

The European Commission's science and knowledge service

Joint Research Centre

Progress of Smart Specialisation in Ukraine

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Smart Specialisation: Targeted and place-based Research and Innovation Strategies to support economic transformation

- Identifying strengths and weaknesses of the research and innovation sector not horizontally, but through specific economic and innovation opportunities
- Encouraging prioritisation, operationalisation and cooperation
- Focusing on challenges and missions, not sectors or science fields
- Demand – driven approach and broad view of innovation

Based on participation and inclusiveness



Business

- Main actors in the innovation ecosystem
- Chance to get targeted support
- Better understanding of strategic challenges of the sector
- Better knowledge of value chains
- Chance to meet partners and start new initiatives



Research

- An opportunity to target research efforts on societal needs
- Access to knowledge networks for collaboration
- Bring research to market, spin-offs and business collaboration
- Finding channels for technology transfer



Civic society

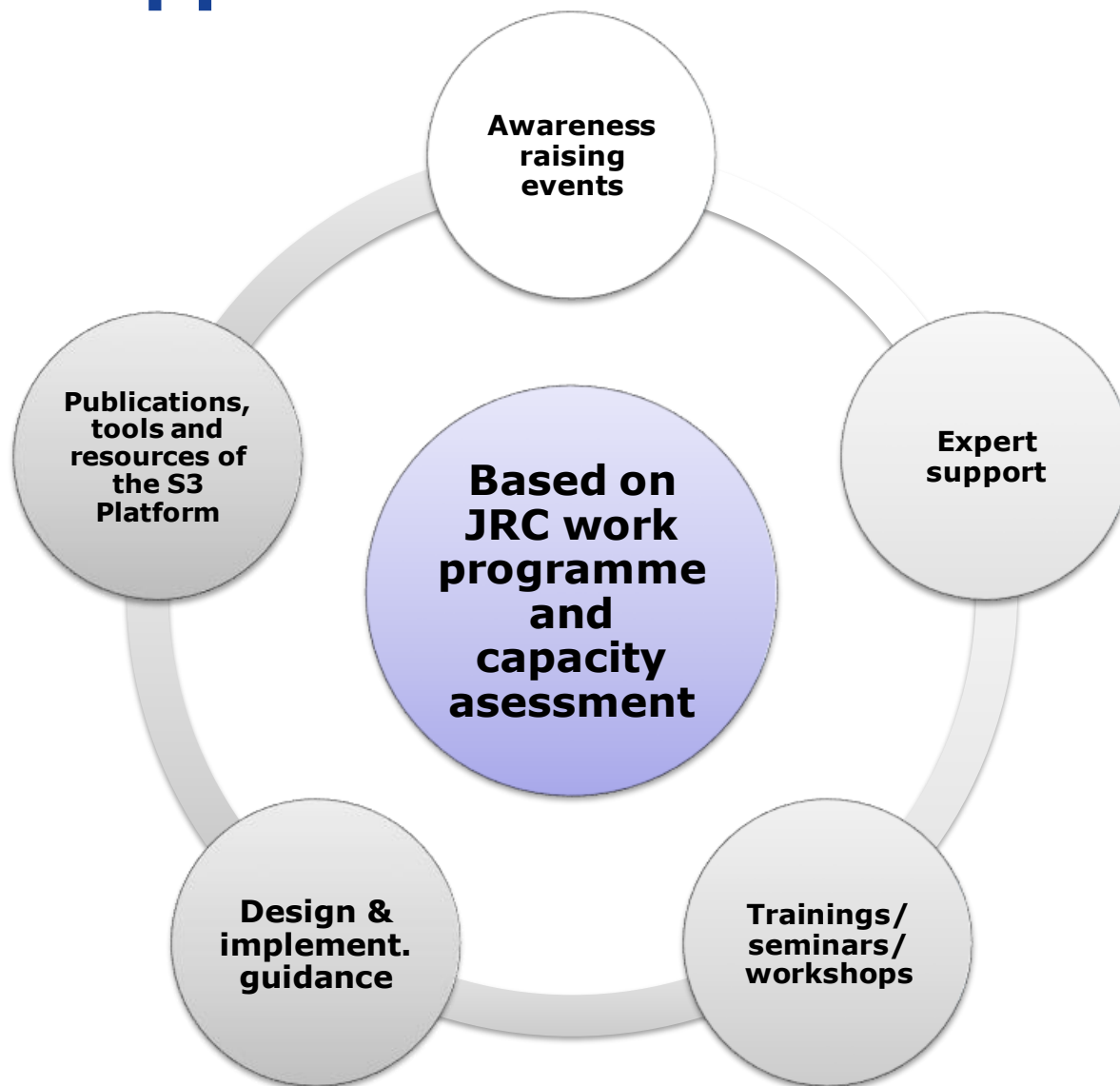
- Chance to convey needs and participate in identification of societal challenges
- Give user experience to proposed new solutions
- Take part in creating transparent public policies
- Contribute to social innovation



Public authorities

- Design policies that address real societal needs
- Access to knowledge of main innovation actors
- Get engagement and ownership of main actors
- Improve implementation of policies getting feed-back on real impact and need to adjust measures

General support activities



Framework for smart specialisation within E&I Action



What was done so far in Ukraine

- Awareness events at national and regional level
- Trainings on smart specialisation and entrepreneurial discovery process
- Mapping reports on economic, innovative and scientific potential for Odessa, Zaporozizhya and Kharkiv
- First regional workshops and discussions with stakeholders on preliminary priority domains

Roadmap for 2019

- Development of common analytical framework for all Ukrainian regions and training national smart specialisation experts
- Training for regional smart specialisation teams in all the regions
- Expert support for developing regional mapping reports (mentoring national experts)
- Expert missions to pilot regions to support the entrepreneurial discovery process
- Preparation of guidance on implementation and monitoring of smart specialisation strategies
- Translation of Smart Specialisation Guidebook into Russian (for all Eastern Partnership Countries)

Challenges

- Involvement of all the key ministries at national level
- Activating regional and local administration and other stakeholders and preparing them to lead the process
- Increasing institutional capacity, especially in the regions and making evidence base available (access to statistical data, indicators etc.)
- Ensuring organizational and financial frameworks for implementation
- Ensuring clear and transparent process that will raise trust of stakeholders

Thank you

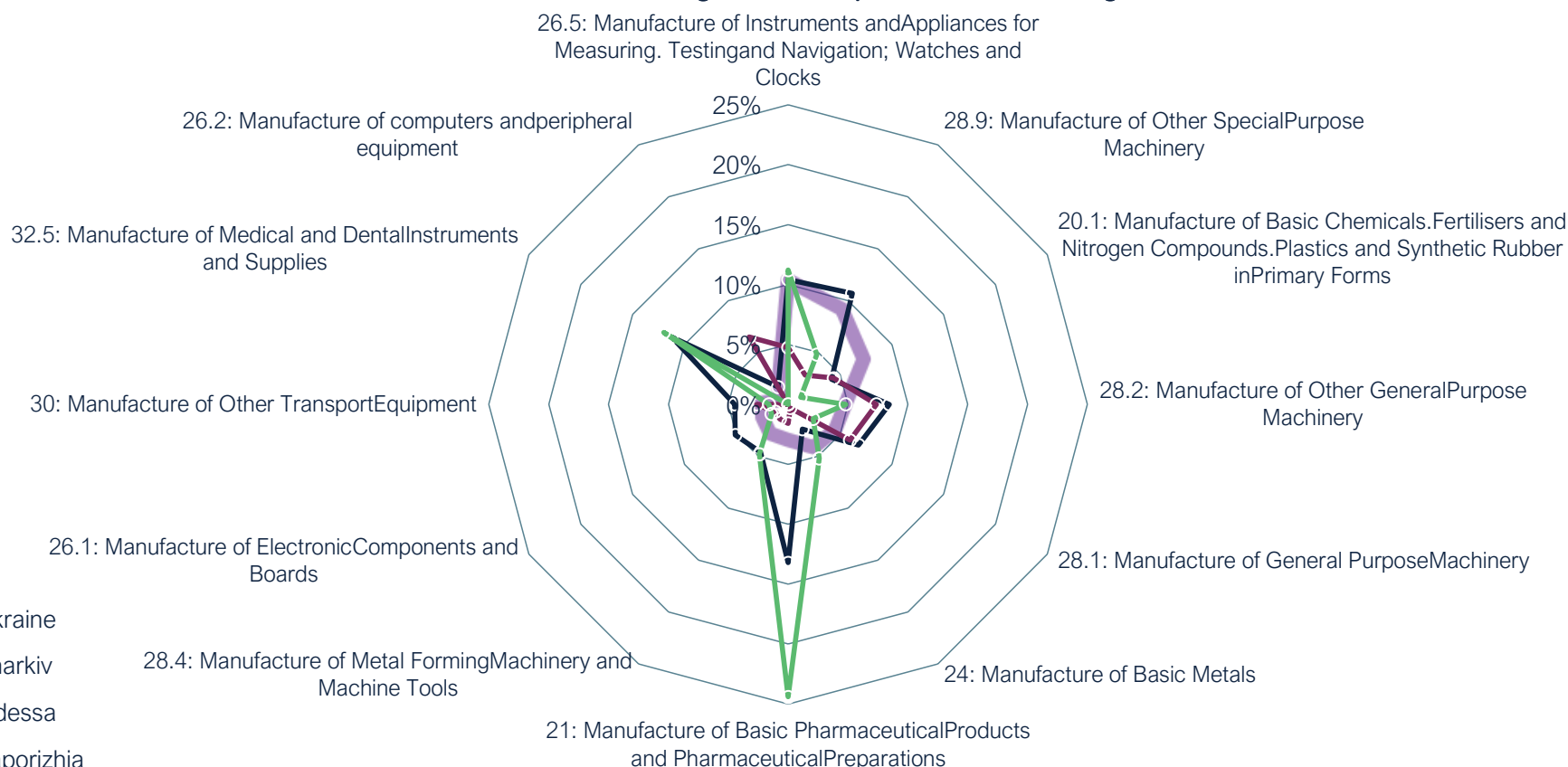
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Evidence – base - examples

What is the link between top patent families scientific publications and industry sectors?

NACE Radar Charts Regional Comparison - Patents.

Patents NACE Codes Regional Comparison, Percentage of Patents

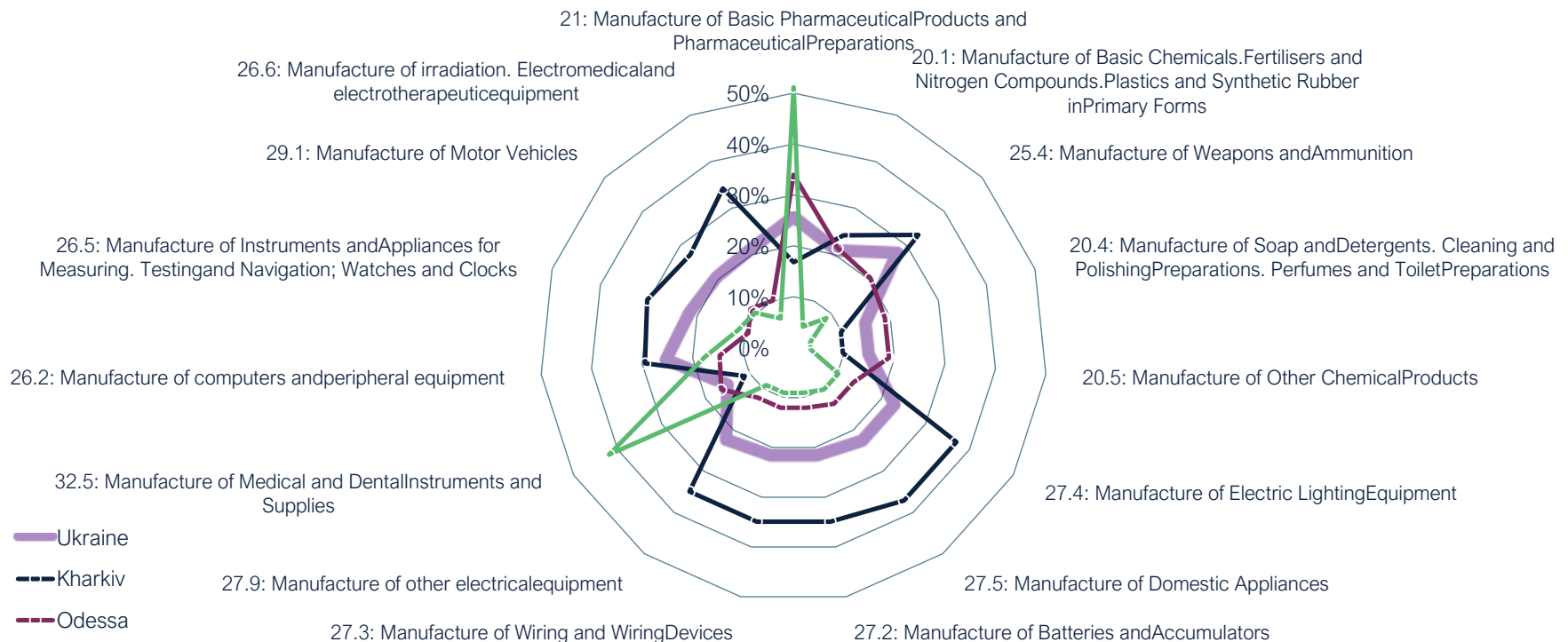


Evidence - base

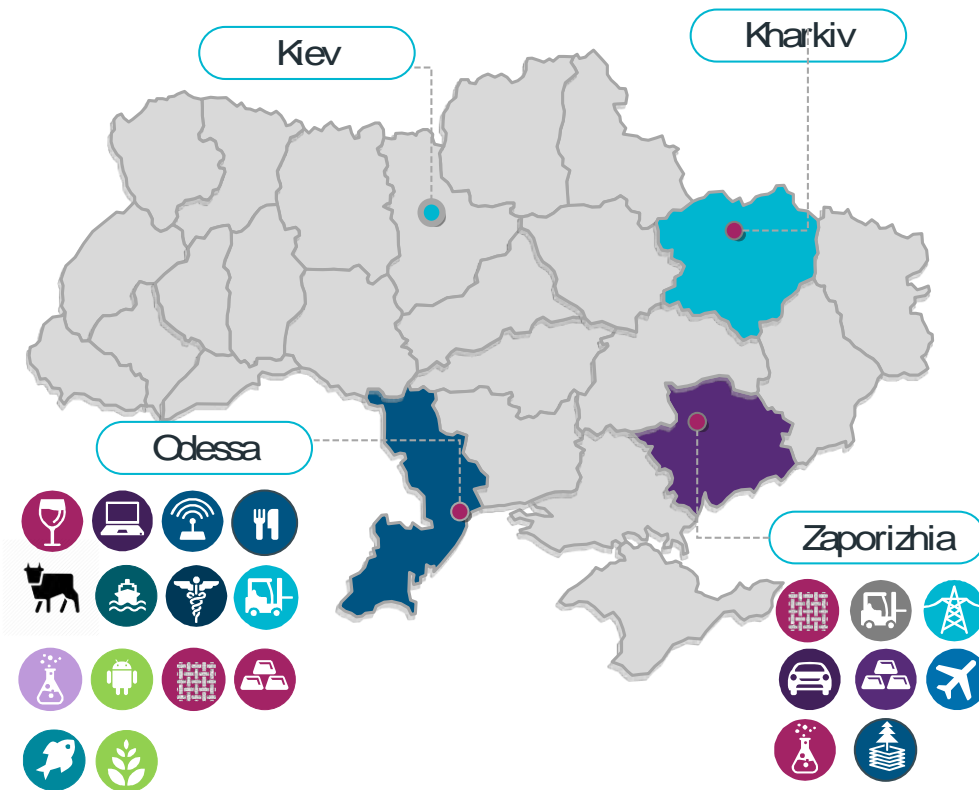
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NACE Radar Charts Regional Comparison – Academic Publications.

Publications NACE Codes Regional Comparison, Percentage of Publications



Economic potential



The three regions analyses appear to present some similar characteristics and some peculiar specificities. Highly industry oriented, strong exporters, the 3 regions have common economic grounds : metal processing, chemicals, equipment sectors and transport sectors, together with key light industries: agro-food, textile and wood derivatives.

At a closer glance, specific areas of specialisation emerge. In the transport sector, for instance, Kharkiv is specialised in construction of military vehicles and sport/ leisure boats, while Odessa is concentrated in the repair and maintenance of ships and Zaporizhia in the air-spacecraft and the production of cars. Among the three, Odessa is the region that have the strongest and largest specialisation in the agro-food insry.

Innovative potential

Kharkiv

Innovation and R&D @ a snapshot



Manufacturing & Waste



Food and beverage



Transport : Production of military fighting vehicles



Textile and wearing apparel : Fur, apparels and leather manufacturing.



Production of pleasure and sport boats



Equipment and electrical equipment



Metal and non metal product manufacturing



Treatment and disposal of hazardous waste, both light and heavy

Kharkiv innovation potential is strongly correlated to its most dynamic sectors in terms of sold products and employment :

Equipment and electric equipment, food and textile and apparel industries (equipment and products), the chemical and plastic sector as well as the production of pleasure and sport boats and the metallic and non-metallic products manufacturing are the most innovative sectors in the region.

The waste management sector emerges as an innovative sector, too.