

Africa Regional World Summit for Information Society (WSIS) Follow-up and Annual Review.

Theme: Information and Communication Technologies for achieving the Sustainable Development Goals and the Expert Group Meeting (EGM) on Fostering African private sector in the Big Data era.

GROUP 4

SESSION 4:

THE BIG DATA VALUE CHAIN

Moderator: NLEND RAPHAEL, Technical Advisor N.1, CAMEROON/MINPOSTEL

Introduction of Topic:

As data is now the new Oil in the fourth Industrial revolution; Big Data is essential in producing valuable data that can be utilized or monetized. The benefits of utilization helps in decision making for governments, businesses, and civil society entities. On the other hand, monetization helps in socio-economic growth.

Big Data consists of a subset of processes, known as the value chain. The chain consists of the input, Transformation processes and output. The input deals with the acquisition (creation and collection) of data, while the transformation process focuses on Data analysis and Curation and finally the output is either stored or utilized for decision making.

The following lines present challenges and recommendations related to the concerned issue.

Key challenges:

- ❑ Data Sovereignty issues,
- ❑ Lack of Expertise ,
- ❑ Lack of resources ,
- ❑ Lack of legal and regulatory frameworks related to Data protection and Privacy.

Four recommendations:

- ❑ Review or establish legal and regulatory frameworks on Data at regional and national levels,
- ❑ Develop transmission infrastructure and data centers at regional and national levels,
- ❑ Establish a data management and processing management organization at regional and national levels,
- ❑ Build expertise of people including the Youth on Big Data.

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SESSION 8:

Use of Big Data in Government – Opportunities for Business and Innovation

Moderator: NLEND RAPHAEL, Technical Advisor N.1, CAMEROON/MINPOSTEL

Introduction of Topic:

Big data is already an indispensable tool for gathering data necessary for increasing incomes and adjusting government policies. But the lack of skills in processing these data render the collaboration with the private sector an imperative necessity. The lines which follow present the challenges and the recommendations.

Key challenges:

- ❑ Sustainability of the Collaboration between the government and the private sector,
- ❑ Threat on Sovereignty of Data,
- ❑ Data Protection and Privacy issues.

Four recommendations:

- ❑ Establish a public agency to rule the big data inside the administration which will serve as a gateway for the private and innovation sector,
- ❑ Establish government datacenters at national and regional levels to store government data ,
- ❑ Establish a government data charter with requirements to be fulfilled by the private sector.
- ❑ Design and implement adequate training curricula for new generation of citizens at primary, secondary and higher levels

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SESSION 8:

Legal and regulatory frameworks– Addressing issues of data protection, privacy and cybersecurity for the Big data business

Moderator: NLEND RAPHAEL, Technical Advisor N.1, CAMEROON/MINPOSTEL

Introduction of Topic:

The formulation and adoption of the legal and regulatory frameworks on Data protection, privacy and cybersecurity is paramount to the effective roll out of Big data business in the region .

Essentially, to involve the relevant stakeholders from the top and granular levels is vital to ensure the roll out is done carefully. Therefore, we would review the key challenges and recommendations in the next slides.

Key challenges:

- ❑ Awareness issues at national and regional levels,
- ❑ Less secure capability of handling data at national and regional levels,
- ❑ Mastering the monitoring of data system,
- ❑ Protection of critical infrastructures and information system of States.

Four recommendations:

- ❑ Formulation or adoption of legal and regulatory framework on data protection at national and regional levels,
- ❑ Establishment of a commission in charge of data protection at national level ,
- ❑ Adopt GDPR (General Data Protection Regulatory) framework at regional level, adapt and adopt it in national level,
- ❑ Ensure Data localization.

Group 4 Members:

- Moderator: NLEND Raphael, Technical Advisor N.1, CAMEROON/MINPOSTEL.

- 1: MASSAMBA Badiane (SENEGAL),
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THANK YOU

