

**African Conference:
Transformative Agenda for Official Statistics**

**Libreville, Gabon
November 2015**

Session 2:

**Innovation and modernisation through standard-based statistical
business architecture**

Mr. António Duarte, President NSO Cabo Verde



Transformative Agenda for Official Statistics: Innovation and modernization through standard-based statistical business architecture

Akanda-Libreville, November 21st,2015

António Duarte – President NSO
Cabo Verde

Importance de la Statistique

Déclaration ministérielle - huitième Réunion Annuelle Conjointe du Comité Technique Spécialisé de l'Union Africaine sur les Finances

“(….) Les informations et les données - statistiques de haute qualité sont essentielles pour la bonne planification et la mesure des résultats du développement. L’Afrique doit produire ses propres données afin de pouvoir au mieux superviser et accompagner les objectifs économiques et sociaux, y compris les lignes et les objectifs de l’Agenda 2063. La révolution des données en Afrique donnera à notre Continent, l’occasion d’interagir avec les diverses communautés et d’adopter une gamme suffisante de sources de données, d’outils et de technologies innovatrices, qui permettront au Continent de produire des données désagrégées, en incluant les données désagrégées par genre, pour la prise de décision, la prestation de services et l’engagement des citoyens.”



The Future we want for Africa

AGENDA 2063

Unity, Prosperity & Peace



We are facing new challenges that should be seen as new opportunities.

Our policy makers are more sensitive to statistics.

Our users are more informed and demanding.

We need to prepare accordingly strengthening our National Statistics Systems.





National Statistics System Law

Promote new
thematics

- Should allow the creation of a system integrated by institutions with expertise in different fields.

Promote the use of
administrative
records

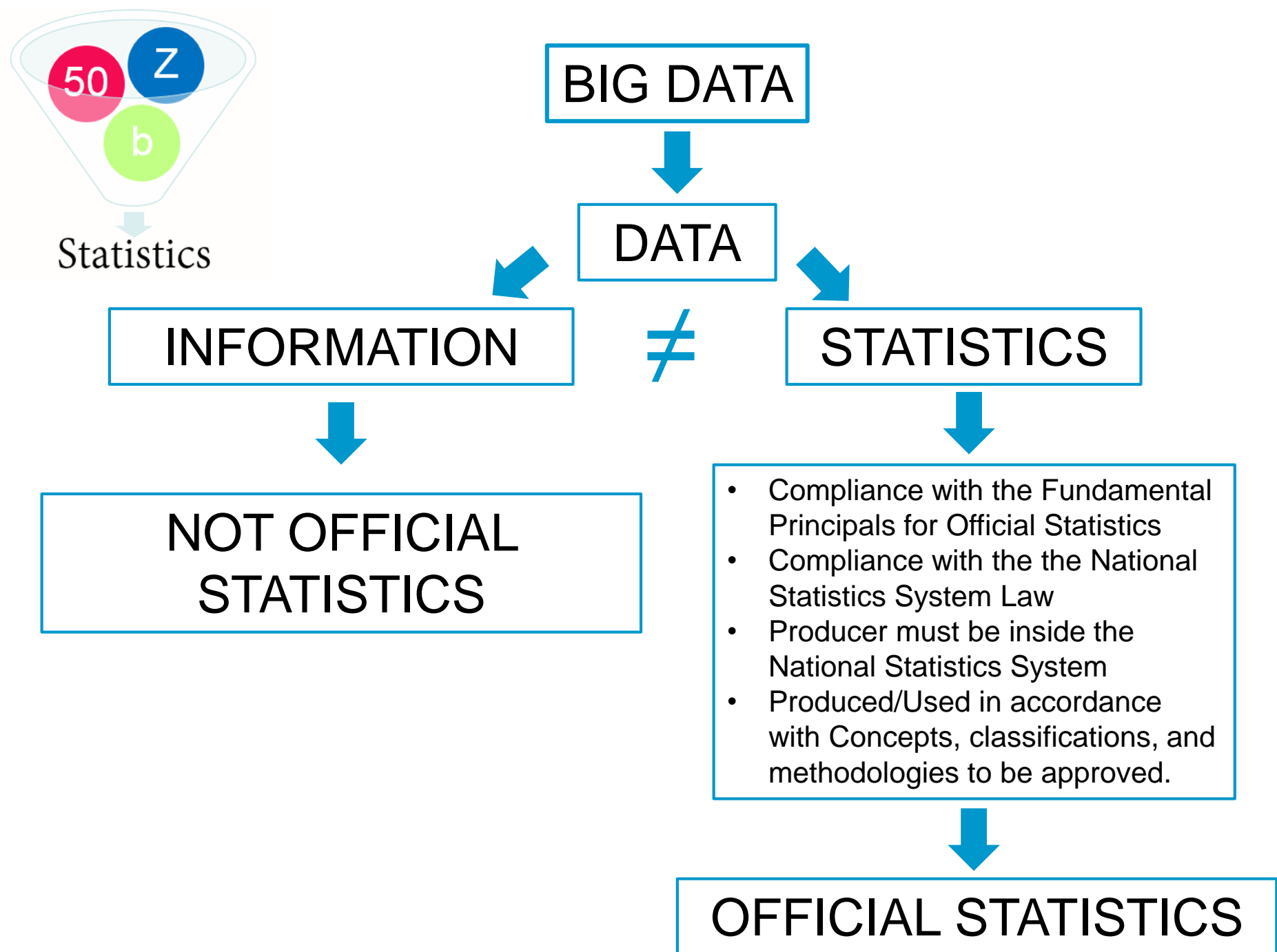
- The law should mandate the institutions to allow access of their administrative records to the national statistics system.

Facilitate the
system coordination

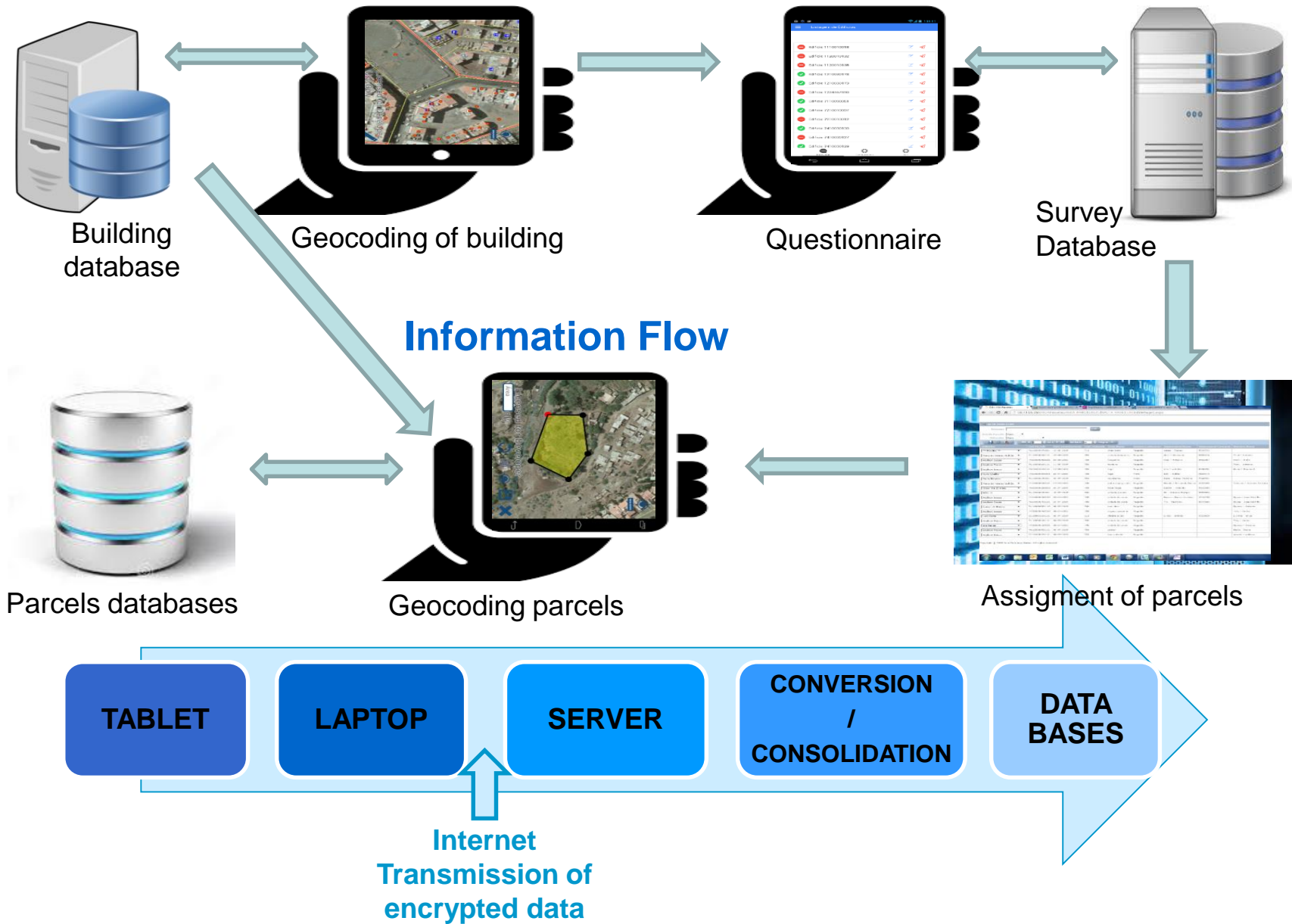
- The law should create a superior entity with the power to coordinate allow all institutions under the system.

Allow autonomy

- The law should guarantee financial autonomy.



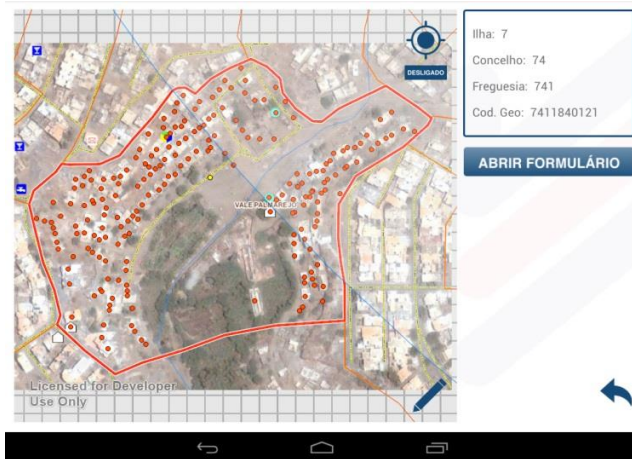
Innovation in data collection



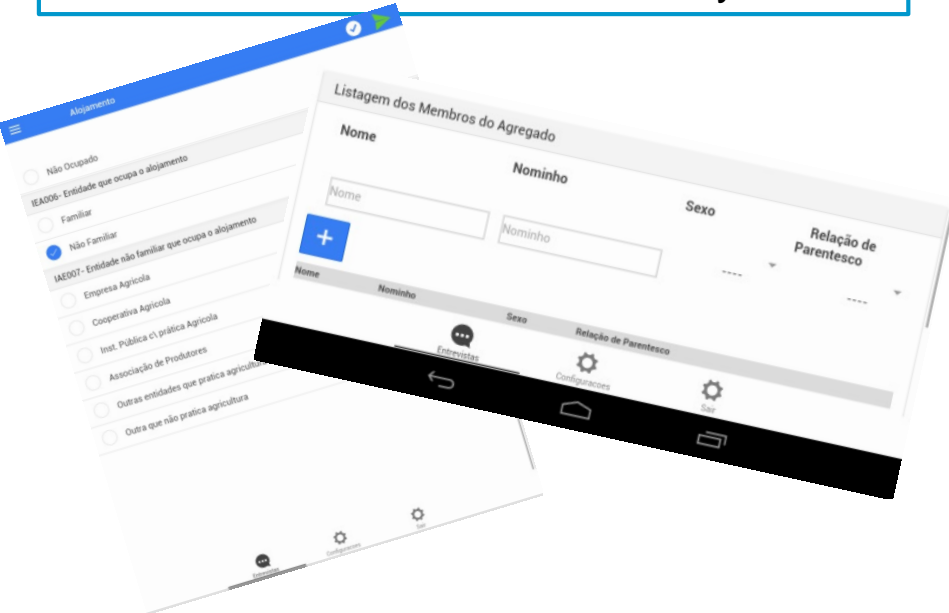
Innovation in data collection



Are we in the right place?



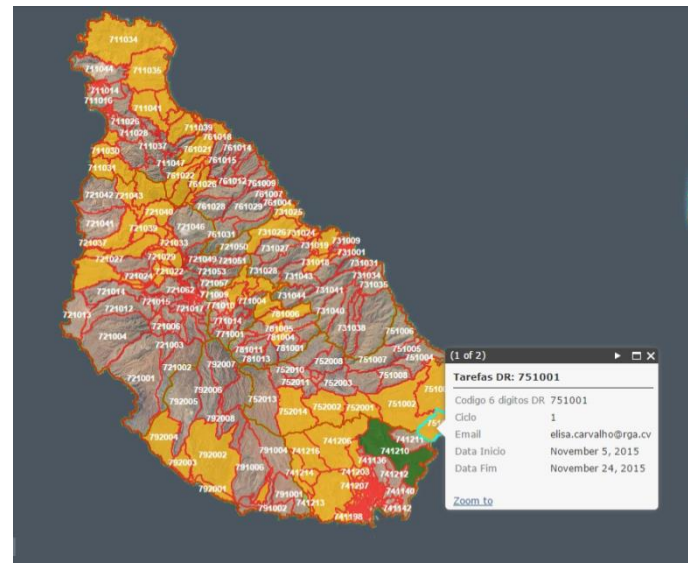
What else can we know about you?



How big is the parcel you're producing on?



How's the operation going?



Innovation in data collection



Are we in the right place?



Enumerators can verify their location through GPS guarantying that they are in the building they were assigned to.

In case of a new building they can georeference it updating the sampling database.

The headquarters can track the location of each enumerator.



Innovation in data collection

How big is the parcel you're producing on?



- Geocoding the agriculture parcels we can:
- Accurately map them, allowing geomorphological and geo-climatic analysis;
 - Calculate the productivity index by type;
 - Link the parcel information with the household information.

Innovation in data collection



What else can we know about you?

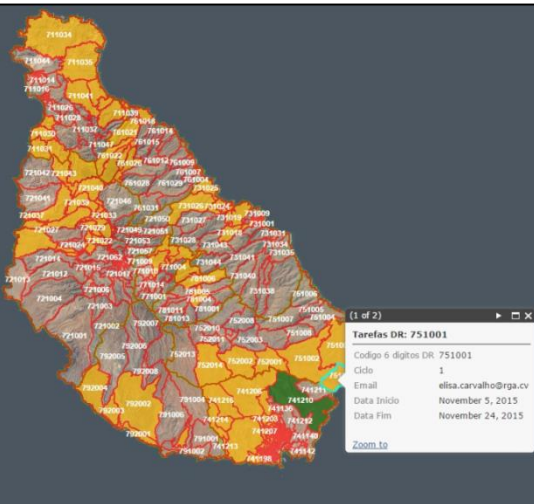
A screenshot of a mobile application interface for data collection. The top section is titled "Alojamento" and contains several radio button options: "Não Ocupado", "IEA006- Entidade que ocupa o alojamento", "Familiar", "Não Familiar", "IAE007- Entidade não familiar que ocupa o alojamento", "Empresa Agricola", "Cooperativa Agricola", "Inst. Pública c/ prática Agricola", and "Associação de Produtores". Below this is a section titled "Listagem dos Membros do Agregado" with a table structure. The table has columns for "Nome", "Nominho", "Sexo", and "Relação de Parentesco". There are input fields for "Nome" and "Nominho" and a blue "+" button. At the bottom, there is a navigation bar with icons for "Entrevistas", "Configuracoes", and "Sair".

The information collected is verified and validate in a first instance, through a set of alerts and controls.

Innovation in data collection



How's the operation going?



Configurações Segurança Entidades Utilizadores Adilson Correia

Distribuir Exportar Criar

17 Não iniciado

0 Terminado

19382 A decorrer

Lista de V Recenseamento Geral da Agricultura - RGA 2015

Referência	Estado	Data de criação	Data de modificação
Ponto 8110069984	A decorrer	2015-11-20 09:25:40.0 por António Centelo da Veiga	2015-11-20 09:25:40.0 por António Centelo da Veiga
Ponto 8110060208	A decorrer	2015-11-20 09:25:25.0 por António Centelo da Veiga	2015-11-20 09:25:25.0 por António Centelo da Veiga
Ponto 8110060005	A decorrer	2015-11-20 09:25:18.0 por António Centelo da Veiga	2015-11-20 09:25:18.0 por António Centelo da Veiga
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Ponto 1210010096	A decorrer	2015-11-20 09:24:29.0 por Iva Maria Rocha Alves	2015-11-20 09:24:29.0 por Iva Maria Rocha Alves

A decorrer

I.1 - Identificação do Edifício

A decorrer

I.2 - Identificação do Alojamento

A decorrer

II - Agregado

A decorrer

II.1 - Membro do Agregado - Características Socio-Demográficas e Económicas do Membro do Agregado

A decorrer

III e IV - Caracterização e Localização da Parcela Agrícola e Culturas

A decorrer

Innovation in administrative data

“Data bank” does not mean database for statistical purposes, we need:

- New “data banks” should be developed in **dialogue with the National Statistics System**;
- Different systems that produce data for the same domain should be developed in an integrated manner that allows **communication** between systems (e.g. Databases from Police, Courts, Prisons).

Changes in the system should be carefully considered, since adoption of new systems can rupture a series of data.

National Expertise in IT to maintain and upgrade the different databanks.

Innovation in Dissemination

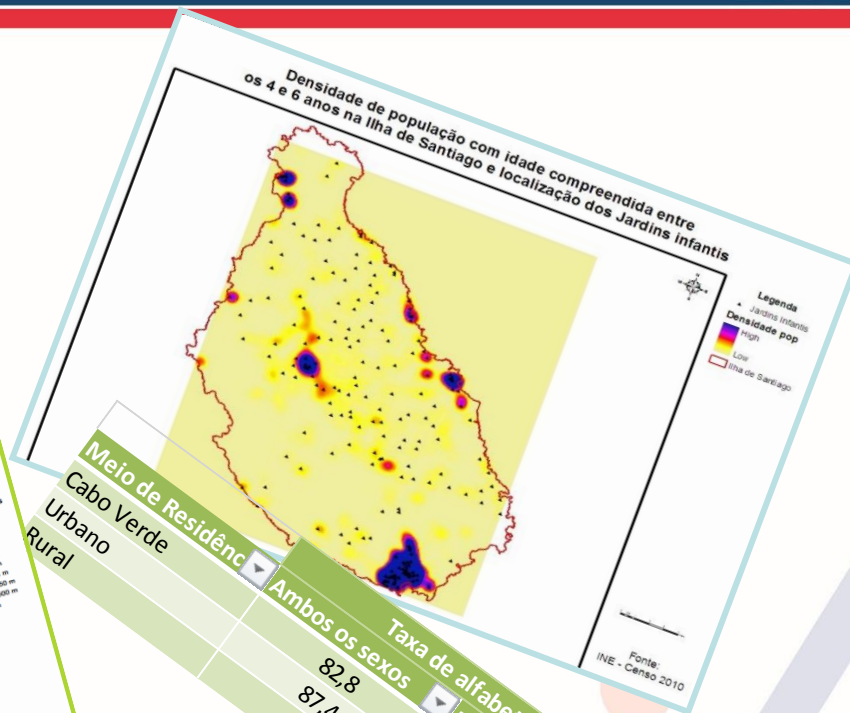
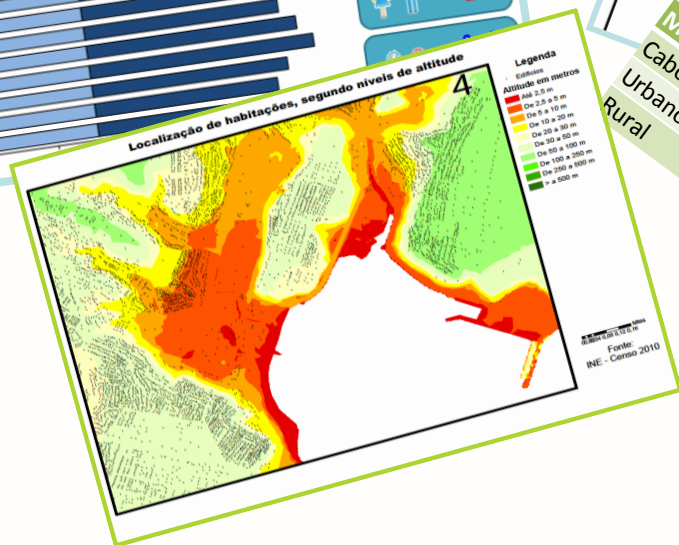
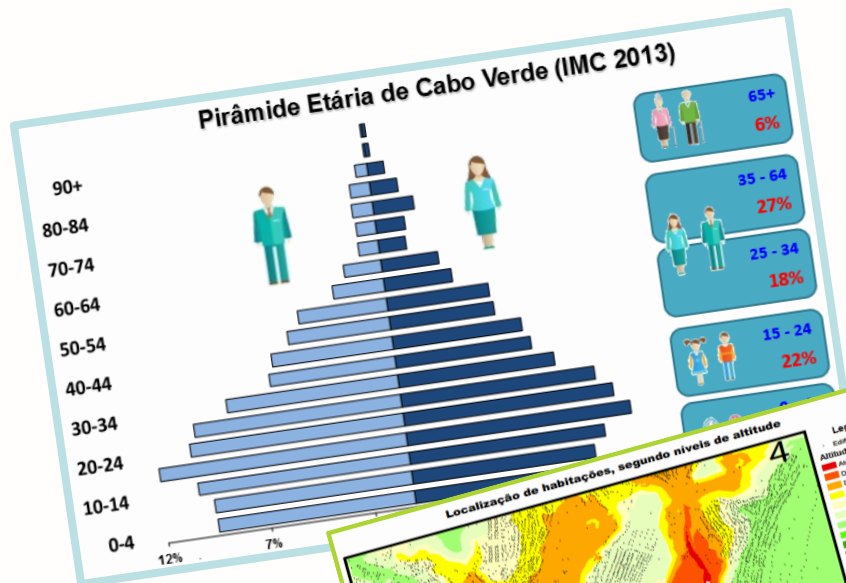


50 African Countries have a website. We need to go beyond.

NSOs respond according with user requests. We need to take the information to users before they request it.

There's several portals to choose from : DevInfo, Dataportal, ArcGIS...

We need to choose in accordance with our needs and capability to keep them updated.



Meio de Residência	Taxa de alfabetização 15+	
	Ambos os sexos	Feminino
Cabo Verde	82,8	88,4
Urbano	87,4	91,6
Rural	75	82,7

Coordination and Cooperation



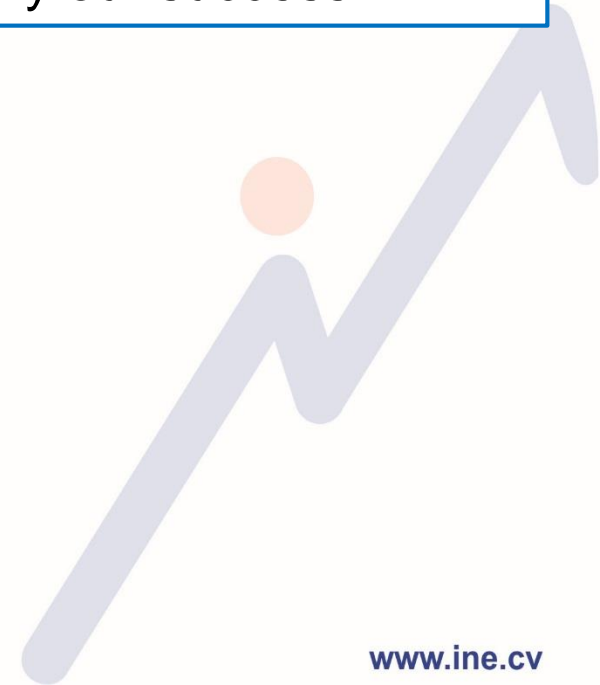
Africa is rich in regional organizations. Although the benefits are clear, we tend to harmonize inside a region, but not between regions. To enhance cooperation inside the continent we need:

- **Harmonization of methodology and standards.** This is possible through the Strategy of Harmonization of Statistics in Africa (SHaSA).
- A strong, capacitated, well staffed, and well funded continental institution capable of collecting the best continental practices and promote collaboration between countries, specially in terms of expertise in specific domains (IT, CRVS, Tourism Satellite Account, Environment Statistics...). A **continental Institute of Statistics** is one possible mechanism.

Coordination and Cooperation



- Better knowledge of continental best practices which is achievable through **indepth diagnosis of country experiences**. One example is the African Development Bank evaluation of National Accounts at national level.
- **Document our success and failures**, but specially our success.



Obrigado!
Gracias! Merci! Thank you!



Antonio Duarte
Presidente
aduarte@ine.gov.cv
antonioreisduarte@yahoo.com.br