

Transportation Economics: The Role of Transport Statistics in National Development

Training on Transport Statistics for Uganda Bureau of Statistics,

9-10 August, 2017



National Bureau of Statistics

Presentation Outline

- ❑ Introduction
- ❑ Major Stakeholders in Statistical Production and Management
- ❑ Statistics and national development
- ❑ Transport Statistics and National
- ❑ Transport in Uganda
- ❑ Effects of Planning without Statistics
- ❑ Recent Initiatives in the Nigerian Statistical System (NSS)
- ❑ Challenges
- ❑ Going Forward
- ❑ Conclusion



Introduction

❖ Why Statistics?

All governments need good statistics because good statistics are part of enabling environment for development

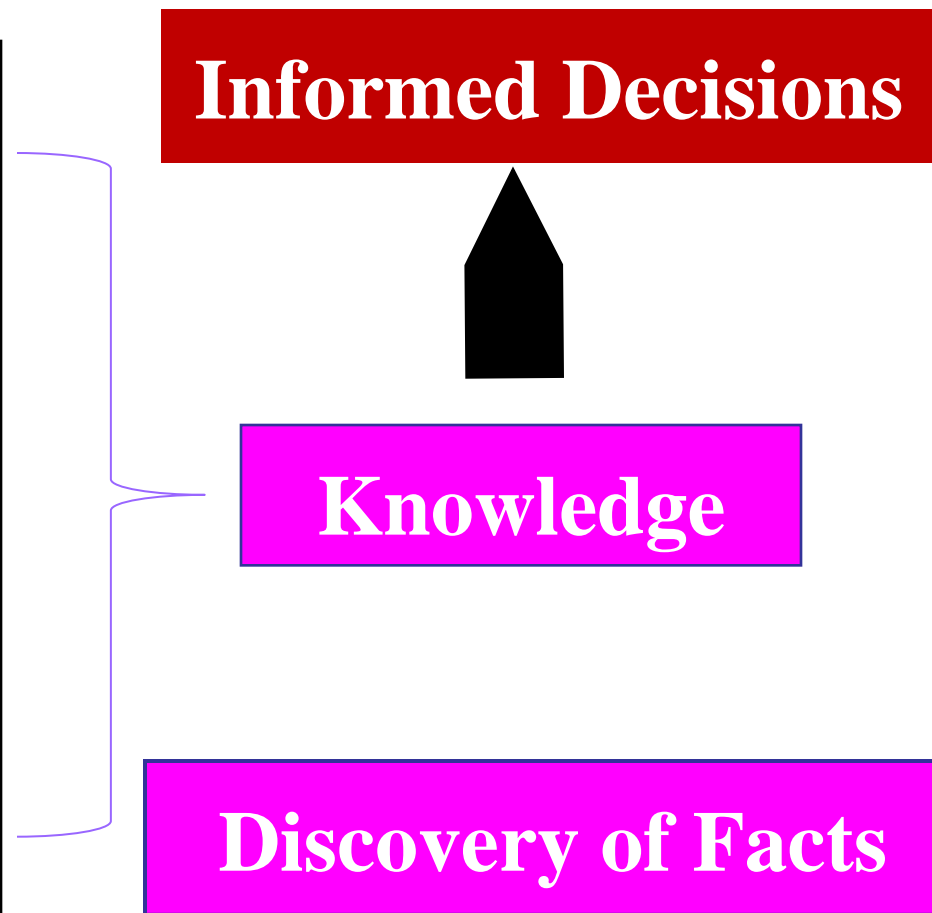
Relevant Quotations

- “Sound data represent the key weapon in the battle against poverty” **President, Asian Development Bank**
- “If you can’t measure it, you can’t manage it” **Robert Kaplan**
- “Statistics are the eyes of policy makers” **Director of Economic Affairs
Uganda Ministry of Finance**



□ Introduction....

Statistics can be defined as facts or data of a numeric kind, assembled, classified and tabulated so as to present significant information about a given subject



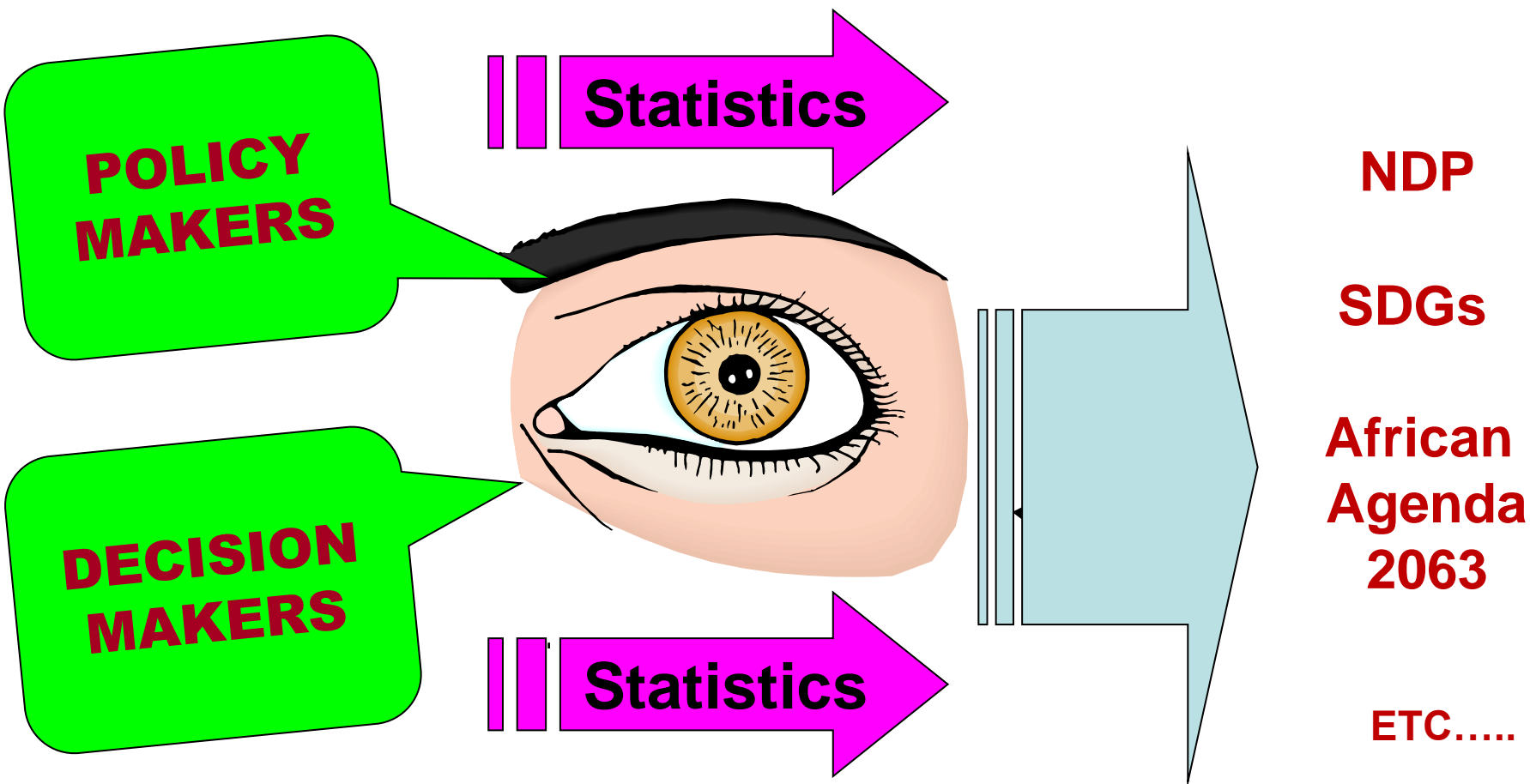
Sustainable national development



□ Introduction....

❖ Why Statistics?.....

Statistics, Policy and Decision-making



□ Introduction....

❖ Why Statistics?.....

Role of Statistical Information

In general, Statistics are a powerful tool used for

Planning

Administration

Monitoring/Evaluation

Governance/Accountability

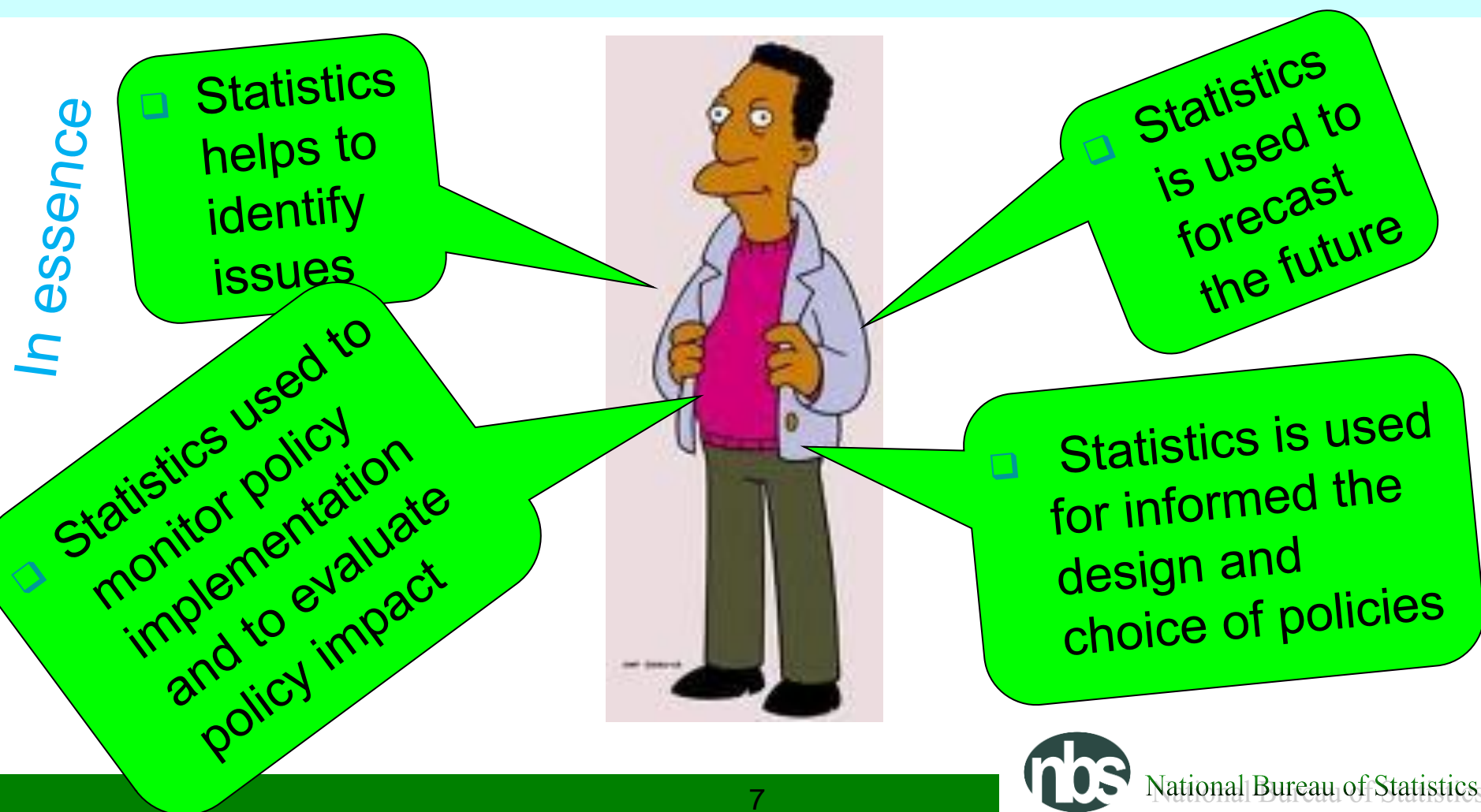
Public Debate and Informed Choices



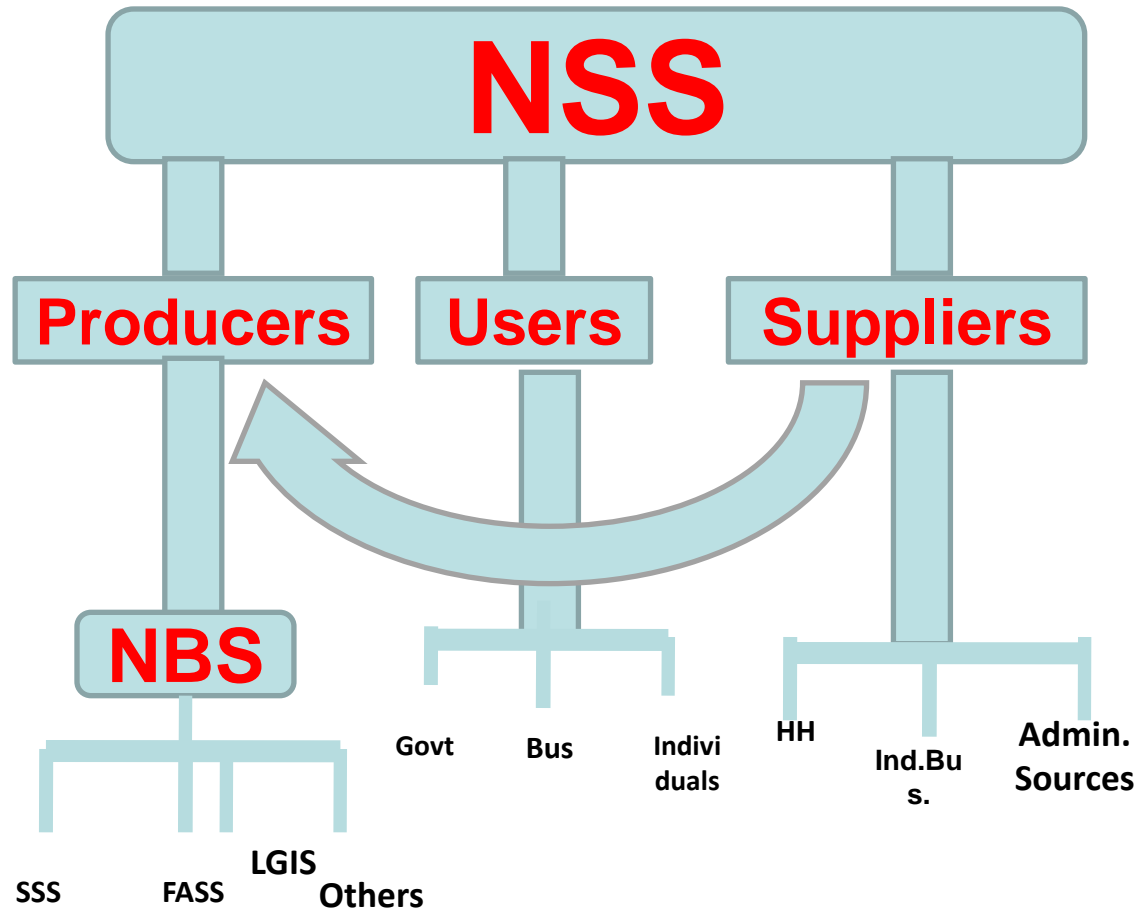
□ Introduction....

❖ Why Statistics?....

In all the Stages of Policy Design and Decision-Making



Major Stakeholders in statistical production and management....



National Bureau of Statistics



❑ Major Stakeholders in Data Production and Management....

❖ Major Data Producers

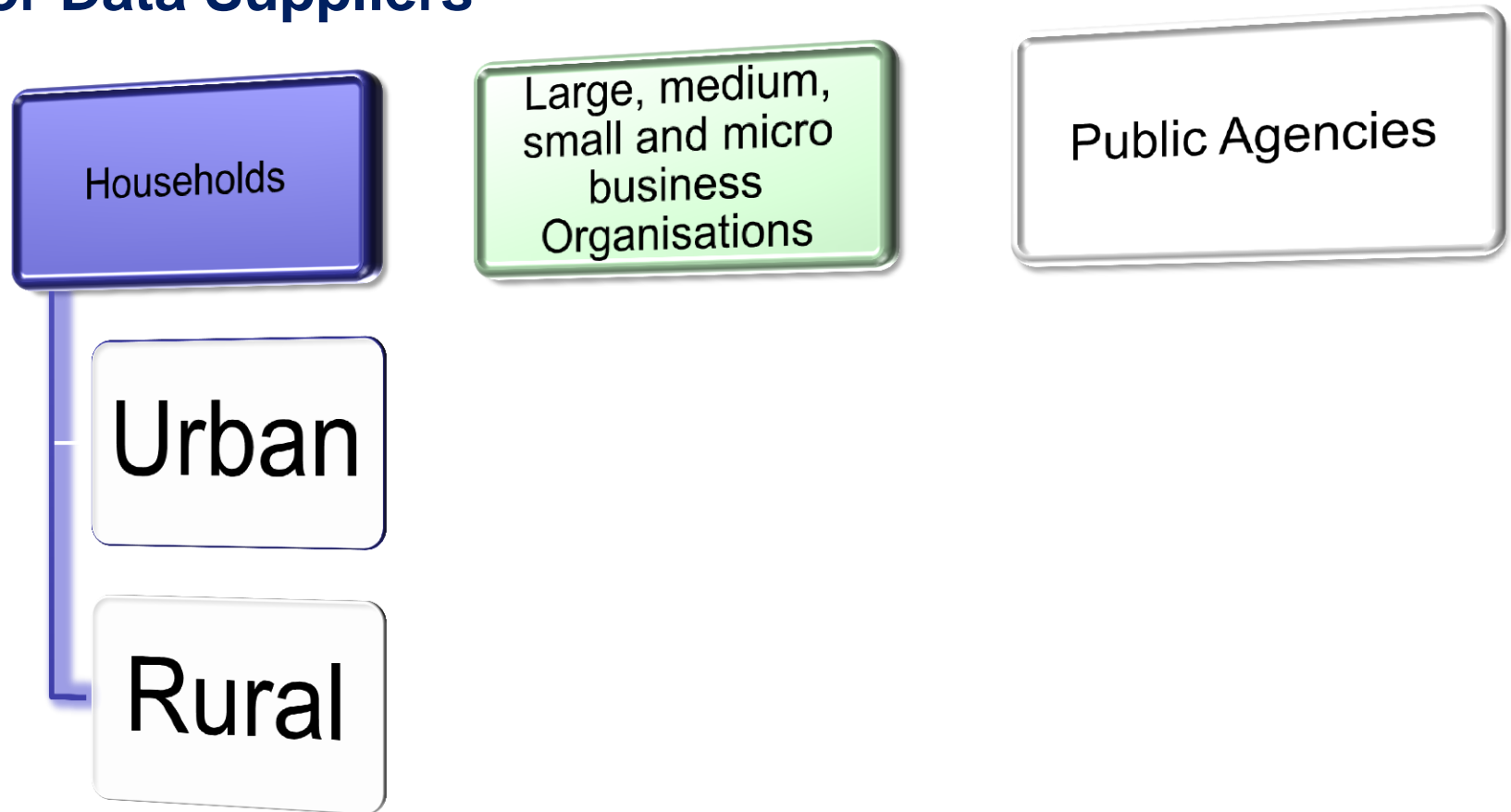
- ✓ National Bureau of Statistics (NBS)
- ✓ National Population Commission (NPopC)
- ✓ Central Bank of Nigeria (CBN)
- ✓ Nigerian National Petroleum Corporation (NNPC)
- ✓ All Federal & State MDAs
- ✓ Statistical Units in all LGAs



National Bureau of Statistics

❑ Major Stakeholders in Data Production and Management....

Major Data Suppliers



❑ Major Stakeholders in Data Production and Management...

❖ Data Users

Policy Makers at both the Legislative and Executive arms of Governments,

Public Sector Managers,

Academics/Researchers

Private Organisations

Consultants

International Organisations,

The Media

General Public



National Bureau of Statistics



Types of Plans for national development



Perspective plan { 10yrs & above}

- Vision 2020



Mid term plan { 5 – 7 years}

- Economic Recovery and Growth Plan (ERGP)



Annual Plan/budget

- Recurrent Expenditure
- Capital Expenditure
- Revenue

❑ Statistics and national development....

❖ Key Areas....

Natural Resource Development

Land

Water- Rivers, Stream

Forest

Agriculture

Mineral Resources

Environmental Stability {Ecosystem balance}

Air

Erosion & Desertification

Urbanization

Refuse Mgt.

Etc.



National Bureau of Statistics

❑ Statistics and national development ...

❖ Key Areas in national development

Human Development

Population/Quality

Labour Force

Education

Health

Poverty/Prosperity

Infrastructure Development

Capital Formation

Transportation

Buildings

Communication

etc.

Government need statistics in all these area in National Development



National Bureau of Statistics

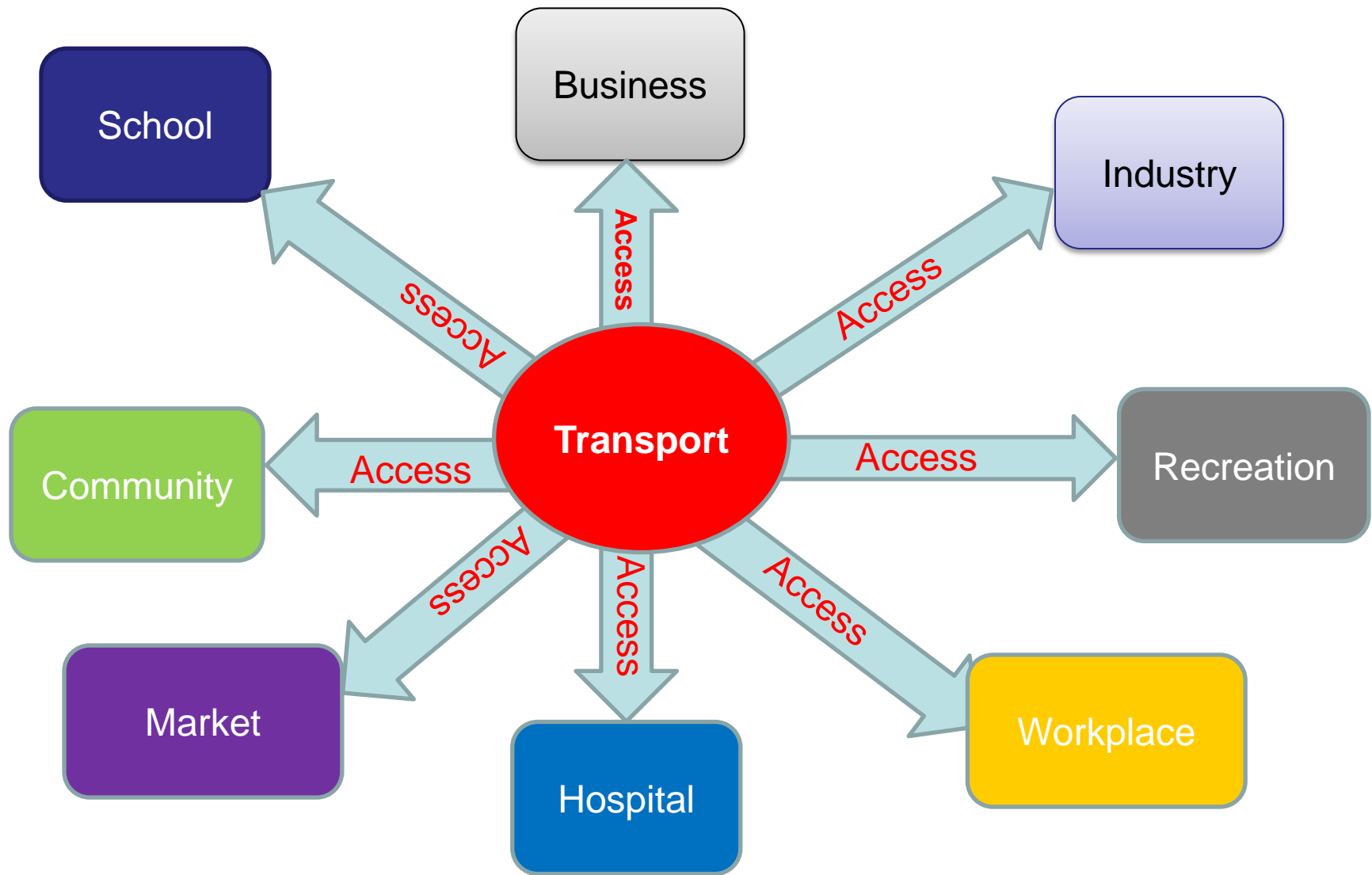


❑ Transportation and National Development

- ❖ Transportation contributes to the economic, social and cultural development of any country.
- ❖ Every commodity produced needs transport at all stages from production to distribution.
- ❖ However, inadequate transportation facilities retard the process of socio-economic development of the country



□ Transportation and National Development....



❑ Transportation and National Development....

- ❖ The principal role of transport is to provide or improve access to different locations for businesses and individuals, for both freight and personal movements.
- ❖ For the business sector, this involves connections between businesses and their suppliers, between businesses and other businesses, and between businesses and their markets



❑ Transportation and National Development....

- ❖ For the household sector, transport provides people with access to workplaces, schools and shops
- ❖ It connects them to social, recreational, community and medical facilities, for personal and leisure activities.



❑ Transport in Uganda

- ❖ Uganda is experiencing high levels of rural-urban migration, making mobility in Kampala challenging
- ❖ GKMA (Greater Kampala Metropolitan Area) contains 2.3 million inhabitants
- ❖ Transport facilities in the city take care of less than 10% of the urban people



❑Transport in Uganda

- ❖ This put a strain on the central business district (CBD) as the sole centre of economic activity
- ❖ Because, Transportation Networks for the different modes have not been able to develop properly,
- ❖ Thus, the narrow streets of the city are unable to meet the increasing demand in transport, which results in severe congestion with many negative impacts



❑ Problem Associated with Inadequate provision of Transport

The Societal problems associated with inadequate provision of transport facilities include;

- ❖ Wastage of time: Result to lost of man-hours which is a major factors of production
- ❖ Non-regulation of Price- lead to arbitrary increase in price
- ❖ Un-coordinated transport system- where a bus driver operates in an un-coordinated route
- ❖ Lack of an integrated and affordable public Transport system



❑ Problem Associated with Inadequate provision of Transport

Wastage of time



❑ Problem Associated with Inadequate provision of Transport



Un-coordinated transport system

❑ Problem Associated with Inadequate provision of Transport

- ❖ Congestion – over stressing of the available facilities; it has its effects:
 - ✓ it causes chaos, Recklessness
unsustainable urban transport system
 - ✓ It can lead to conflict btw commuters,
btw operators and law enforcement
agencies
 - ✓ Lead to disorderliness in the park



❑ Problem Associated with Inadequate provision of Transport

Kampala during Rush hours



❑ Problem Associated with Inadequate provision of Transport

CONGESTION

- ❖ KAMPALA'S traffic jams delays people to arrive at their destinations, and costs the economy shs. 500m (150,000 euro) every day.
- ❖ According to the State of Environment Report for Uganda 2008, the city experiences jams because of the huge rise in motorization which is not been accompanied by infrastructure facilities.
- ❖ For instance, during “peak hours – given that half of the 375,324 vehicles registered in 2008 are in Kampala, and each uses a minimum of one ltr of petrol in traffic jam every day, at shs 3500 (1.2 Euro) per ltr, this translates into losses of more than sh500m (150.000 euro) per day.”

(National road safety report 2010)



National Bureau of Statistics

❑ Problem Associated with Inadequate provision of Transport

❖ SAFETY ISSUES

- ❖ In the year 2010 24,000 road accidents were reported.
 - ✓ 39% of the fatalities are pedestrians
 - ✓ 32% Passengers
 - ✓ 29% others which include motor cyclists, pedal cyclist and drivers.

This is one of the highest in the world

(National road safety report 2010)



National Bureau of Statistics

❑ Problem Associated with Inadequate provision of Transport



❑ Problem Associated with Inadequate provision of Transport

Kampala is moving towards this



istics



❑ Transportation Investment

- ❖ Transport investments have multiple overlapping economic impacts, which can be assessed from several perspectives.
- ❖ The initial impacts of investments in transport can manifested in the following:
 - ✓ changes in residential and industrial location, property prices,
 - ✓ changes in the supply and demand for labour, and differential effects on the economy.



Transport Investment

Socio-Economic Benefits of Transportation: Transport improvements usually increase the scale and scope of economic and social interactions (both for freights and passengers)

Passengers

Freight

**Direct
Effect and
efficiency**

Users

Operators

Time and cost savings (e.g. commuting). Income from transport operations

Time and cost savings (e.g. deliverables). Income from transport operations

**Indirect Effect
and
Economies of
Scale**

Employers/Retail

Customers

Wider access to labor or customers. Rent Income. Goods and services to users

Productivity gains (time and cost savings). Rent income. Goods and services to operators. Wider range of suppliers and markets.

**Induced
Multipliers
and
Opportunity**

Society

Economy

Improved mobility. Increased social opportunities.

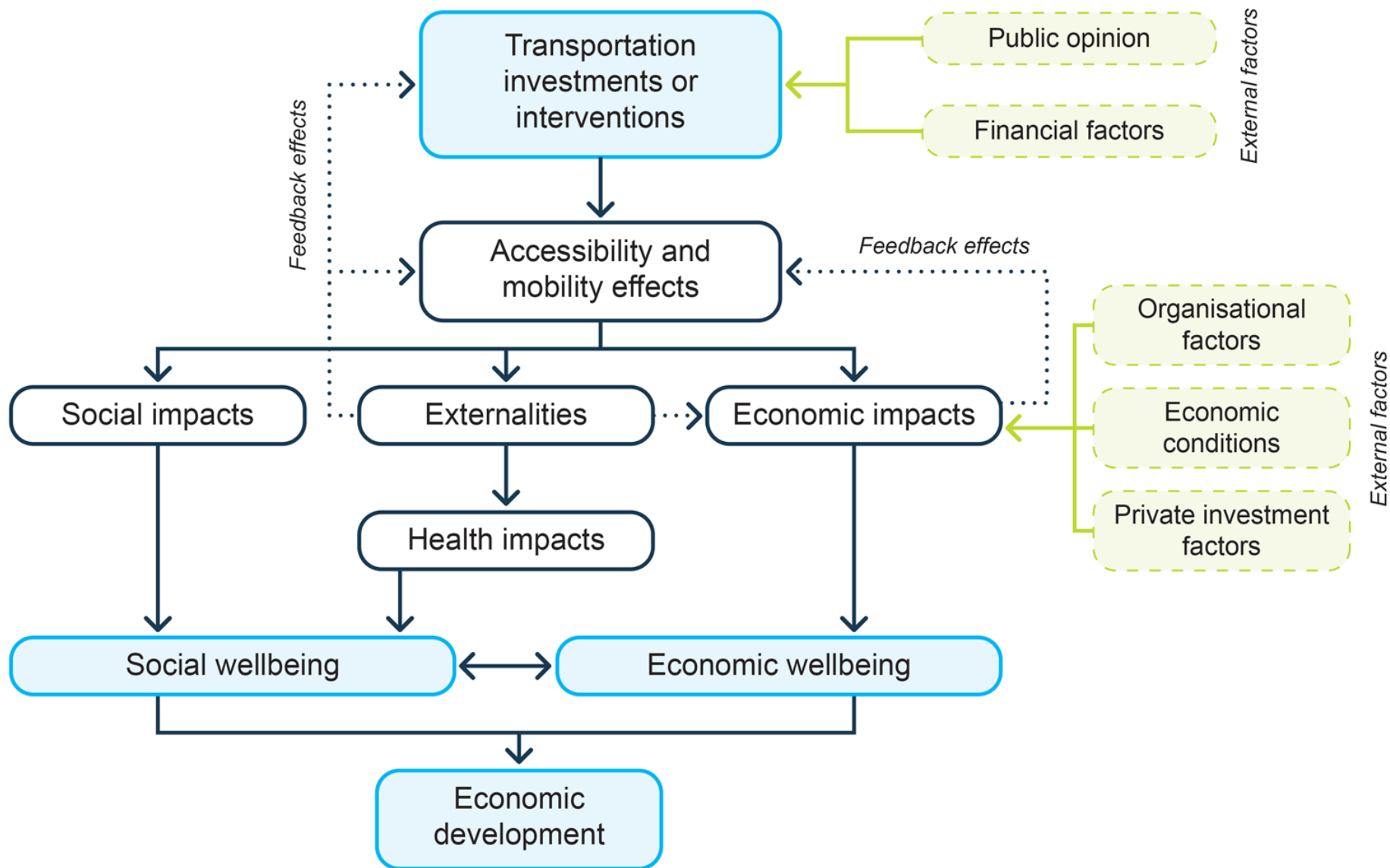
Formation of distribution networks. Attraction of economic activities. Increased competitiveness.



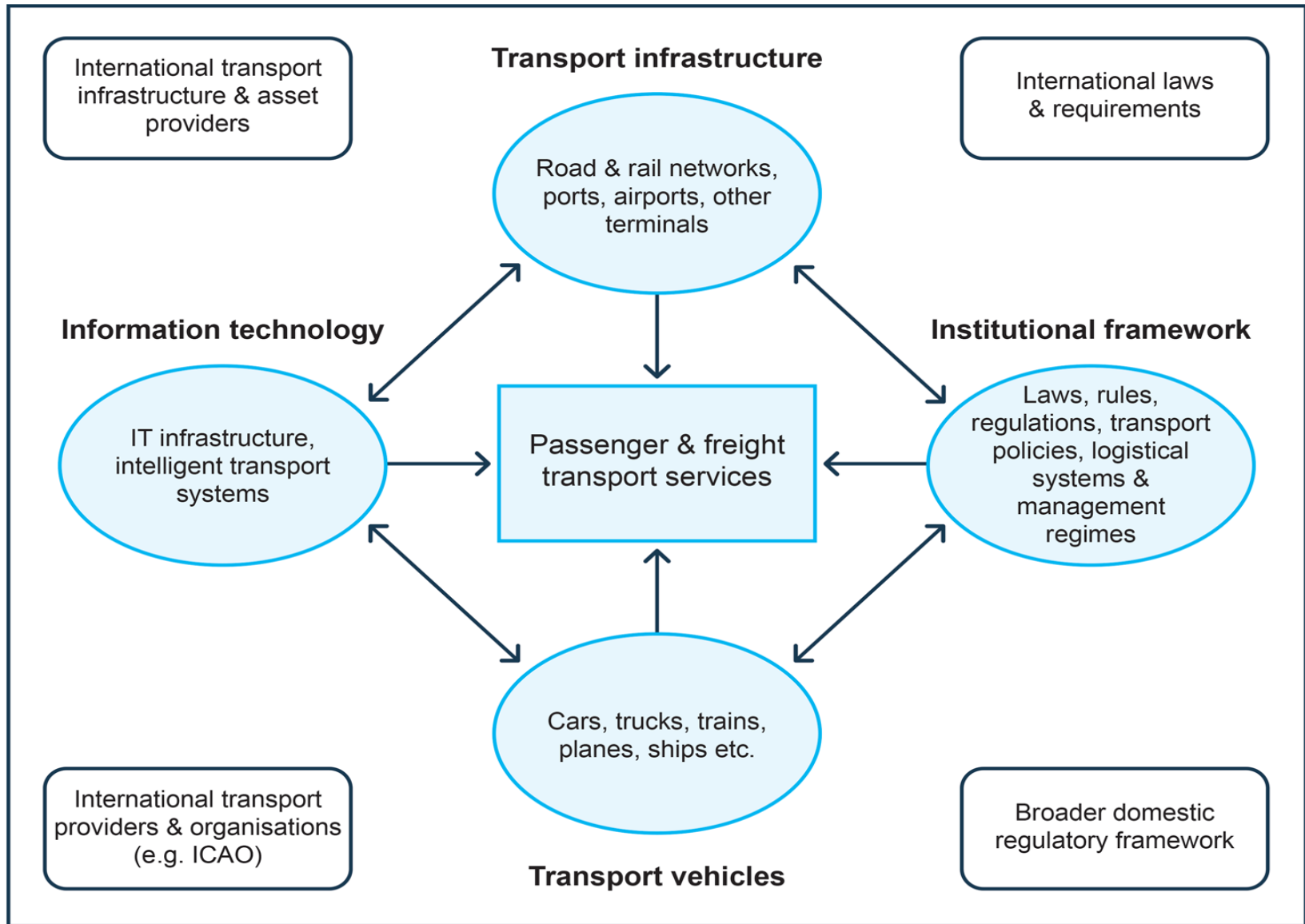
National Bureau of Statistics



Transport Investment....



Transport Investment



□ Importance of Transport Statistics: Good Governance

For Good Governance, Government Need Good Statistical information in the following areas

- Passenger rail transport
- Freight rail transport
- Urban and suburban passenger land transport
- Freight transport by road
- Transport via pipeline
- Sea and coastal passenger water transport
- Sea and coastal freight water transport
- Inland passenger transport
- Inland freight water
- Passenger air transport
- Freight air transport
- Warehousing and support activities for transportation



□ Importance of Transport Statistics: Good Governance

- To do this, Government has to
 - ✓ identify the resources available to it,
 - ✓ identify Programmes/Projects,
 - ✓ formulate Policies and targets
 - ✓ map out strategies for attaining set goals,
 - ✓ monitor the implementation of programmes and policies, and
 - ✓ evaluate the end results to see how far the objectives/goals are met

❖ The only effective instrument for doing this is
‘Statistics’!

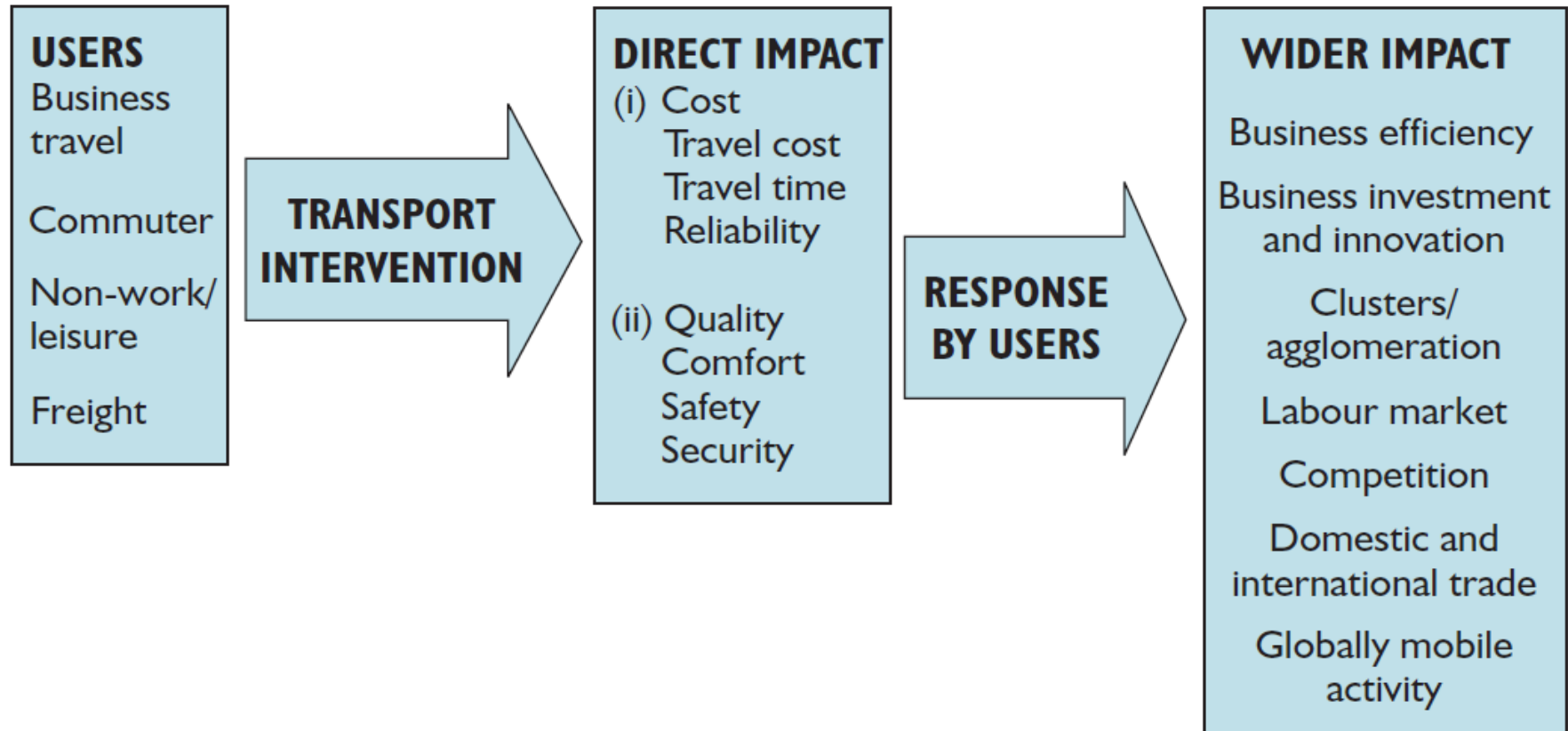


National Bureau of Statistics



□ Importance of Transport: Business efficiency

Government use these statistics to plan and invest in transportation which have direct impact in businesses



Importance of Transport Statistics: Democratic Debate

❖ Democratic debates that are based on good statistics will help to

- ✓ Identify societal problems that need attention----
(congestion, Man-hour lost, cost etc)
- ✓ Design programmes to eradicate problems
- ✓ Select appropriate actions to eradicate problems
- ✓ Forecast future situations based on chosen policy actions
- ✓ Provide bases for monitoring programme implementation
- ✓ Provide bases for evaluating programme outcome and impacts on society



National Bureau of Statistics

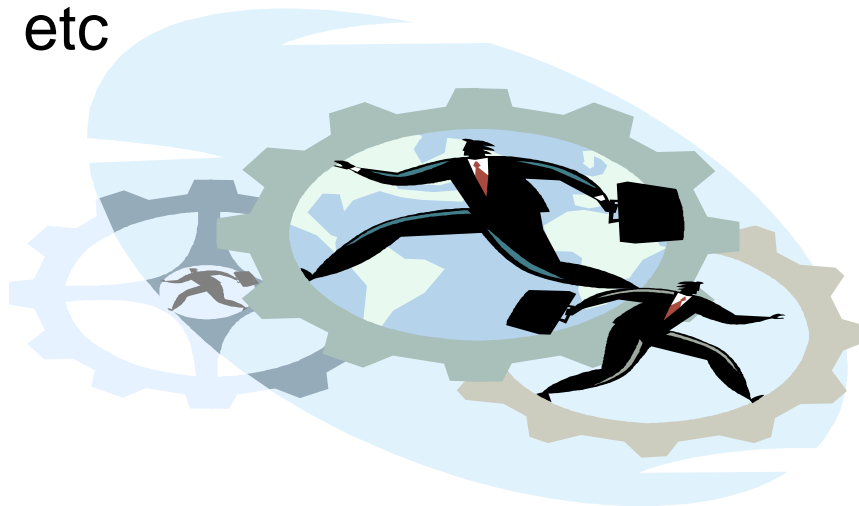
❑ Effects of Planning without Statistics

❖ Issues

- Accountability
- Transparency
- Openness
- Corruption
- Informed debate, etc

❖ Cost

- Wastages
- Inadequacies
- Poverty
- Instability, etc





❑ Recent Initiative in the Nigerian Statistical System (NSS)

- ❖ Statistics Strategies & new Legal Instrument
 - ✓ National Statistical Master Plan (NSMP)
 - ✓ National Strategy for the Development of Statistics (NSDS)
 - ✓ MDAs' Sector Statistics Strategy (**Transport sector**)
 - ✓ State Statistical Master Plan (SSMP)
 - ✓ New Statistics Act
 - ✓ State Government Statistics Edicts





Recent Initiative in the Nigerian Statistical System (NSS)....

Federal level

Extraordinary **Statistics Act**



Federal Republic of Nigeria Official Gazette

No. 60 Lagos - 11th June, 2007 Vol. 94

Government Notice No. 39

The following is published as Supplement to this Gazette:

Act No.	Short Title	Page
9	The Statistics Act, 2007	A 119-138

State level

Statistics Edict

20 states have Statistics Edict in Place

Abia	Kwara
Anambra	Niger
Cross River	Ogun
Delta	Ondo
Edo	Oyo
Ekiti	Rivers
Enugu	Sokoto
Gombe	Zamfara
Imo	
Kaduna	
Kano	
Kogi	



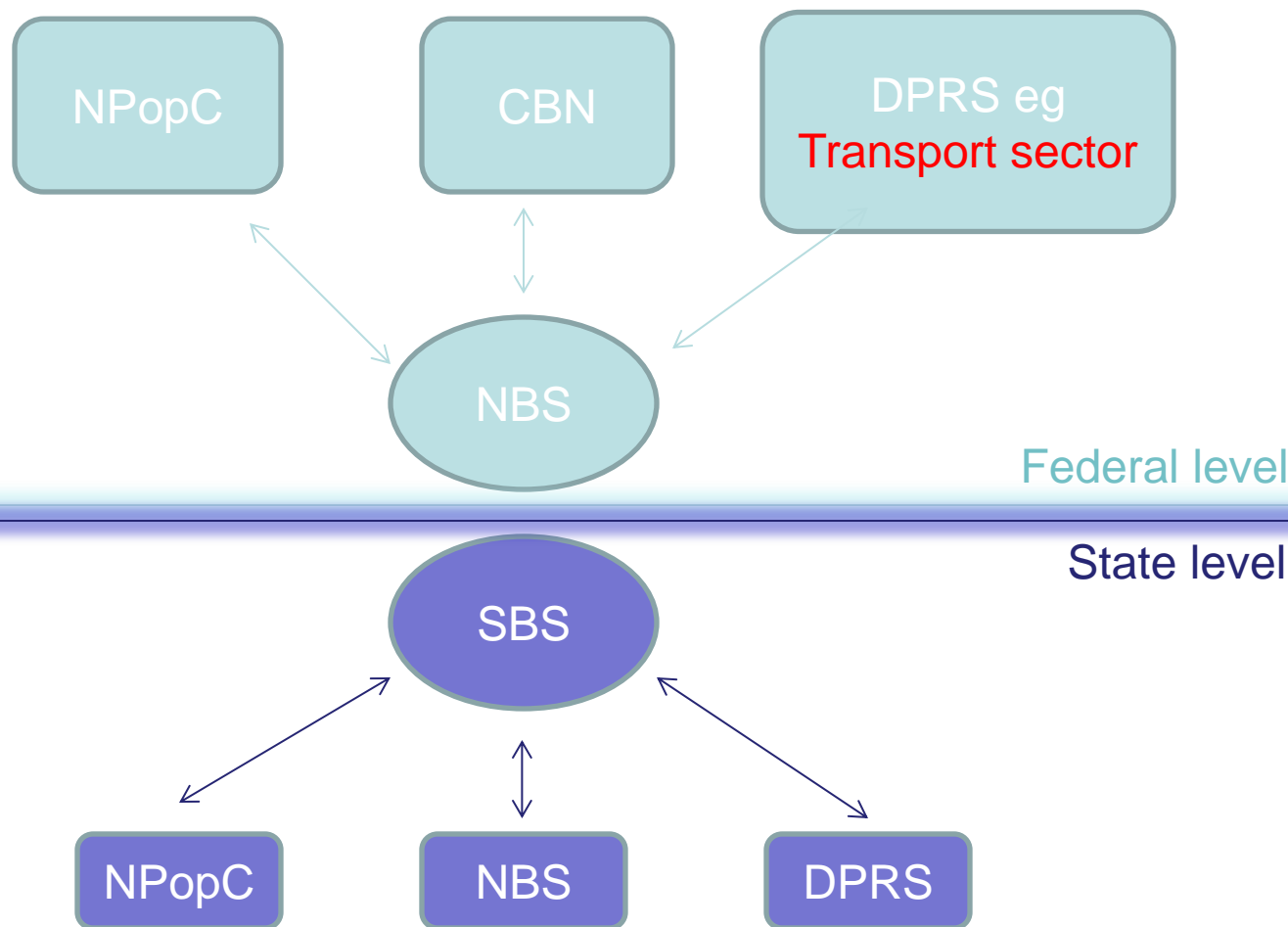
National Bureau of Statistics





Recent Initiative in the Nigerian Statistical System (NSS)....

❖ Improved Statistical Coordination



National Bureau of Statistics





□ Recent Initiative in the Nigerian Statistical System (NSS)....

□ Establishment of Bureaus of Statistics

Federal level

State level

NBS

SBS

22 states only:

Abia
Anambra
Cross River
Delta
Ekiti
Enugu
Gombe
Imo
Kwara
Kaduna
Kano

Kogi
Lagos
Niger
Ondo
Oyo
Plateau
Sokoto
Zamfara



NATIONAL BUREAU OF STATISTICS



National Bureau of Statistics



❑ Recent Initiatives in the Nigerian Statistical System (NSS)...

- ❖ Clearing of backlog of data
- ❖ Filling of gaps in data production
- ❖ Conduct of mass Surveys and Censuses
- ❖ Emphasis on Administrative Statistics (The Compendium of Statistical Terms)
- ❖ Rebasing of the nation's GDP from 1990 base year to 2010, thereby bringing in new sectors such as
 - ✓ Arts, Entertainment & Recreation
 - ✓ Information & communication
 - ✓ Professional, Scientific & Technical Activities
 - ✓ Etc.



❑ Recent Initiatives in the Nigerian Statistical System (NSS)...


- ❖ Improved data production process & tool for data Management
 - ✓ Digitalized EA Maps
 - ✓ Scannable Questionnaires
 - ✓ Modern tools for data collection (GIS, GPS Technology)
 - ✓ Scanners for data processing
 - ✓ Powerful tools and Advance software application for data analysis.
 - ✓ National Data Centre & NBS website

www.nigerianstat.gov.ng for world wide dissemination and


Archiving



National Bureau of Statistics



NATIONAL BUREAU OF STATISTICS



THE FEDERAL REPUBLIC OF NIGERIA

ABOUT US | OUR SERVICES | STATE INFORMATION | CAREERS | NSS | EVENTS | CONTACT US


WHO WE ARE

ORGANISATIONAL STRUCTURE

National Bureau Of Statistics

provides comprehensive, timely, relevant, responsive and customer focused Statistical information

[read more](#)




Latest News | Initializing RSS scroller... | NBS Data Portal

Did You Know...

Real Estate contributed 2.03% to the GDP in Q2, 2012?

Message From SG | Data Release Calendar | NBS Data Portal | Press Center



Dr. Yemi Kale
The Statistician General of the Federation and Chief Executive Officer
National Bureau of Statistics.

Welcome to the new website and data portal of the National Bureau of Statistics (NBS), the main statistical agency and custodian of official statistics in Nigeria! You will agree with me that the need for accurate, timely and reliable statistics on various facets of our national life has been on the increase in recent times. In responding to this growing demand, NBS is making available online an expansive collection of data compiled over the years. This means that data that previously existed only in print, requiring laborious efforts, time and resources to obtain, analyse and report will now be accessible at your fingertips!

NBS Corporate HQ



Recent Initiatives in the Nigerian Statistical System (NSS)...

- ❖ Enhance quality data
- ❖ Enhance access to data

Communication Room



MDAs Server, UPS & Stabilizer Room



❑ Challenges

- Inadequate funding for statistical operations
- Apathy towards statistics by key stakeholders and decision makers
- Inadequate professionals in both statistical and Research fields
- Lack of application of Statistical findings in policy formulation and execution



□ Going Forward

Improved
Funding
through
Government
and Donors

Increase in
statistical
awareness
through
intensive
advocacy

Embracing
the culture of
evidence

High political
will to support
statistical
development
and Research
work

Increased
training and
re-training of
professionals
in the fields of
Statistics and
Research

❑ Conclusion

- ❖ Transport Statistics is critical in the design and implementation of national development framework
- ❖ Reliable and timely transport statistics needed for measuring the sector performance
- ❖ It is important that all stakeholders are carried along in the production of Statistics and in particular Transport Statistics

THANK YOU



National Bureau of Statistics

