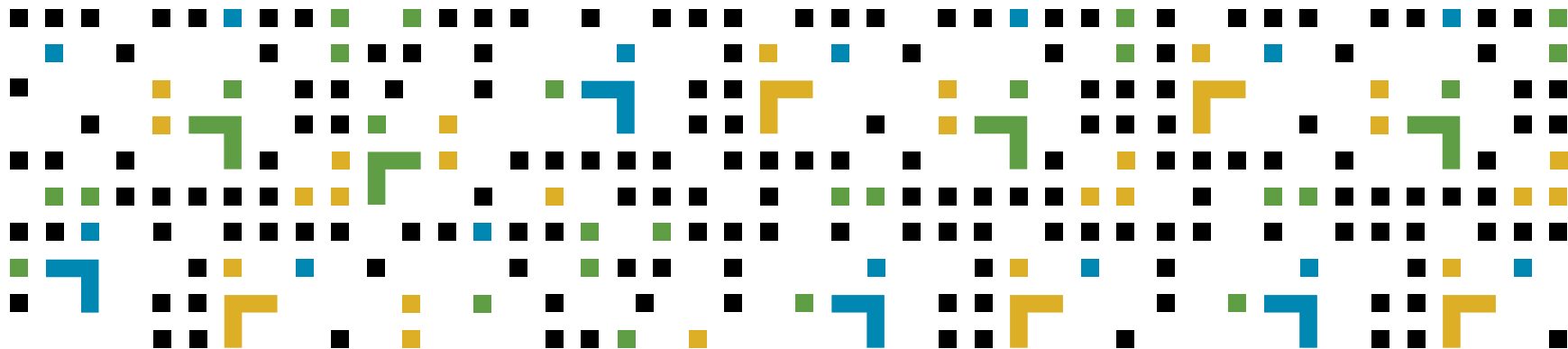


# Regional Innovation Strategy of the Śląskie Voivodeship RIS WSL 2021-2030

**Bielsko-Biała 22/11/2022**

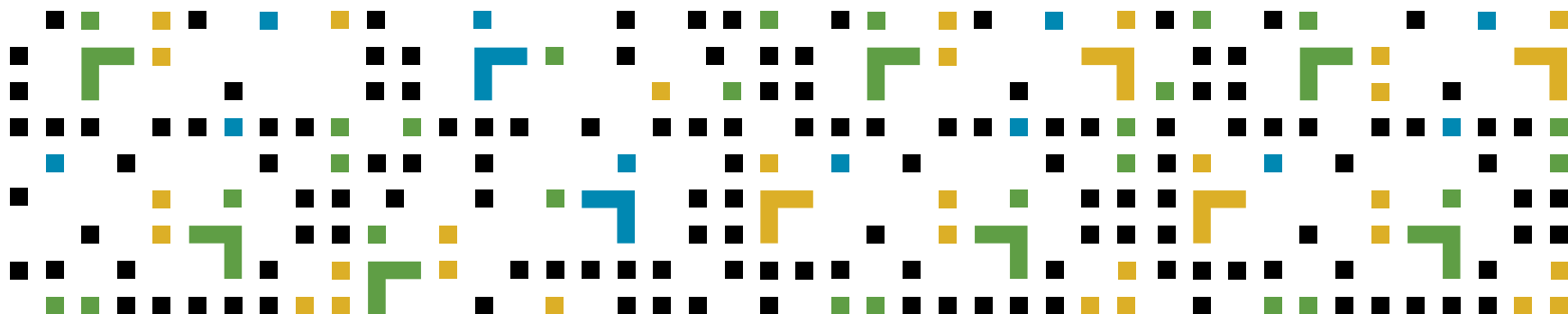
The meeting is carried out as part of the project "Network of Regional Specialist Observatories in the Entrepreneurial Discovery Process in the Silesian Voivodeship" co-financed by the European Union under the European Regional Development Fund (ROP WSL).

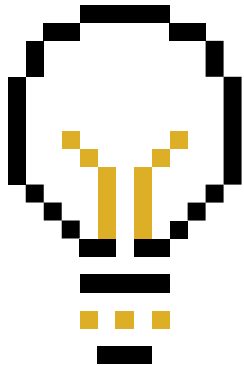
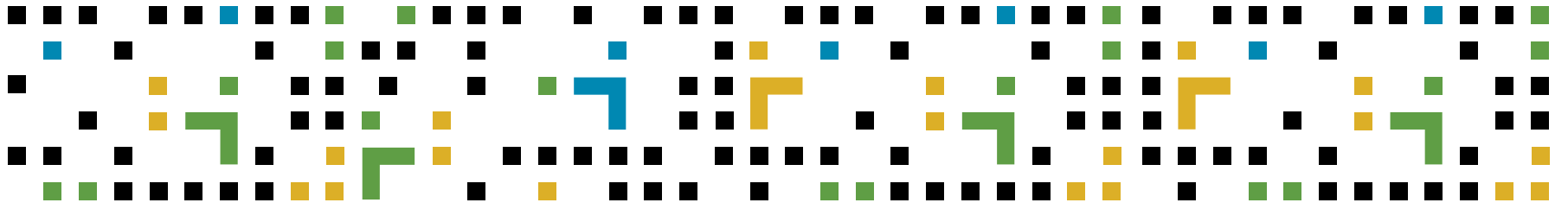


# Regional Innovation Strategy of the Śląskie Voivodeship 2030

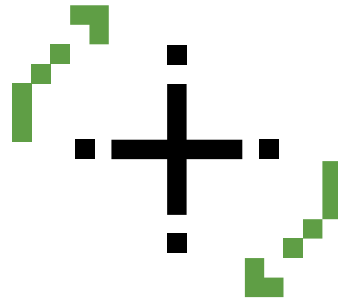
**Monika Ptak-Kruszelnicka** , Head of the RIS Department in the Department of Development and Transformation of the Region

*Office of the Marshal of the Silesian Voivodeship*

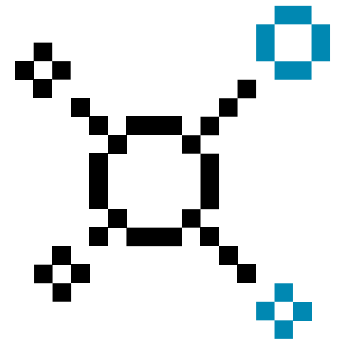




**INNOVATIONS**



**COOPERATION**

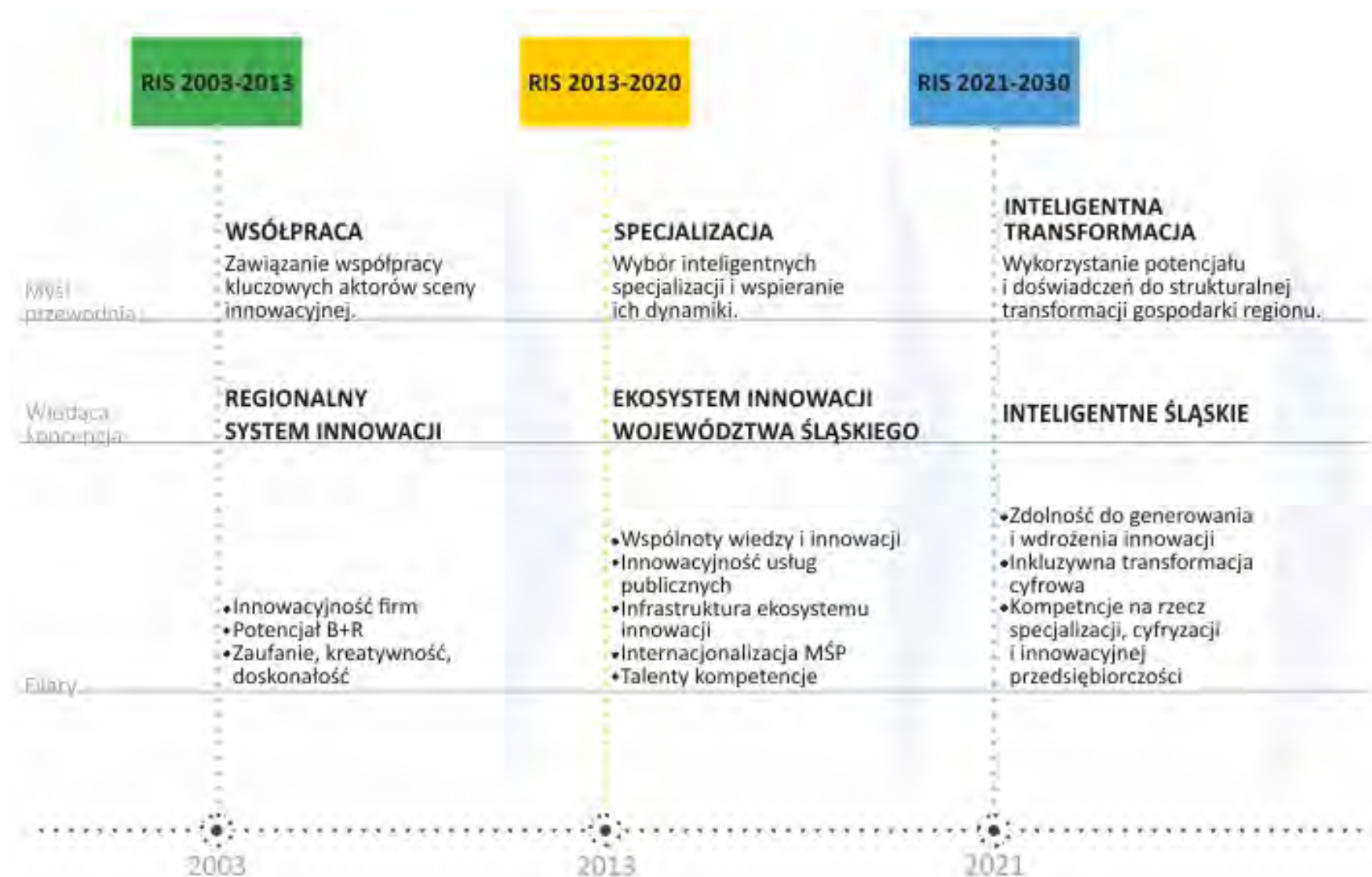


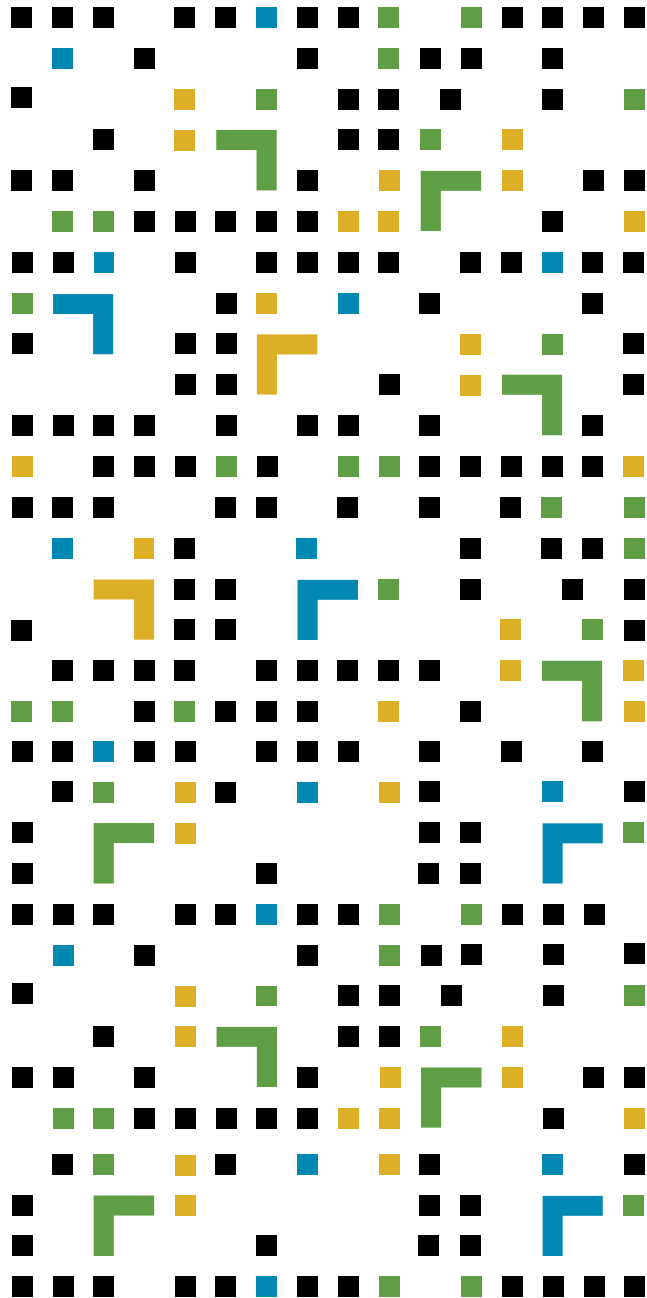
**INTEGRITY**



INNOVATIO  
NS

# Evolution of RIS over the years 2003-2020

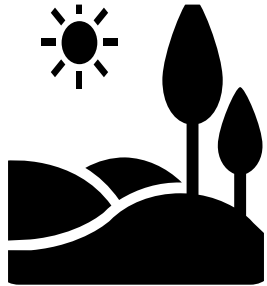




## Regional Innovation Strategy of the Śląskie Voivodeship RIS WSL

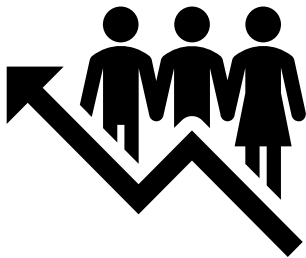
**integrates the inner potential in  
the field of innovation policy,  
gives direction development  
indicates key and competitive  
areas height:  
smart specializations  
in the process of  
entrepreneurial discovery  
(PPO)**

# Strategic provisions



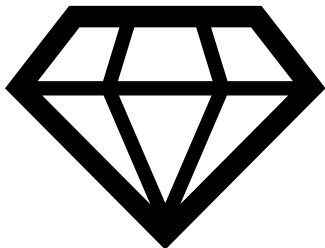
**Zielone Śląskie - the Śląskie Voivodeship will be a modern European region with a competitive economy, resulting from a responsible transformation, providing development opportunities for its inhabitants and offering a high quality of life in a clean environment**

Vision of the development of the voivodship



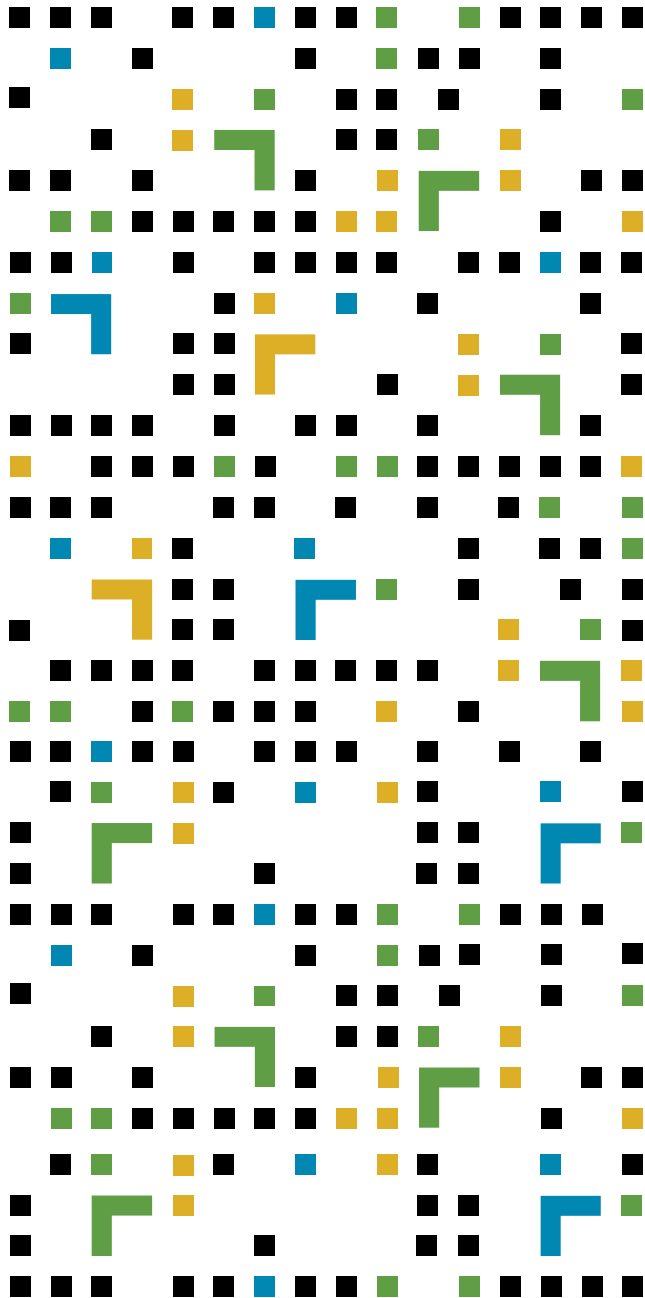
**The Śląskie Voivodeship as a region of responsible economic transformation**

Strategic goal of the region



**Smart Śląskie - innovative and intelligent economic transformation ensuring a competitive advantage of the region on the international arena**

The main goal of the RSI



## Condition diagnosis

**Loss of economic development dynamics**

**Silesian Voivodeship  
among moderately innovative  
regions (202nd place  
among European regions)**

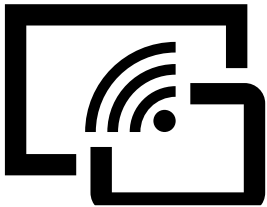
**Innovation diffusion bottlenecks**



# Development challenges



**Improvement of the level of innovativeness of the region's economy against the background of Europe**



**Digital transformation in the economy and society, minimizing the risk of digital exclusion**

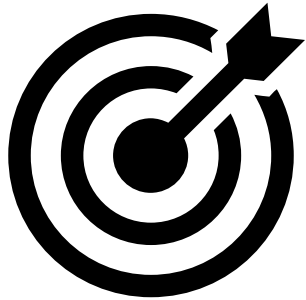


**Reducing the atomization of the economic structure in the conditions of growing pressure of international competition and legal requirements for the functioning of small businesses**



**Increasing the integration of the innovation ecosystem, supporting the development of competences in the economy of the Silesian Voivodeship.**

# Detailed objectives and activities of the RIS

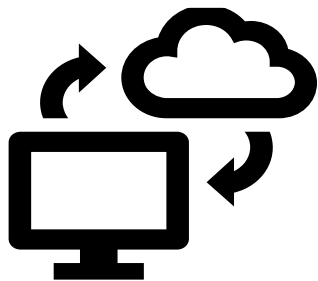


## **C1. Increasing the capacity of regional innovation ecosystem entities to generate and implement innovations and modern technological solutions**

**D.1.1. Dynamizing smart specializations**

**D.1.2. Implementation of innovations in enterprises**

**D.1.3. Strengthening research infrastructure for regional science-business partnership**

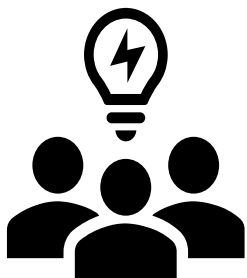


## **C2. Ensuring an inclusive digital transformation in the economy and society of the region**

**D.2.1. Supporting the end-to-end digital transformation of SMEs**

**D.2.2. Creating smart public sector products and services that meet societal challenges**

# Detailed objectives and activities of the RIS



## **C3. Supporting the competitiveness and effective transformation of entities of the regional innovation ecosystem towards national and international champions**

**D.3.1. Comprehensive support for start-ups**

**D.3.2. Activating cluster environments**

**D.3.3. Supporting the transformation and internationalization of entities of the regional innovation ecosystem**



## **C4. Developing the competences of employees and entities of the regional innovation ecosystem for smart specializations, digital transformation and innovative entrepreneurship**

**D.4.1. Development of employees' competences for the competitiveness of the regional economy**

**D.4.2. Strengthening the regional innovation ecosystem**

**D.4.3. Internationalization of entities of the regional innovation ecosystem**



Regionalna  
Strategia  
Innowacji

# RSI flagship designs



Eco -innovations in the region



Silesian science and technology parks



Śląskie - Polish valley of technology for medicine



Map of regional key research infrastructure



Testing social and technological innovations



Regional innovation vouchers



Digital solutions for public services



Digital Innovation Hubs



up



Innovation of technology companies 3.0



Network of Regional Specialist Observatories (SO RIS)

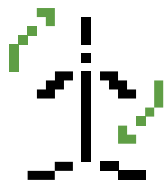


A program for raising and changing professional qualifications for the needs of green energy

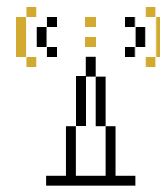


Laboratory of New Technologies in Żory

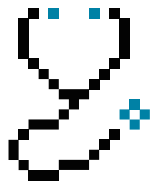
# Smart Specializations of the Śląskie Voivodeship IS WSL



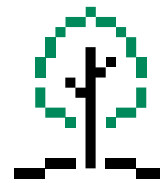
**ENERGETYKA**  
Inteligentna  
Specjalizacja



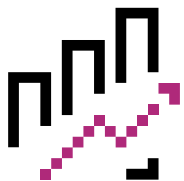
**ICT**  
Inteligentna  
Specjalizacja



**MEDYCYNĄ**  
Inteligentna  
Specjalizacja



**ZIELONA GOSPODARKA**  
Inteligentna  
Specjalizacja



**PRZEMYSŁY WSCHODZĄCE**  
Inteligentna  
Specjalizacja

# areas technological



## Potentials

- technologies for medicine (health care)
- technologies for energy and mining
- technologies for environmental protection information technologies and telecommunications
- production and processing of materials design technologies and manufacturing in the aerospace industry and the space industry
- nanotechnologies and nanomaterials



# areas technological



## Emerging areas \_ technological:

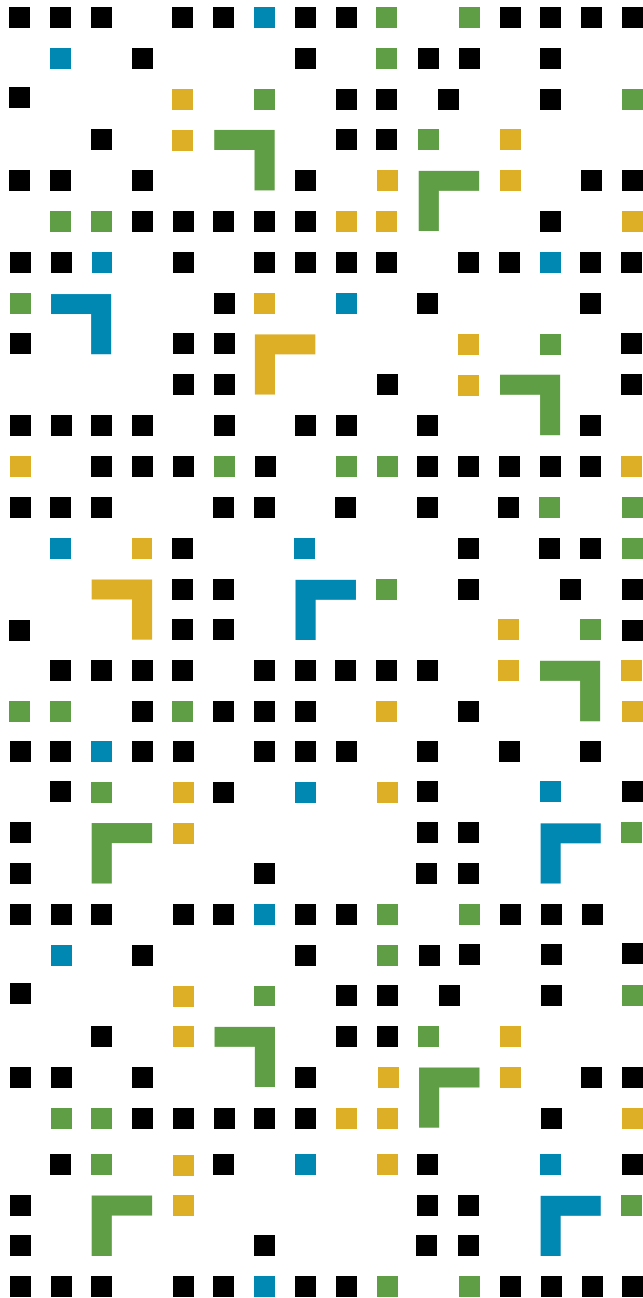
- Logistics and transport
- Technologies for the raw materials industry





COOPERATION





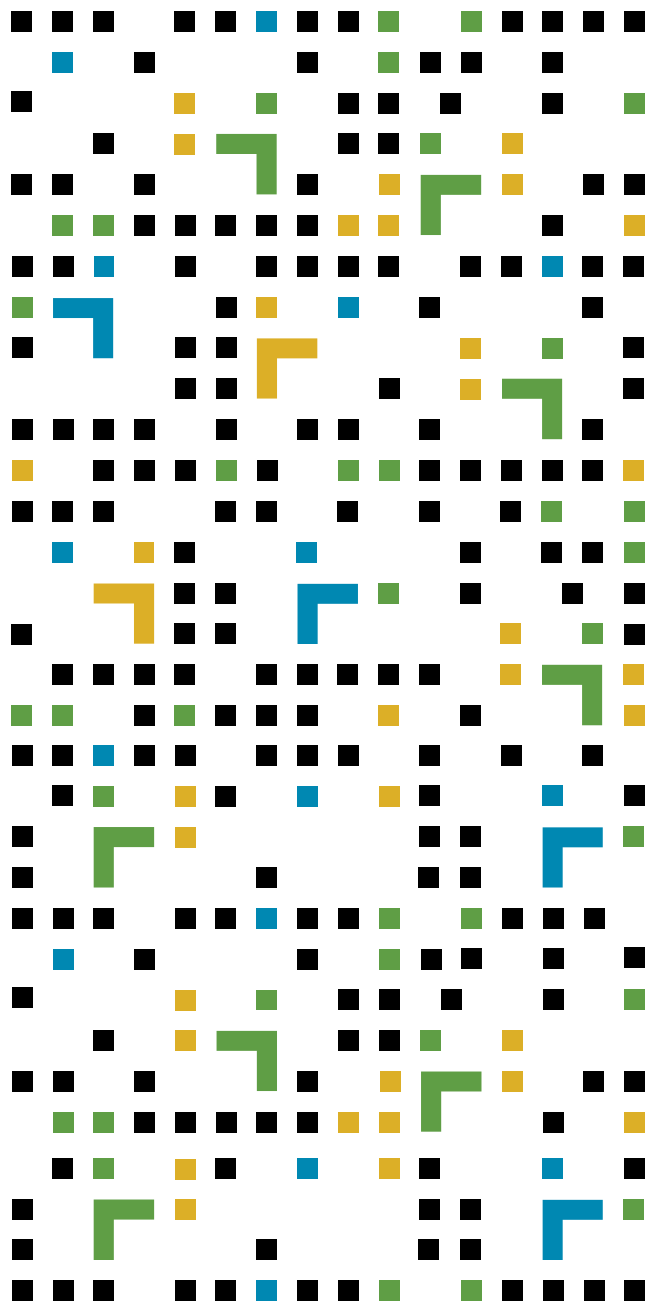
## RSI management structure

The leading role of the Śląskie Voivodeship  
in shaping and implementing the innovation policy

Steering Committee - an opinion-making and advisory  
body for the Voivodship Board in the field of  
implementation, programming, coordination,  
implementation, monitoring and evaluation of the  
voivodship's development policy in the field of  
innovation

Silesian Innovation Council - an expert body conducting  
substantive work on the main tasks resulting from the  
current needs of the region in the field of innovative  
development

Changing the operation of the IRI by creating expert  
groups  
in terms of individual smart specializations



**The network of Regional Specialist Observatories is :**

**permanent cooperation  
platform of the Marshal 's  
Office of the Silesian  
with key regional institutions  
and ecosystem participants  
innovation  
in technological areas  
operating since 2013 r.**

# SO institutions

RIS

## INNOVATION

Marshal 's Office of the Silesian Voivodeship, RIS



Województwo  
Śląskie

Specialist Observatory in the area of Technologies for Environmental Protection (2013)  
Central Institute Mining



Specialist Observatory in the field of Information and Telecommunications Technologies (2013)  
Science and Technology Park TECHNOPARK GLIWICE Sp. With o.o



# SO institutions

RIS

- Specialist Observatory in the area of Technologies for Medicine (2014)

## LEADER OBSERVATORY

Upper Silesian Agency for Entrepreneurship and Development Sp. With o.o

Cardiac Surgery Development Foundation prof. Zbigniew Religa  
Łukasiewicz Research Network – Institute of Medical Technology and  
Equipment Silesian University of Technology – Faculty of Engineering  
Biomedical  
Medical University of Silesia in Katowice



# SO institutions

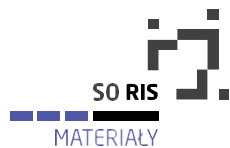
RIS



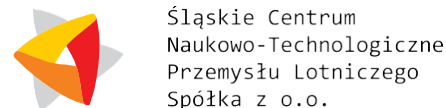
- **Specialist Observatory in the area of Technologies for Energy (2013) Science and Technology Park "Euro-Centrum" Sp. With o.o**  
**Regional Development Agency in Czestochowa**



- **Specialist Observatory in the area of Materials Production and Processing (2019) Silesian**



- **Specialist Observatory in the area of Aerospace Technologies and Space Industry (2019) Śląskie Centrum Naukowo-Technologii Przemysłu Lotniczy Sp. With o.o**



# SO institutions

RIS

- Specialist Observatory in the field of Nanotechnologies and Nanomaterials (2014)

## LEADER OBSERVATORY

University of Silesia in Katowice

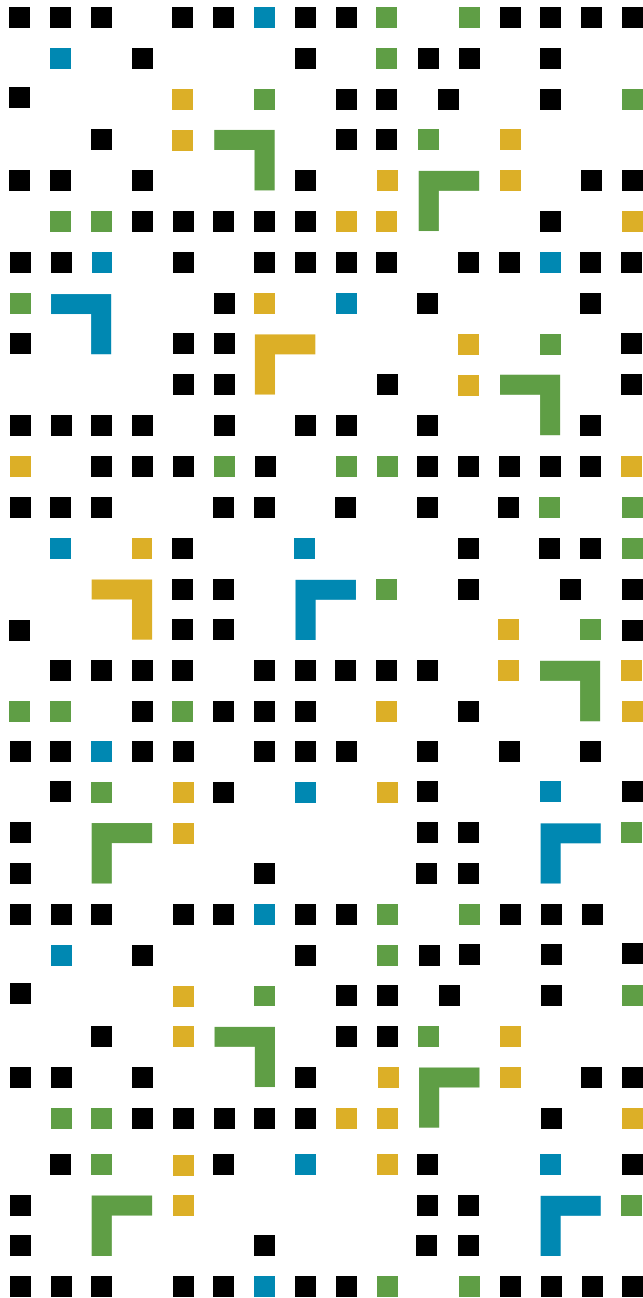
SPIN-US Sp . With o.o

Foundation for the Support of Nanosciences and  
Nanotechnologies – NANONET Łukasiewicz Research Network –  
Institute of Non -Ferrous Metals Center for Polymer and  
Carbon Materials MR





INTEGRITY



## RSI monitoring

**Monitoring** - carried out on the basis of publicly available statistical data, which may be supplemented by own research

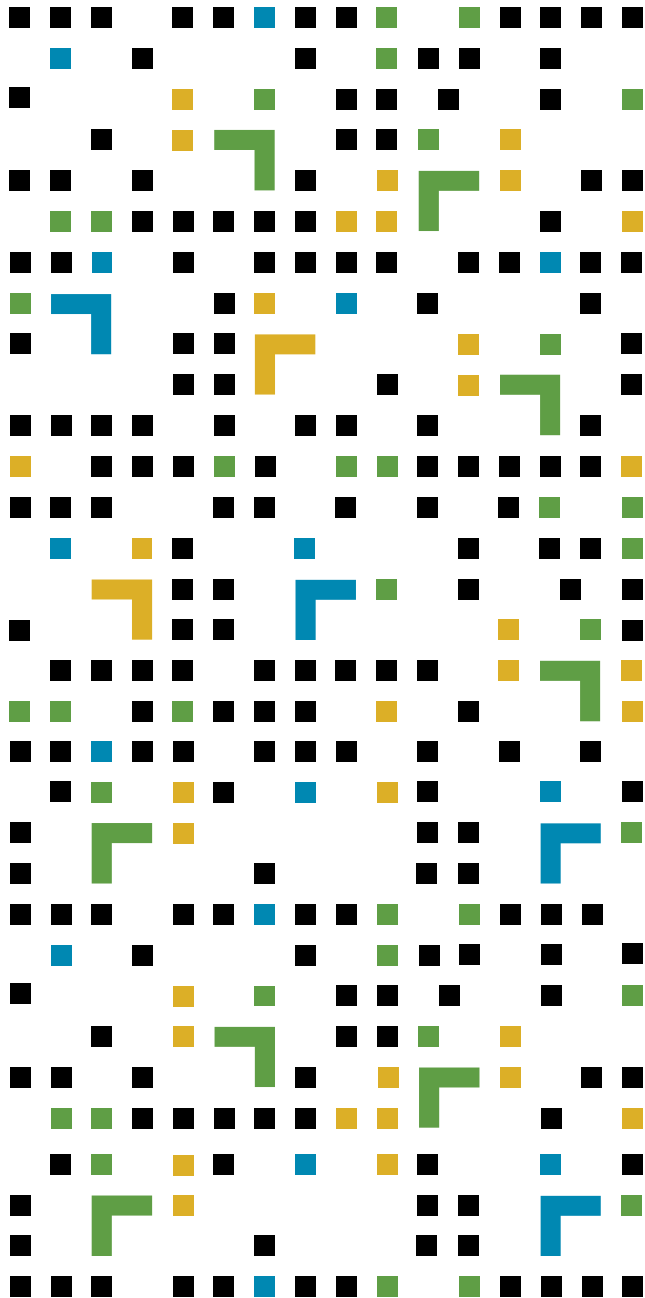
For RIS monitoring - indicators specified in the Development Strategy of the Śląskie Voivodeship "Śląskie 2030" - used to develop monitoring reports approved by the Voivodship Board

One of the indicators of the implementation of the Regional Innovation Strategy will be the position of the Śląskie Voivodeship in the *Regional Innovation ranking scoreboard*.

### **RSI main objective indicators**

- Expenditures on innovative activity of enterprises (in services and industry)
- Average share of innovative enterprises in the total number of enterprises (%)
- Share of expenditure on innovative activity in enterprises in domestic outlays
- People working in R&D per 1,000 professionally active people (ECP)
- Patents granted by the Polish Patent Office for 100,000 residents
- The value of support for innovative activities within the meaning of the allocation of funds under the Cohesion Fund for innovative activities in the region in 2021-2027





## RSI funding sources

The main source of funding for the Regional Innovation Strategy - funds from the Regional Operational Program of the Śląskie Voivodeship for 2021-2027

Contributions for project co-financing - beneficiaries' own funds and regional and national public funds

As part of financial engineering - instruments such as loans, credits, sureties or venture capital

Funds from the Silesian Development Fund

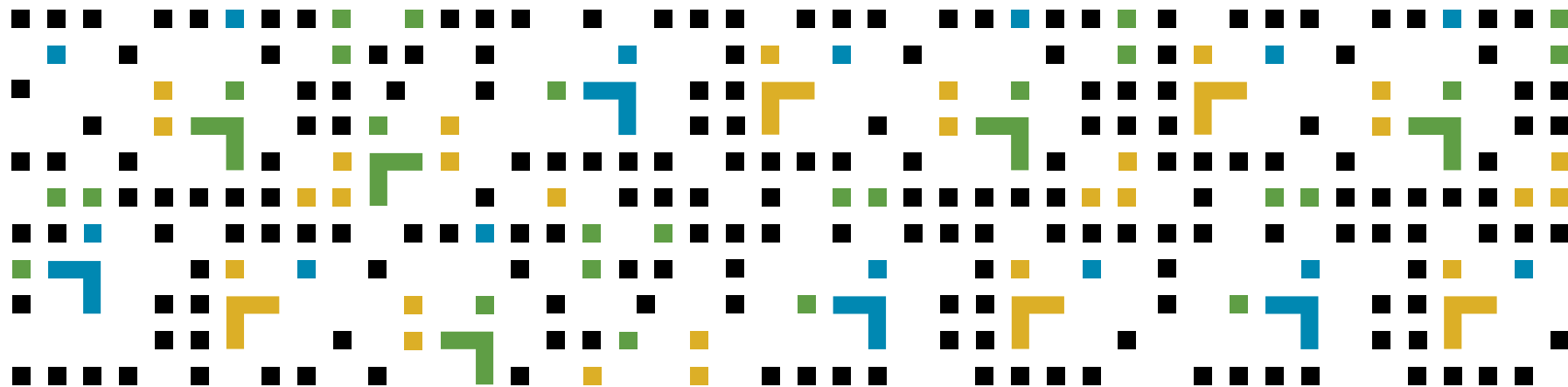
Financial resources under national Operational Programs and international support programs for the promotion of research and development (Horizon Europe)



innovation  
cooperation  
and  
integrality



**it's better quality life  
in the region and  
international  
competitiveness through  
smart transformation.**



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