



## Building capacity in the Building Back Better era

### *Modern data ecosystem power, new capacity building perspectives*

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## Main points

1. Fundamental principles vs. the increasing complexity of data ecosystems
2. Good data quality  $\neq$  (always) valuable data
3. Focus on innovations and active searching for the financial support for development
4. Building on trust and competencies to enhance statistical systems capacities



## Cornerstone

- Fundamental Principles of Official Statistics
- The Treaty on the functioning of the European Union (art. 338)
- 223/2009 regulation on European statistics
- European Statistics Code of Practice
- national provisions related to official statistics



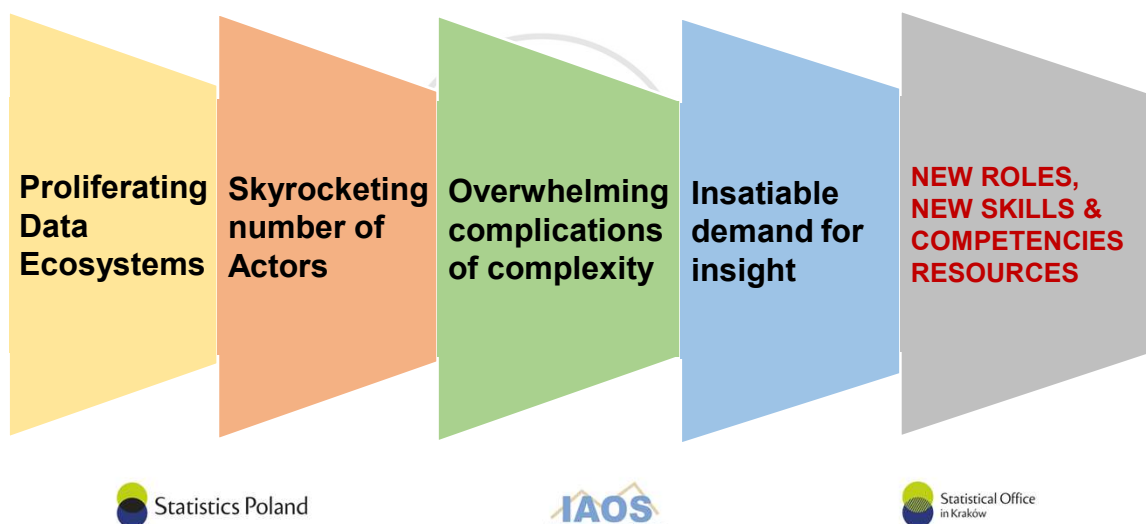
## What is well known?

- Reliance of decision-making on information – statistics as a public good
- Statistical data essential for:
  - evidence-based decision-making,
  - political accountability
- Attributes of official statistics:
  - transparent,
  - scientifically robust and
  - politically independent.
- Quality – clear statistics dominant

DEMOCRACY



## What are the challenges?



## Statistics data value – what IS it?

- Good data quality ensured and guaranteed by the Official Statistics does not seem to be enough from the point of view of our users who attach value to data on their own conditions
- Boom in statistics environment has accelerated the evolution in statistical products requested by our users/customers (policymakers, businesses and general society)
- *„We measure quality to ensure that we are producing the best statistics we can, and we measure value to ensure we are doing what people want”.*

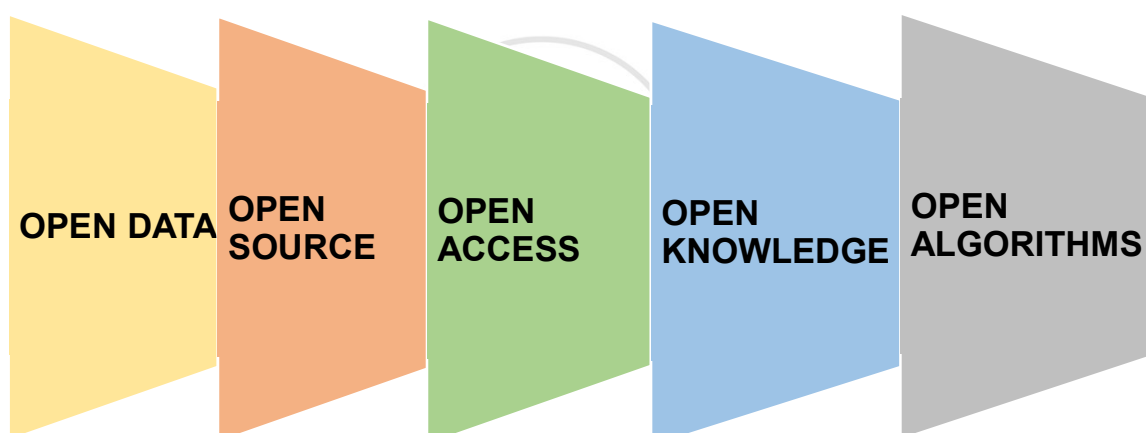
*„Measuring the value of official statistics - Task Force to Test and Develop the Framework for Measuring the Value of Official Statistics” CES, June 2022 – document under consultations*

## Crucial investments

- Go beyond being just regular data provider in order to keep up with changing user needs
- Promoting and strengthening new roles of official statistics through established partnerships & relations with users and stakeholders
- Focus not only on how statistics are generated but also how and for what purposes statistics is used - a user-centric approach
- Boost domestic and international resources to intensify the capacity building activities



## 5 O's Manifesto of Statistics Poland



## Polish examples of capacity-building-driven innovations (1)

### SMUP - Public Services Monitoring System

- Our response to needs defined by local government administration
- development and implementation of a universal, publicly available on-line, providing integrated, high-quality data, that will allow the optimizations of the process of providing public services
- Partners
  - Ministry of Internal Affairs and Administration
  - Association of Polish Cities
  - Association of Polish Counties



## Access to SMUP

The screenshot displays the SMUP web application interface. On the left, there is a sidebar for selecting geographical units (jednostka terytorialna) with a search bar and a list of regions. The main area contains several interactive panels:
 

- Wybierz wymiary w bocznym panelu aby wyświetlić dane.** (Select dimensions in the side panel to display data.)
- Wybór usługi** (Service selection): Zaspokojenie w wodzie (Water supply).
- Wybór wskaźnika** (Indicator selection): Zużycie wody z wodociągów na 1 korzystającego (Water consumption from water supply systems per user).
- Wyświetlenie mapy** (Map display): A map of Poland with a location marker.
- Porównanie wartości wskaźnika Polska - gmina** (Comparison of indicator values Poland - commune): A gauge chart showing a value of 69,7. The scale ranges from 0,0 (Minimum in Poland) to 147,5 (Maximum in Poland).

<https://smup.gov.pl/>



## Polish examples of capacity-building-driven innovations (2)

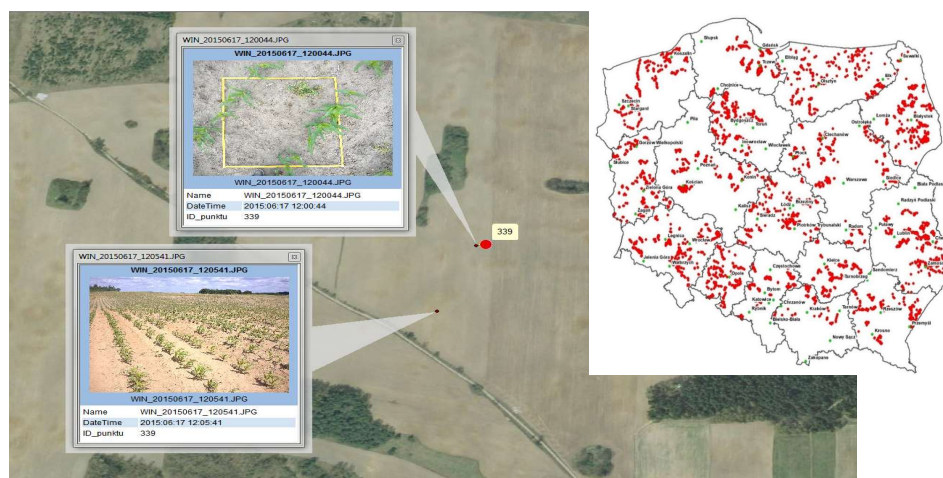


### SATMIROL – National Center of Research and Development, program GOSPOSTRATEG

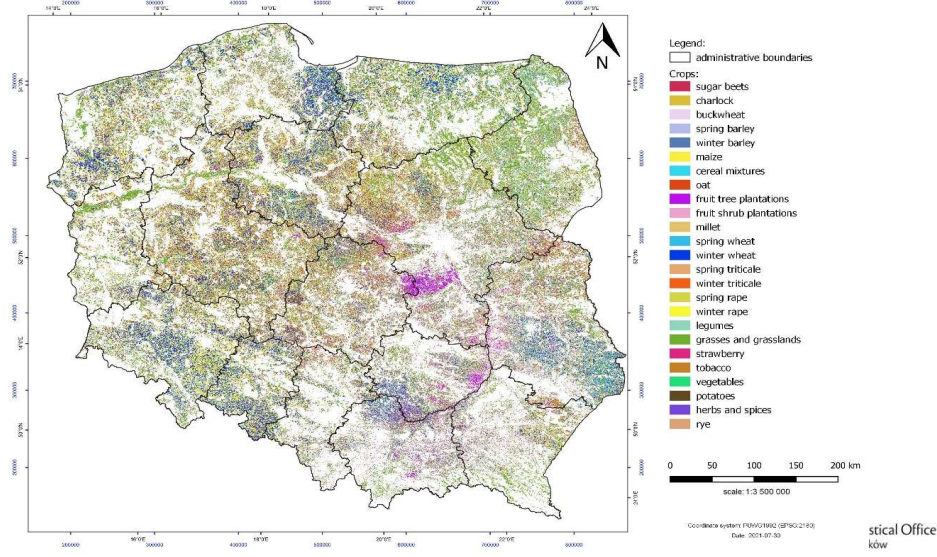
- The aim of the project is to develop methods of supporting the collection of statistical information on agricultural production in Poland (supporting plant growth monitoring, yield forecasting, detection of crisis situations, crop classification) using satellite data
- Partners:
  - Institute of Geodesy and Cartography
  - Space Research Center



## Visualization of geodatabase with images



## Crop classification results - 2021



## Benefits of capacity-building-driven innovations

- Burden reduction
- Reduction of financial and human resources
- Strengthening the collaboration with local government administration and other institutions
- Using new technologies in processing with data (machine learning, artificial intelligence)
- Developing or improving statistical products - in response to user needs
- Increasing availability and usefulness of data

## Support fulfilling the SDGs framework

### Transfer trust and competencies to capacity building partnership

- Development cooperation projects implemented within the national Multiannual Development Cooperation Programme (2021-2030) where statistics plays a crucial role in fulfilling SDGs framework
- Engagement of our experts in different types of activities within international projects and programmes
- Member of an international consortium supporting development of statistical systems of partner countries and their institutional capacity

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STATISTICS  
DENMARK

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Statistics Norway

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Instituto Nacional de Estadística

Statistics Finland

African  
Union

Insee  
Measuring, understanding



Statistics Poland

Social Statistics in Africa (SOCSTAT)  
Pan-African Statistics Programme II  
Developing social statistics in African national  
statistical offices. Contract no. 2012-0314



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### New perspectives on capacity building



- A capability defined as the **“ability that an organisation, person, or system possesses - capabilities typically require a combination of organisation, people, processes, and technology to achieve”**

„UNECE Statistical capacity development strategy” – CES, June 2018

- Increased emphasis on enhancing management and organisational capacity
- Include strategic topics such as: change and risk management, developing effective partnership, capability and resource planning
- Main barriers to development are not technological - more often linked to organisation and management culture
- Training technical experts do not have the full impact if the organisation/management cultures will not be an advocate for development and change

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## Strategic questions on new capacity building perspectives within new statistical landscape

- Could we strengthen more „experimental” activities under ISI umbrella bearing in mind diversity of its members/various data ecosystems and how could we focus more on efficiency and effectiveness to facilitate our tasks and develop skills/competencies/role?
- How different, extended perception of value of our products (from the users' point of view) may impact our activities?
- Could we somehow reform - as a global ISI network - the attitude to strengthen development of partner countries capacity building – less technical issues of specific statistics data?
- How to facilitate the capacity building activities and boost domestic and international resources for this purpose?



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<https://stat.gov.pl/en/>

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