

What is CD4.0?

CD4.0 is the process through which a country's national statistical system, its organisations and individuals obtain, strengthen and maintain their abilities to collect, produce, analyse and disseminate high quality data to meet users' needs.

The Capacity Development 4.0 (CD4.0) approach calls for fundamental reforms in development co-operation, both in substance and process, in support of statistical capacity. Drawing from lessons learned from the past and responding to the expressed priorities of the NSSs across the world, CD4.0 proposes a systematic approach to addressing countries' needs for statistical capacity.

Founded in 1999, the Partnership in Statistics for Development in the 21st Century (PARIS21) promotes the better use and production of statistics throughout the developing world.

PARIS21 works with a number of partners to facilitate statistical capacity development, promote the integration of reliable data in decision making and advocate for donor support to statistics.

PARIS
21! Partnership in statistics
for development
in the 21st century

Why Capacity Development 4.0?

While the spread of technology has allowed some national statistical systems to drastically improve their capacities, many developing countries still struggle to benefit from the dramatic changes in the field of data and statistics. More than 110 countries are still unable to provide an official account of the number of births and causes of death of their population. Without such basic information, planning for services such as health and education becomes virtually impossible.

For many years, partners focused on the production side of statistics – providing financial and technical support for census and household surveys. However, more needs to be done to encourage data use for policy making.

Several factors affect a country's ability to succeed in benefiting from the new data ecosystem. To operate effectively and efficiently, the national statistical system needs to have the authority, legitimacy and capacity to produce statistics and engage with policy makers and the public at large.

Current Resources

PARIS21
Discussion Paper 9
Realising the Data Revolution for
Sustainable Development: Towards
Capacity Development 4.0

PARIS21
Discussion Paper 11
Measuring Statistical Capacity
Development: A review of current
practices and ideas for the future

Upcoming Resources

Capacity Development 4.0 Roadmap
Will provide practical guidance,
especially on tools and methods,
for implementing a CD4.0 approach.

Statistical Capacity Development
Outlook – Flagship Report
Will present a comprehensive overview
and analysis of trends in statistical
capacity.

Statistical Capacity Monitor – Online
Platform
Will showcase interactive performance
indicators on statistical capacity.

Capacity Development 4.0

Enabling countries to navigate the
new data ecosystem

For more on CD4.0:
www.paris21.org/capacity-development-40/

Updated capacities for the new data ecosystem

The data ecosystem is evolving, with new actors producing a wealth of data and information on a wider range of areas than ever before. This landscape requires national statistical systems to be closer to users, in order to guide them in interpreting statistics and identifying reliable sources of data.

In the past, statistical capacity programmes have focused on providing technical assistance and resources, without developing system-wide capabilities. Going forward, national statistical systems will need to improve their:¹

Co-ordination

71% of national statistical offices (NSOs) desire better co-ordination with providers of administrative data

Management

67% of national statistical offices want to improve their human resource management systems

Communication

43% of countries wish to increase their communication with users

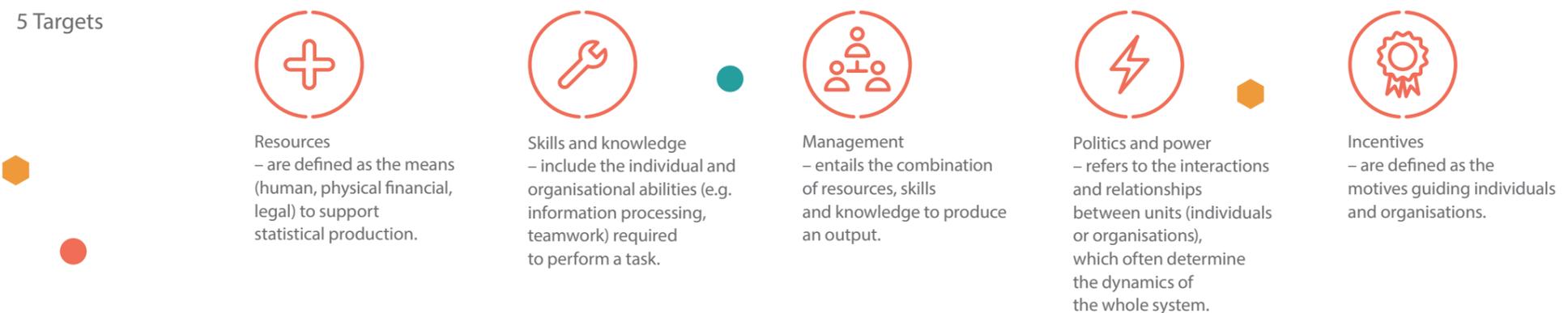
¹ In consultation with the High-level Group for Partnership, Coordination and Capacity-Building for Statistics for the 2030 Agenda for Sustainable Development (HLG-PCCB), PARIS21 developed a survey that asked Heads of NSOs about New Approaches to Capacity Development. The survey aimed to provide a better understanding of the current state of capacity development in NSOs and NSSs and the challenges, priorities and plans they have for the short and medium term.

The CD4.0 framework focuses on the capabilities needed by national statistical systems to meet user needs across three levels and five target areas.

3 Levels



5 Targets



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CD4.0 in action



Leadership training

PARIS21 has conducted leadership training workshops since 2015 to improve and strengthen the capabilities within national statistical offices. Participants are encouraged to learn from peers by sharing experiences and challenges in leading and managing statistical operations within the national statistical system.



Data user outreach

Since 2014, PARIS21 has brought together statisticians and journalists with the objective of encouraging data use. These workshops allow statisticians to improve their communication and data storytelling skills, while also improving the statistical literacy of journalists.



Human resource management

In 2017, PARIS21 co-organised a joint human resource management workshop with AFRISTAT and Statistics Canada. This workshop aimed at understanding modalities of human resource management, such as training plans, HR strategies, performance culture and workplace mobility.