




الهيئة العامة للإحصاء
General Authority for Statistics

Statistical Products & Clients

(Case of Saudi Arabia to transform the
Statistical Sector)

- 01 Developing New Statistics (Methodology)
- 02 Statistical Clients
- 03 Strategic Program to Develop the Statistical Sector
- 04 Masdar
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Developping New Statistics (Methodology)

Focus on clients is one of three main dimensions in GaStat work



statistical sector | quality | client development

Client-based strategy

Re-setting GaStat strategy to be compatible with its objectives and reflect the clients' tendency

Products and services

Re-evaluating the products and services to be compatible with the client-based strategy

Operations and methodologies

Determining the required operational activities to provide products and services needed by clients

Information technology and infrastructure

Identifying the needs of information technology and infrastructure of the new institution that focuses on clients

Culture, awareness, and capacity building

Approving reforms in culture to be compatible with the objectives that focus on clients, in addition to guaranteeing the presence of qualified capabilities through the life-cycle of human resources

Governance and institutional development

Guaranteeing the presence of an organizational structure and a governance that are necessary to make such shift

Transformation Journey - Key Projects & Status

Stream	Total Projects	Secondary categories	Status
Customer Focused Strategy	8	<ul style="list-style-type: none"> • Develop Gastat Strategy and strategic objectives & articulate the KPIs (Inc: vision, mission, and values) . • Segment customers and categories Gastat products and services users. • Develop communication methods for external stakeholders to engage them and promote the transformation program. 	1- Completed 2- Completed 3- Completed
Products & Services	10	<ul style="list-style-type: none"> • Assess and realign statistical products and services, conduct customer review and identify Essential Statistical Assets. • Develop and establish new statistical products programme based on Gastat customer-based strategy . • Enable Gastat media & statistical awareness department to support and increase the statistical awareness. • Establish statistical products and services development unit(statistical BD). • Develop and establish 2020 census programme. 	1- Completed 2-Execution 3- Completed 4- Completed 5- Execution
Processes & Methodologies	5	<ul style="list-style-type: none"> • Asses and modernize products and services data & information collection processes from both sources (Surveys & Admin) with the World Bank. • Develop statistical work methodologies and processes quality management system, policies and procedures. • Develop new framework to integrate statistical and spatial data. 	1- Execution 2- Completed 3- Completed

Transformation Journey - Key Projects & Status

Stream	Total Projects	Secondary categories	Status
IT & Infrastructure	13	<ul style="list-style-type: none"> • Develop IT strategy and Asses and improve IT security. • Execute NSDB project (MASDAR). • Upgrade Gastat Data center and IT Infrastructure and network. • Build and implement ERP system. • Study and implement as appropriate advanced big data analytics tools. • Develop and upgrade Gastat Main Portal and the Statistical Digital Library. • Develop and Establish Saudi National Statistical portal. 	1- Completed 2- Execution 3- Completed 4- Execution 5- Execution 6- Execution 7- Execution
Culture & capabilities	8	<ul style="list-style-type: none"> • Develop and communicate employees performance management system. • Develop manpower plan. • Develop GaStat leadership and management capabilities. • Develop statistical capabilities in statistical sector. 	1- Completed 2- Completed 3- Completed 4- Completed
Governance & structures	9	<ul style="list-style-type: none"> • Review and improve governance structure and financial and administrative authorities. • Develop and review process for determining the work program, including prioritization and resource allocation. • Develop Customer Service governance and policies and procedures. • Establish a statistical academy to start working in a commercial manner through public-private partnerships (PPP). 	1- Completed 2- Planned 3- Completed 4- Execution

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statistical sector | quality | client development

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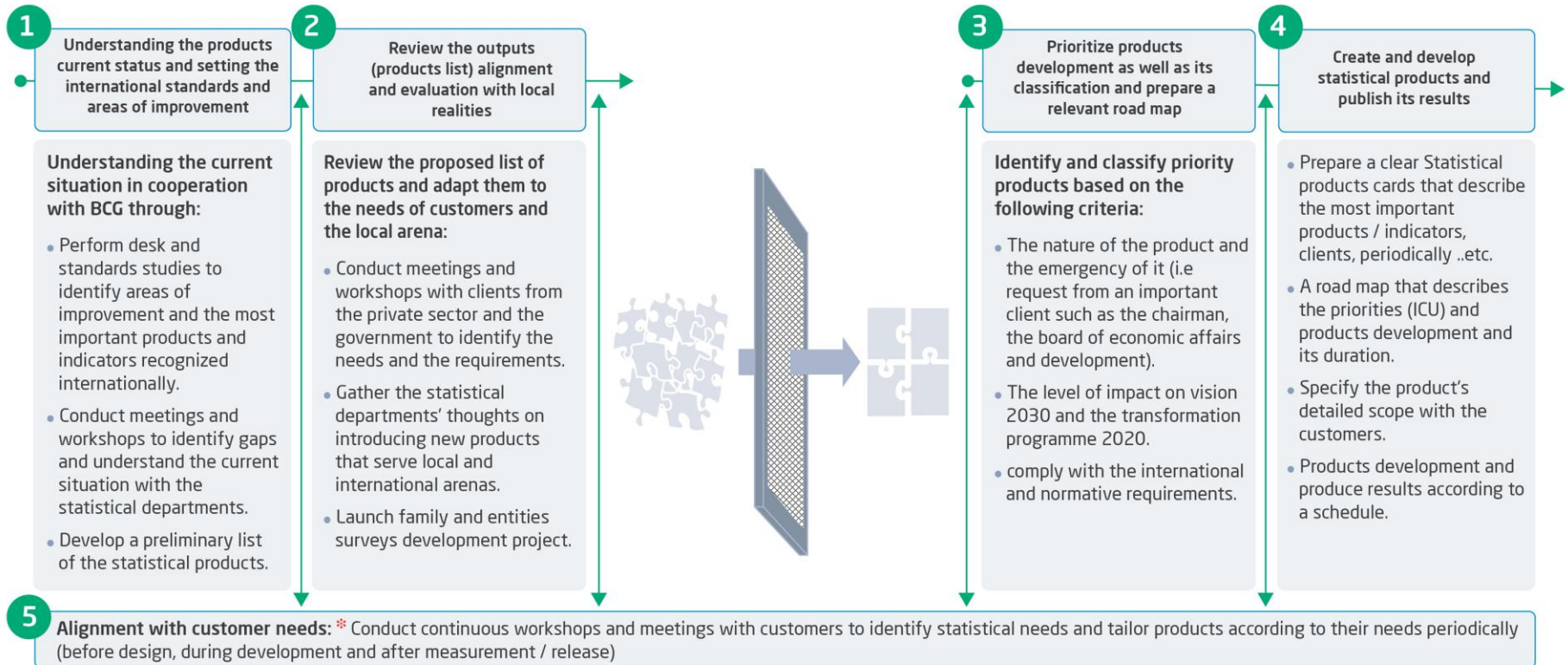
Culture, awareness, and capacity building

Approving reforms in culture to be compatible with the objectives that focus on clients, in addition to guaranteeing the presence of qualified capabilities through the life-cycle of human resources

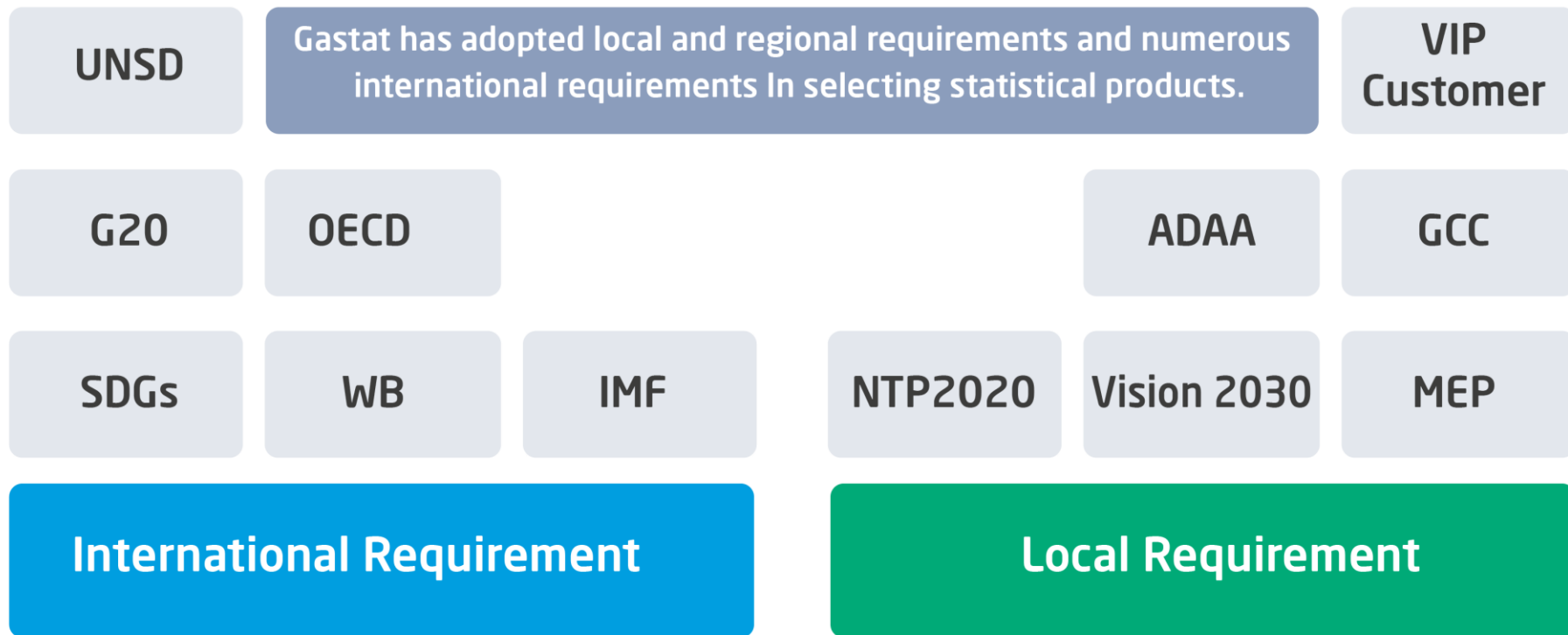
Governance and institutional development

Guaranteeing the presence of an organizational structure and a governance that are necessary to make such shift

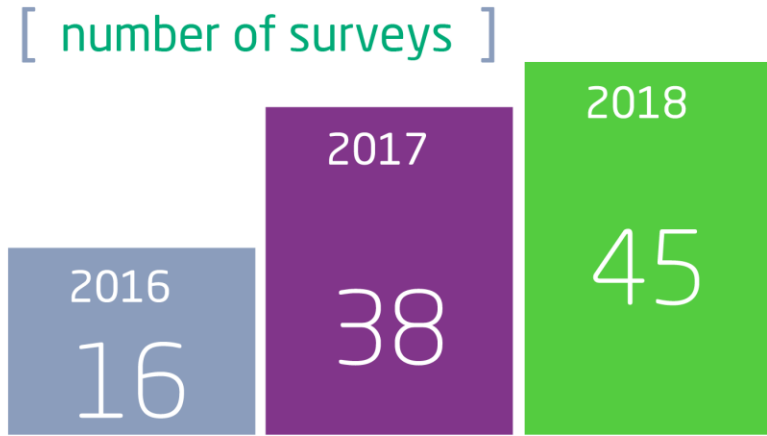
Gastat has adopted a comprehensive methodology for identifying new and priority statistical products, by focusing on collecting the largest number of requirements, proposals and needs from various client categories, as well as defining Vision 2030, transformation programme 2020 and the United Nations Framework for Sustainable Development objectives to support decision makers and policy makers with statistics and indicators that they need, the model below represents the methodology and the work stages :



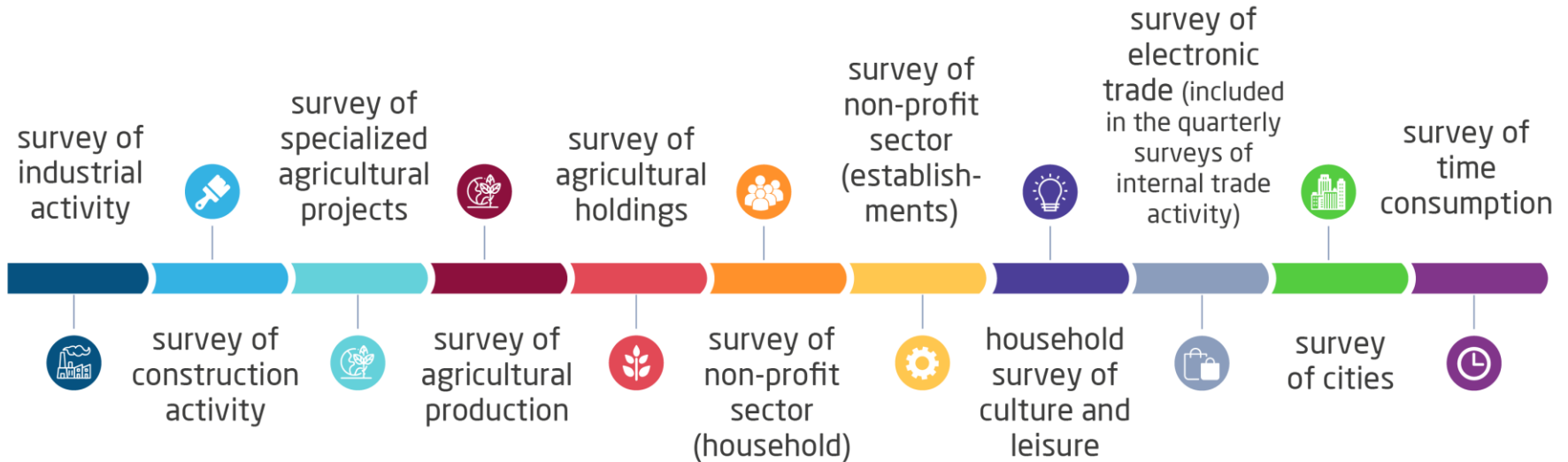
Conducting Meetings, correspondence and workshops in a flexible manner in response to any urgent requirements that come from the Chairman of the Board of Directors and their Excellences: Ministry of Economy and Planning, national initiatives and sister entities, Ministry of Health Ministry of Trade and Investment, this is to collect thoughts and statistical needs whether it is surveys, indicators or statistical studies.



Progress in surveys' implementation (2016 - 2018)



[New surveys 2018]



Business & Economics

1. Trade Survey
2. Industrial Survey
3. Construction Survey
4. Nonprofit Survey (firms)

Population & Social Work

1. Urban survey
2. Food and drug survey
3. Nonprofit survey (household)
4. Time use survey
5. Consumer confidence index
6. Domestic violence statistics
7. Gender gap index
8. Gender development index
9. Gender inequality index
10. The qualitative gap and equivalence index

Knowledge & Natural Resources

1. Survey of specialized agricultural projects
2. Agriculture survey
3. Agriculture holdings survey
4. Culture and entertainment survey
5. Community awareness index of national heritage

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Business & Economics

1. Small and medium enterprises survey
2. Foreign direct investment survey
3. Survey of employment and wages

Population & Social Work

1. Labor force survey
2. Health survey

Knowledge & Natural Resources

1. Family sport activities survey
2. Household energy survey
3. Access and use of information and communications technologies per family and individual

Methodology and Criteria - stages of statistical product preparation



1. Scope		2. Design		3. Assemble		4. collect		5. Comple		6. Validate		7. Disseminate		8. Evaluate	
1.1	Understand and confirm statistical needs	2.1	Design dissemination	3.1	Configure workflows	4.1	Prepare data collection	5.1	Link datasets	6.1	Validate data outputs	7.1	Produce dissemination products	8.1	Gather evaluation inputs
1.2	Scope statistical Solutions	2.2	Determine populations, concepts and variables	3.2	Test and finalize workflows	4.2	Collect and load data	5.2	Classify and code	6.2	Confidentialize outputs	7.2	Release dissemination products and services	8.2	Conduct evaluation
		2.3	Design data collection			4.3	Validate integrity of collected data	5.3	Derive variables	6.3	Explain outputs				
		2.4	Design frame and sample					5.4	Validate compilation inputs	6.4	Clear outputs				
		2.5	Design compilation and validation					5.5	Generate data outputs						
		2.6	Design workflows												
		2.7	Design quality management and evaluation												
9. Manage & Assure Quality (QA)															
9.1 Plan				9.2 Monitor						9.3 Adjust					



Statistical Clients

Division and classification are ways to focus on clients



Clients main categories	Secondary categories
Governmental entities	<ul style="list-style-type: none"> Royal Court, Council of Economic and Development Affairs, Council of Political and Security Affairs, Ministers Cabinet, Shura Council, Decision Support Center, Delivery Unit, National Center for Performance Management. Governmental ministries, authorities, institutions, and funds.
Private sector	<ul style="list-style-type: none"> Saudi large, medium, small, and emerging enterprises. Non-Saudi enterprises that work upon the foreign investment system. Non-Saudi enterprises that intend to invest in Saudi Arabia. National committee of statistics (Saudi Council of Chambers).
International organizations	<ul style="list-style-type: none"> International organization that must be provided with statistical data by Saudi Arabia. Technical, scientific, or statistical international and regional organizations.
Researchers and academics	<ul style="list-style-type: none"> Saudi academic institutions. GCC academic institutions. International academic institutions.
Media	<ul style="list-style-type: none"> International media channels in English language. International media channels in Arabic language. Saudi media channels. Social media channels and platforms. Related official websites.
Individuals	<ul style="list-style-type: none"> Researchers and students.
GaStat representatives	<ul style="list-style-type: none"> Statisticians who are not employed in GaStat but cooperate in implementing the authority's field works.

Based on the use and exchange of data between GaStat and the other entities, clients have been divided into 5 main categories, so that we can focus on them and fulfil their needs of data and information

A public administration has been established to address all clients needs, provide services to them and provide data to help them make decisions

Customer Service and Statistical Innovation

Office of the Vice-President

Relations and client support

Statistical analysis

General reports

Innovation and development

International cooperation

Statistics academy



Meeting the requirements and the needs of clients

Continuous monitoring of decision-making and policy-making needs, and performance evaluation of statistical data and information in and outside the Kingdom (demand side).

Identifying met and unmet needs.

Working to fill the gaps.

Strengthening strategic partnerships with the statistical sector components

Building and enhancing strategic partnership with the statistical sector components.

Fulfilling the Authority's obligations, providing appropriate support and solutions and strengthening communication channels.

Policies and governance of communication with clients according to specific rules and procedures.

Maintaining a high level of client's satisfaction

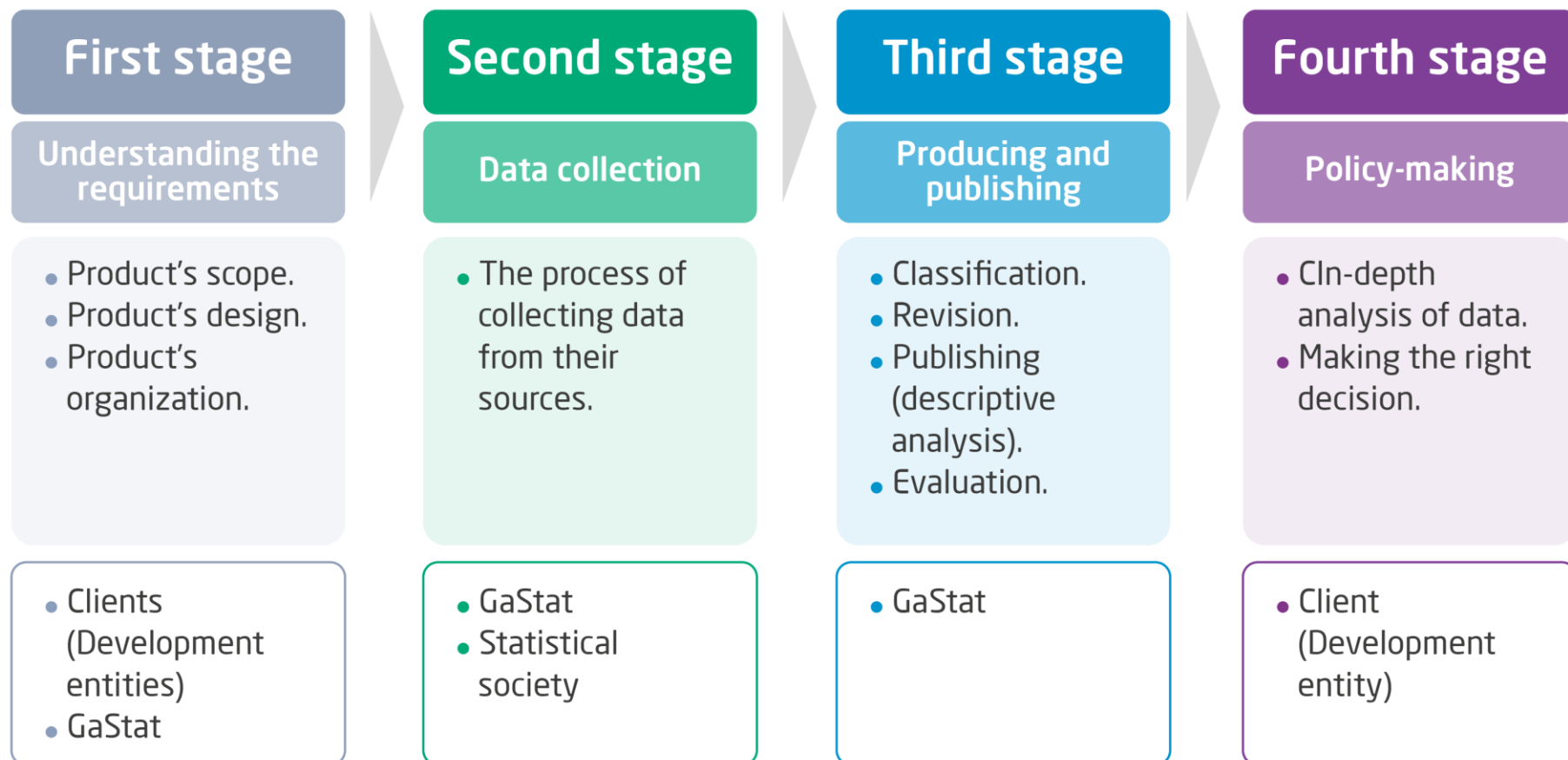
Measuring the level of satisfaction of beneficiaries about the products and services of the Authority (clients).

Achieving a high level of satisfaction and maintaining it continuously.

Clients have become part of the statistical work stages



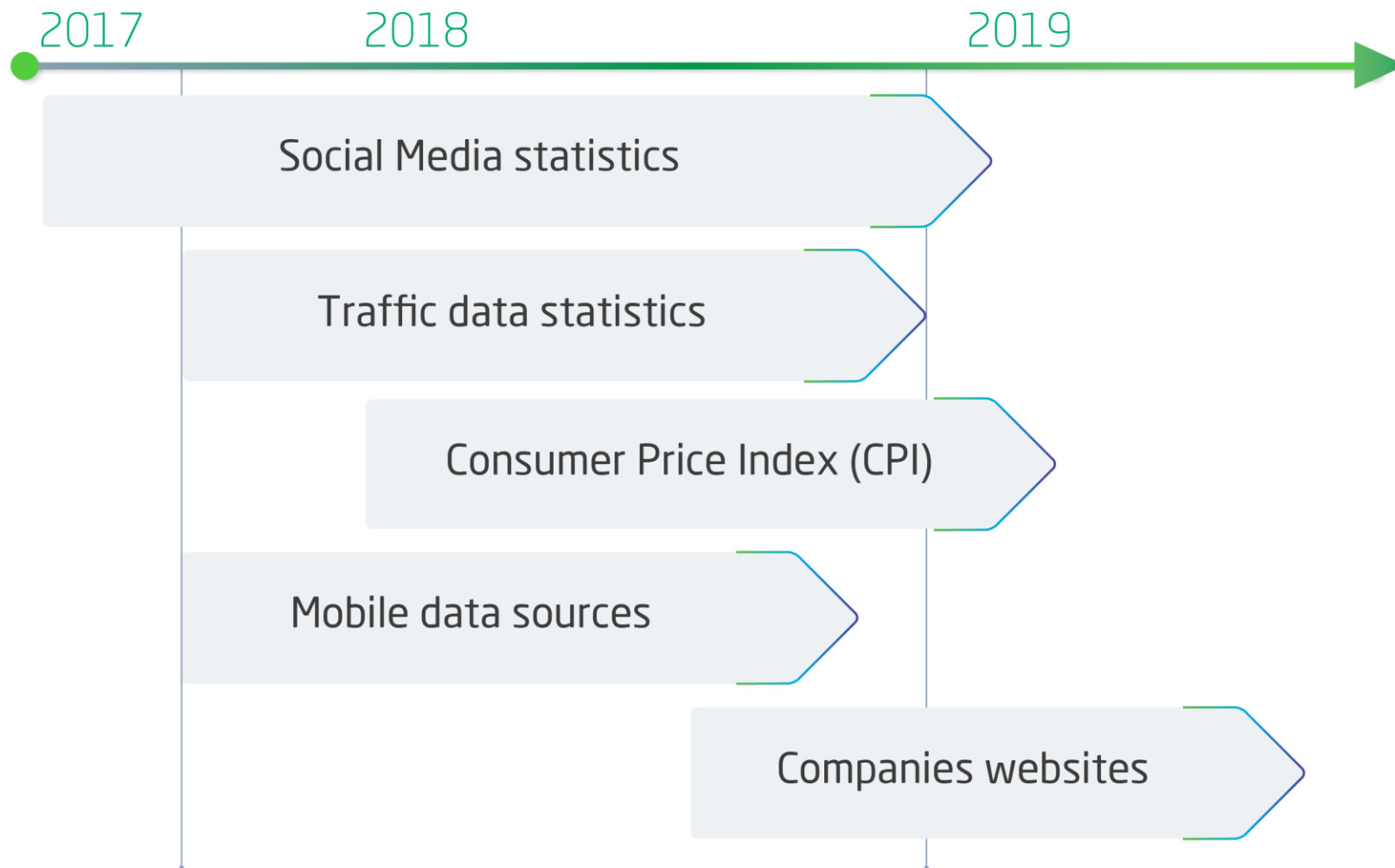
Clients are part of decision support...





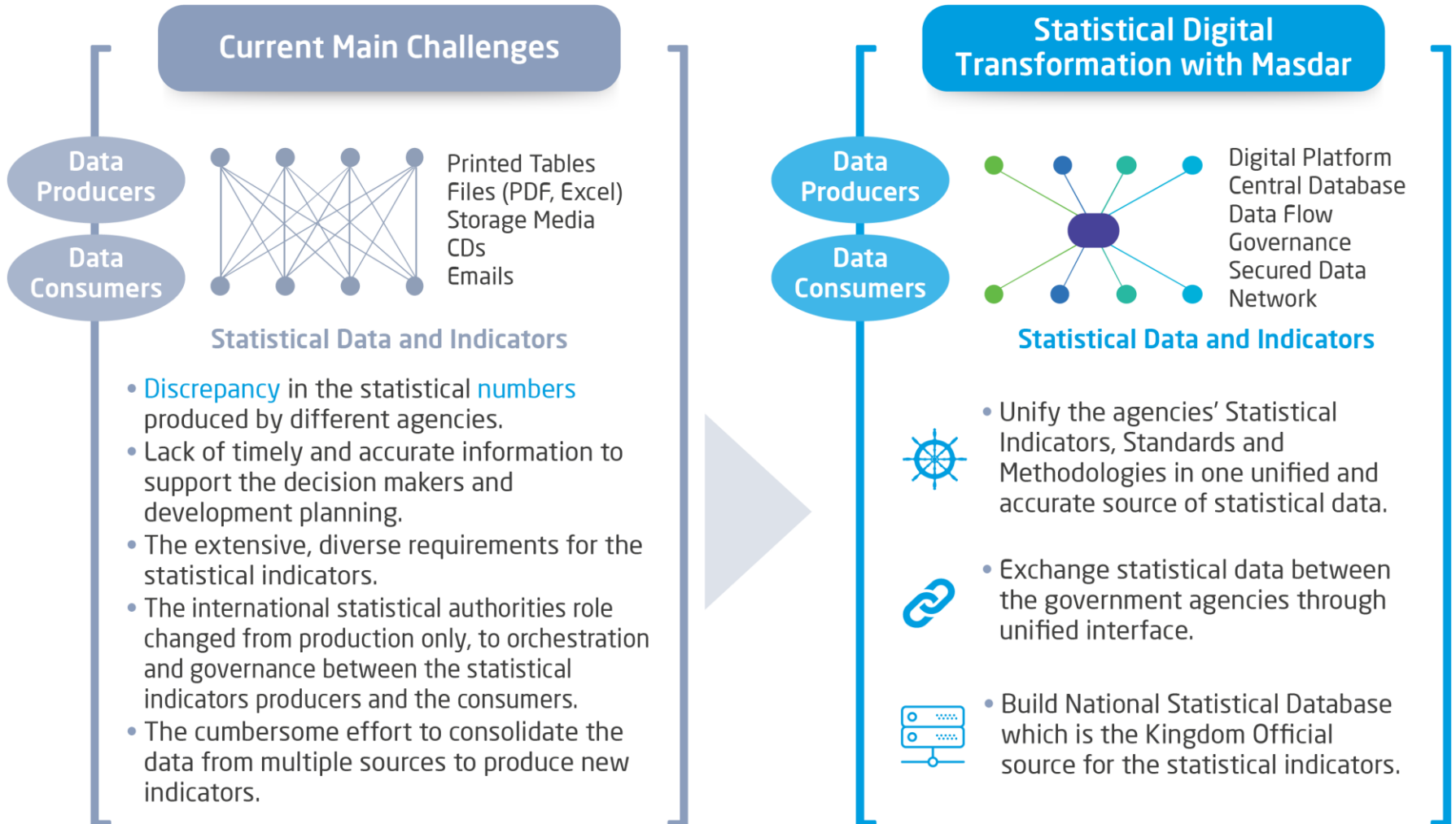
Strategic Program to Develop the Statistical Sector

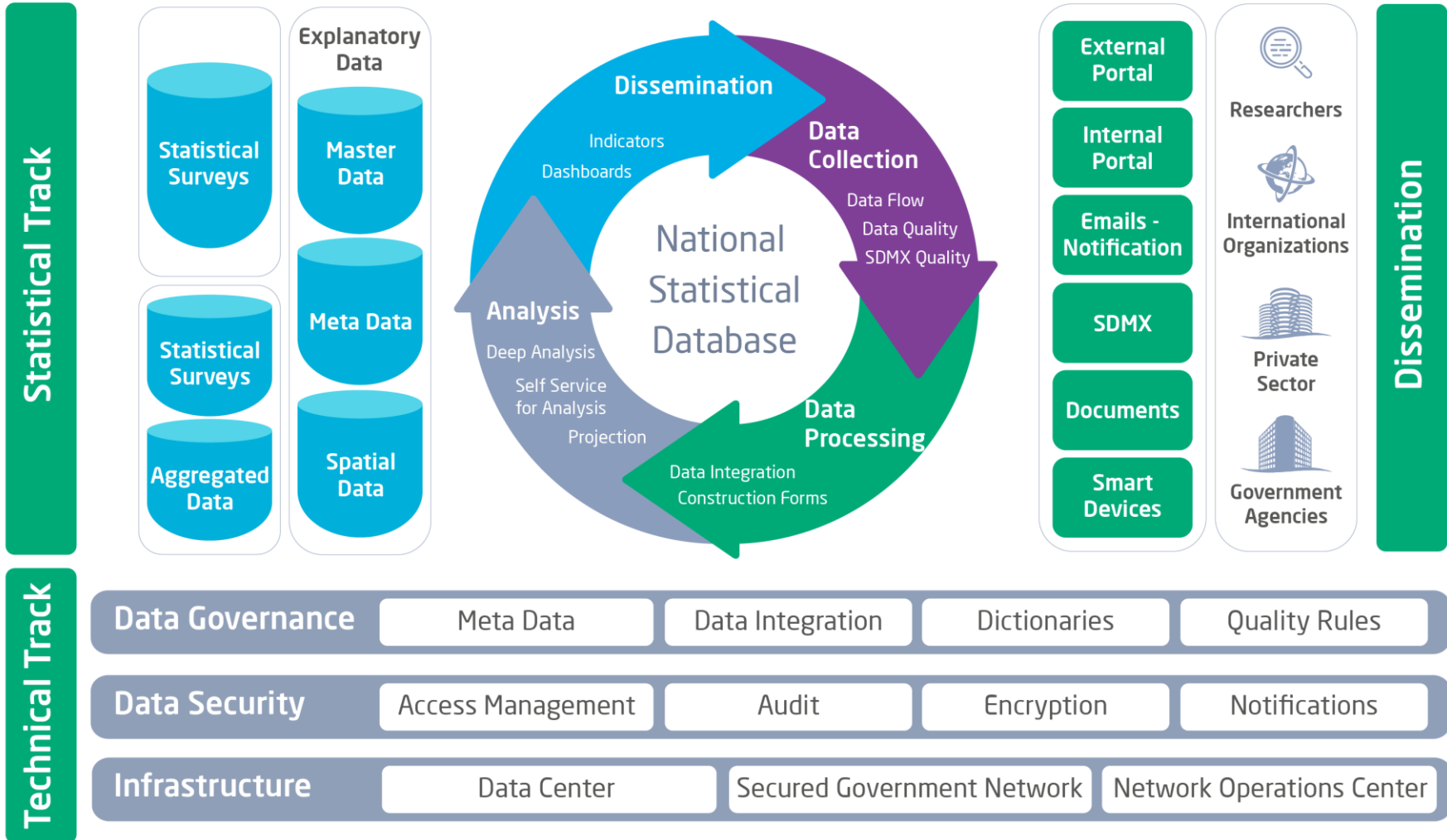
Big Data: new source for new products

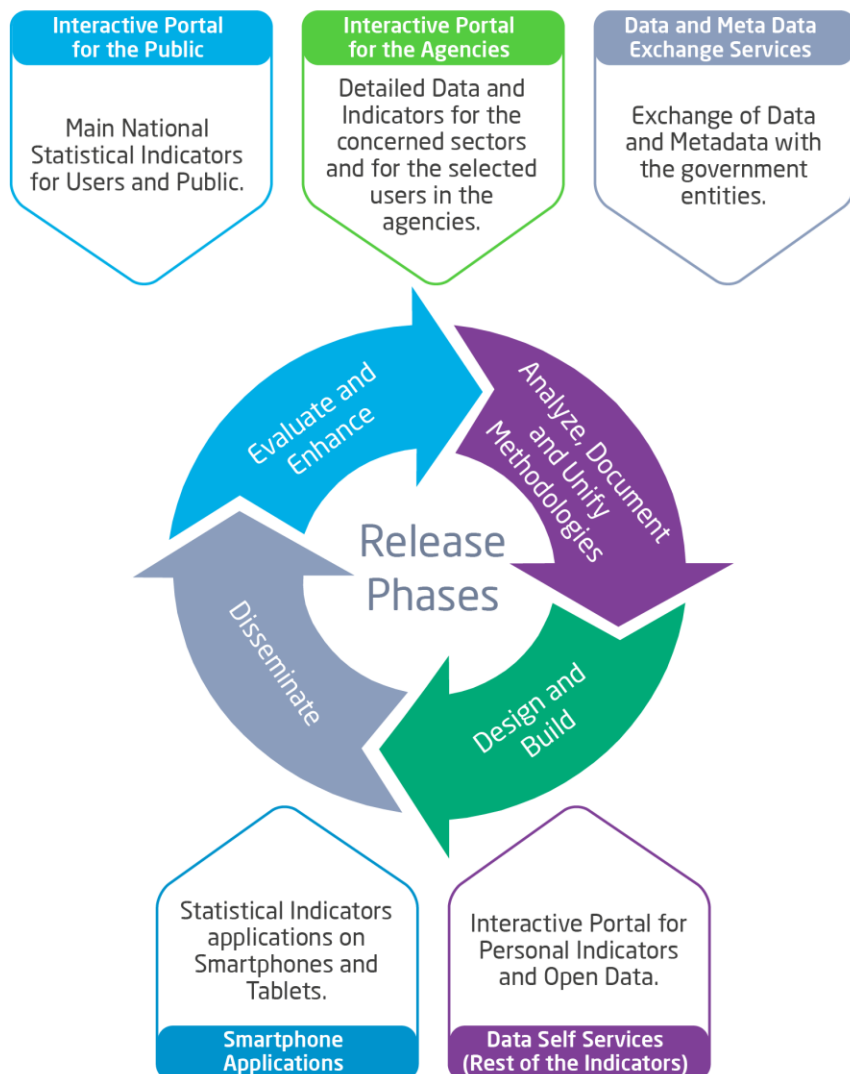




Masdar







Release 1		Release 2	
Finance & Economy		Population	Labor Force & Labor Market
Agencies	10	Agencies	10
Progress	60%	Progress	%7
Indicators	464	Indicators (Estimated)	+400
Subject Areas	67	Subject Areas (Estimated)	+90

Program's Remaining Releases	
Health	Education
Water, Energy & Resources	Government & Social Services
Hajj, Umra & Tourism	Agriculture
Agencies	25
Progress	To Start
Indicators (Estimated)	+1000
Subject Areas (Estimated)	+300



Census 2020



2010 Census

Statistical dimension

- Traditional enumeration.
 - Errors detection rules are applied after completing field work and data entry process.
 - Using the block numbering system in cities.
 - Quality system by field samples.
- Government agencies' views on forms' content are considered.

Availability and publication dimension

- Results are obtained after completing the enumeration work, data entry and revision.
- Publication is at the neighbourhood and populated areas level.
- Data are published through paper bulletins, floppy disks and the Authority's website on the internet.

Technical dimension

- Spatial coordinates at the level of blocks in cities and populated areas in villages.
- Systems based on paper forms and the use of (ICR) reading system.
- Huge costs for printing, transport, storage, data entry and audit
- Follow up with the supervision groups of the field researchers.

2020 Census

- Administrative records are used and some data are collected from the field.
- Self-counting system and the phase of listing and numbering all buildings and housing units are used
- Errors detection rules are applied during data collection
- Postal addressing system is used.
- comprehensive quality system is applied through central operation rooms
- Results are obtained during the enumeration period and immediately after completing the enumeration works

- Flexibility of data publishing at any required geographical level.
- All traditional and electronic publishing methods are used and using the business intelligence system.

- Spatial coordinates at the level of blocks in cities and populated areas in villages.
- Data are collected by Using tablets.
- Data are transferred by using tablets from the National Information Centre and databases at the Authority's headquarter during the interview with the head of the household.
- Ability to track field enumeration and calculating all field quality rates.

Concept of linkage

an electronic linkage that occurs by using a secured network between GaStat and the National Information Center (NIC), so that they can exchange data.



- reaching the registers of individuals, households, dwellings, and establishments and linking them with the individuals' national code.
- Unifying all definitions and concepts, so that they can be easily transferred into statistical registers which can be analyzed any time.
- Using register-based data in all household and establishments' surveys.
- Founding a unified statistical code for establishments.

service inputs

Head of household ID number

Spouse ID number

service outputs for all household members

Name

Age

Gender

Nationality

Relation to the head of household

Marital Status

Educational Status



Tablets will be used by the data collector, so that he/she can fill in all required data from the head of household, then he/she transfers these data to GaStat database.

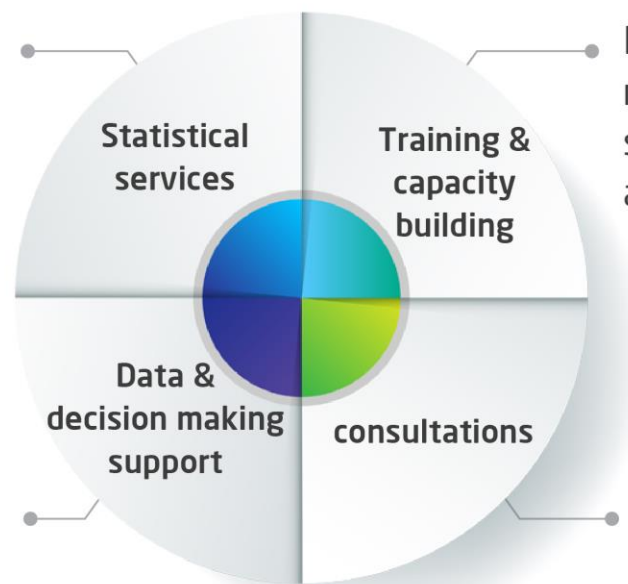


National Academy for Statistics



In order to achieve the Saudi vision 2030, and based on the role of the General Authority for Statistics in supporting the national statistical sector, a national academy for statistics has been founded to work upon the following tracks:

Developing statistical products and services according to the needs of GaStat clients outside the statistical field.



Increasing the level of national manpower in the statistical sector through rehabilitation and training.

Getting benefited from GaStat data to support decision makers in both the private and public sectors.

Providing consultative services to the statistical sector in Saudi Arabia by cooperating with local and international consulting firms.



Thank you..

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