

IP OFFICE: OPPORTUNITIES AND TOOLS FOR BUSINESS AND SCIENCE

IP Office Services driven by in-depth analytics
and interactive IP and innovation dashboards

Analytical report on the innovative capacity of enterprises (based on survey)

Analytical report on innovation issues regarding the healthcare technology sector in Ukraine (based on survey)

Analytical report on gaps in awareness in the field of patent and licensing activities (based on survey)

Information brief “Innovation and IP support programs in the Baltic countries”

Information brief “Innovation and IP support programs in the countries of Eastern Europe”

Analytical report “Green technologies, innovation, and intellectual property in Ukraine”

Analysis of the dynamics of industrial park development

Analysis of technologies registered in Ukraine

Analytical report on the analysis of IP assets on the balance sheets of universities (2019–2023)

Dashboard on technologies registered in the State Register

IP assets on the balance sheets of universities: interactive dashboard



Інноваційна мапа та аналітика – ІР офіс (УКРНОІВІ)

Головна / Інноваційна мапа та аналітика

ІННОВАЦІЙНА МАПА ТА АНАЛІТИКА



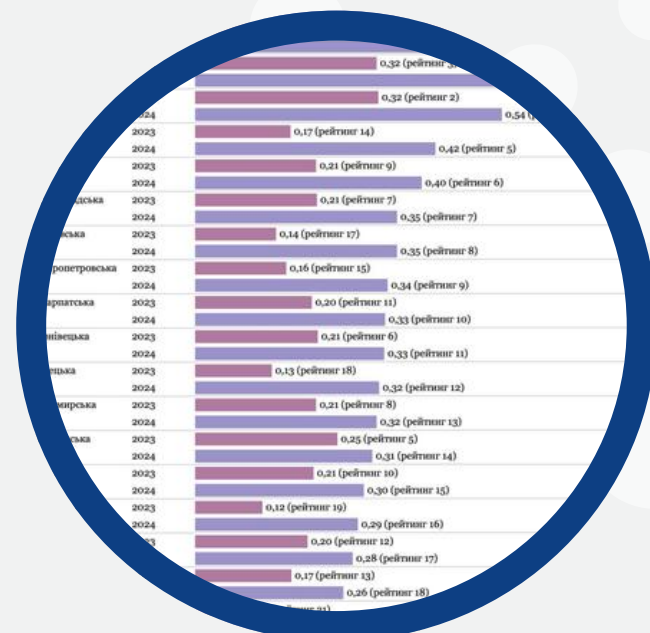
Інноваційні мапи

CLICK HERE



Аналітика ІВ та інновацій

REGIONAL INDEX OF INTELLECTUAL PROPERTY DEVELOPMENT (IP4R INDEX)



Ranking of regions by index value

Comparative instrument – technology clusters and creative industry hubs.

Analytical framework for formulating regional intellectual property policy

Analysis of index dynamics reveals regional trajectories: growth, decline, or stagnation.



IP4R Index Methodology

The IP4R Index is an integrated indicator that measures the level of intellectual property development across Ukrainian regions, serving as a tool for investment attraction, technology commercialization, and regional innovation policy.



Key Features

- 4 sub-categories and 8 indicators with differentiated weights
- Min-Max normalization of all indicators based on a 5-year rolling period
- Weighted aggregation into a single score from 0 to 1

$$X_i = \frac{X_n - X_{min}}{X_{max} - X_{min}}$$



Sub-categories:

- Industrial IP Applications (weight 0.15)
- Industrial IP Registrations (weight 0.45)
- Commercial IP Registrations (weight 0.25)
- Copyright & Rights Transfer Agreements (weight 0.15)



Indicators

- Patent applications (inventions) – 0.65
- Utility model applications – 0.35
- Patents granted (inventions) – 0.70
- Utility model patents – 0.30
- Industrial designs – 0.60
- Trademarks – 0.40
- Copyright registrations – 0.45
- Rights transfer agreements – 0.55

$$IP4R = 0,15 (0,65 \sum app_{inv} + 0,35 \sum app_{ut_m}) + 0,45(0,7 \sum reg_{inv} + 0,3 \sum reg_{ut_m}) + 0,25 (0,6 \sum reg_{ind_d} + 0,4 \sum reg_{TM}) + 0,15 (0,45 \sum reg_c + 0,55 \sum reg_{agr_tr})$$

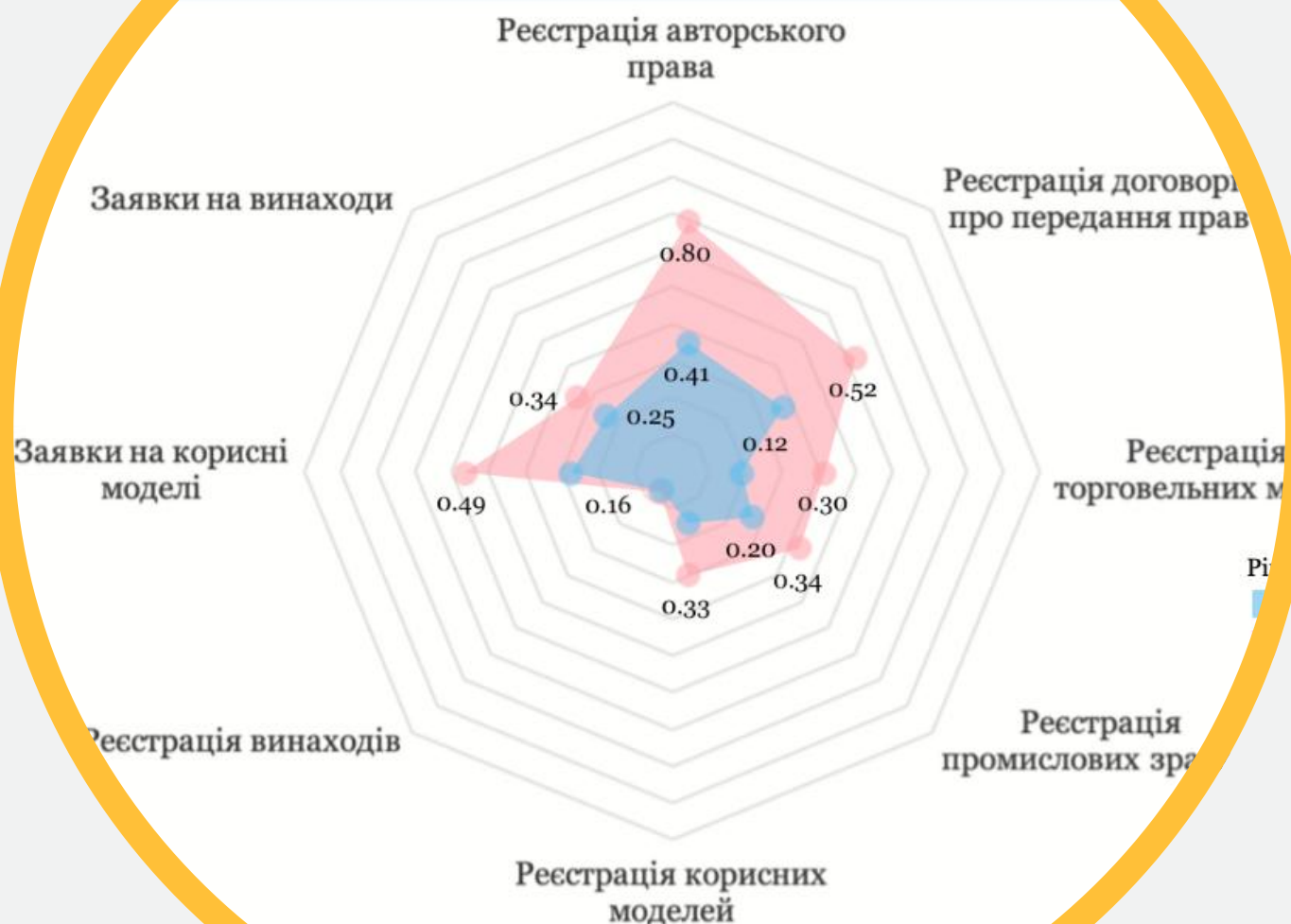
Advantages of the IP4R Approach

Balanced Approach	Patent Priority	Objective Comparison	Strategic Insights
<ul style="list-style-type: none">• Provides a balanced assessment of both technological (industrial) and creative (copyright) components of regional economies.	<ul style="list-style-type: none">• Prioritizes high-value indicators (especially granted patents) while still capturing early-stage innovation activity and market-oriented IP.	<ul style="list-style-type: none">• Enables objective comparison between regions of different sizes and economic profiles thanks to dynamic min-max normalization.	<ul style="list-style-type: none">• Helps identify regional strengths, gaps, and priorities for IP policy and innovation support.



Interactive IP4R Dashboard

Індикатори індексу за регіоном



Категорії індексу та рейтинг субкатегорій

ranking of regions by index value

Year-on-year growth rates of intellectual property assets by region, index indicators by region; index subcategories by region, their significance, and the region's ranking for each subcategory, etc.

Economic and Innovation Profile of the Region

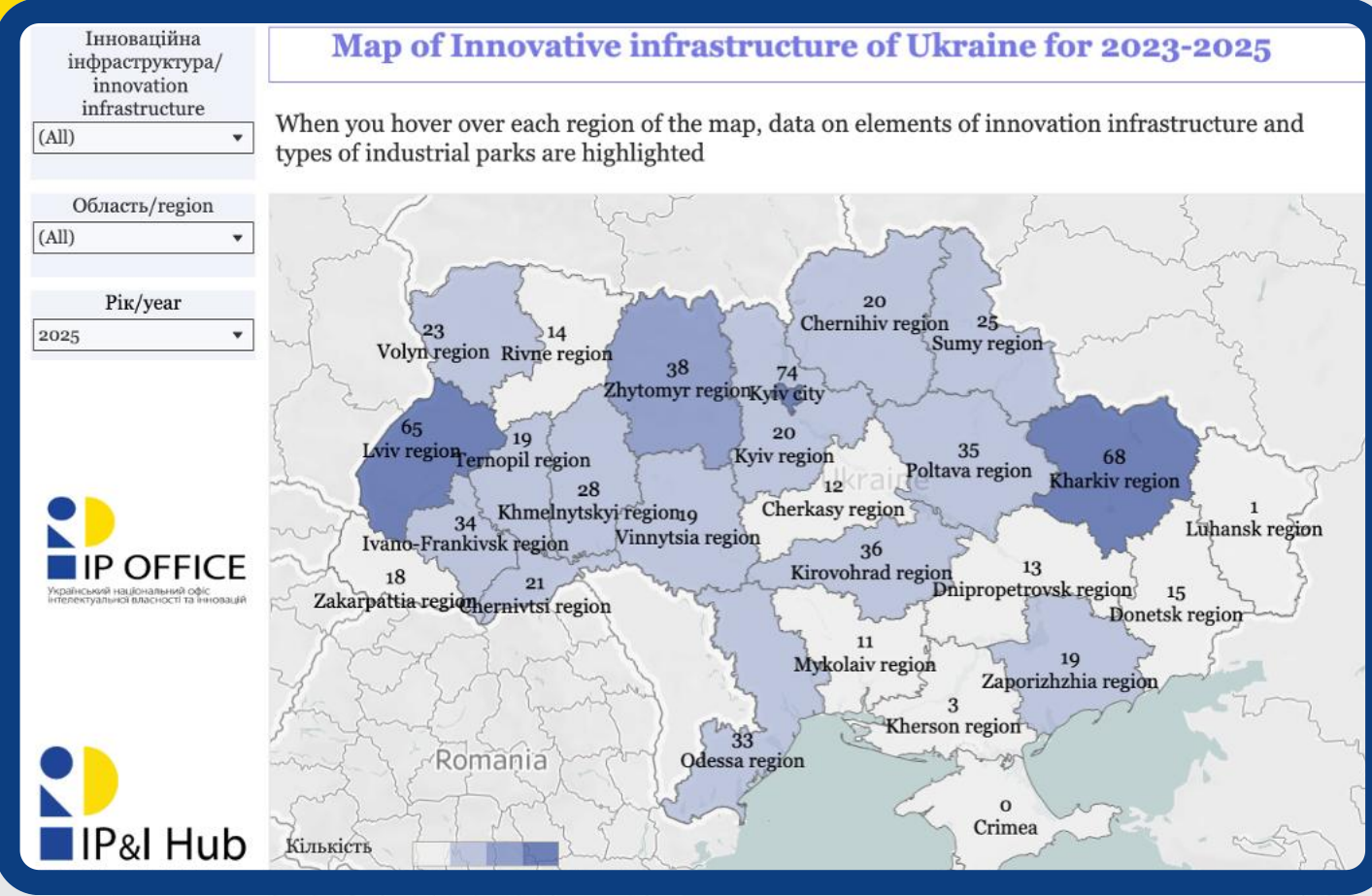
Categories of economic activity based on product sales volume; innovative infrastructure; educational and research institutions within the region; educational expenditures; export potential, among others.

Filter and compare

Filter and compare: choose years and regions, types of innovation infrastructure, and so forth.

Interactive map of innovation infrastructure

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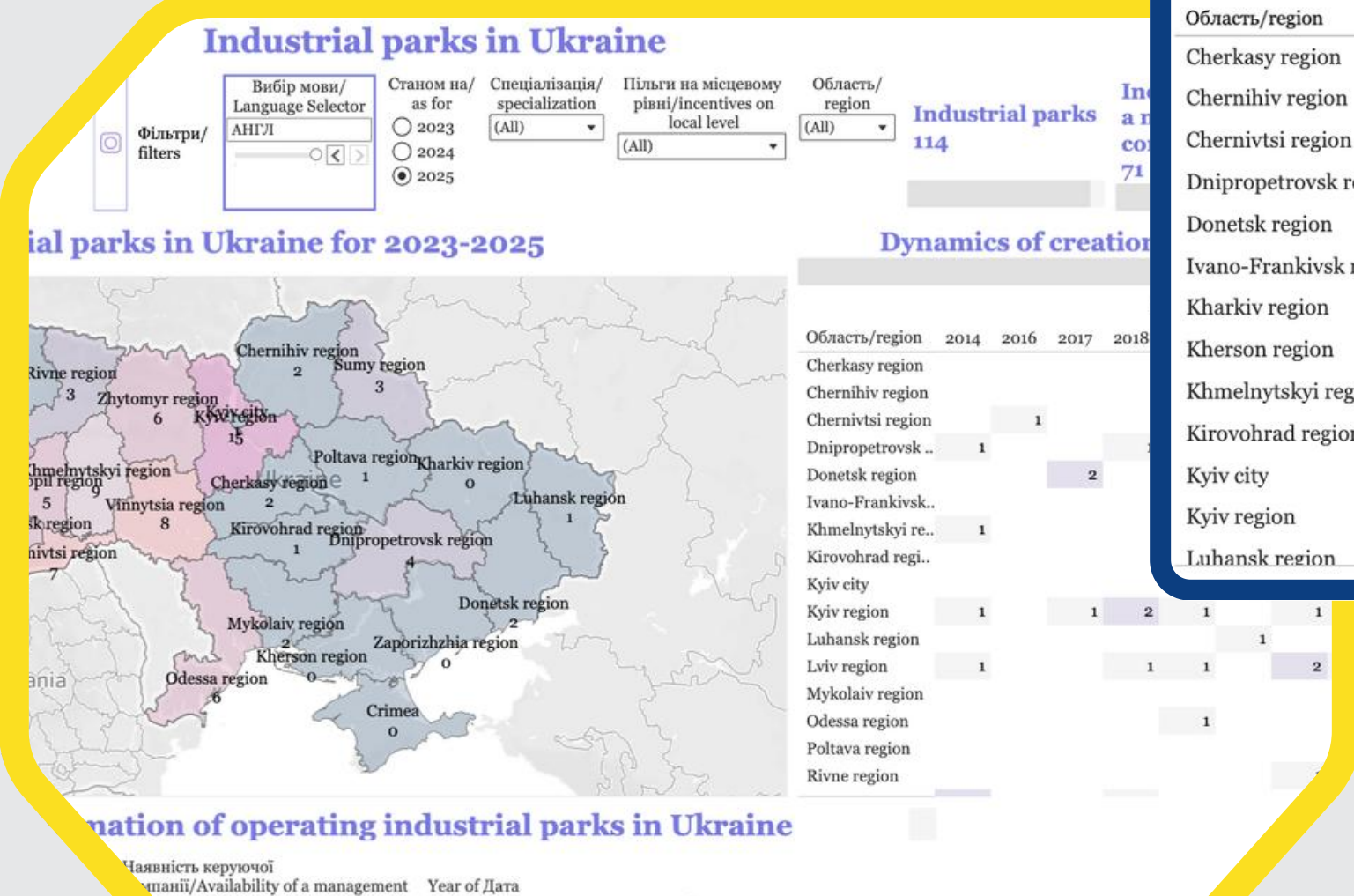
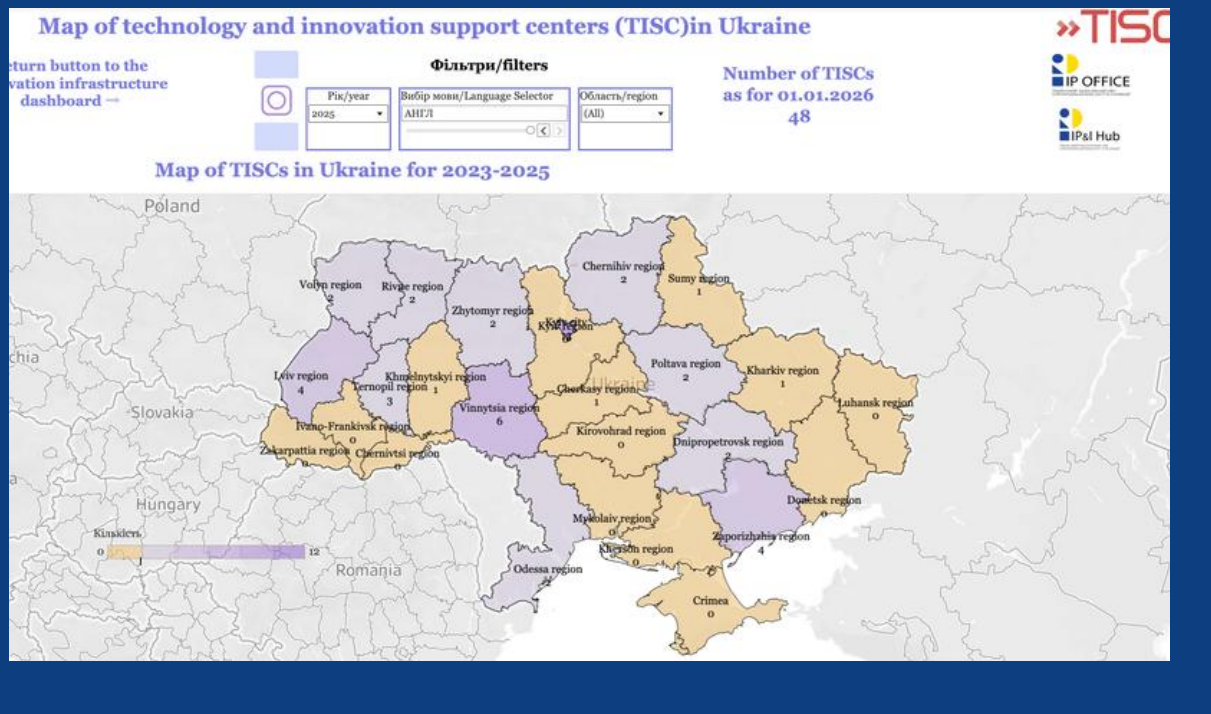


Elements of Innovative infrastructure of Ukraine for 2024-2025

Область/regi...	Інноваційна інфраструктура/innovation infrastru..	Назва елемента/name of element
Cherkasy region	Industrial parks	BIONSENSE
		Smila
		Zolotonosha
	Innovation and technology transfer centers	Center for Innovations and Competencies "CyberDiia" (Cherkasy State T University);
		Department of Intellectual Property, Commercialization and Technology National University of Horticulture)
		Information and Consultation Center for Technology and Innovation Sup Tychyna Uman State Pedagogical University).
	Innovation hubs	Educational and Scientific Center "Business Hub" (Pavlo Tychyna Uman Pedagogical University).
		Noosphere Engineering School based at Cherkasy State Technological U
	Innovative technology platforms	CISCO Networking Academy (Cherkasy State Technological University)
	Intellectual property centers	Department of Innovation and Patent Activity of the Scientific and Innov the National University of Civil Protection of Ukraine Department of Intellectual Property, Commercialization and Technology National University of Horticulture).

Dynamics of Elements of Innovative infrastructure of Ukraine for 2023-2025

Область/region	Інноваційна інфраструктура/innovation infrastructure / Рік/year								
	Industrial parks			Innovation and technology transfer centers			Innovation hubs		
	2023	2024	2025	2023	2024	2025	2023	2024	2025
Cherkasy region	1	2	2	0	3	4	0	2	0
Chernihiv region	1	1	2	0	5	4	0	1	0
Chernivtsi region	3	5	7	0	0	0	0	0	0
Dnipropetrovsk re..	4	4	4	2	6	0	2	3	0
Donetsk region	2	2	2	2	2	3	0	2	0
Ivano-Frankivsk r..	3	6	6	2	3	4	0	0	0
Kharkiv region	0	0	0	5	20	17	9	8	0
Kherson region	0	0	0	0	0	1	1	0	0
Khmelnyskyi regi..	4	6	9	2	0	1	0	2	0
Kirovohrad region	0	0	1	6	7	8	2	7	0
Kyiv city	1	1	1	0	2	2	0	6	0
Kyiv region	10	13	15	0	0	0	0	1	0
Luhansk region	1	1	1	0	0	0	0	0	0



Interactive dashboards of innovation infrastructure



Dashboard: Innovation Infrastructure

- Provides a comprehensive overview of the national innovation infrastructure ecosystem
- Allows users to analyze the distribution of innovation entities by type (e.g., incubators, tech parks, science parks, startup schools, innovation parks, innovation clusters)
- Enables filtering and comparison across regions and categories
- Supports identification of structural composition and coverage of innovation infrastructure
- Facilitates high-level exploration of the ecosystem through interactive filters and aggregated indicators



Dashboard: Technology Transfer & Innovation Support Infrastructure (TISC Map)

- Visualizes the geographical distribution of TISCs
- Allows users to explore spatial patterns and regional coverage
- Enables comparison of regions based on availability of innovation support services
- Provides interactive navigation through map-based interface



Dashboard: Industrial Parks Map

- Allows users to analyze regional distribution of industrial parks
- Enables comparison by status, type, or development stage
- Provides a tool for identifying regional industrial development patterns

Major UANIPIO projects implemented (on requests)

Comprehensive turnkey solutions for governmental institutions, agencies, universities, corporations, and other entities.

Project "TechTransferBoost" (Municipal Institution "Institute of the City" of the Lviv City Council)

Key issues and the current status of TT in the country and Lviv.

Stakeholder mapping in Lviv

Selection of the key technologies

Proposing solutions for technology commercialization

University Innovation Activity Profile (at the request of NAU)

- Analysis of technological advancements.
- Identification of the key technologies (those with the highest potential for implementation);
- Comprehensive patent analysis (including patent landscape);
- Recommendations for implementation and commercialization of the identified technologies

Cooperation with Royal Holloway, University of London

- Organization of three open innovation workshops in Kyiv and Lviv
- Production of two thematic podcasts on open innovation
- Development of a practical toolkit for applying open innovation instruments in academic and institutional contexts

Neuro Impact Challenge (at the request of Yuria-Pharm)

Seeking an innovative solution in the form of a medical product or pharmaceutical aimed at treating or enhancing the condition and quality of life, or diagnosing patients with neurological disorders.



Strategic Areas for International Collaboration

IP and Innovation Analytics Cluster



Comparative analyses of ecosystems



- **What we analyze:** ecosystem structure by types and sectors (TTO, science and technology parks, incubators, clusters, startups), intellectual property (patents, trademarks, designs), participation in grants and programs, investment activity, and regional priorities (S3 and sectors).
- **Comparative metrics:** number of infrastructure centers, IP intensity (per 100,000 employees), proportion of high-tech exports, involvement in Horizon/EIC, percentage of SMEs engaged in R&D.
- **Output:** quarterly "Innovation Snapshot" (2-4 pages), interactive dashboard.

"Innovation Player Map" with Profiles



- **Organization profile:** type (TTO/park/incubator/cluster/startup), location, sector, services (intellectual property, certification, laboratories), technology readiness level, willingness to engage in partnerships.
- **Connections:** co-patenting / co-publishing / funding / pilot programs / licensing agreements / investment contracts.
- **Taxonomies and identifiers for interoperability** include institution identifiers (NACE/PKD/KVED), ROR/GRID/EDRPOU (organizations), and ORCID (authors).
- **Output:** interactive network map and export of "short lists" for specific requests.



Strategic Areas for International Collaboration

GAP analysis of competencies (IP & TT competencies)

Audiences:

- TTOs/HEIs, clusters, SMEs/startups, public officials

Competency framework

- innovation management, technology transfer, licensing, collaborations, technology evaluation, intellectual property management

Output

- Heatmap of competencies categorized by groups (TTO/HEIs, SMEs/startups, clusters, civil servants).
- Upskilling strategy for each group



Collaboration between UANIPIO and institutions from Ukraine



Lab2Market Veterano

- **Objective:** Provide veterans and their family members with access to knowledge, mentorship, and laboratories to transform ideas into prototypes and pilot projects.
- **Format in the region:** 8 weeks, hybrid; 25–30 participants.

Possible partners and Responsibilities:

- Regional State Administration/Regional Development Agency: recruitment announcement, selection process, microgrants/vouchers for the prototype.
- UANIPIO: training program (business model development, pitching, UA/EU intellectual property policy), intellectual property support, mentorship.
- University/park/cluster: entrepreneurial training, access to laboratories.
- International partners: guest mentors, European Union market entry cases, investment network.
- Participant track: training → mentoring sessions → prototype development → IP applications → Demo Day (regional)
- KPI: percentage of program completion; number of prototypes/Proofs of Concept; number of intellectual property applications submitted; number of internships; number of agreements with businesses/investors.

Collaboration between UANIPIO and institutions from Ukraine

Regional technology registry and investment matchmaking

Objective: accelerate the transition of regional technologies into pilot projects and investment opportunities

Unified database: structured technology profiles including description, problem/solution, TRL, IP status, prototypes/pilots, technical parameters, and unique value proposition

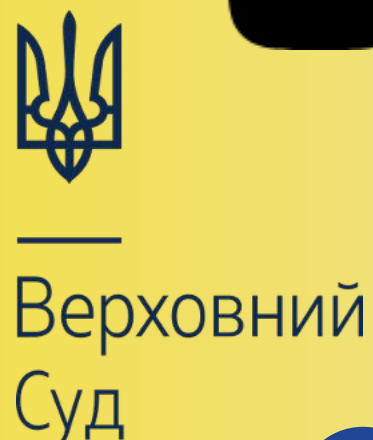
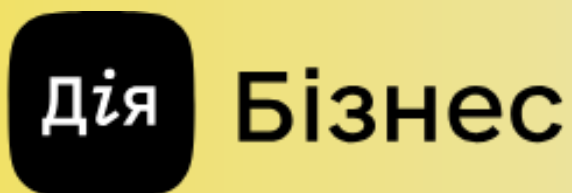
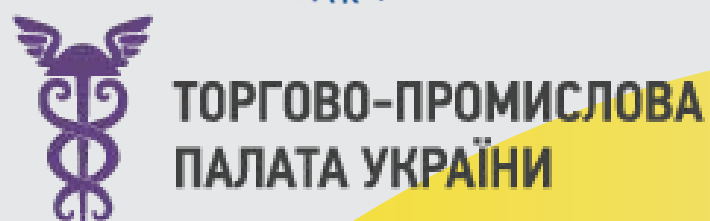
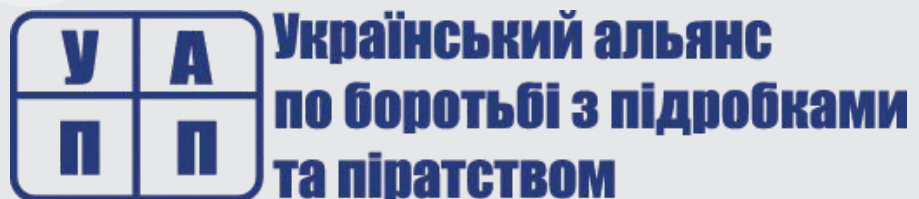
Investor profiles (for matching): business angels, venture funds (pre-seed/seed/Series A), corporate venture units, accelerators, grant and innovation programs, development banks; including funding readiness for pilots, sector focus, and geographic scope

Matching mechanism: technologies meeting ≥ 3 key criteria are included in the shortlist; additional weighting for existing pilots or certifications; manual moderation by regional coordinators and UANIPIO (relevance validation and conflict avoidance)

- Shortlists: tailored selections of technologies based on specific investor or corporate requests
- Engagement formats: Pitch Days / Office Hours (monthly or quarterly), thematic “Challenge-to-Pilot” initiatives

KPIs: database of 150+ validated technology profiles per region; 60+ investor profiles

PARTNERS



With international organizations

With city and regional councils

With business associations and the Chamber of Commerce

More than 50 higher education institutions and universities

With numerous representatives of the innovation ecosystem





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