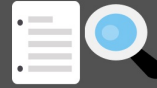# Data Revolution Ecosystem Mapping
METHODOLOGY

Desk review, Moldova's data ecosystem model description

Identifying stakeholders involved and data communities

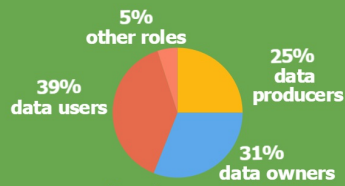Map of SDG indicators available in the NSS of Moldova

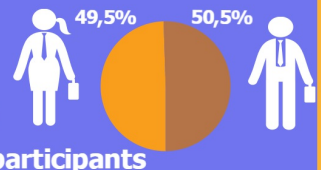National Report "Data Revolution Ecosystem Mapping"
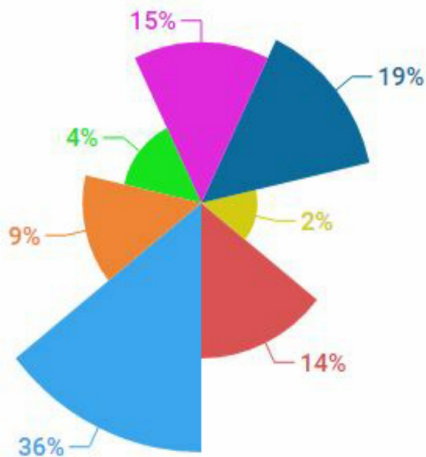
Questionnaire on data revolution

118 respondents

- 5% other roles
- 25% data producers
- 39% data users
- 31% data owners

5 workshops with data communities

188 participants

- 49,5%
- 50,5%

Respondents per type of organisation

- 15%
- 19%
- 4%
- 2%
- 9%
- 14%
- 36%

Legend:
- Central Public Authorities
- Local Public Authorities
- Civil Society Organisations
- Academia
- Business
- Development partners
- Other

Participants per type of organisation

- 20%
- 11%
- 6%
- 1%
- 4%
- 6%
- 52%

Legend:
- Central Public Authorities
- Local Public Authorities
- Civil Society Organisations
- Academia
- Business
- Development partners
- Mass-media

Respondents' distribution per positions

- Data analysts 6%
- IT personnel 19%
- Other roles related to data 28%
- Decision-making positions 47%
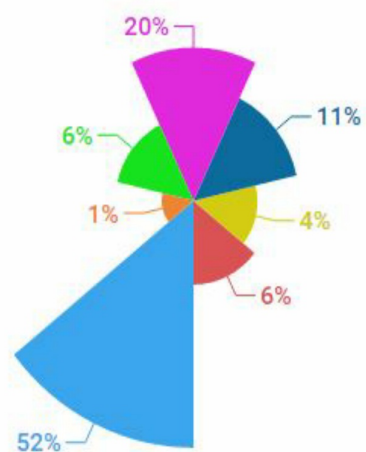
Participants' distribution per positions
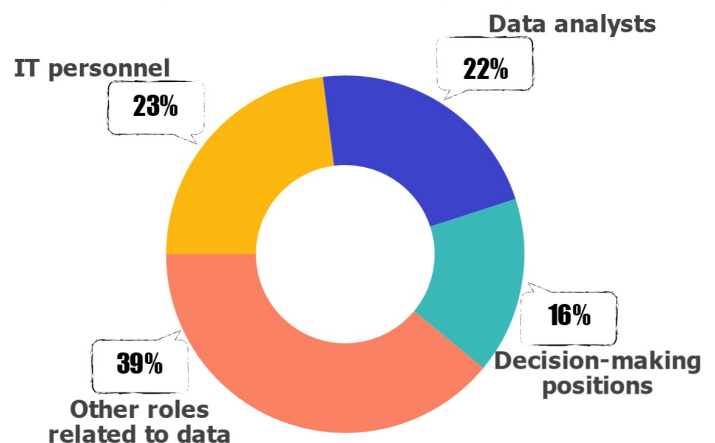
- Data analysts 22%
- IT personnel 23%
- Decision-making positions 16%
- Other roles related to data 39%

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SDG Indicators for Moldova

Availability and relevance

230 → **211**

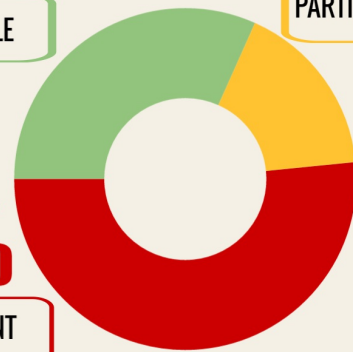Global SDG indicators

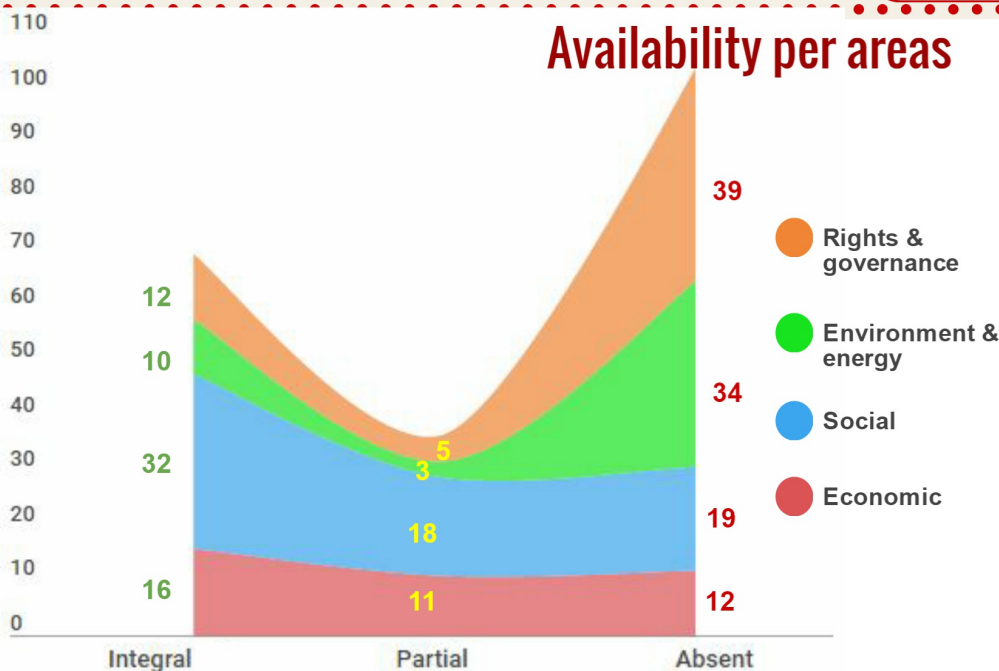SDG indicators relevant for Moldova

33% FULLY AVAILABLE

17% PARTIALLY AVAILABLE

50% ABSENT

Availability per areas

- Rights & governance
- Environment & energy
- Social
- Economic

	Integral	Partial	Absent
Rights & governance	12	5	39
Environment & energy	10	3	34
Social	32	18	19
Economic	16	11	12

Areas where most indicators are ABSENT

Environment & energy

Rights & governance

Leader organisations per areas

	Social	Economic	Environment & energy	Rights & governance
Producer	National Bureau of Statistics / National Health Management Center	National Bureau of Statistics / Ministry of Finance	National Bureau of Statistics / Ministry of Envronment	Ministry of Economy / National Bureau of Statistics
Owner	National Bureau of Statistics / National Health Management Center	National Bureau of Statistics / National Bank of Moldova	Ministry of Envronment / MoldSilva	Ministry of Finance / National Bureau of Statistics
Monitor	Ministry of Health / Ministry of Labour, Social Protection and Family	Ministry of Economy / Ministry of Labour, Social Protection and Family	Ministry of Envronment / Ministry of Economy	State Chancellery / Ministry of Labour, Social Protection and Family

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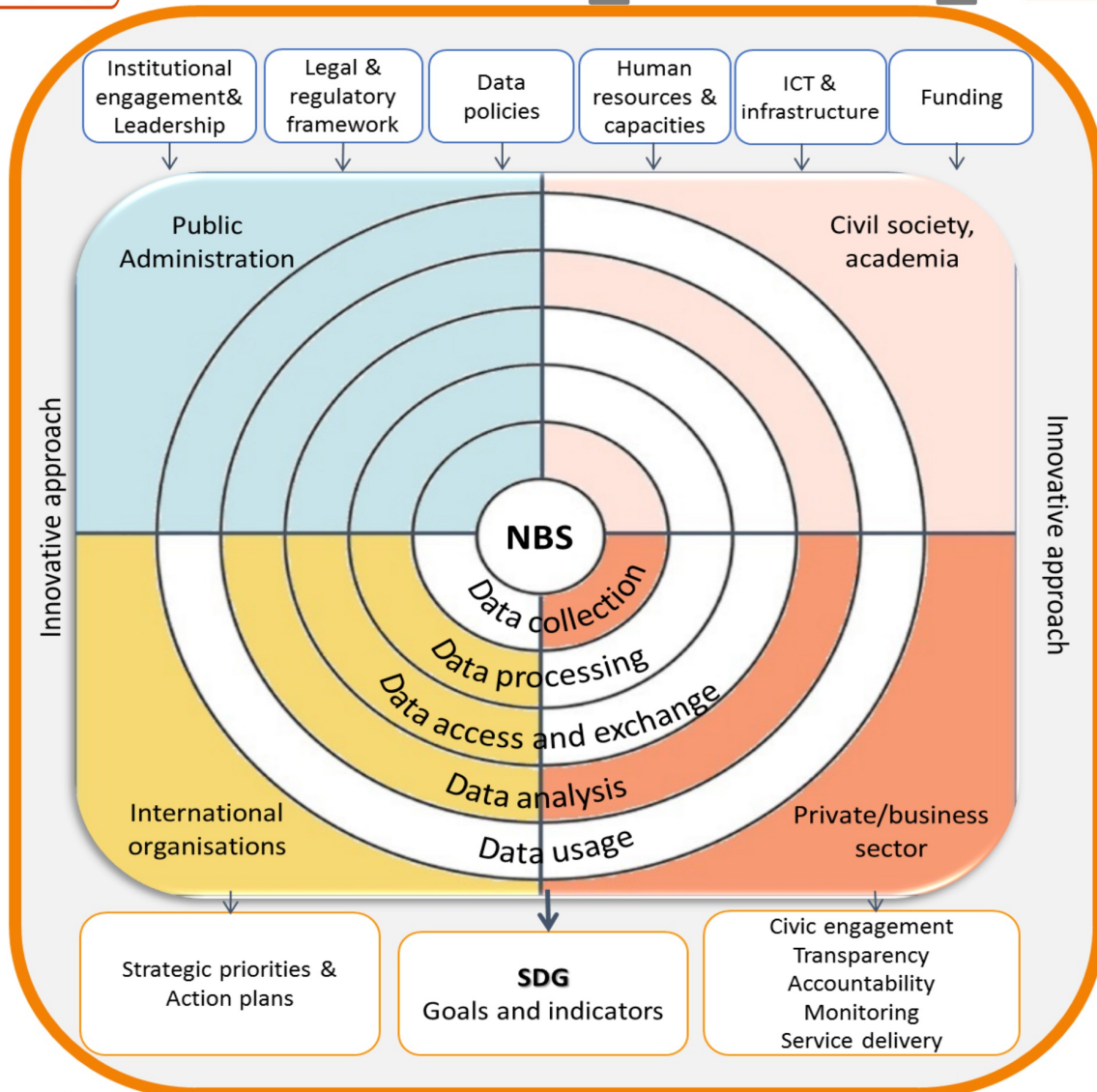UNDP Empowered lives. Resilient nations.

DATA ECOSYSTEM
model
in SDG context

Data revolution is defined as the analysis and decision-making process for the sustainable development of the society, by using the existing data sources, as well as attracting new sources, by involving data communities, through various institutions, with effective enforcement of laws and policy framework and the use of innovative technologies – elements of a data ecosystem.
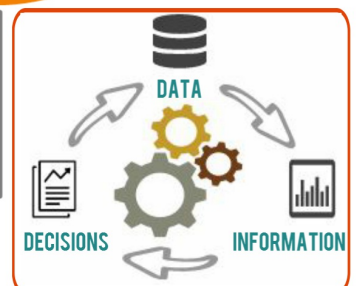
Innovative approach of statistical processes to increase the amount of data and the speed of data production, processing, analysis and dissemination.

Distribution of indicators among producers, owners and monitors **will streamline SDG implementation and reporting**
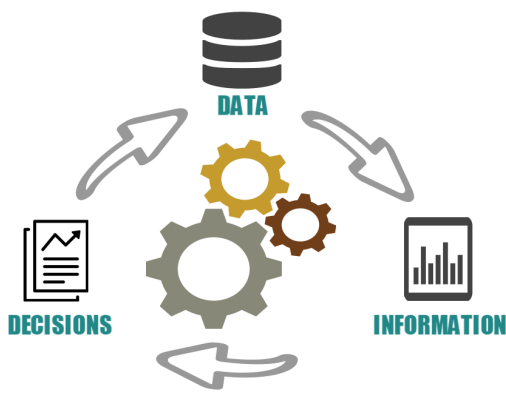
Innovative approach

| Institutional engagement& Leadership | Legal & regulatory framework | Data policies | Human resources & capacities | ICT & infrastructure | Funding |

Public Administration

Civil society, academia

NBS

Data collection

Data processing

Data access and exchange

Data analysis

Data usage

International organisations

Private/business sector

Innovative approach

Strategic priorities & Action plans

SDG Goals and indicators

Civic engagement
Transparency
Accountability
Monitoring
Service delivery

Interaction of data communities identified at the local level (producers, owners, monitors, users) with the statistical processes.

Transformation of data into evidence/tools to support public decisions

DATA

INFORMATION

DECISIONS

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DATA

DECISIONS

INFORMATION

KEY-ELEMENTS
for a
FUNCTIONAL
data ecosystem

Regulatory framework

developed and implemented for efficient data policies according to the mandate assigned to the stakeholders of data ecosystem.

Institutional capacities

built in relation to collecting, processing, and using efficiently and fully the statistical data in the decision-making process.

ICT Infrastructure

used efficiently in the areas related to data, supported by development of sustainable and cost-efficient innovative applications, and by increased interoperability, intra- and inter-institutional cooperation.

National statistical system

enhanced including by applying the quality standards in the statistical process, identifying new producers of official statistics and sharing the skills and competences with them, elimination of redundancy in data production.

Monitoring and evaluation framework

reviewed and adjusted according to the SDG targets, by distributing to and assuming the responsibilities by the involved stakeholders, and integration of statistical data and information in reasoning the development plans.

Procedures and standards

introduced and observed in relation to producing and disseminating data to data producers and holders.

Human and financial resources

allocated and used efficiently between the members of the data ecosystem according to the duties assigned in relation to the SDG targets.

Innovative methods and solutions

implemented within official statistics and other data producers and holders to meet the increased demand of data and streamline the use of the ecosystem's resources.
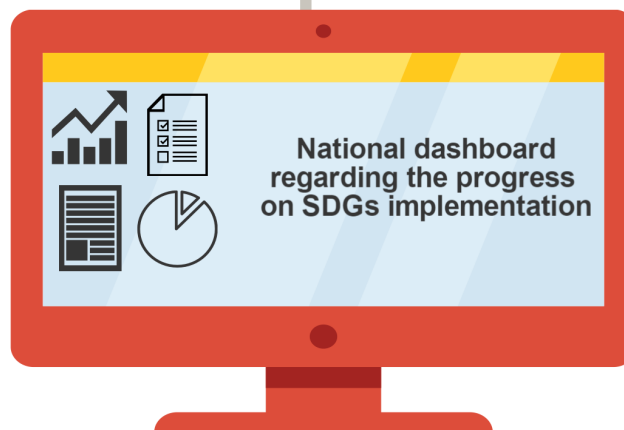
Functional partnerships

set between traditional data communities (ministers, agencies, public authorities) and other stakeholders interested in collecting, processing, and using the data (academia, private sector, etc.)

Education in the area of data

at the level of formal education so as to train specialists in line with the demand on the labor market, with competences relevant for statistical processes.

National dashboard regarding the progress on SDGs implementation

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