



# Digital Innovation Hubs & Smart Specialisation

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**Transilvania iHUB  
4.0**

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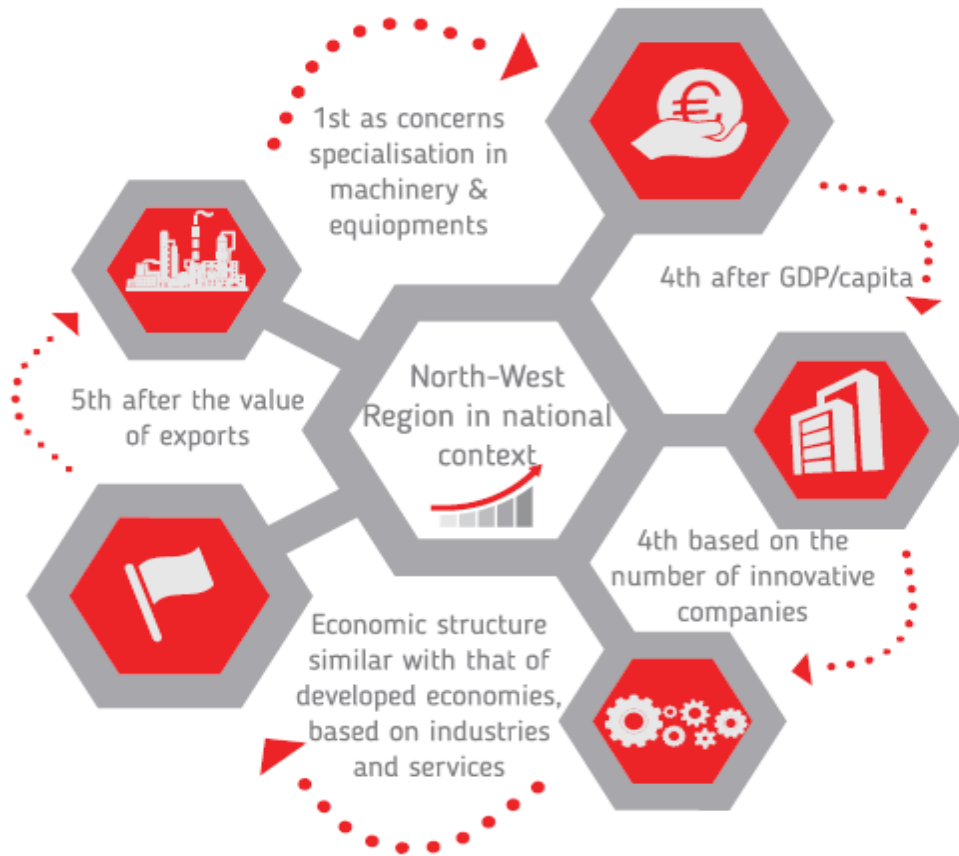
- **REGIONAL SMART SPECIALIZATION STRATEGY**

- Under development in the framework of the pilot action: “*RIS3 for lagging regions*”
- Framework Document for RIS3 is already in place and potential smart specialization areas, as well as draft strategy identified
- Support actions for its implementation already started

- **DIGITAL INNOVATION HUB**

- TRANSILVANIA iHUB 4.0 - initiative to be developed
- Application developed for the call for DiHs in 13 MS in a consortium reuniting all relevant stakeholders, as well as:
  - Incipient DiH involved in the present action, i.e. Cluj IT Cluster
  - Planned DiH proposed under FUTURIUM project by Aries Transilvania

# REGION IN KEY FIGURES



**3.485** employees in R&D

**2.280** researchers

**8** public universities  
**9** private universities

**90.418** students in all levels of education

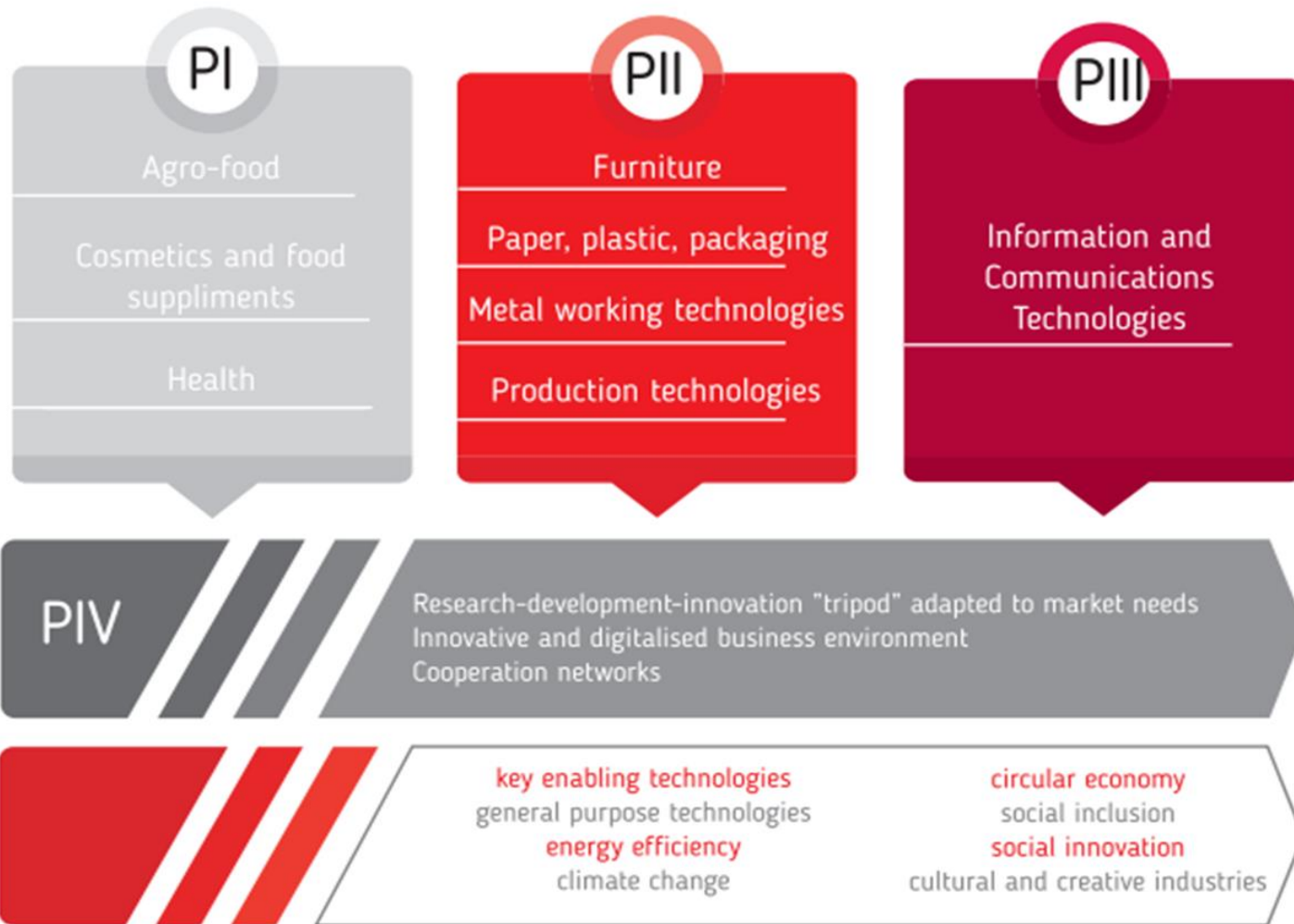
**341** patents between 2007-2015

**68** research organizations

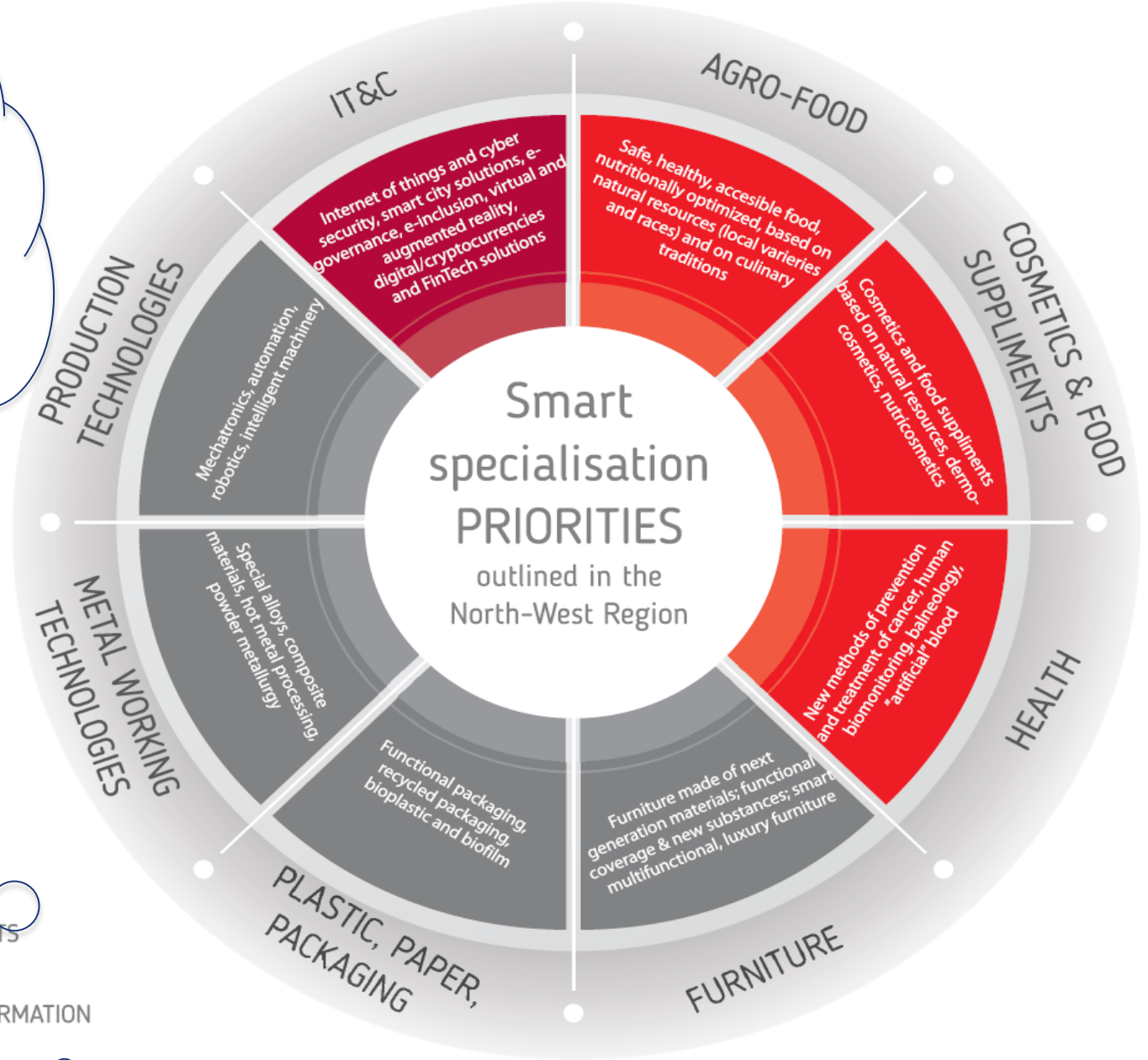
**4** regional centres of the State Office for Inventions and Trademarks

**6** accredited technology transfer entities

*"By 2034 the North-West Development Region will be in the top of the most innovative regions from Central and Eastern Europe capitalizing on research-development-innovation results, with the aim to raise incomes, the number of workplaces and level of living standard."*



digitalisation of industry (basic and advanced, i.e. digitalisation of production, process and service innovation using ITC) and society, shift of ITC from outsourcing

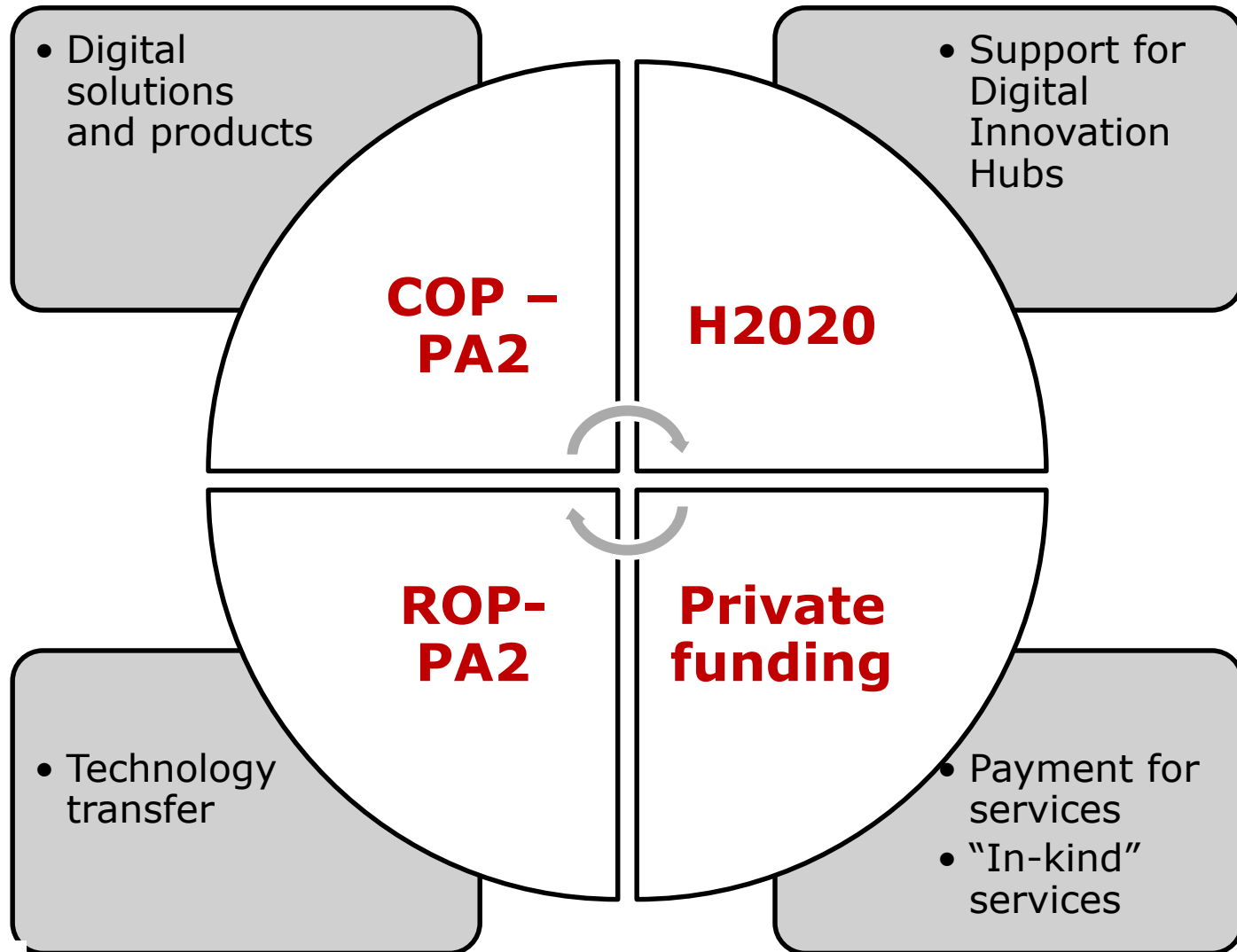


- 1st Pillar. HEALTH and WELL-BEING
- 2nd Pillar. NEW MATERIALS and PRODUCTS
- 3rd Pillar. TOWARDS A DIGITAL TRANSFORMATION



European Commission

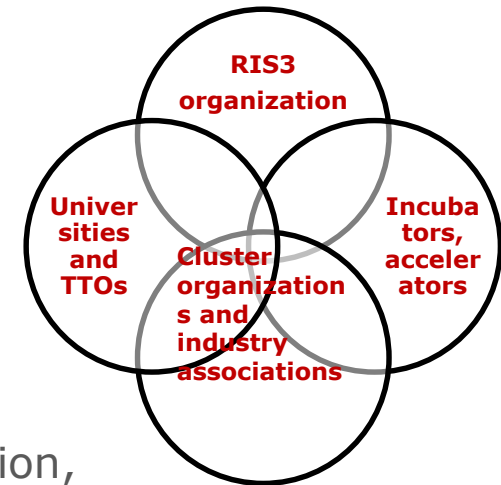
# Funding sources





## Host organisation and partners?

Babes-Bolyai University,  
Technical University of Cluj-Napoca,  
Universitatea Oradea, Spherik Accelerator  
Chamber of Commerce and Industry Bistrița-Năsăud,  
Cluj IT Cluster, ARIES Transilvania, Oradea Hub Association,  
Cluj HUB, INIT Association (Cluj Startups), Romanian IT Global Community  
Association, North-West Regional Development Agency



## Planned services

- Awareness, Creation around Digital Technologies, Innovation Scouting, Digital Maturity Assessment, Visioning and Strategy Development for Businesses, Brokering/matchmaking, Access to Specialized Expertise and Infrastructure, Mentoring, Training, Access to Funding and Investor Readiness Services, Collaborative Research on Issues of Common Interest



## Challenges:

- Shifting the IT sector from outsourcing towards IP based products and/or services
- Digitalisation of the regional/national economy and society (low level of digitalization)
  - Raising awareness of industry in general about the need to digitalize
  - Integration of digital technologies in non-IT businesses
- Digitalization trends
- Breaking traditional industry borders
- Servitisation of products

## Good practice:

- Cooperation of different key actors in order to reach a common objective

- **Region / Digital Innovation Hub**
  - Link to NW development region: [www.nord-vest.ro](http://www.nord-vest.ro)
  - Link to Cluj IT Cluster as incipient DiH:  
<http://s3platform.jrc.ec.europa.eu/digital-innovation-hubs-tool>  
[www.clujit.ro](http://www.clujit.ro)
- **Further information about the socio-economic fabric of the region:**
  - English language on-line brochure available at:  
<http://www.nord-vest.ro/regiunea/northern-transylvania/>
- **Further information about RIS3:**
  - Bilingual (RO + EN) on-line brochure available at:  
<http://www.nord-vest.ro/wp-content/uploads/2017/09/Brosura-S3Coperta.pdf>



**Thank you for your attention!**

**Transilvania iHUB 4.0**

