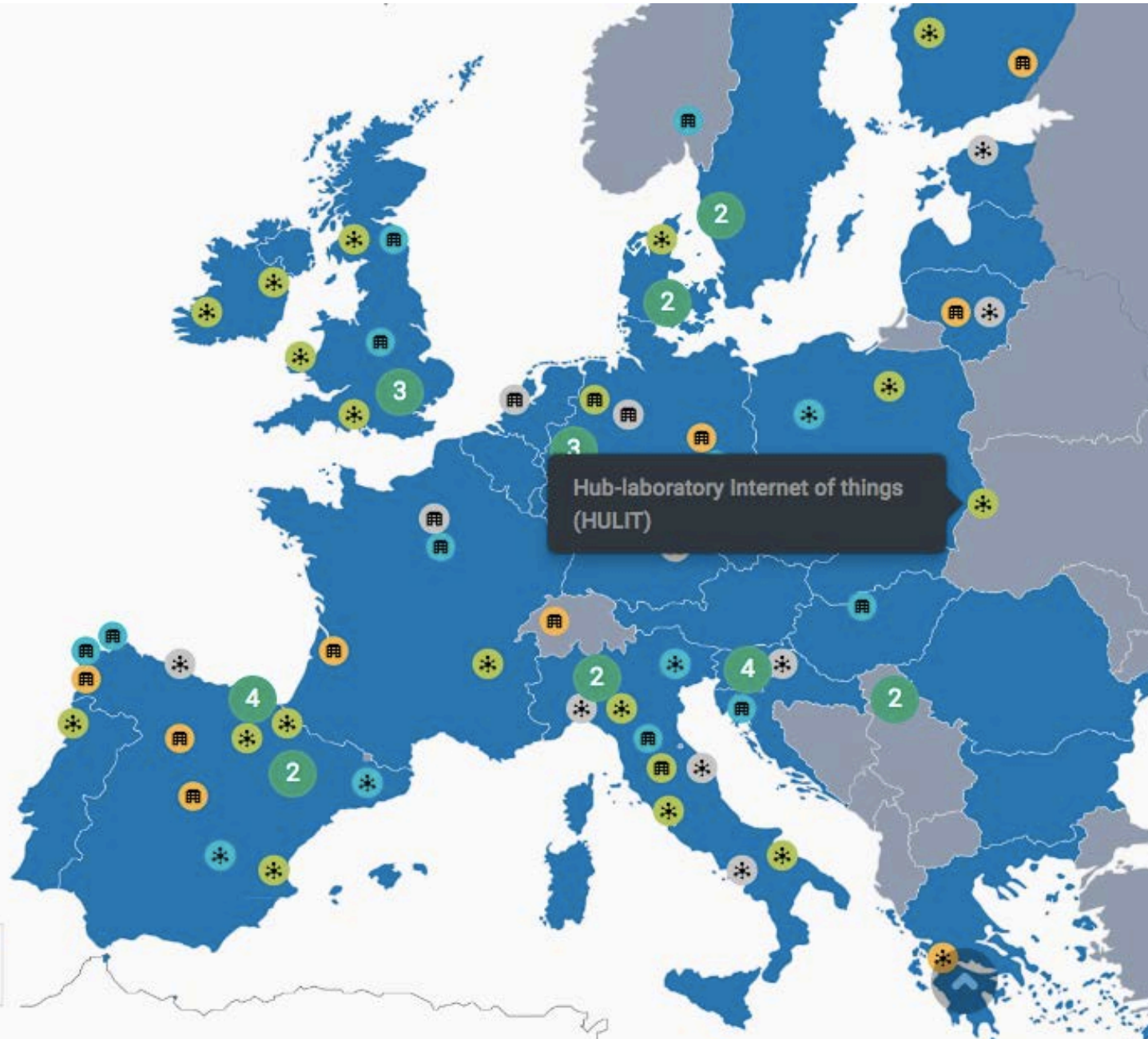


Про регіональні центри

Створення регіональних осередків руху 4.0 на базі вибраних ВНЗ має на меті подолати низьку культуру та знання ринку про технології 4.0, низьку довіру ринку до ВНЗ як осередків знань, підготовки кадрів та надання сервісів з навчання та R&D. В перспективі ці осередки можуть ставати основою для створення відповідних кластерних структур чи технологічних парків.

[ДЕТАЛЬНІШЕ](#)

I4MS: Digital Innovation Hubs



Roles and functions

- Digital expertise
- **Testbeds** and Labs
- **Access to best expertise and solutions base**
- **Support in commercialization**
- Development of innovative ecosystem
- **Technologies brokerage**
- **Access to funds**
- **Accumulation of market expertise**
- Training and education
- Incubation & mentoring

Main challenges in cluster approach

1. Speed-up integration Center 4.0 with DIH
2. Cluster cooperation by sectors
3. Improving exchanges about strategic policies & models between EaP countries with regards to best EU practices