Strategic partnerships of Statistics Poland

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SCORUS conference
Challenges

• Changing information sector
• Digital economy
• Explosion of the number of potential new data sources, flood of big data
• Growing number of data providers
• Limited resources, knowledge, skills and experience
• Limited perspectives
• ...

...the job seems to be too big for just any one institution or sector
Strategic partnerships

• cooperation crucial for the parties to reach their strategic goals
• parties benefit serving public, sharing the same customers
• exchange of experience, common cohesive solutions and approaches
  • new techniques
  • new methods
  • new skills
  • new data
Strategic partnerships

• innovation, development of new or improved
  • products,
  • processes,
  • communication methods
  • strategies
• more efficient production processes
  • granularity, timeliness, scope of statistics
  • new surveys, measuring what matters
  • new sources and kinds of data
Partnerships at Statistics Poland are build starting on the strategic level, 
  • the need is explicitly communicated by a top management, 
  • with an intention to eventually become a separate formalized strategy itself (strategy for building partnerships).
Partners

• Central, regional and local public administration (GOV)
• Research and higher education sector (HES)
• Private non profit organizations (PNP)
• Business enterprise sector (BES)
Statistics for cohesion policy
strategic partnerships, 2 framework projects

• Strategic partnership with the Ministry responsible for regional development
  • Support for the monitoring of cohesion policy in the financial perspective 2007-2013 and programming and monitoring of cohesion policy in 2014-2020
  • Support for the monitoring of cohesion policy in the financial perspective 2014-2020, and after 2020
• ~100 research projects so far
Statistics for cohesion policy
strategic partnerships, 2 framework projects

• Europe 2020
• R&D and innovation
• Labor market and poverty
• Regional accounts
• Public services
• Functional areas
• Databases for monitoring of cohesion policy
• Other research projects
Public Service Monitoring System (SMUP)

• Development and implementation of the public services monitoring system
• Partners
  • The Ministry of Internal Affairs and Administration
  • Association of Polish Cities
  • Association of Polish Districts (Poviats, NUTS4)
  • Silesian Association of Municipalities
Public Service Monitoring System (SMUP)

• Lack of a consistent monitoring system for public services,
  • which would allow every citizen to gain access to information on the availability and quality of delivery of goods and services,
  • for which public authority is responsible

• The institutions responsible for the delivery as well as the recipients of services have
  • limited possibilities to compare their
    • quantity and quality,
    • availability and cost efficiency
Public Service Monitoring System (SMUP)

• 16 working groups
  • Public Services Research Methodology Group,
  • System and IT Group,
  • Source Integration Group,
  • 6 Thematic Working Groups,
  • 6 Groups of Experience Exchange and
  • Focusing Group
Public Service Monitoring System (SMUP)

• Innovations come through
  • jointly defining the needs and design of appropriate means to measure and monitor public services
    • by experts from official statistics and local government experts
  • testing and piloting developed solutions
Integrated Social Economy Sector Monitoring System

- Partnership with
  - Ministry of Family, Labor and Social Policy
  - PNP (NGOs)
- The main goal of the is to create and sustain a comprehensive monitoring system for the social economy sector
- Provide key indicators related to the condition of the social economy sector and its importance in the national economy
- Planning and evaluation of national and regional public policies for the development of the social economy
Social and economic development in conditions of globalizing markets (GOSPOSTRATEG)

- The first competition for open partnerships projects between
  - public administration and
  - research, non-governmental organizations,
- under the strategic program for R&D support
- The main objective of the Program is
  - to increase the use in the perspective of 2028 of the results of socio-economic research
    - in shaping national and regional development policies
1. ** Applicant / Leader and members of the consortium**: Statistics Poland; Tadeusz Kościuszko Cracow University of Technology; Szczecin Maritime University
   
   **Title of the project**: An intelligent system for the production of road and maritime transport statistics - using large data volumes serving the country’s transport policy

2. **Applicant / Leader and members of the consortium**: Statistics Poland; Institute of Geodesy and Cartography; Space Research Center of the Polish Academy of Sciences
   
   **Title of the project**: Satellite identification and monitoring of crops for the needs of agricultural statistics

3. **Applicant / Leader and members of the consortium**: Statistics Poland; Warsaw School of Economics; Institute of Computer Science of the Polish Academy of Sciences
   
   **Title of the project**: Construction of an integrated system of retail price statistics
Intelligent system for the production of road and maritime transportation statistics

• Partners
  • Cracow University of Technology Tadeusz Kościuszko
  • Maritime University of Szczecin

• Combining data from various sources, developing methods and using appropriately adapted tools for processing big data

• Modernization of the production of statistics, implementation of new technological solutions leading to:
  • reduction of the burden on respondents
  • production costs

• Development of new statistics, methodology for estimation of traffic volume, transportation performance and emission of pollutants
Integrated system of retail price statistics

- Partners:
  - Warsaw School of Economics
  - Institute of Computer Science, Polish Academy of Sciences
- Modernization of the process of measuring changes in retail prices of goods and services,
- Integration of new data sources, and methods of data acquisition
Satellite identification and monitoring of crops

• Partners:
  · Institute of Geodesy and Cartography
  · Space Research Center of the Polish Academy of Sciences

• Improving the identification and monitoring of agricultural crops

• Methods for assessing the impact of extreme events such as flood, drought, frosts, flooding, etc. on the condition of crops during the growing season

• Based on satellite data from the European COPERNICUS program
‘Circular economy monitoring’

- Partners:
  - Ministry of Entrepreneurship and Technology
  - Institute for Mineral Resources and Energy Economy of the Polish Academy of Sciences
  - Cracow University of Economics

- Development of measurement system, enabling the assessment of progress in the transformation towards a circular economy

- Assessment of the impact of a circular economy on socio-economic development at the mesoeconomic (regional) and macroeconomic level
Continuity and change - rural development and Polish agriculture

• Partners
  • Ministry of Science and Higher Education
  • Institute of Rural Development, Polish Academy of Sciences

• Interdisciplinary cooperation of the humanities and social sciences for environmental dialogue
Partnership cooperation on the regional level ‘Regional Research Centers’ in regional offices

• Strategic partnerships are intensively promoted on regional and local level,
  • regional statistical offices involved heavily in building regional information infrastructures
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• Objective
  • building a coherent, widely available, comprehensive information system
Role of Regional Research Centers

- established in 2010 - systematization of activities, experience and expertise knowledge
- a coherent operating model
- extended catalog of entities with which the Centers cooperate
- systemized and ad hoc cooperation (including cross-border)
- high activity in cooperation with local government and academia
- involvement in planning activities and monitoring of regional development
- statistical support for regional studies, analytical projects
- statistics education
Partners

• regional and local public administration  
  • local government (both regional and local level)  
  • local units of central government  
  • local departments of education  
  • regional and local labor market offices  
• academia (universities, research institutes)  
• institutions (territorial level) of neighboring countries  
• associations of cities, districts, etc.  
• PNP (NGOs)  
• National Bank of Poland (regional branches)  
• business sector, including associations
Forms of cooperation

• task teams and steering committees for the regional development strategies and regional industry strategies
• task teams for monitoring regional smart specializations
• task teams for monitoring the implementation and effects of social policies
• regional observatories and territorial forums
• Regional Operational Program monitoring task forces
Forms of cooperation

• labor market councils
• social dialogue councils
• regional innovation councils
• regional councils of health needs
• regional committees for the social economy
• task teams for rural development,
• task teams an action plan for employment
Agreements, letters of intent

- Marshal Offices
- Regional Spatial Planning Offices
- City Halls
- ‘functional areas’ (associations of cities, districts,...)
- research institutions
  - often - as a part of tripartite cooperation, i.e. with the participation of local government representatives
- Voivodship Offices
- regional labor market councils, observatories
- local departments of education
Areas of cooperation

- regional policy monitoring
- diagnosis of the socio-economic situation
  - e.g. functional changes of a territorial units
- developing a methodology for monitoring phenomena,
  - e.g. smart specializations
- specific disaggregation of data
Areas of cooperation

• specific research topics
  • e.g. the number of foreigners on the labor market),
  • suburbanization
  • rural development
  • the social economy sector
  • situation of elder people
  • innovation
  • tourism
  • cooperation between business and academia
  • ...
Research and analytical projects (examples)

• Diagnosis of the socio-economic situation of rural areas and agriculture in the Lublin province
  · for the Silesian Voivodship Office

• Opportunities, threats and potential directions of rural development by 2030 in the Lower Silesia Voivodship
  · for the Marshal Office of the Lower Silesian Voivodship, Agricultural Advisory Center in Wrocław, University of Life Sciences

• European regions for synergies in the circular economy (SCREEN)
  · for the Marshal's Office, Regional Office of the Lodzkie Voivodship in Brussels
Research and analytical projects (examples)

• The situation of older people in the Warmian-Masurian Voivodeship
  • for the Warmian-Masurian Voivodeship Office
• Study of conditions and directions of spatial development of Szczecin
  • for the City of Szczecin, the Department of Spatial Planning
• Study of the creative sector in Poland
  • for the University of Warsaw
Outputs

- effective statistical information management
  - quick response to the changing needs
- identification of user needs
- comprehensive research agenda
- cooperation with other partners for regional studies
- analytical support for regional authorities
  - strengthening their competences
- partnership in developing strategies and development program plans
Outputs

- integration of non-statistical sources
- implementation of new research methods and tools
  - based on experience from partnerships
- knowledge hub for regional studies
  - integration of dispersed but available data and knowledge in the region
- sharing knowledge
- statistics education
Partnerships with international partners

• Evaluation of innovation policies
  • partners
    • World Bank
    • National Center for Research and Development
  • counterfactual analysis based on NSO’s data

• Productivity analysis
  • IMF
  • Ministry of Growth
Other partnership activities with academia

- Statistical Olympiad
- Competition for the best MA and PhD thesis
- School classes and academic lectures
- European statistical competition
- Hackathon (‘Show-me-data’, AR applications)
- ‘Corporate’ Social Responsibility
- Academic conferences (10 in 2018)
Forthcoming significant partnerships

• ‘Open Data Plus’
  • partners
    • Ministry of Digital Affairs
    • Ministry of Finance
    • other public administration partners
    • NGOs, BES
  • building comprehensive and cohesive system of APIs to public databases

• Health statistics
  • partners:
    • National Health Fund,
    • Ministry of Health
  • exploring the potential of health care data
Lessons learned

• Understand motivations and objectives
• Build trust
• Develop clear agreements and be flexible
• Redefining the role of central and local authorities, evolution of responsibilities of government
• Partnerships are essential for efficient use of available assets and to achieve scaled economies
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Statistics Poland
Thank you
for your attention!

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