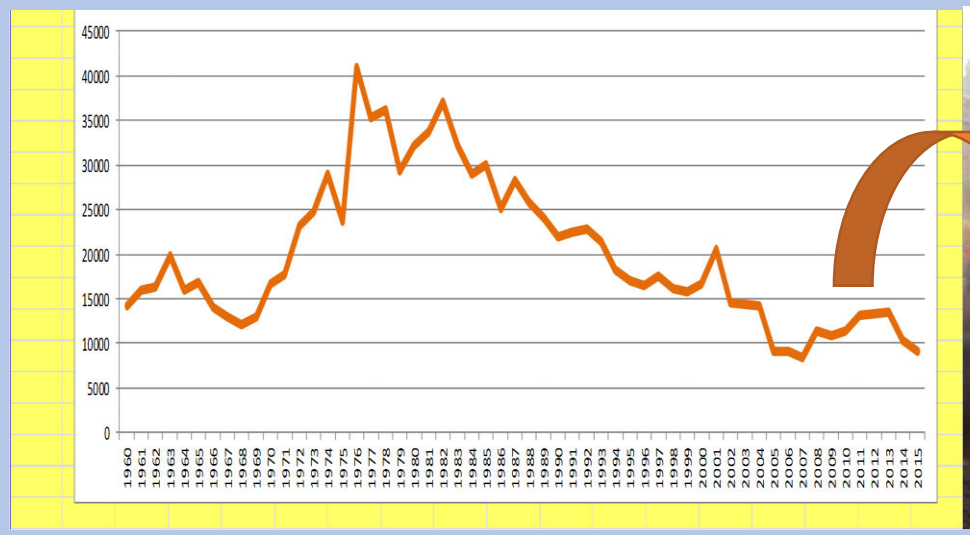
# FEDERAL ROAD SAFETY CORPS

## *DATA GATHERING: A PANACEA TO NATIONAL SECURITY*



*by*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A PRESENTATION
AT THE
MVA DEPARTMENT
2ND QUARTER
WORKSHOP

# Outline

- Introduction
- Aim and Objectives
- Definitions
  - Data
  - National Security
- Essence of Data
- FRSC Data
- Harnessing FRSC Data for National Security
- Conclusion

# INTRODUCTION

Data enables objective identification of a problem. It also guides deployment of personnel and equipment and finally provides a basis for monitoring progress (or even failure where applicable: indication of failure is also progress as it points out that a wrong solution was applied).

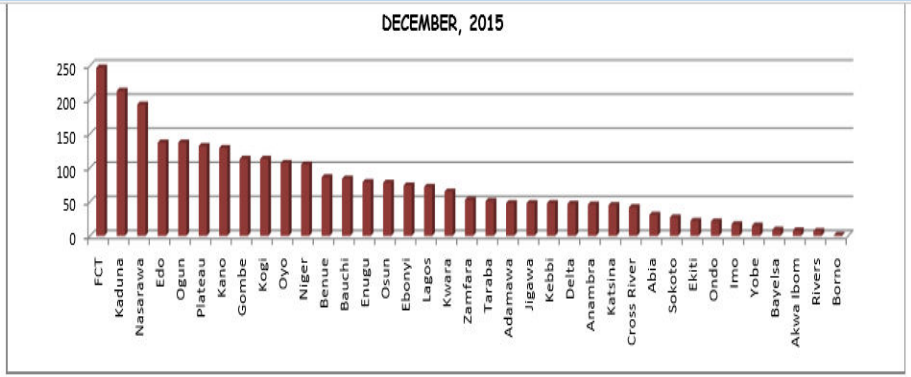
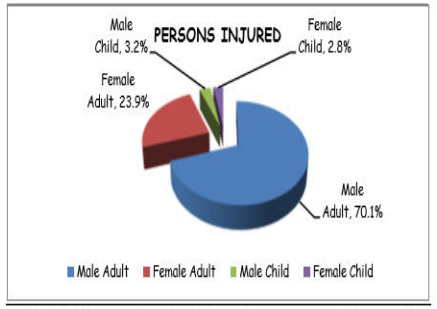



*Table and Chart showing the number and frequency of persons injured on State basis in the month under review with FCT recording 247 injured persons.*

TABLE 7: SEX DISTRIBUTION OF PERSONS INJURED IN RTC IN DECEMBER, '15

| SEX | Persons Injured | |
|---|---|---|
| | Frequency | Percentage |
| Male Adult | 1928 | 70.1% |
| Female Adult | 658 | 23.9% |
| Male Child | 87 | 3.2% |
| Female Child | 77 | 2.8% |
| Total | 2750 | 100.0% |




*Sex distribution of persons injured in terms of occurrence and proportion; Male Adult recorded the highest frequency (1,928 persons) and proportion (70.1%).*

# AIM

The aim of this paper is to expose participants to issues in data collection as key issue in National Security.

# OBJECTIVES

At the end of the lecture, participants should be able to

- Discuss the concept of data
- Identify different types of data in FRSC
- Discuss the relevance of FRSC data to National Security

# DEFINITIONS

## DATA

The word *"data"* originated from Latin. It is the plural of the word *"datum"*: which is itself derived from the root "dare", i.e. something that is given. Stated in other words, Data collection is the systematic approach to gathering and measuring information from a variety of sources to get a complete and accurate picture of an area of interest.

## DATA COLLECTION

**Data** collection enables a person or organization to answer relevant questions, evaluate outcomes and make prediction about future probabilities and trends.

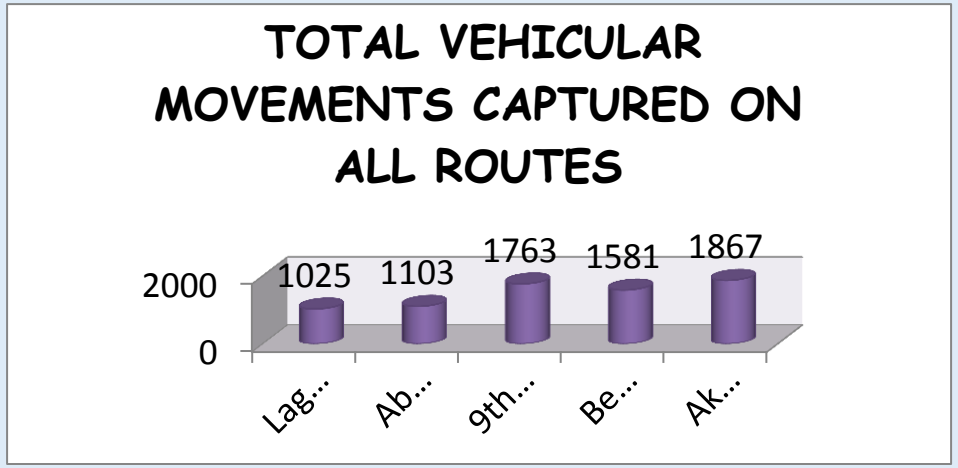
# NATIONAL SECURITY

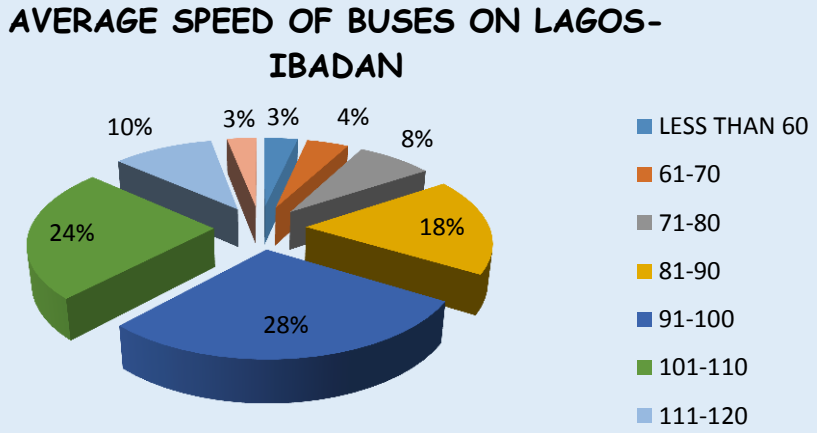
National security is a collective term for the defense and foreign relations of a country, protection of the interests of a country.

A broader concept of National Security is that a government should protect the state and its citizens, against all kind of "national" crises, through a variety of power projections, such as political power, diplomacy, economic power, military might, and so on.

# CONCEPT OF DATA

Understanding of the concept of data is necessary, especially in the context of an ever increasingly complex world with its corresponding need for evidence based decision- making and management of human activities. Data analysis enable breakdown of complex problems into manageable units by consideration of basic factual details. Data processed yield a wealth of information upon which sound decisions and problem solving actions may be based.



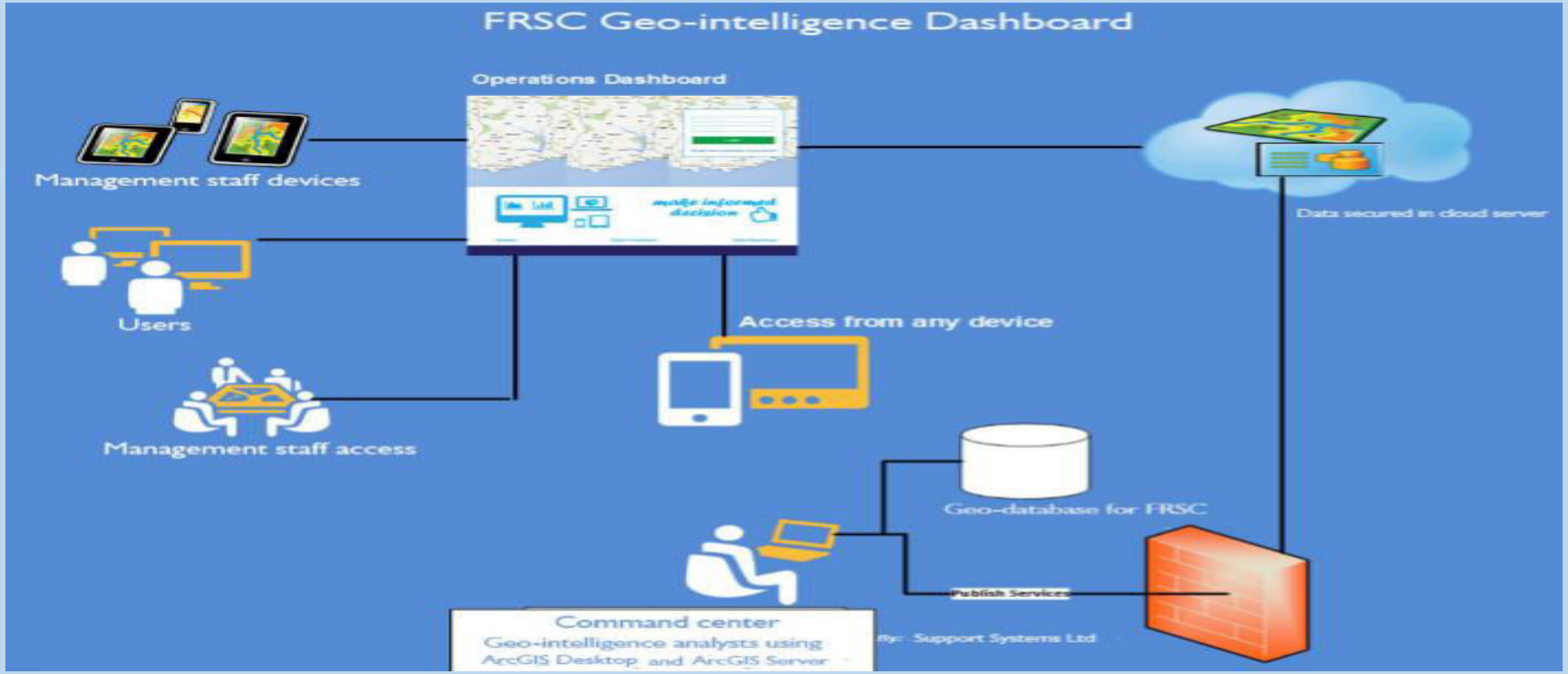




A processed data for decision making

# FRSC DATA

FRSC is an evidence based organization that depends greatly on data for her decision making. Consequent upon this, all the departments, Corps Offices and formations nationwide are actively involved with data collection, collation and analysis in one form or the other.

Flow of data collection, processed and usage



Data collection in FRSC can be summarised under the 6Es that form operational strategy in the Corps and with the advent of social media and several devices recording human activities, BIG DATA is also of essence.

Education

Manpower Development

Public enlightenment

Rallies conducted

Offenders trained

Social media

# Engineering

Vehicle Administration
•Registration
•Safety etc

Fleet and operators
•Passengers manifest
•Certification
•Parks and Terminals

Free vehicle safety checks

Categories of vehicles involved in RTCs

Implementation of speed limiters records

# Emergency Management Services

Emergency calls data

Ambulance services

Health facilities

RTC Data

# Environment

Data on Black spot analysis

Mapping

Traffic count

Road Safety Audit

# Enforcement

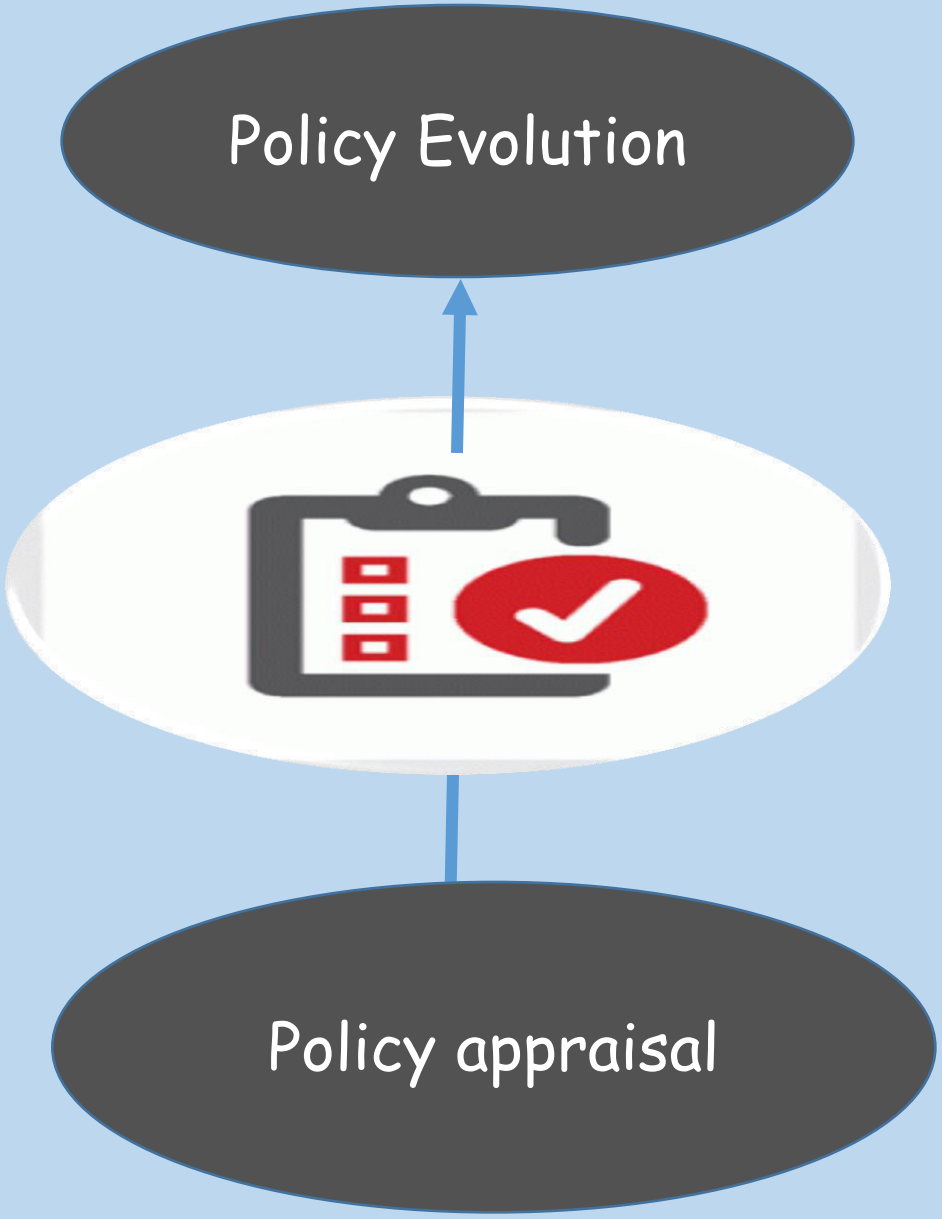
Operational activities

Enforcement infrastructure eg weigh bridges

Location information,eg GPS

Arrest records

# Evaluation



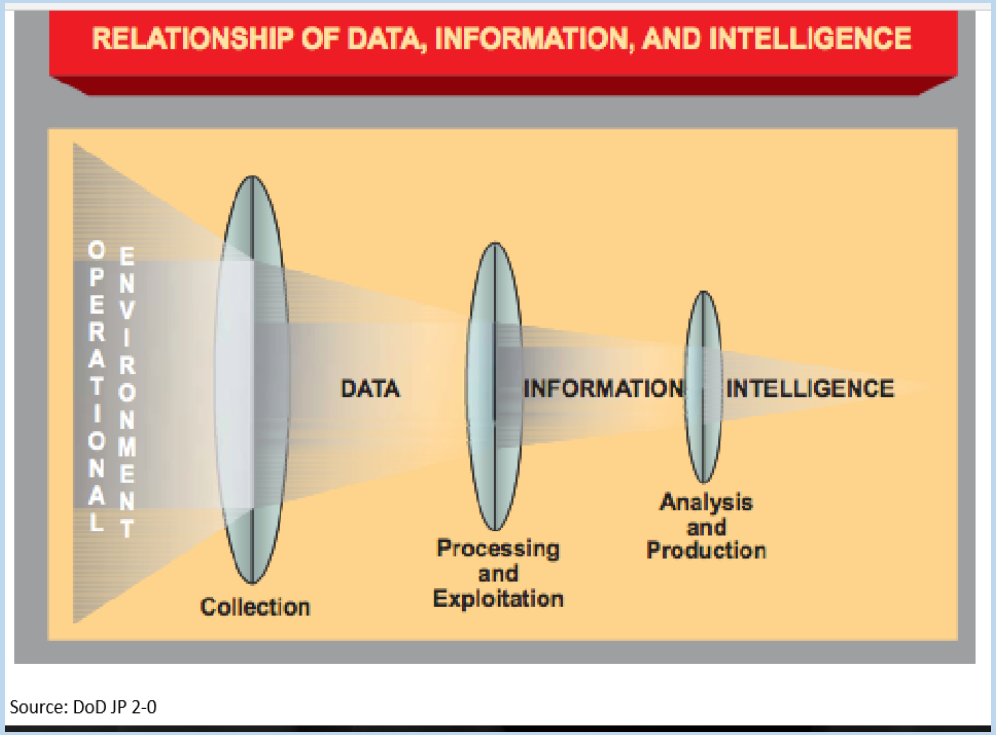
# BIG DATA

A lot of Data (HUGE) is now collated through our daily activities which span social media, several devices in use such as Smart Phones, trackers, wellness and Medical devices that can be used in collating information about us. These can also be used in security matters. Many of these are available in FRSC.

# HARNESSING FRSC DATA FOR NATIONAL SECURITY

Crimes are committed by people hence, information that could be gathered in combating crime in the society must be harnessed.

The data gathering, processing and dissemination are relevant to National Security




Source: DoD JP 2-0

Data is  important in national defense and security. Our society is suspicious of intrusions on personal liberties. Data on identity cards, vehicle data, occupants and destination are crucial in securing a nation.

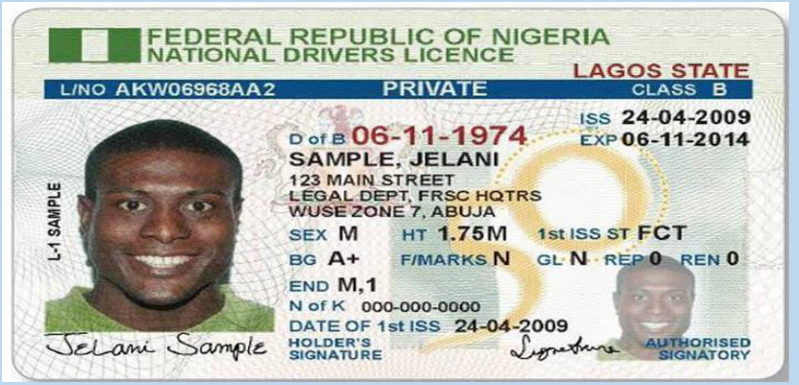
In recent actions in the War on Terror, intelligence analysis from data gathering has played a critical role in both offensive and defensive operations. It is important to collect, decipher, package, prioritize, disseminate, and act upon everything from the vehicle, identity of the actors, and the route analysis.

Transport is very critical to National Security, crimes are accessed with motorised or non-motorised vehicles which aid the movement of the perpetrators in getting in and out of the scenes.

In as mush as transportation is important, proper identification of vehicles, the owners as well as the occupants are relevant data for detection and prevention of crime. Therefore, FRSC Data is critical to National Security

The NULS products enable biometric data which authenticate the unique human features such as finger prints, eyes, the face, signatures etc for the purpose of recognizing and verifying peoples identity. The efficacy of data collected through biometrics is a major determinant in unveiling the true identities of criminals.

These products were introduced to create a reliable database and also ensure national security. The new robust and comprehensive database will ensure that crimes committed with vehicles can be tracked, insiders abuses are curbed, revenue losses are eliminated and, the integrity of the scheme enhanced



Free flow of traffic guarantee serenity, devoid of crime while traffic congestion/hold-up enhance crime activities. One of the mandate of the Corps is to clear obstructions and ensure free flow of traffic, thereby preventing crime. Traffic volume data assist in traffic management and invariably has influence on National Security

The Nations  security can not be separated from the movement of the people. The pattern and direction of movement is critical. FRSC is  one of the first and regular contacts on the Road among other security operatives . The Corps often detects and reports crimes before they actually happen. eg the recent discovery  of arms in a crash vehicle in Kaduna State by FRSC Patrol team. Child trafficking and large quantities of cannabis were also discovered by other teams.

The activities at the parks/terminals are constantly monitored through the passengers manifest  and regular public enlightenment.

Vehicles owned by individuals captured on the database, could serve as intelligent reports on money laundering and individuals living above their means and whose activities are potent danger to National Security

# FRSC data for measuring National Planning and Development/National Security

- Statistical data on RTC
- Percentage lost to GDP due to RTC
- Information on vehicle ownership- to determine economy profile

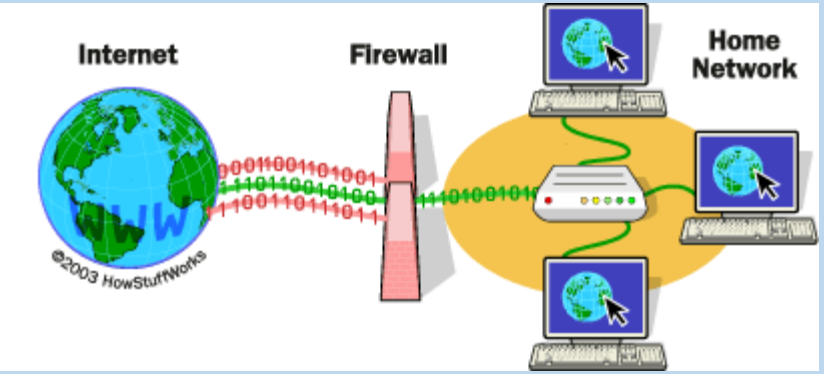
FRSC collaborates with relevant agencies in the areas of crash data sharing, data on suspected stolen vehicles and drivers through the driver's license and vehicle registration.

# PROTECTION OF DATA, FACILITY AND PERSONNEL

Protection of our data, men and facility is critical.

**NOTE**

Once criminals realize the importance of FRSC in detecting crimes and arresting perpetrators of crimes, FRSC and its personnel can be subject of attacks, so let us ensure **proper** protection



# Conclusion

Globally, evidence-based decision has been identified as the life wire of a nation and organizational performance and productivity. Those that mostly benefit from these are service providing organizations like the FRSC. The continuous reliance of the  Corps on evidence based decision and policy formulation occasion by quality data collection and analysis will in no doubt double her impact and ensure the fulfillment of her mandate and contribution to national security. Proper use of data enhances the quality of our decisions. Issues bothering on security are so important hence our analysis of the situation must be correct for factual inferences to be made.

"Most People Use
Statistics
The Way A Drunkard
Uses
A Lamp Post
More For Support
Than Illumination"

- Mark Twain

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THANK
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