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# Testing an UNECE tool for beneficiary countries for capacity building assessment

13th Meeting of the Inter-Agency and Expert Group on Sustainable Development Goals Indicators

**Renata Bielak –** Director of Statistical Products

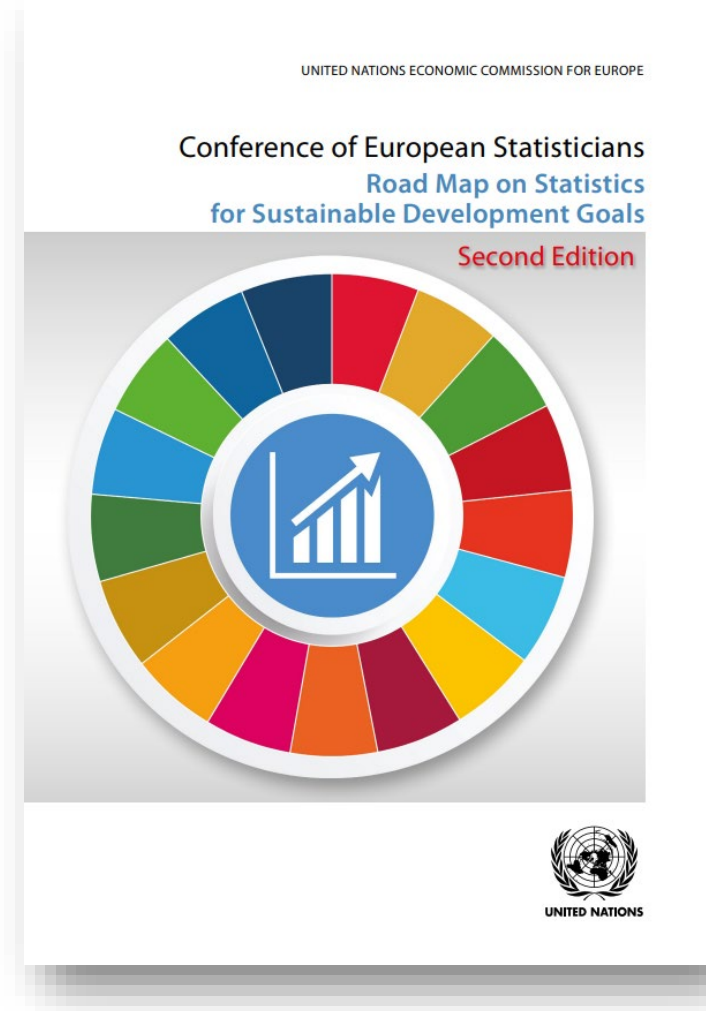**Olga Świerkot-Strużewska -** Director of International Relations and Statistical Cooperation

**Dominika Rogalińska** – Director of Spatial and Environmental Surveys

8-9 November 2022, Bangkok, Thailand

# UNECE SG on statistics for SDGs

- Steering Group established in 2016 (co-chairs: Poland and Sweden)

- Guidance to countries on how to set up a system for providing statistics for SDGs

- Task Teams supporting the SG:

  - Capacity Development

  - Data Transmission

  - Communication

More information:

https://unece.org/statistics/networks-of-experts/ces-steering-group-statistics-sustainable-development-goals

UNITED NATIONS ECONOMIC COMMISSION FOR EUROPE

Conference of European Statisticians
Road Map on Statistics
for Sustainable Development Goals
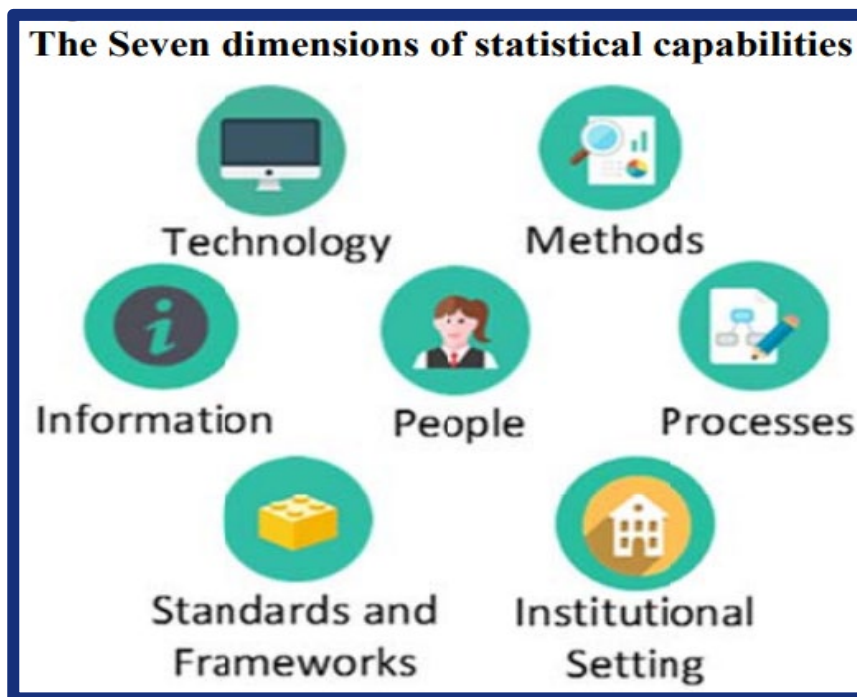Second Edition

UNITED NATIONS

# UNECE SG Task Team on Capacity Development Team

- **Main aim** of the UNECE SG TTCAP : to define the tool that would be the guidance for assessment of statistical capacity development needs, priorities and level of development

- **Capacity Development MATRIX (CD MATRIX) tool:**
  - Piloting phase:
    - Armenia
    - Albania
    - Poland – 2022 (**a reversed perspective**)

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# Statistical capacities in the context of measuring SDGs - UNECE Statistical capacity development strategy

- **The goal:** to support member countries to develop and enhance the capabilities they need to produce official statistics, and to implement international norms and standards. The strategy sets out **3 pillars**: **the principles, priorities and tools** that will form the basis for future UNECE statistical capacity development activities.

- **A new more holistic approach** to capacity development needed: all aspects of the organisation important, not only training workshops.



The Seven dimensions of statistical capabilities

Technology • Methods • Information • People • Processes • Standards and Frameworks • Institutional Setting

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# Statistics Poland experience related to institutional capacity analysis

## 2018

Statistics Poland's international development activities increased

Attempt to assess the HR potential

**The bottom up approach used**

## 2022

Extensive and two-stage consultations

Predefined CD MATRIX structure, adjusted by Statistics Poland

**Top down/bottom up**

## Future

Analysis the results of the pilot study

Recommendations and discussion about the remarks for further works

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# Previous experience - 2018

drafted – to be integrated into the new

Stocktaking excercise - gathering information on over <u>100 experts</u> ready to provide support in the framework of different international development activities
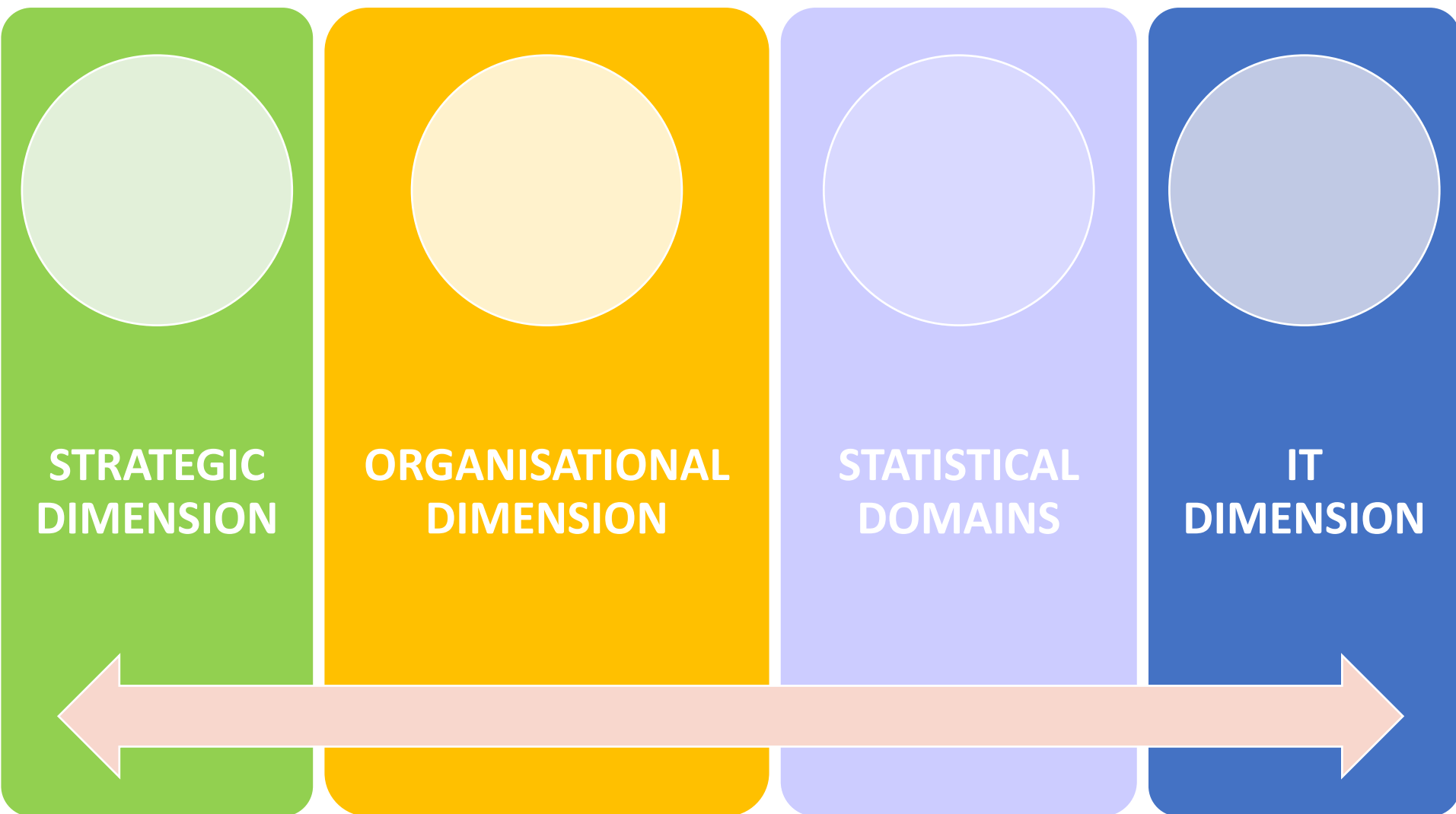
**First base of experts**

The task was time-consuming and had no structured breakdown by specific statistical domains

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# 2022 CD Matrix pilot – what we did

1.  Defining which elements of the CD MATRIX structure **are not adequate** in relation to **the donor role.**

2.  Verifying whether there are **areas** that **overlap/ duplicate.**

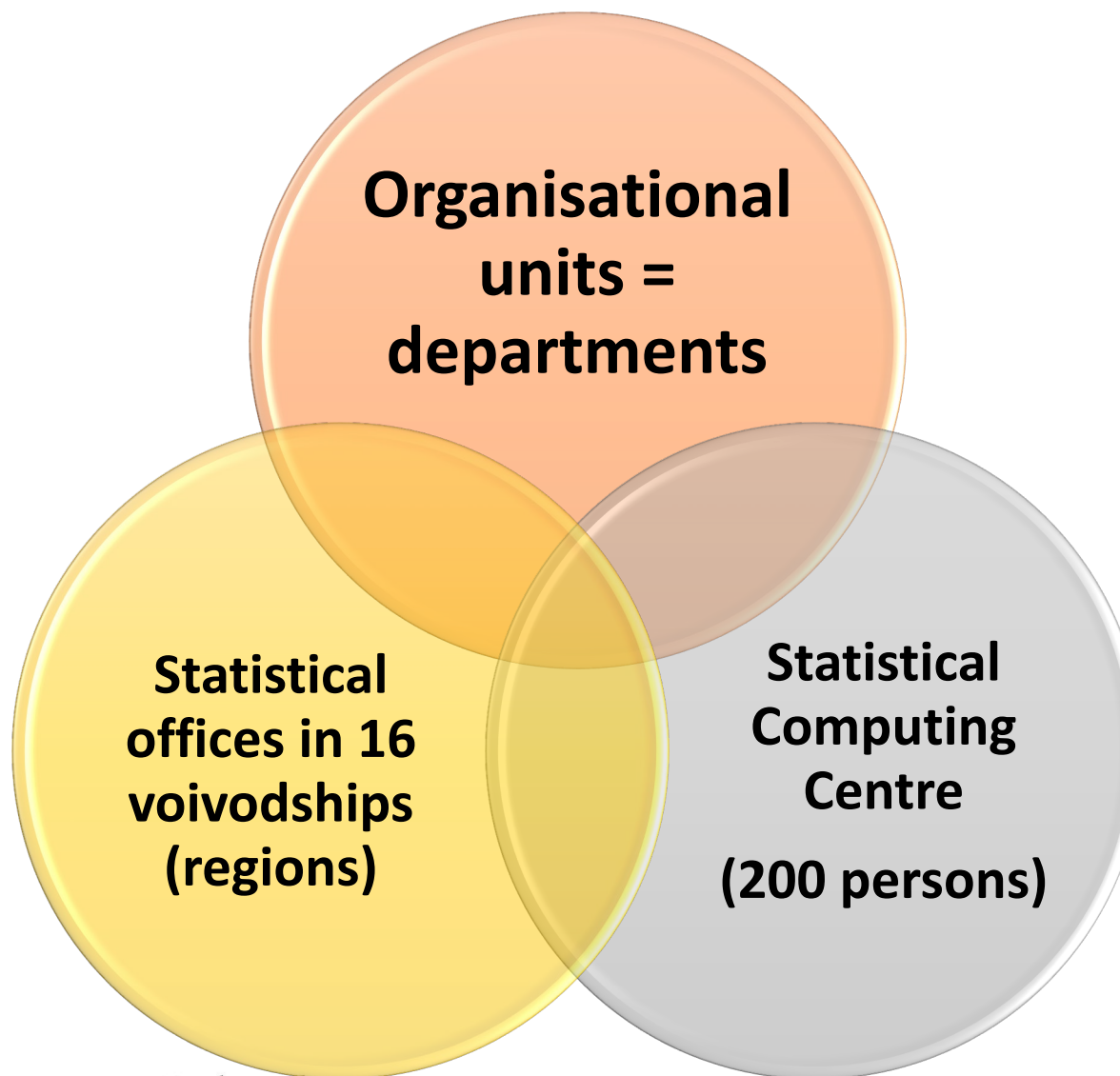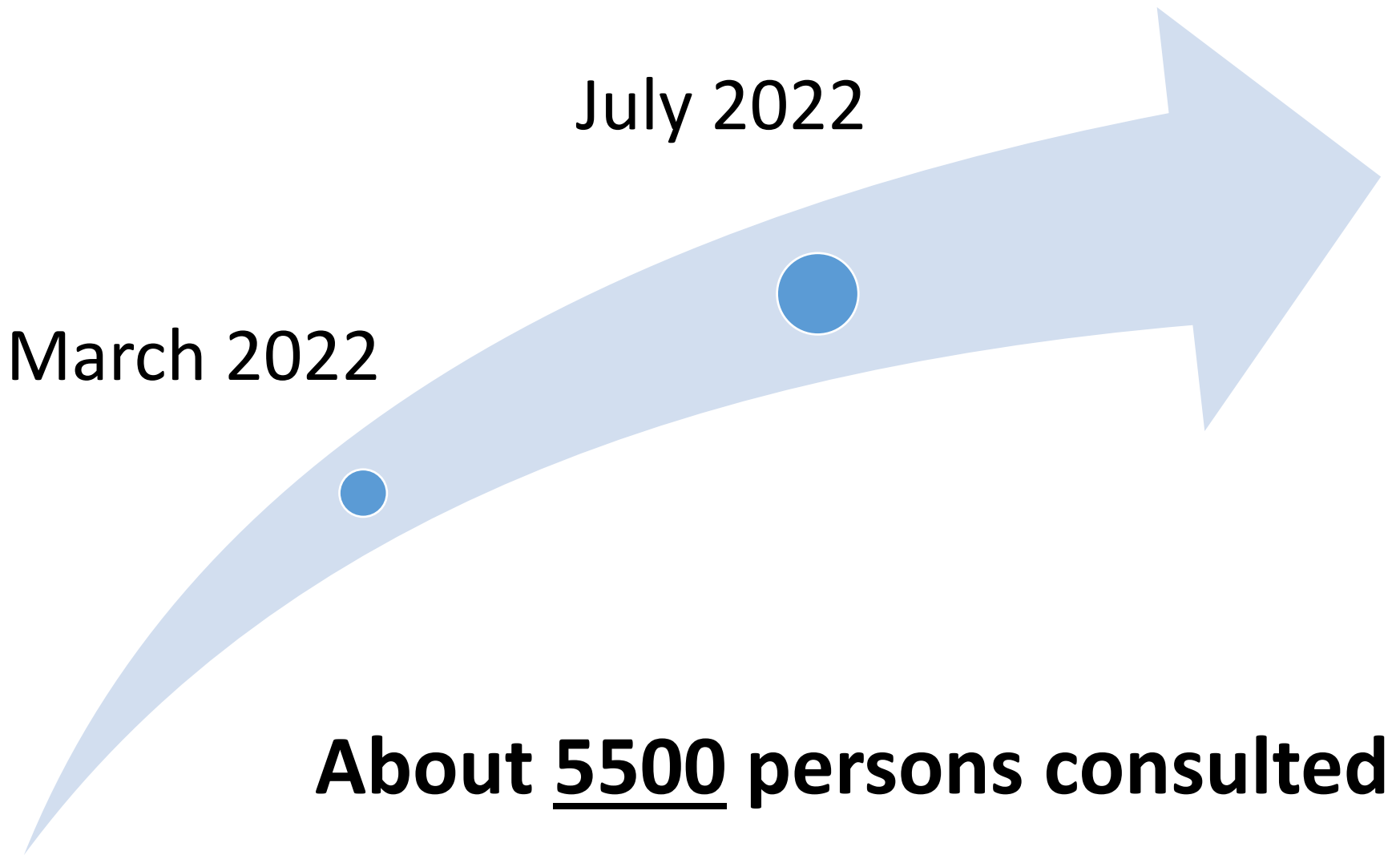3.  Examining whether there are certain **areas not covered** by the CD MATRIX structure.

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# CD MATRIX content

**STRATEGIC DIMENSION**

**ORGANISATIONAL DIMENSION**

**STATISTICAL DOMAINS**

**IT DIMENSION**

| IT TOOLS | Modernization data collection-collection technique | | | | Accessibility of official statistics | | | | | | | Registers | | | Other | | | Regional accounts | Gross national income (GNI) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | CAPI | CAWI | CATI | IT tools for collection administrative/geospatial/big data sources (web services) | Data interoperability | Data warehouse | Dissemination database/data dissemination | Web site and other applications/Web Content Accessibility Guidelines | Intranet | Help desk | | Population register | Statistical business register | Housing and dwelling register | Security and back-up systems | Using open source sofware | | | |
| Are the department's/statistical office's employees capable to support the development of other statistical systems from the point of view of the knowledge of English/other respective language at a communicative level and their substantive knowledge/experiences in | | | | | | | | | | | | | | | | | | | |

| Statistical domains | Demography | Migration | Population census | Employment and unemployment | Earnings and labour costs | Education | Vocational training | Public health | Health and safety at work | household budget survey | Time use survey | Income, social inclusion and living conditions | Quality of life |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Are the department's/statistical office's employees capable to support the development of other statistical systems from the point of view of the knowledge of English/other respective language at a communicative level and their substantive knowledge/experiences in the following areas?* **YES/NO** | | | | | | | | | | | | | |
| Name, surname and position of an expert (of experts) ready for potential cooperation aimed at supporting the development of other statistical system ** | | | | | | | | | | | | | |
| Current office's (NSI's) readiness/capacity/potential to support other countries in the following areas*** **YES/NO** | | | | | | | | | | | | | |

| | Strategic dimension | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Strategic management and cooperation | | | | | | Resources | | Users | | | | Communication & dissemination | | Quality | SDGs | T |
| Strategic planning & management (including risk and change management) | Development and management of partnership | National cooperation and partnership | International cooperation and partnership | International relations and policy making | Projects (national and international) coordination and management | Human resource planning & HR management (including career path, training plans) | Funding planning (including public procurement) | Develop relevant products for users | Profiling the needs of national and international users | Improving accessibility of official statistics | Statistical Literacy | Communication strategy | Dissemination strategy | Strategy for implementation of quality | Development of quality indicators system | SDG strategy and progress measuring management within the country | IT Strategy |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

# Who was tested in the pilot?

**Organisational units = departments**

**Statistical offices in 16 voivodships (regions)**

**Statistical Computing Centre**

**(200 persons)**

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# Consultation process phases

July 2022

March 2022

**About <u>5500</u> persons consulted**

# Pilot results

**☑ 92,6 %**

**☑ 69,4 %**

**☑ 65,5 %**

**☑ 86,7 %**

**STRATEGIC DIMENSION**

**ORGANISATIONAL DIMENSION**

**STATISTICAL DOMAINS**

**IT DIMENSION**

Over <u>170 experts</u> ready to provide support

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# Pilot results – implementation example

## Data Science Academy @Statistics Poland
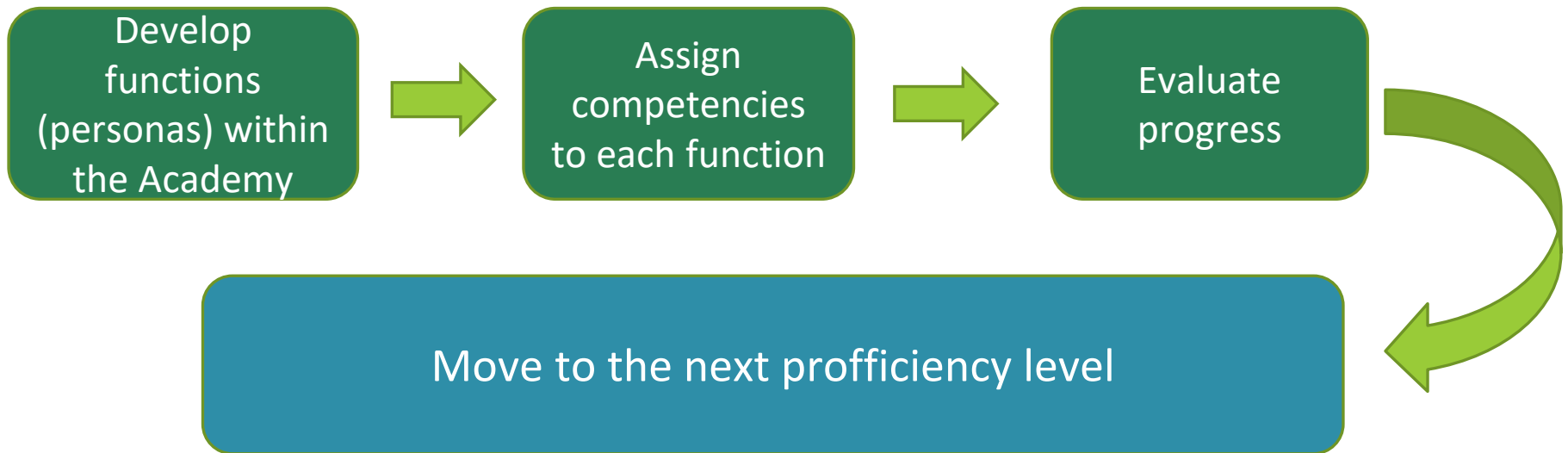
Internal development program

Build a modern organization, able to anticipate and target fast-changing information needs by tapping into a multitude of data sources

Increase the integration of administrative and big data sources in statistical production – experimental & official
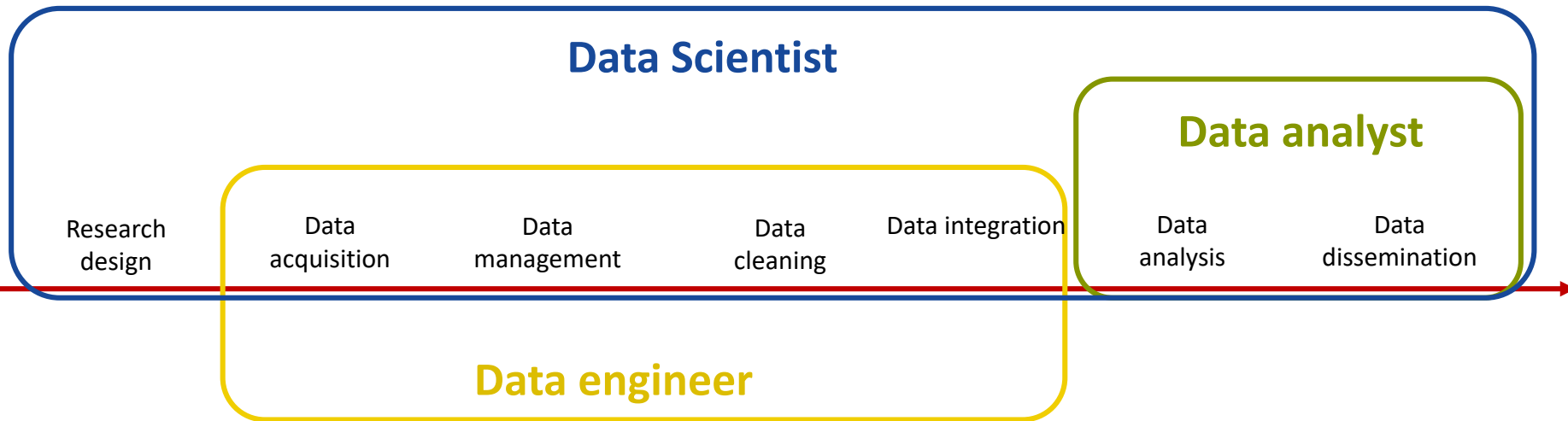
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# Pilot results – implementation example

Data Science Academy @Statistics Poland

Develop functions (personas) within the Academy → Assign competencies to each function → Evaluate progress

Move to the next profficiency level

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# Pilot results – implementation example

Data Science Academy @Statistics Poland



**Data Scientist**

**Data analyst**

| Research design | Data acquisition | Data management | Data cleaning | Data integration | Data analysis | Data dissemination |

**Data engineer**

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# Our findings/recommendations

1. **The need to digitize the proccess –** create an interactive, to be used for many purposes

2. **The tool content**

- The structure slightly different depending on the perspective
- Further adjustments of the content needed (pooling the columns, missing elements)
- Need to be universalise the tool, to make it adequate for other purposes

3. **Usefulness of the tool**

- High - from the institution's management point of view (e.g. assessing the current state of HR potential)
- Potential to enhance better pairing of the needs with capacity possibilities of the partner countries
- Towards strong institutions – incentives, talent management, enhancing the capacity development in a more holistic way

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16 PEACE, JUSTICE AND STRONG INSTITUTIONS

17 PARTNERSHIPS FOR THE GOALS

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# Thank you ☺

**Renata Bielak**

**Olga Świerkot-Strużewska**

**Dominika Rogalińska**

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