

# International Workshop on Science, Technology and Innovation Statistics

Shenzhen, China  
25-27 July 2023

Organized jointly by NBS China and UNSD

## Concept Note

### Background

The 2030 Agenda for Sustainable Development positions science, technology, and innovation (STI) as one of seven key action areas for achieving the Sustainable Development Goals (SDGs)<sup>1</sup>. Science, Technology, and Innovation (STI) are primary productive forces and drivers of growth. Consequently, statistics on the advances and use of science, technology, and innovation (STI) is of great importance for evidence-based policymaking, monitoring of STI for achieving the 2030 Agenda for Sustainable Development. There are many linkages between STI and international trade, which is recognized as an engine for inclusive economic growth and poverty reduction, as well as an important means to achieve the Sustainable Development Goals (SDGs). Example linkages includes the impact technologies and innovation such as digitalization, globalization, science and technologies of climate change, manufacturing including additive manufacturing processes, agriculture, distributional services, among others) on international trade.<sup>2</sup>

Thus, in recent years, these factors have put forward higher requirements for the continuous and in-depth reform and development of STI statistics; The revision of international norms also brings a new challenge to the top-level design and monitoring and evaluation method of STI statistics. There is a need to constantly discuss new methodologies, practices, and progress in STI statistics and improve STI surveys and analyses. The main goal of the Workshop is to assist the participants to gain better understanding of the concepts and definitions set out in the “Frascati Manual 2015”; and share best country practices.<sup>3</sup>

### Objectives of the Workshop

Four main objectives of the Workshop include:

- (a) further advance the understanding of the scope, concepts and definitions set out in the Frascati Manual 2015; measurement issues and compilation methods;
- (b) tracking new concepts, methods, and tools of international STI statistics;
- (c) understanding of the latest theoretical progress and practices of STI surveys;
- (d) sharing Chinese practice and experience of STI statistics;

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<sup>1</sup> [https://sdgs.un.org/sites/default/files/2022-06/ONLINE\\_STI\\_SGDs\\_GUIDELINES\\_EN\\_v3\\_0.pdf](https://sdgs.un.org/sites/default/files/2022-06/ONLINE_STI_SGDs_GUIDELINES_EN_v3_0.pdf)

<sup>2</sup> [https://www.wto.org/english/res\\_e/publications\\_e/wtr18\\_e.htm](https://www.wto.org/english/res_e/publications_e/wtr18_e.htm)

<sup>3</sup> <https://www.oecd.org/innovation/frascati-manual-2015-9789264239012-en.htm>

(e) strengthening participants capacity to compile, analyses STI statistics.

## **Organization**

This Workshop is organized jointly by the NBS China and UNSD, at the request of NBS, to help tackle some issues regarding the production and use of STI Statistics.

The Workshop will include presentations on conceptual and methodological issues, data sources, collection and compilation, country practices, and round-table discussions.

## **Participants**

Primary target beneficiaries of the Workshop include compilers and producers of data and Statistics of International Trade in Goods and Services:

- a) About 13 country representatives;
- b) About 80 local participants, including statisticians of the national and provincial statistical institutions, line ministries, research institutes and universities from China;
- c) About 5 experts from international organizations, including UNSD, UNESCO, OECD, Eurostat and Centre for European Economic Research (ZEW).

## **Logistical arrangements**

All participants will participate in-person. Simultaneous two-way translation of Chinese to English and English to Chinese will be provided.