Korea Statistical Information Institute

Korea Statistical Information Institute is dedicated to:
Delivering high-quality statistical information
services through intelligent information innovation.

Striving for an improved quality of life
for our people, enhanced competitiveness
for our enterprises, and a brighter future for Korea.

Our primary focus is on the development of a unified statistical data portal, referred to as the "One Portal", and a central hub platform through the implementation of intelligent information innovation.

By 2028, our commitment is to complete the project to develop a statistical information platform and One Portal that covers the entire spectrum of statistical data management, including data collection, production, dissemination, analysis and utilization.

Expected Outcome

The Statistical Information Platform and One Portal Development project

01
Mainstreaming statistical decision-making

Improving the quality of life for people through decision-making based on statistical information using the easily accessible One Portal

02
Reliable statistical data for value analysis

Creation of new business opportunities through analysis of economic trends and establishment of management strategies using reliable statistical data

03
Policy decision-making based on statistics

Utilizing administrative(admin.) and private data for policy by establishing links between statistical data that are currently dispersed across various government ministries

04
Utilizing high-quality statistical data

Improving research quality by utilizing timely, high-quality statistical data within an advanced analysis environment

PEOPLE

ENTERPRISE

GOVERNMENTAL AGENCY

RESEARCH INSTITUTION

Statistics Korea (KOSTAT)
Enhancing statistical expertise, productivity, and usability

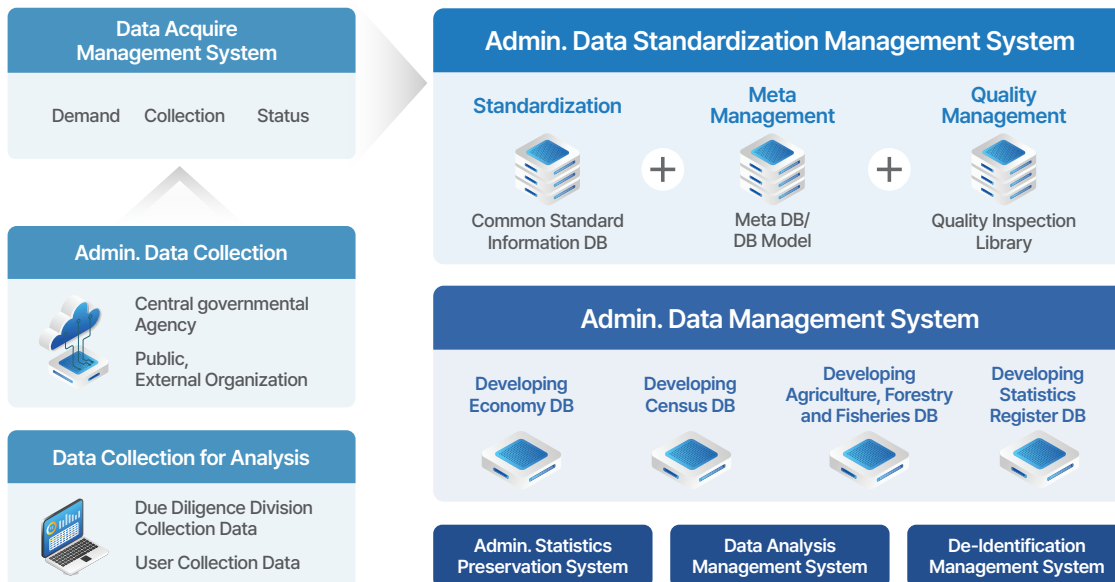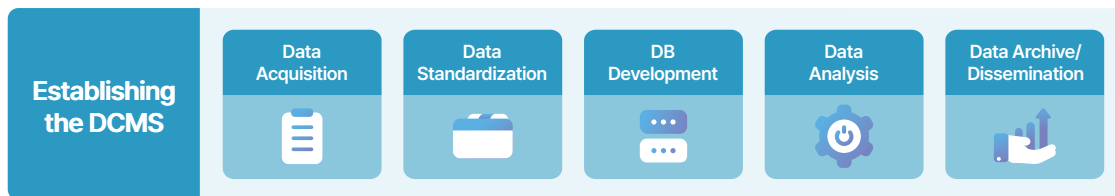**Implementation of a statistical digital platform to realize future values of people, enterprise, and Korea**

Creation of a Data Convergence Management System (DCMS) that serves a dual purpose: supporting evidence-based policymaking within the public sector and fostering innovation and growth within the private sector

Development of the DCMS that integrates and manages statistical data derived from admin. sources to support both scientific policymaking and private enterprise advancement.
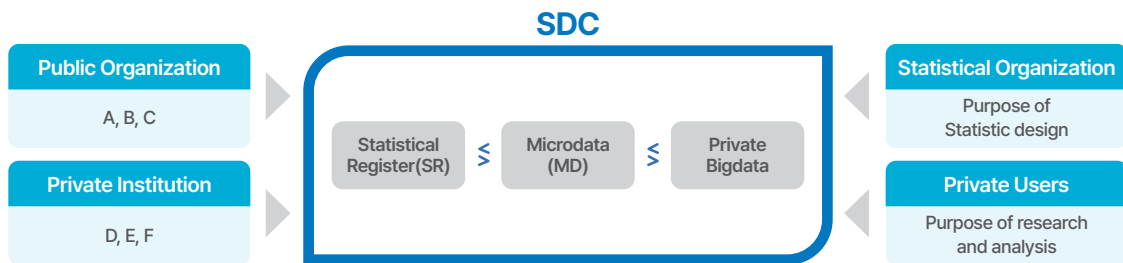
System Configuration by the DCMS

Establishing the DCMS	Data Acquisition	Data Standardization	DB Development	Data Analysis	Data Archive/ Dissemination

Data Acquire Management System

Demand   Collection   Status

Admin. Data Collection

Central governmental Agency

Public, External Organization

Data Collection for Analysis

Due Diligence Division Collection Data

User Collection Data

Admin. Data Standardization Management System

Standardization

Common Standard Information DB

+

Meta Management

Meta DB/ DB Model

+

Quality Management

Quality Inspection Library

Admin. Data Management System

Developing Economy DB

Developing Census DB

Developing Agriculture, Forestry and Fisheries DB

Developing Statistics Register DB

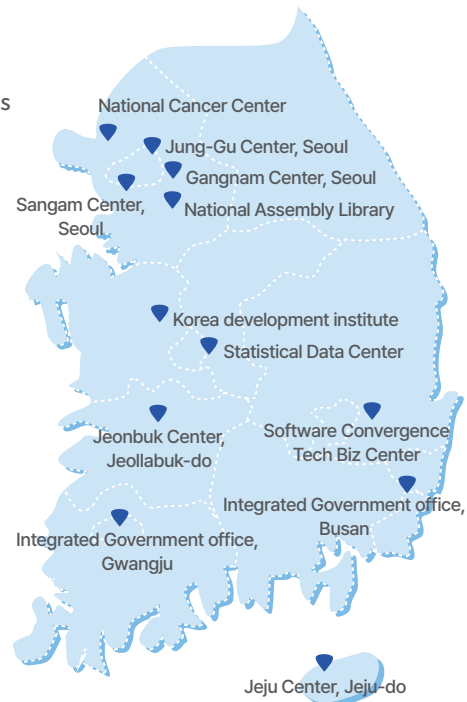| Admin. Statistics Preservation System	Data Analysis Management System	De-Identification Management System

Facilitating the seamless connection, analysis, and utilization of public and private statistical data through the efficient operation of a Statistical Data Center (SDC)

Starting in 2023, to contribute to the realization of a digital platform government by managing an SDC that harmoniously integrates administrative statistical data and large-scale private data within a unified platform, thus fostering innovation and informed decision-making.

SDC

Public Organization	SDC	Statistical Organization
A, B, C	Statistical Register(SR) < Microdata (MD) < Private Bigdata	Purpose of Statistic design
Private Institution		Private Users
D, E, F		Purpose of research and analysis

Analysis platform Service
Offering Statistical Analysis Software & Data Analysis system based on the latest trends

Analysis supporting Service
Expert's Analysis Supporting Service for Novice Users

On-Demend analysis Service
Customized Data Analysis on Requests

Register-based Statistic Service
Register-based Statistics Analysis
Offering Sample Design Data

User Training Service
Data Analysis Training
Annual Data Analysis Competition

National Cancer Center
Jung-Gu Center, Seoul
Gangnam Center, Seoul
Sangam Center, Seoul
National Assembly Library
Korea development institute
Statistical Data Center
Jeonbuk Center, Jeollabuk-do
Software Convergence Tech Biz Center
Integrated Government office, Gwangju
Integrated Government office, Busan
Jeju Center, Jeju-do

Enhancement of statistical capability of partner countries via more active participation in Official Development Assistance (ODA) projects in statistics field

Since 2019, we have been actively involved in numerous ODA projects, making substantial contributions for strengthening statistical human resources, development of statistics quality management system and administrative data management system.

Major Activities

2019 — The Statistical Capacity Building Project for the State Statistical Committee of Azerbaijan

2020 — The Project to Establish Statistical Data Collection System of Lao PDR

2021 — Development Planning for Establishing Administrative Database Management System for the State Statistical Committee of Azerbaijan

2022 — · The Statistical Capacity Building Project for General Statistics Office of Vietnam
· Strengthening the Capacity of the National Administrative Department of Statistics (DANE) of Colombia cooperates with IDB

2023~24 — · Knowledge Sharing Program – The Policy Advisory Project of Albania
· The Statistical Capacity Building Project for General Statistics Office of Vietnam

Establishment of R&D center and enrichment collaboration with specialized companies for continued enhancement of statistical information services

We are committed to continuously enhancing statistical information services by establishing a specialized R&D center, fostering technical partnerships and personnel exchanges with private companies, and organizing a statistical development forum that brings together both domestic and international experts.

Establishment of "KOSII R&D Center" (2024)

A specialized R&D center will be operated to enhance national statistical information.

MOU with "LG CNS" & "Korea Energy Economics Institute"(KEEI) (2023)

Collaboration on statistical data information and on information and human exchange with LG CNS and KEEI.

KOSii → MOU → LG CNS
KEEi
Korea Energy Economics Institute

"The 1st Statistical Information Development Forum (SIDF)" (2023)

SIDF is to be convened annually to share the latest trends and discuss strategies for statistical development.

2023
Statistical Information Development Forum
Statistical Data and AI-Focused Strategy for Statistical Information Platform Development
2023. **9. 12.** (wed) 13:00 ~ 17:10

We facilitate the utilization and production of statistics by operating the MDIS portal and developing admin. Data DB.

We manage and provide MD on an integrated platform to better meet users' needs for statistics. We also manage SR DB to assist statistical data compilation.
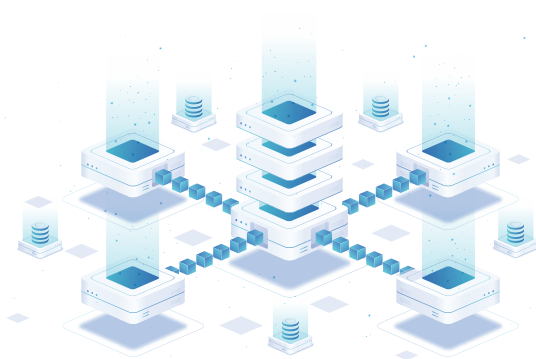
Operation of "Microdata Integrated Service" (MDIS) portal

We operate the MDIS portal, which consolidates MD of KOSTAT and those of other statistical organizations into a single location.

Development of a database for admin. data.

DBs of various admin. data and of SR are established to lower cost of creating highly efficient statistics and reduce the burden of survey responses, data sharing and dissemination.
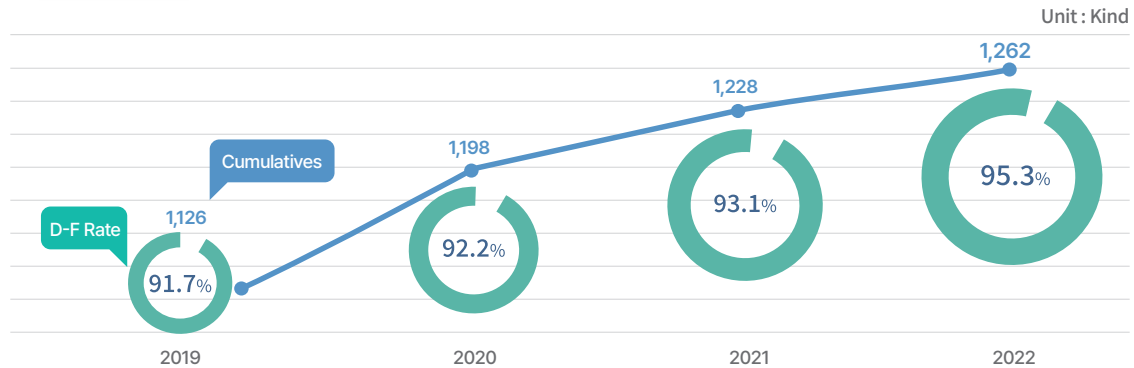
We carry out various statistical information projects, including the operation of a database for the "Korean Statistical Information Service (KOSIS)".

Operation of KOSIS.

In accordance with the national statistics management policy, we collect, analyze, and monitor statistical data from statistical organizations. Through these efforts, we provide accurate, timely, and high-quality KOSIS.

Major performance

(Outsourcing) Data Managing project of the national statistics database('11 ~)
- Expansion of included data set on KOSIS & Organized Management Leading to Improved Performance indicator for D-F(Data Freshness) rate

Unit : Kind

Cumulatives

D-F Rate

	2019	2020	2021	2022
Cumulatives	1,126	1,198	1,228	1,262
D-F Rate	91.7%	92.2%	93.1%	95.3%

* Performance Indicator means annual average Index including all National statistical Organization's Statistics

Other Businesses

- Developing & Operating the Integrated Census System
  - Census of Population And Housing
  - Census of Agriculture, Forestry and Fisheries
  - Census of Economic
- Building the Big Data Center of KOSTAT
- Developing the Advanced e-Nara System
- Developing the Advanced Census System

KOrea Statistical Information Institute

KOSII

MISSON
Contributing to the enhancement of national statistical information and improvement of the usefulness of statistical information

VISION
High-quality national statistical information institute, KOSII

System & Database Management

Research & Consulting

Statistics & Data Analysis

- System Infrastructure
- System Development & Operation
- Establishment & Service of a Database

- Data editing & imputation
- Data analysis

- ISP & PMO Consulting
- Managing the data standardization & Data de-identification Research

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