



DATA FOR NOW



United Nations

Department of Economic and Social Affairs
Statistics



THE WORLD BANK
IBRD • IDA | WORLD BANK GROUP
Development Economics • Data



Global Partnership
for Sustainable
Development Data



SUSTAINABLE DEVELOPMENT
SOLUTIONS NETWORK

The Data for Now initiative

- Supports countries in the use of **innovative sources, technologies and methods** for the streamlined production and dissemination of better, more timely and disaggregated data for sustainable development.
- Is co-led by the **United Nations Statistics Division**, the **World Bank**, the **Global Partnership for Sustainable Development Data**, and the **Sustainable Development Solutions Network**
- Bangladesh, Nepal, Mongolia, Paraguay, Colombia, Ghana, Rwanda and Senegal joined the initiative in **September 2019**
- Inception workshop hosted by the National Institute of Statistics of Rwanda, in Kigali, Rwanda, on 13-14 **November 2019**

Main project deliverable

Demonstrated capacity to produce high-quality, timely and disaggregated data on key areas related to specific SDGs ready to be used to inform action for the implementation of the 2030 Agenda for Sustainable Development.



Approach

- Emphasis on **(1) country ownership, (2) sustainability, and (3) scalability**
- Close coordination with UN country teams and other development partners
- Building on previous and ongoing statistical capacity building interventions
- Maximization of online- and remote delivery modes.
- Preference for data innovations that combine both traditional and non-traditional data sources, methods and technologies
- Drawing from authoritative datasets maintained by various government agencies or organizations



Main project activities in participating countries

- Refine data production objectives (in close consultation with key users)
- Establish a clearinghouse of curated source datasets that are relevant to produce targeted small-area and nowcasting estimates
- Develop a portfolio of recommended estimation methods, workflows and algorithms
- Assess quality and suitability of data inputs
- Develop in-country skills and capabilities
- Analyze and visualize of main estimation outputs
- Communicate and disseminate project results



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DATA FOR THE GOALS



DATA FOR NOW



Progress and next steps in Colombia

Data4Now



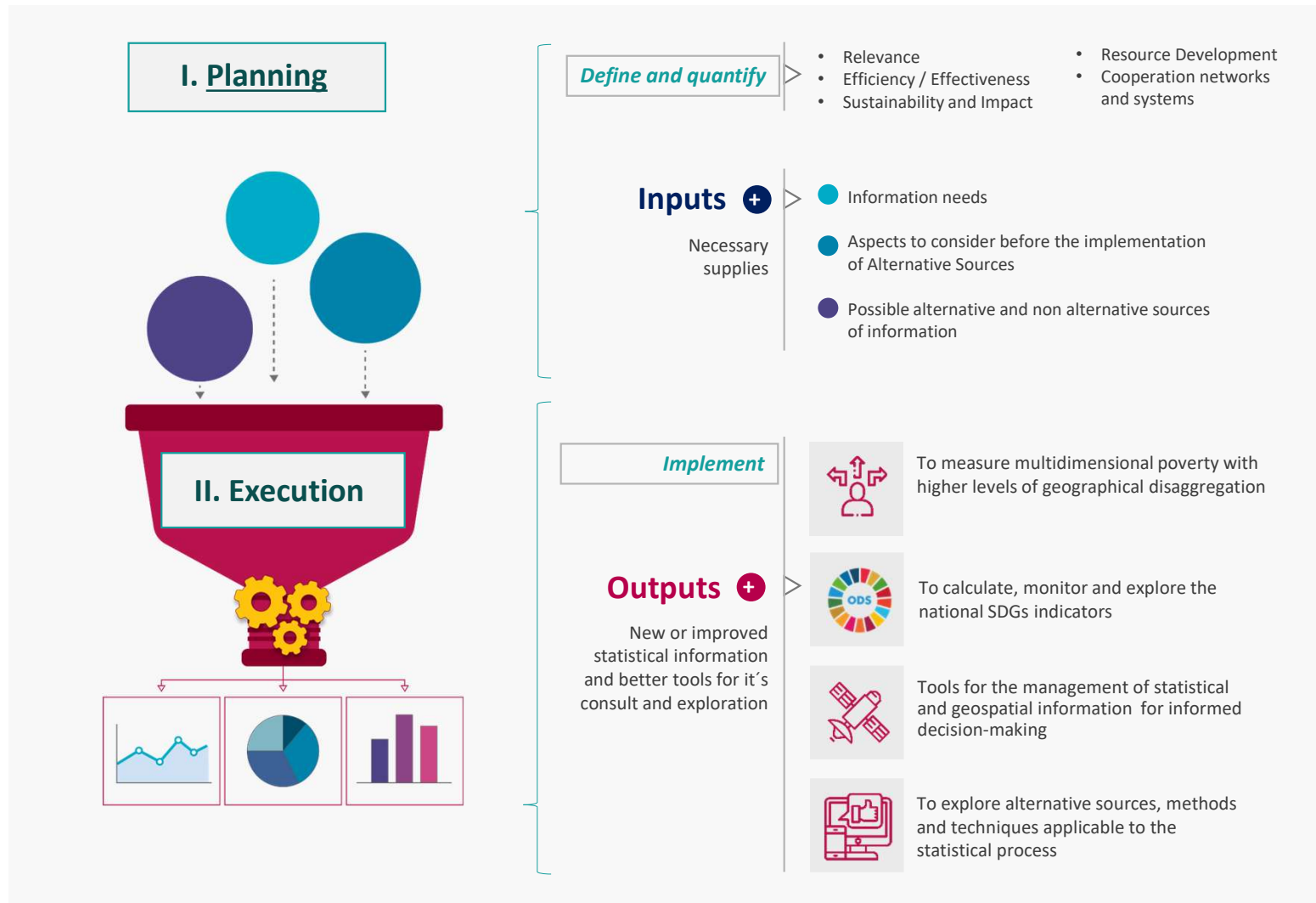
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DANE
INFORMACIÓN PARA TODOS

Project planning and implementation

Transformation of data (*alternative and non-alternative sources*) according to information needs or gaps into **new or improved statistical information, products and tools** (*implementations*), through the application of alternative techniques and methods (*Big Data*) for its implementation.





Possibilities to
strengthen the NSS

Go beyond methodologies.

Documentation process and
develop of virtual material to
allow other countries to reply
the exercises

Expand possibilities on
information sources and
alternative methods

GLOBAL

IAEG-SDGs

- WG of Geospatial Information
- WG of SDMX
- WG on the new Measurement of Development Support

REGIONAL

Statistical coordination group for 2030 Agenda in Latin America and the Caribbean. Sustainable Development Goals – SDGs.

- Discussions about the Regional Framework
- 1st Report on the activities of the IAEG-SDGs to all country members
- Fostering the availability of a synthetic measure of the 2030 Agenda

NATIONAL

Working Group with Agencies of the UN System in Colombia.

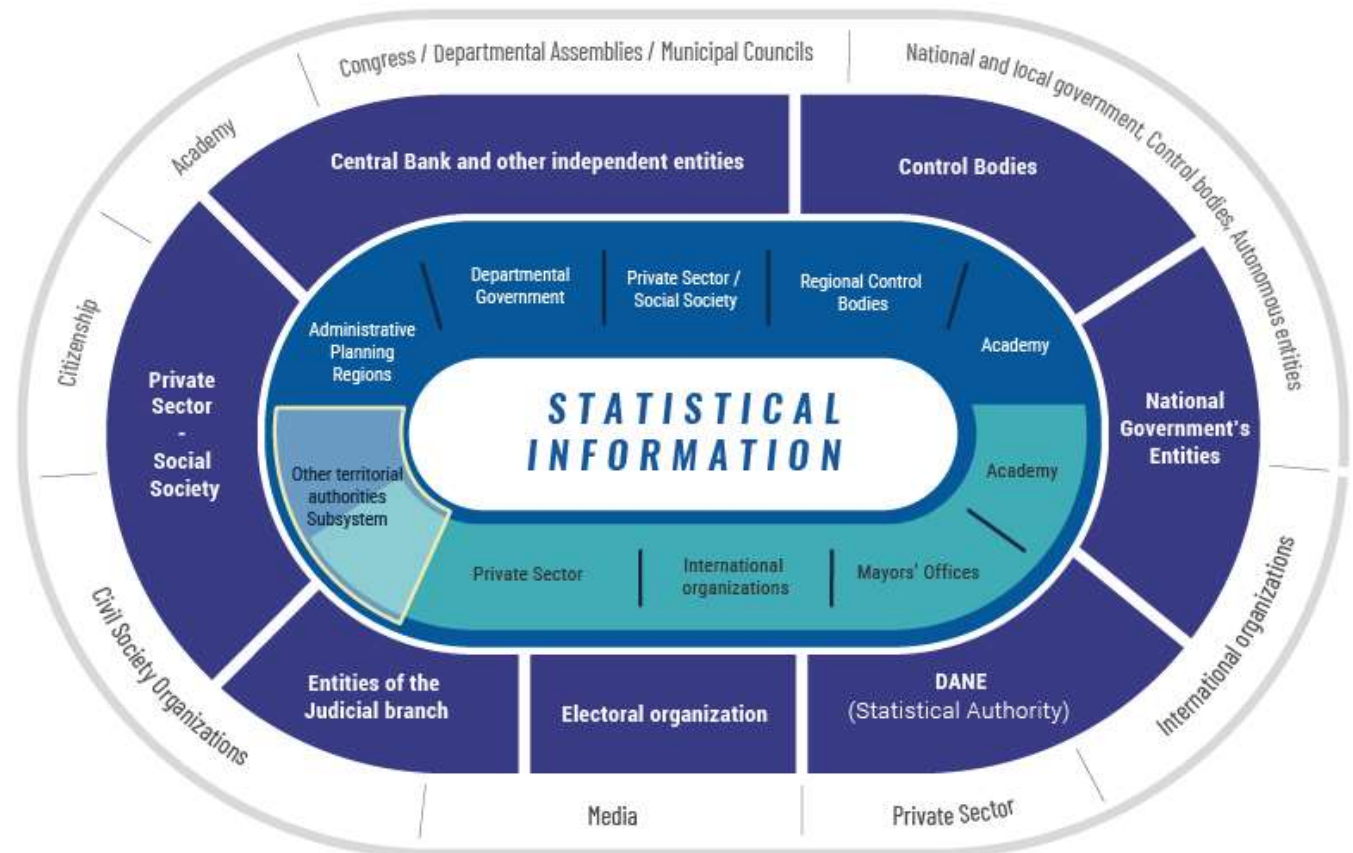
- Work on specific SDG indicators to be produced at the country level.
- Design of a follow up scheme to track advances in statistical production (december of 2019)
- SDGs at subnational levels and strategy communication of 2030 Agenda.

DANE has membership in these instances of the UN System

Colombian Data Ecosystem

- National Statistical System – SEN
- Departmental Subsystem
- Municipal Subsystem
- Data users
- * Other territorial authorities Subsystem

- Provinces
- Metropolitan Areas
- Indigenous territories
- Collective territory of Afro-Colombians
- Associations of municipalities
- PDET territories



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Poverty estimates at municipality level



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Poverty mapping

Integration of Alternative Sources of information in the Statistical Process

First approach we are currently working on:

Currently DANE

Measures:

- MPI statistics at the department-level using household surveys (annually)
- MPI statistics at the municipality-level using census data (every 10 years)

Goal:

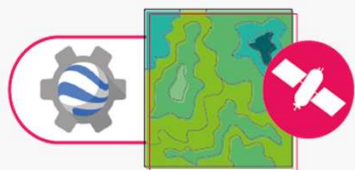
- Measure MPI statistics at the municipality-level every year

Sources:

- Household surveys
- Spatially detailed Census data
- Geospatial covariate datasets

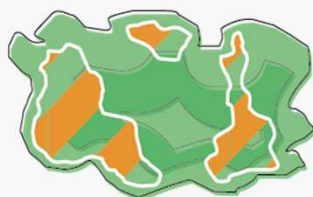


Methodology:



Compile

geospatial covariate datasets (eg. nighttime light consumption, vegetation index, accessibility via road to towns and cities)



Input

- survey clusters displaying the cluster-level MPI headcount ratio



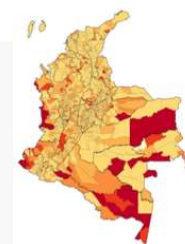
Modelling

- Generalized linear mixed model (model-based geostatistics)
- Bayesian geostatistical model



Estimate

- The population living in poverty at the cluster level



Results and Validation

- Mapping MPI headcount ratio at the micro-scale (cluster-level) and macro-scale (municipality-level)
- Asses models' predictive performance

Poverty mapping

Integration of Alternative Sources of information in the Statistical Process

Second approach – further work:

Currently DANE Measures:

- MPI statistics at the department-level using household surveys (annually)
- MPI statistics at the municipality-level using census data (every 10 years)

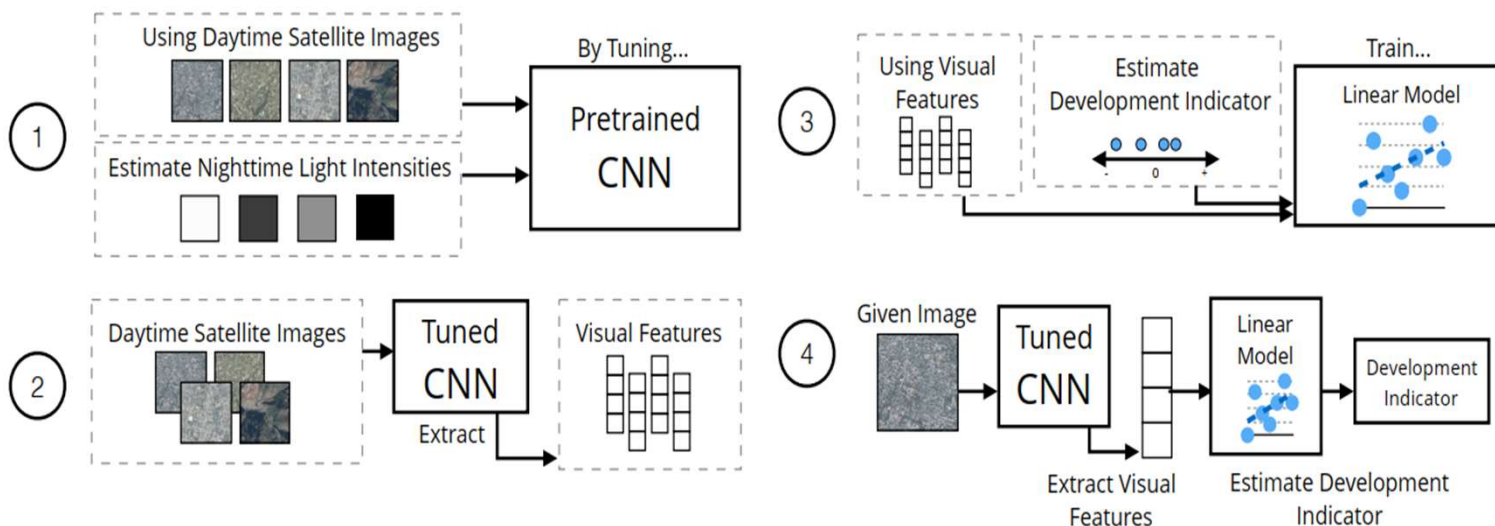
Goal:

- Measure MPI statistics at the municipality-level every year

Sources:

- Household surveys
- Spatially detailed Census data
- Geospatial covariate datasets

Methodology:



Source: Jean et al, 2016.

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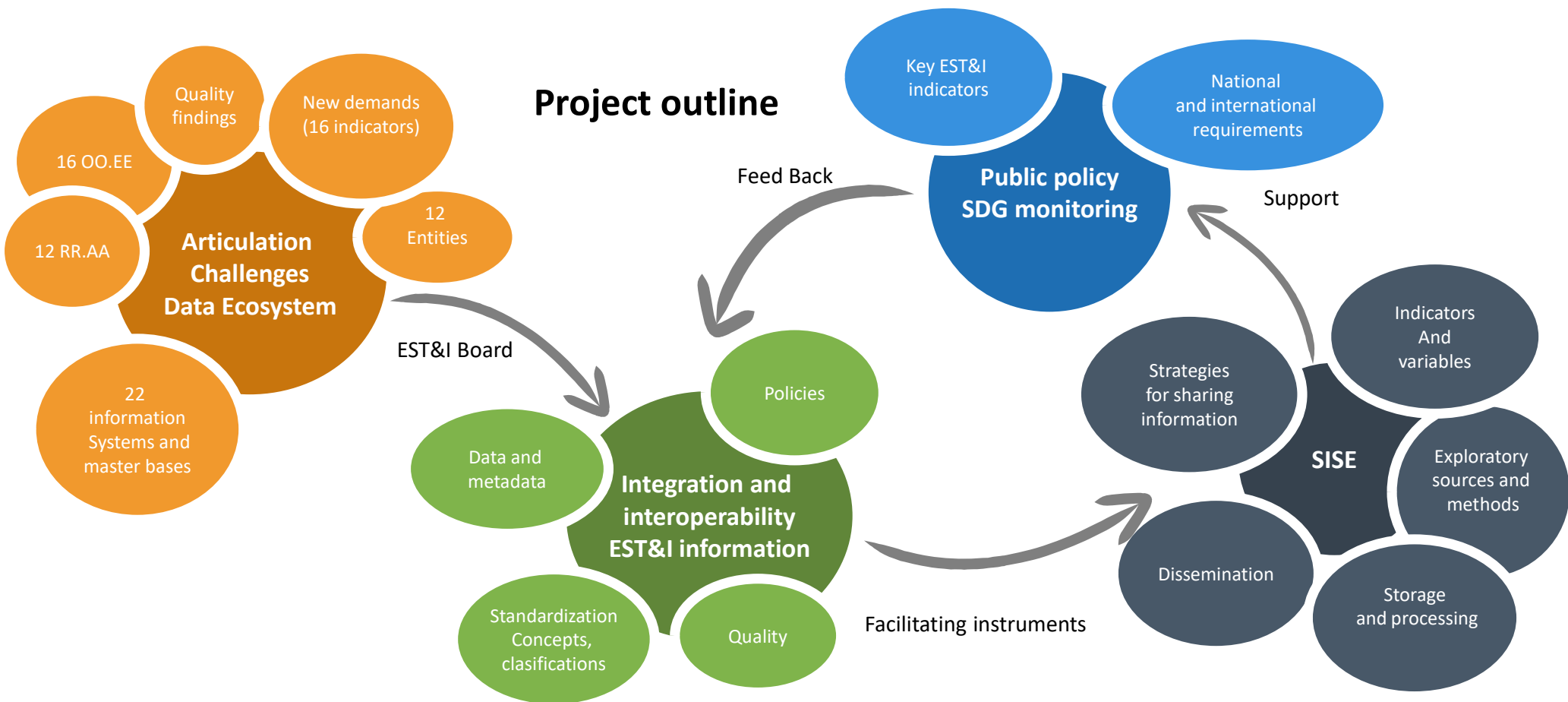
Statistical Information System for Education - SISE

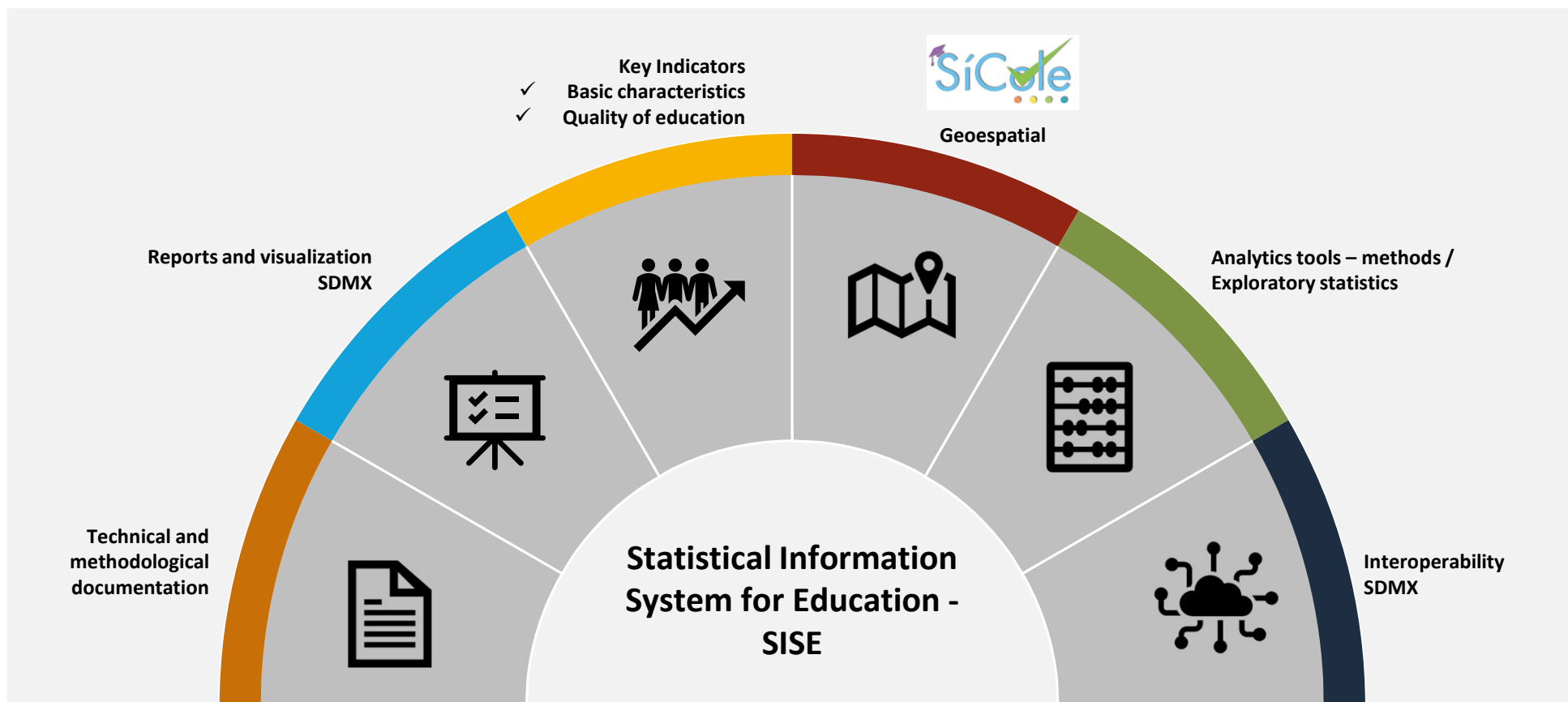


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Objective: Development of the Statistical Information System for Education - SISE







Current state

A workshop has been held with the D4N team focused on the following points:

- Objectives of each thematic area
- Source identification
- Identification of training required

This exercise allowed for a better understanding and knowledge of the country's needs for each topic, as well as a deeper understanding of the functioning of the information system and its relationships

Next steps

- Specific details of each identified source
- Specific details of the training and strengthening required
- Articulated work with consultants

Development of the project through the collaborative and online tool Mural

