

PILOT PROJECT

BIG DATA - FOR MEASURING THE INFORMATION SOCIETY

Gaborone, Botswana



vive **digital**
para la gente



BACKGROUND

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BACKGROUND



- 32 Departments + Capital District
- Population: 48 Million
- Surface area: 1.2 million km²
- Population Density: 43 hab./km²
- GDP per capita: US \$ 6,100
- Mobile lines: 58 Million
- Susc. Fixed Internet: 5.7 Million
- Susc. Internet Mobiles: 8.6 Million
- Mobile Internet access on demand: 12.6 Million
- Internet users: 56%

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NATIONAL ENTITIES

- National Planning Department
- National statistical department
- Industry and trade superintendence

SECTORAL ENTITIES

- Regulator of Communications
- National Spectrum Agency
- National Television Authority



STATISTICAL ENVIRONMENT

- Statistical Law
- Information Reports
- Integral information system
- ICT Statistical Portal
- Draft Decree
- ICT Statistical Commission

SUPPLIERS OF NETWORKS AND SERVICES

- CLARO (49%)
- MOVISTAR (23%)
- TIGO-UNE (20%)

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BACKGROUND



NEW INDICATOR

BD16+ – Priority 1: Density of population census block level

FIELD	DESCRIPTION		
LAU_CODE	DIVIPOLA Code	Political map of Colombia at different levels	
TYPE_URBAN_RURAL	Rural or urban classification	Political map of Colombia at different levels	
CDRs	Event logs (TIME ,TYPE_EVENT, CELL_ID's, ID's)	Features CDR	
CELL_ID	Antenna ID	Characteristics of network antennas and their coverage	

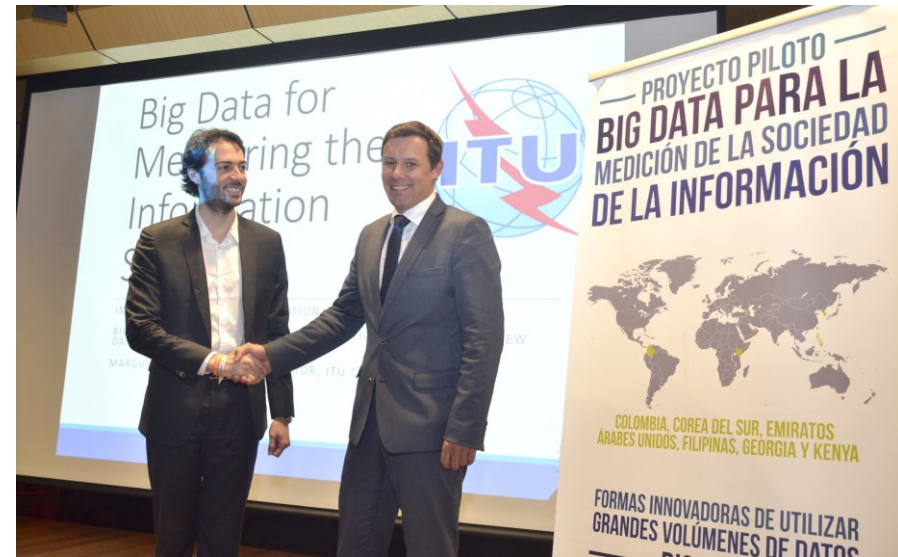
Expected results:

- Number of mobile users per block

MECHANISM OF COORDINATION PUT IN PLACE

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VISIT OF THE ITU WORLD COORDINATOR FOR THE PILOT PROJECT SEPTEMBER 7 - 9, 2016



The Ministry of Information and Communication Technologies is the coordinator of the project in Colombia.

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COORDINATION



- The Ministry of Information and Communication Technologies is the coordinator of the project in Colombia.
- All communication with those involved in the project is done by email.
- To make decisions and resolve doubts about the project, a meeting is called.
- The decisions are formalized through formal communications from telecom operators to the ICT Ministry

CHALLENGES ENCOUNTERED IN EVERY STEP OF IMPLEMENTATION

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Meeting for the
definition of the
processing model
(PRST)

2 Nov.

- PRST does not have staff or budget for the project as it is the end of the year.
- They express commitment and interest for the project.
- The project must not end by December 2016..

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CHALLENGES



Meeting for the
definition of the
processing model
(PRST)

2 Nov.

MINTIC formally requested:

- Commitment to the Project.
- Selection of the processing model.
- Estimation of the capacity required for the storage of data.
- Date of access to the data.

PROGRESS MADE SO FAR

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PROGRESS MADE SO FAR



November

11

- **Commitment to the Project.**
CLARO (49%) – MOVISTAR (23%) – TIGO UNE (20%)
- **Selection of the processing model.**



- Estimation of the capacity required for the storage of data.
- Date of access to the data.

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PROGRESS MADE SO FAR



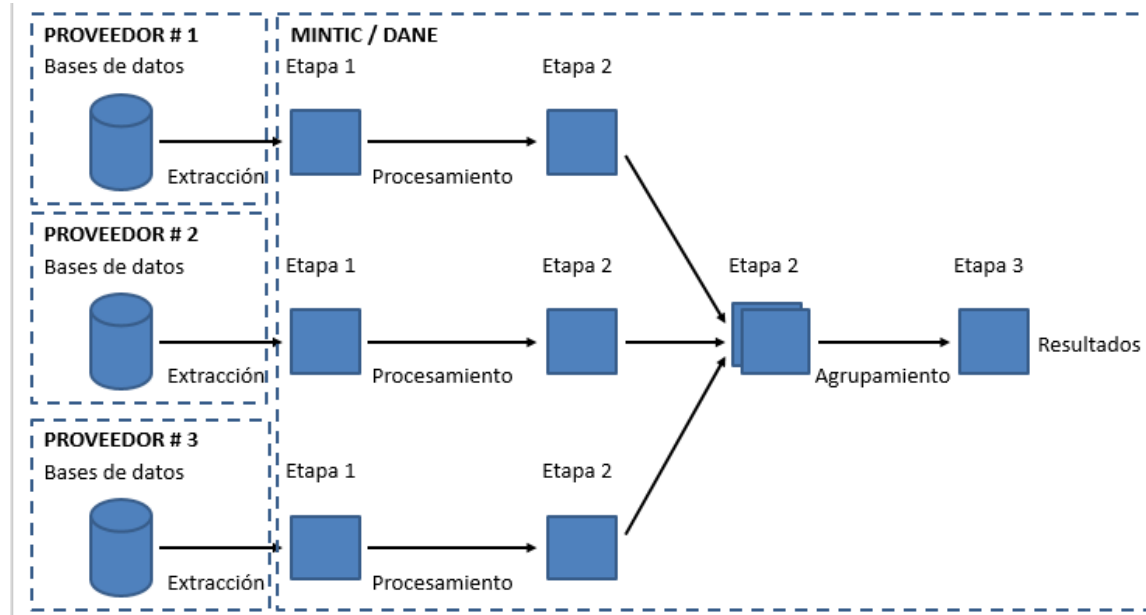
November

11

- **Commitment to the Project.**

CLARO (49%) – MOVISTAR (23%) – TIGO UNE (20%)
Market Share

- **Selection of the processing model.**



- Estimation of the capacity required for the storage of data: **5 Terabytes**
- Date of access to the data: **15 April**

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PROGRESS MADE SO FAR

November

11

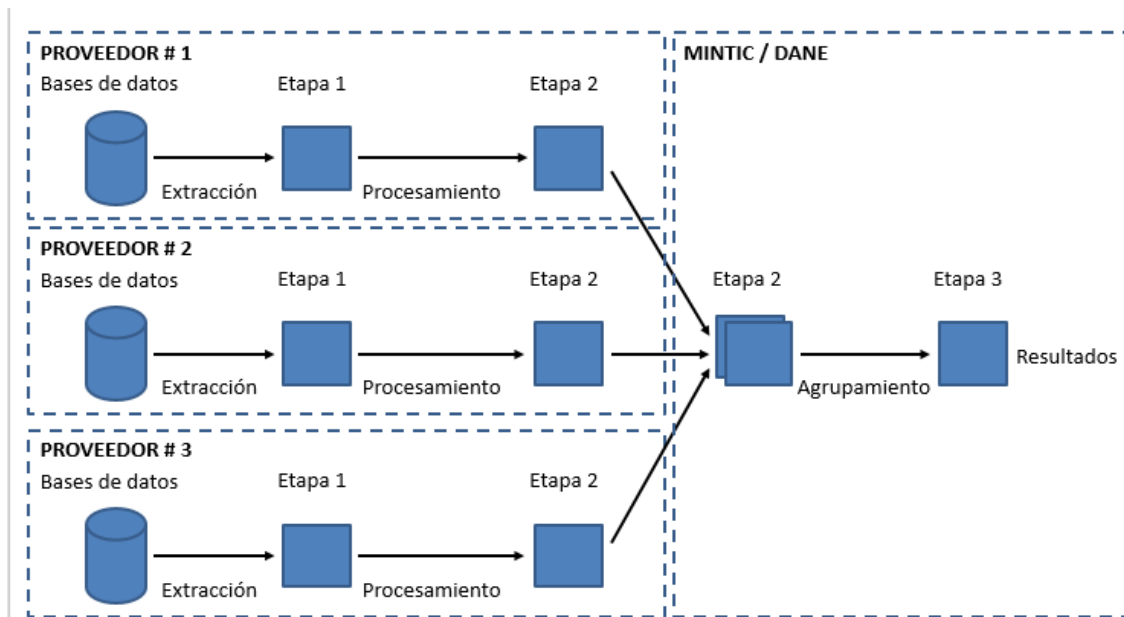


- **Commitment to the Project.**

CLARO (49%) – **MOVISTAR (23%)** – TIGO UNE (20%)

Market Share

- **Selection of the processing model.**



- Estimation of the capacity required for the storage of data.

- Date of access to the data: **15 March**

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PROGRESS MADE SO FAR

November

11

- **Commitment to the Project.**

CLARO (49%) – MOVISTAR (23%) – **TIGO UNE (20%)**
Market Share

- **Selection of the processing model.**



Lack of staff to assign
to the project

- Estimation of the capacity required for the storage of data.
- Date of access to the data.



Lack of Budget to assign
to the project

FUTURE WORK

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FUTURE WORK

MINTIC

- Preparing the data center for storage and processing: **15 February**
- Coordinate with the National Statistical Entity for access to information of maps: **15 February**

TELECOMMUNICATIONS OPERATORS

Item	Claro (49%)	Movistar (23%)
Have budget and staff for the project.	30 January	30 January
Extract the information from your data centers	15 April	15 March
Report the information.	15 -30 April	15- 30 March
Processing model	2 (Mintic)	1 (Operator)

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2016

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