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REGIONAL THEMATIC CONFERENCE ON

Managing a Statistical Organization in Times of Change

12-14 February 2020, ADB Headquarters, Manila, Philippines

The background of the slide features a green map of Iran on the left and a blue and green network diagram on the right. The network diagram consists of interconnected nodes and lines, representing a complex system or organizational structure.

Importance of Modernization of the National Statistical System and Plans and Initiatives of the SCI for Modernization of the National Statistical System in Iran and Establishing Iran's Statistical Registers System (IRANSTARS)

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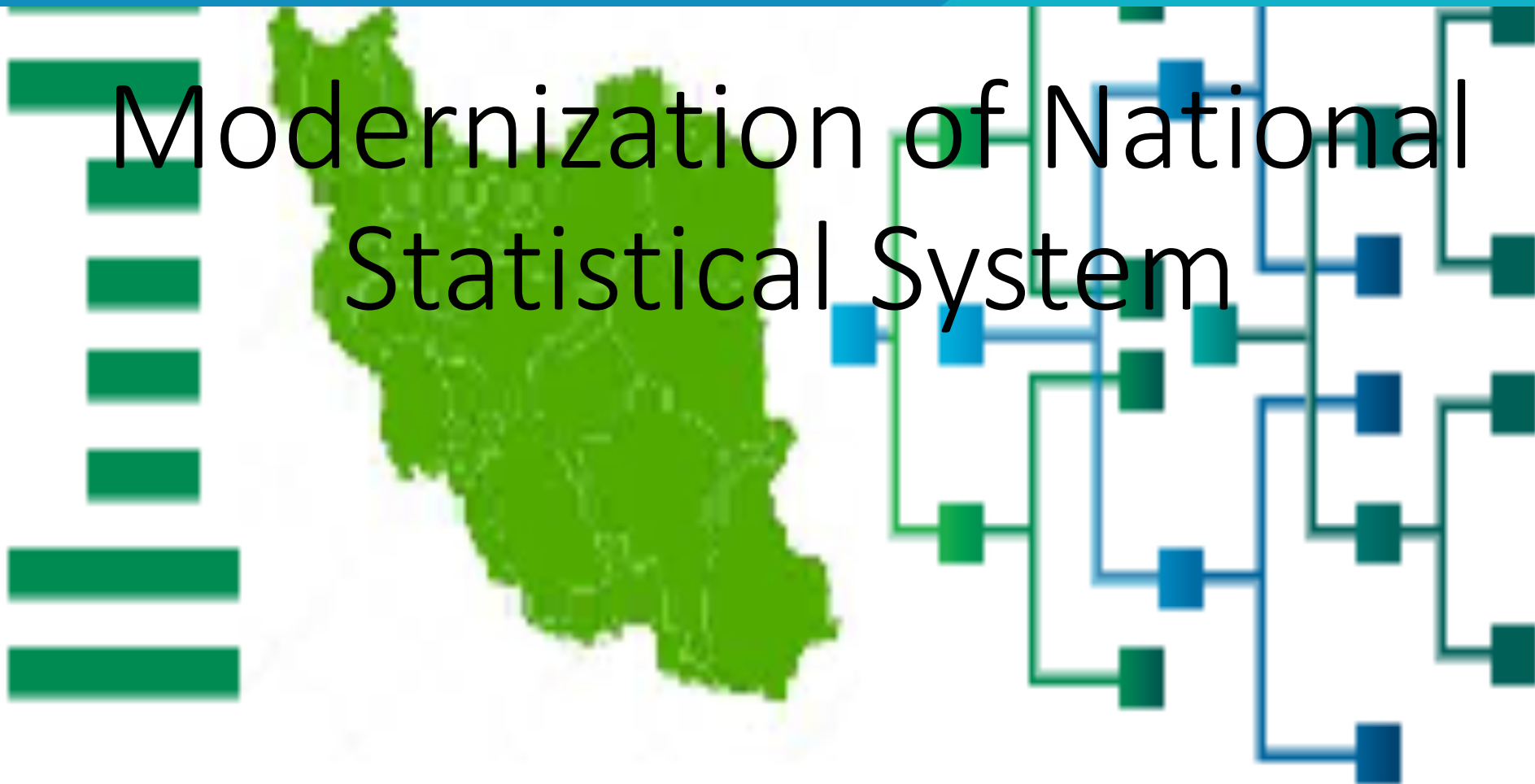


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Modernization of National Statistical System





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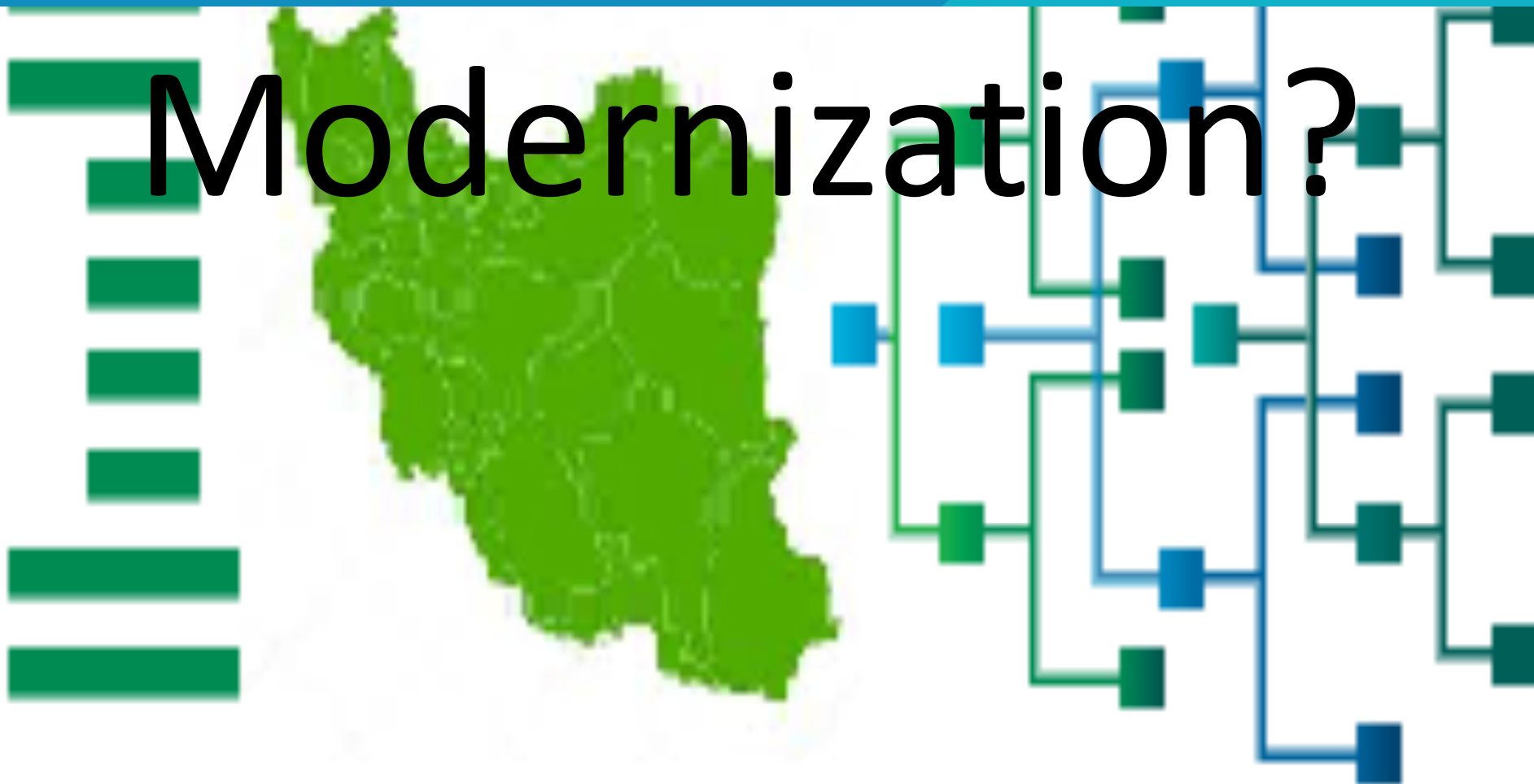


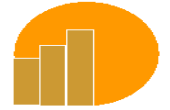
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Modernization?





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Definition

Modern

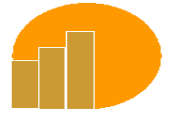
designed and made using the most recent ideas and methods.

Modernization

the process of starting to use the most recent methods, ideas, equipment, etc. so that something becomes or seems more modern.



Cambridge
Dictionary



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ADB

United Nations
Department of
Economic and
Social Affairs

UNITED NATIONS
ESCAP
Economic and Social Commission for Asia and the Pacific

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Modernization refers to a model of an evolutionary **transition** from a 'pre-modern' or '**traditional**' to a '**modern**' society.



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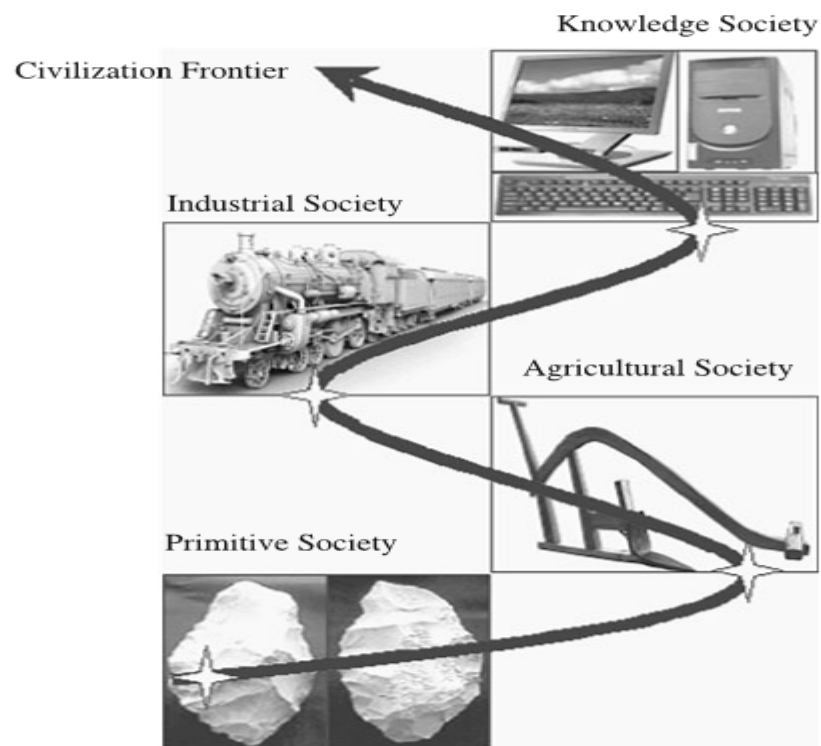


Fig. 3.2 Four forms, three shifts, and two modernizations in the frontier process of human civilization.



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- Modernization is a continuous and open-ended process.
- Modernization is not a once-and-for-all-time achievement.



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Modernization in Official Statistics?



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How is a traditional Statistical System?

- ❖ Duties of important organs and players and national duties distribution are sometimes vague and contradictory.
- ❖ Structure, laws and procedures of statistical system are not proportionate with modern science.
- ❖ Parallel jobs, incoordination and resources loss are high in this kind of NSS.
- ❖ Response burden is high.
- ❖ Available data sources are not used appropriately.
- ❖ This kind of system is not able to produce new statistics and combined indices based on new needs.
- ❖ Quality of statistical system products are not precisely reviewed .



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How is a modern statistical system?

- Available data sources are used in the highest level.
- There is a deep linkage between e-government and statistical system and innovative IT methods, techniques and infrastructures are employed in the Framework for Standard Statistical Business Architecture.
- Training and capacity building are continuously carried out and there are regular interaction and relationship among organs of statistical system .
- New statistics and combined indices/indicators are produced with respect to national new needs.
- Only qualitative products of statistical system are released and cited .



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The duties of main players are clear and transparent and national jobs distribution is done well.



Structure of the statistical system is designed and implemented with respect to the present era and national needs.



Laws and procedures of statistical system are appropriate to the modern science and assure integrated producing, processing of data and information dissemination in the statistical system as well as the one-way traffic data flows toward the NSO.



Resources are expended according to new approaches of the statistical system.



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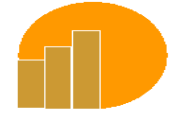
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High-Level Group for the Modernization of Official Statistics (HLG-MOS)

modern stats

by HLG - MOS



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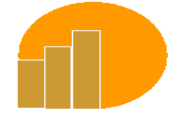
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Which is including a Group of **Chief Statisticians** That Are Noticing The **Rapid Changes** Occurring In The **World** And they Want To **Modernize Official Statistics**

- Created by the CES bureau in 2010
- 10 heads of national and international statistical organizations
- Strategic vision endorsed by CES in 2011/2012

★ Conference of European Statisticians (CES).



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2011: HLG Vision

We have to re-invent our products and processes and adapt to a changing world.



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Data

- [Common Statistical Data Architecture](#)
- [Data Integration Guidelines](#)
- [Big Data](#)

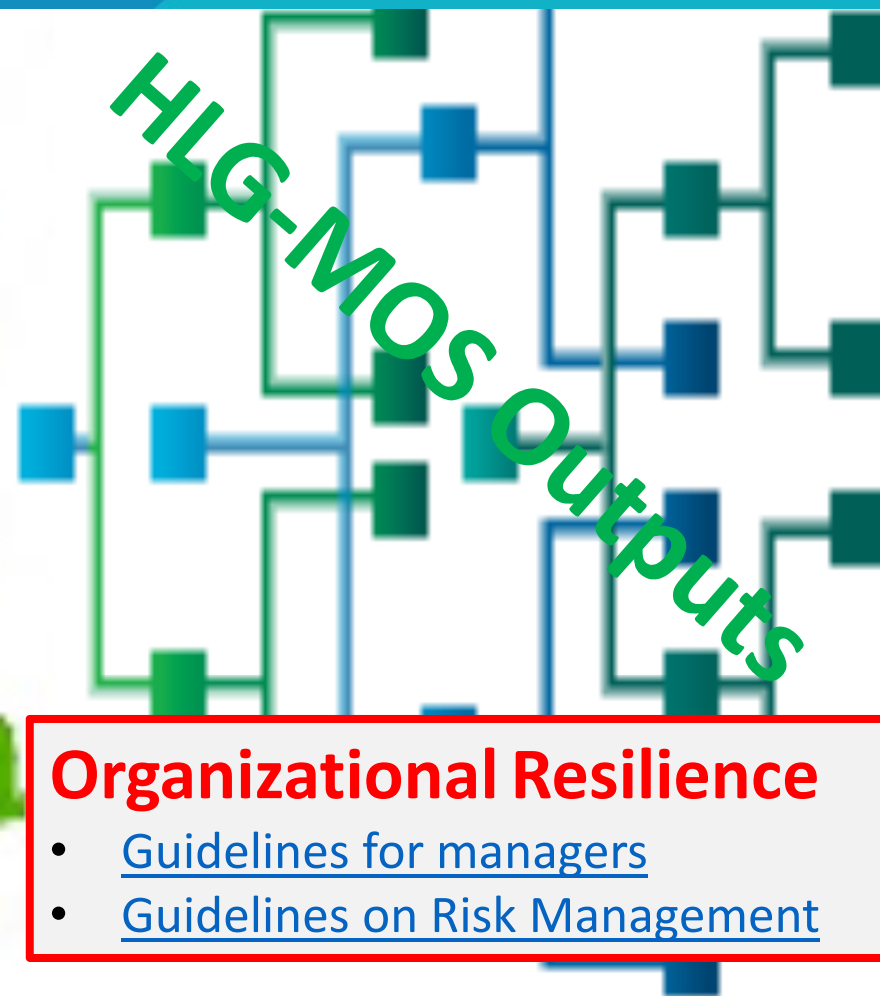
Standards

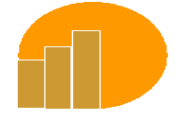
- [Generic Activity Model for Statistical Organizations](#)
- [Generic Statistical Business Process Model](#)
- [Generic Statistical Information Model](#)
- [Common Statistical Production Architecture](#)
- [Modernization Maturity Model / Roadmap](#)
- [Linked Open Metadata](#)
- [The Common Metadata Framework](#)
- [Investment Catalogue](#)

Organizational Resilience

- [Guidelines for managers](#)
- [Guidelines on Risk Management](#)

HLG-MOS Outputs





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In the last five years, the modernization of statistical offices and statistical systems has been linked to the production of Sustainable Development Goals (SDGs) and the capacity building of national statistical systems.

PARIS 21!

Partnership in Statistics
for Development in the 21st Century





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Predominant tendencies and main achievements in Modern National Statistical System in the world





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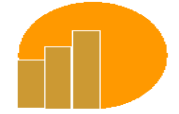


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At the Forty-eighth Session of the United Nations Statistical Commission (2017), the following topics were introduced and highlighted as predominant tendencies in modernizing official statistics under the name of key operational programs lists for implementation at national and regional levels.



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1. The pivotal role of National Statistical Offices in coordinating and directing the National Statistical System for transition and modernization
2. Enhancement of communication with official statistics stakeholders, especially data providers, policy makers and users (affecting the statistical system such as high-ranking authorities) to gain their heartfelt support for modernizing official statistics.
3. Enhancing the use of modern methods for producing official statistics, in particular, increasing the use of administrative data (register-based surveys) and employing big data capacity in the process of official statistics production.

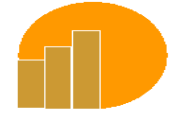


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4. Strengthening the implementation and application of international organizations standards and guidelines on the modernization of official statistics and redesigning compilation, production and dissemination processes of statistics.
5. Increasing the use of ICTs and related state-of-the-art tools along with developing the necessary infrastructure
6. Strengthening systematic methods and practices for greater consultation at the regional and global levels, along with finding new reliable sources and necessary tools and services to produce high quality official statistics.
7. Amending existing statistics laws and developing national strategic and development plans for the transformation and modernization of national statistical systems
8. Strengthening electronic communication methods and practices and greater online access to documentation and training materials and holding joint courses and e-learning workshops



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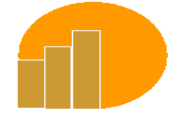
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Some criteria for drafting statistics ACT in the EU in 2018

- ❖ Official statistics should be defined to be distinguishable from other produced statistics by the government agencies and private sectors.
- ❖ Since statistics which are solely produced by government agency are not official unless they observe certain criteria.
- ❖ Since National Statistical Office is the main producer and coordinator of all official statistics activities in the country and to ensure the quality of the statistics, the roles and functions of the National Statistical Offices should be clearly defined .



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Some criteria for drafting statistics ACT in the EU in 2018

- ❖ In order to ensure NSO leadership and authority and to stabilization of professional independence and to ensure a stable and robust NSO position, the process of appointing and dismissing the NSO Head must be transparent and based on professional standards.
- ❖ The statistical officials of other official statistics must be unpolitical official statistics and they must follow the similar model of the NSO head and respect professional independence.
- ❖ NSO access to required administrative data must be assured.



Using the latest standards in the field of official statistics

Modernization Maturity Model (MMM)

CSPA

GAMSO

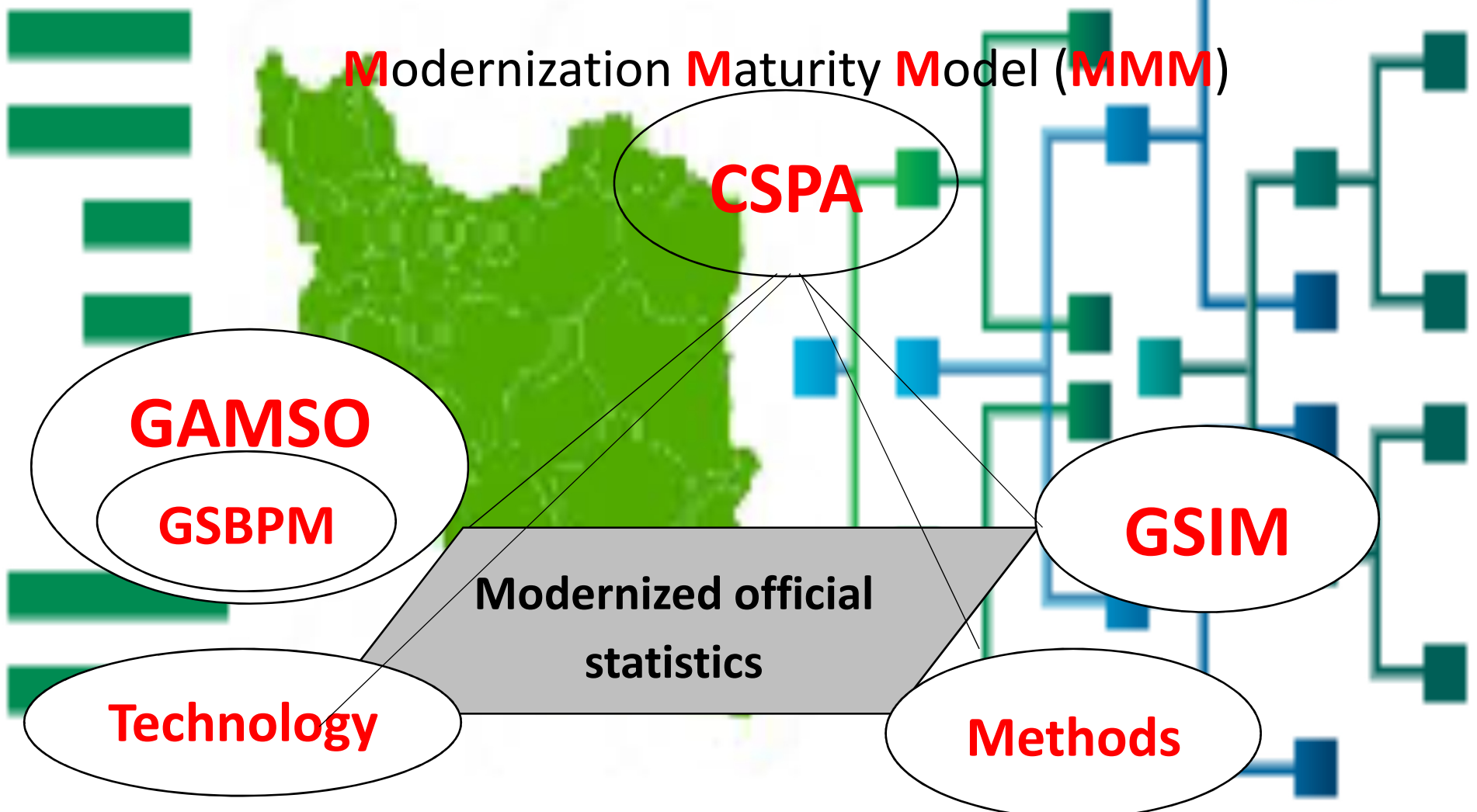
GSBPM

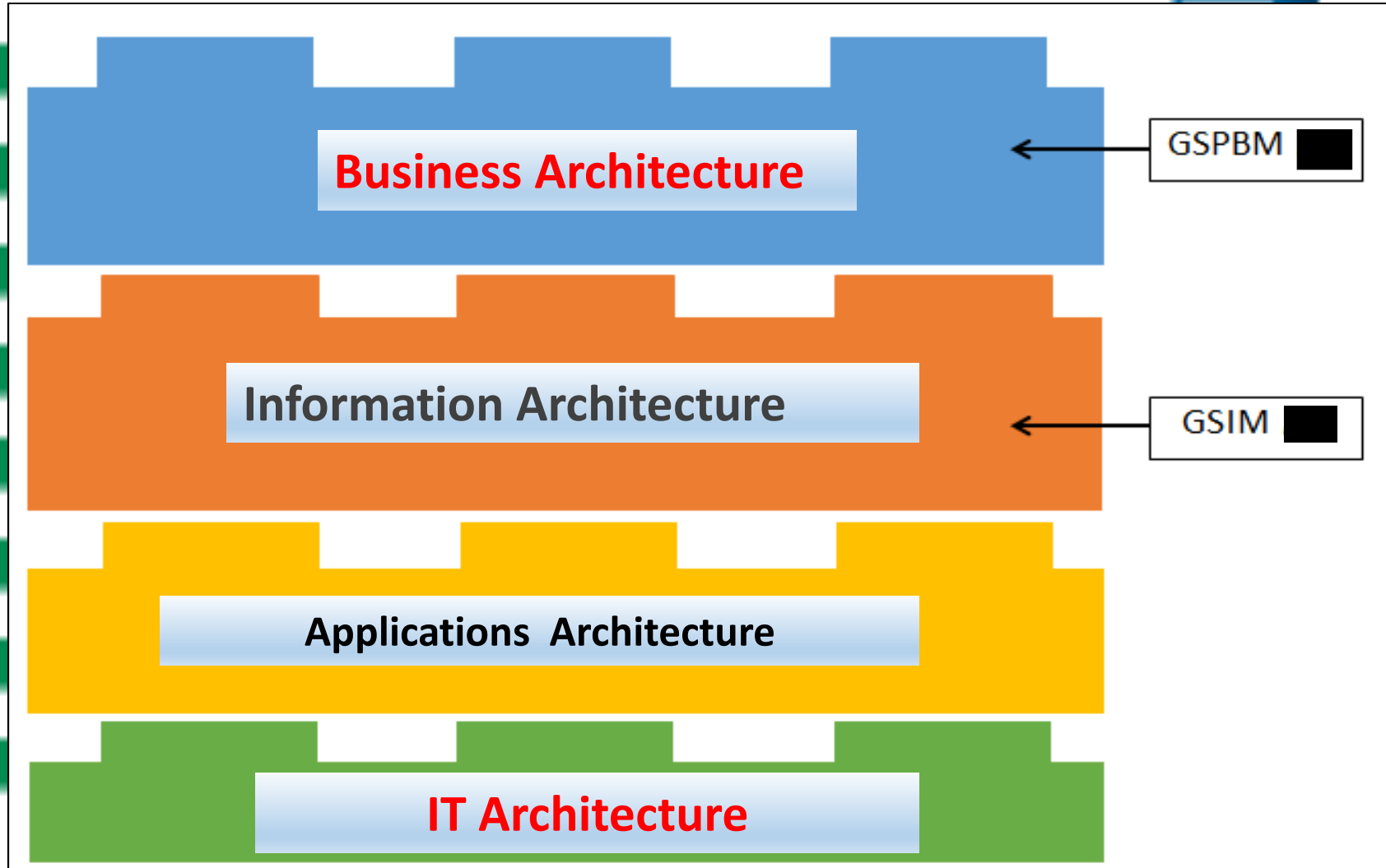
GSIM

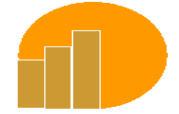
Technology

**Modernized official
statistics**

Methods







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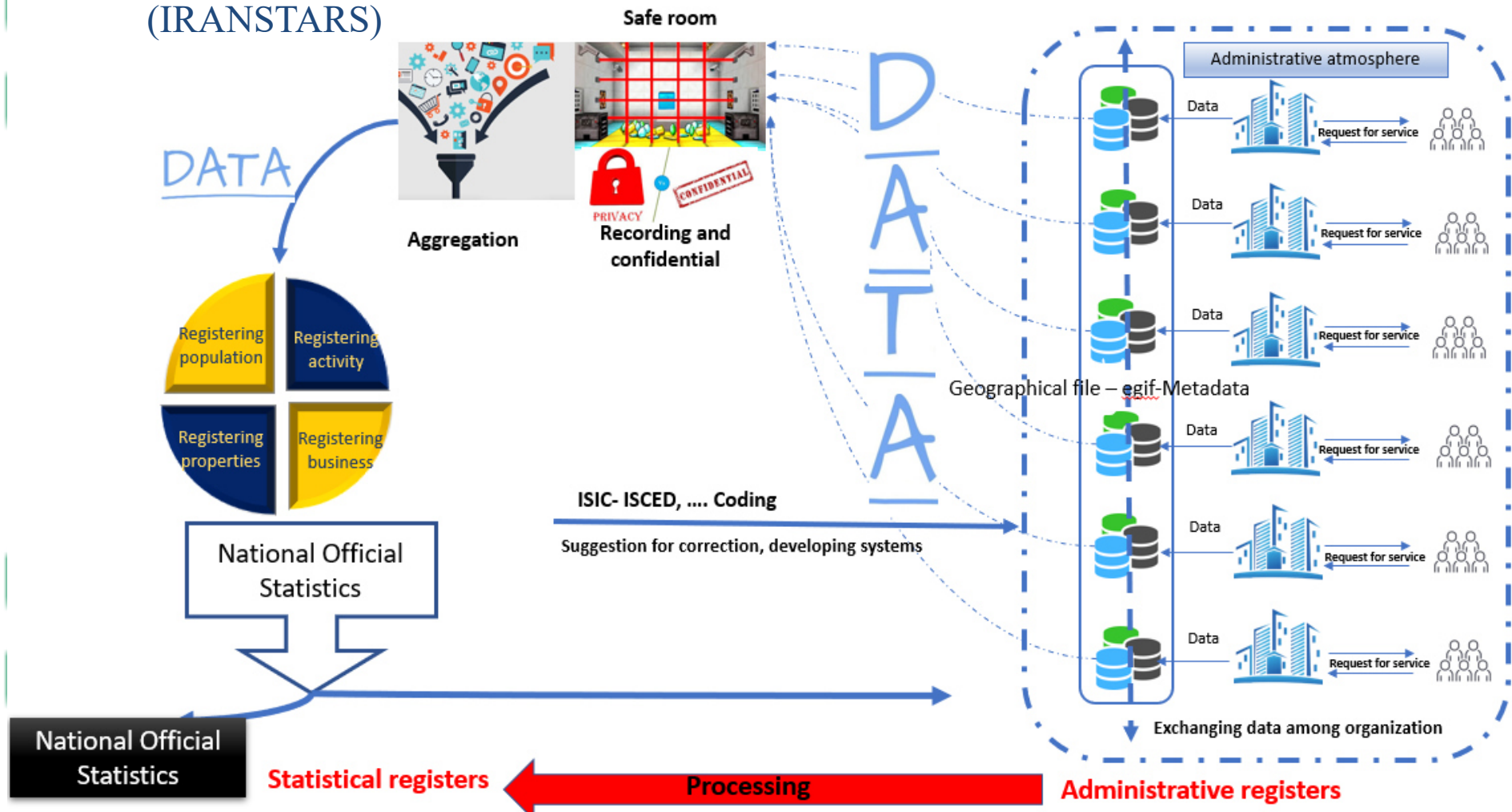
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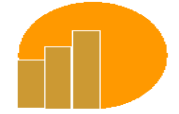
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Statistical Registers System

Statistical Registers System (**SRS**)
guarantees production of register-
based statistics in modern system.

Iran's Statistical Registers System (IRANSTARS)





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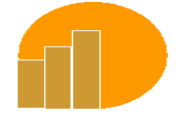


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The statistical system in Iran is the set of organizations and institutions involved in the statistical activities (organs of the system), the tasks and activities of each of the system components, their internal and external relationships, the principles, rules and regulations governing these duties and relationships.



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Modernization of National Statistical System (NSS) is an Urgent Action



**Thank you very much for your
attention**

