



Opportunities and challenges of the Census based on administrative registers in Ecuador

National Institute Statistics and Census

New York, March 2016

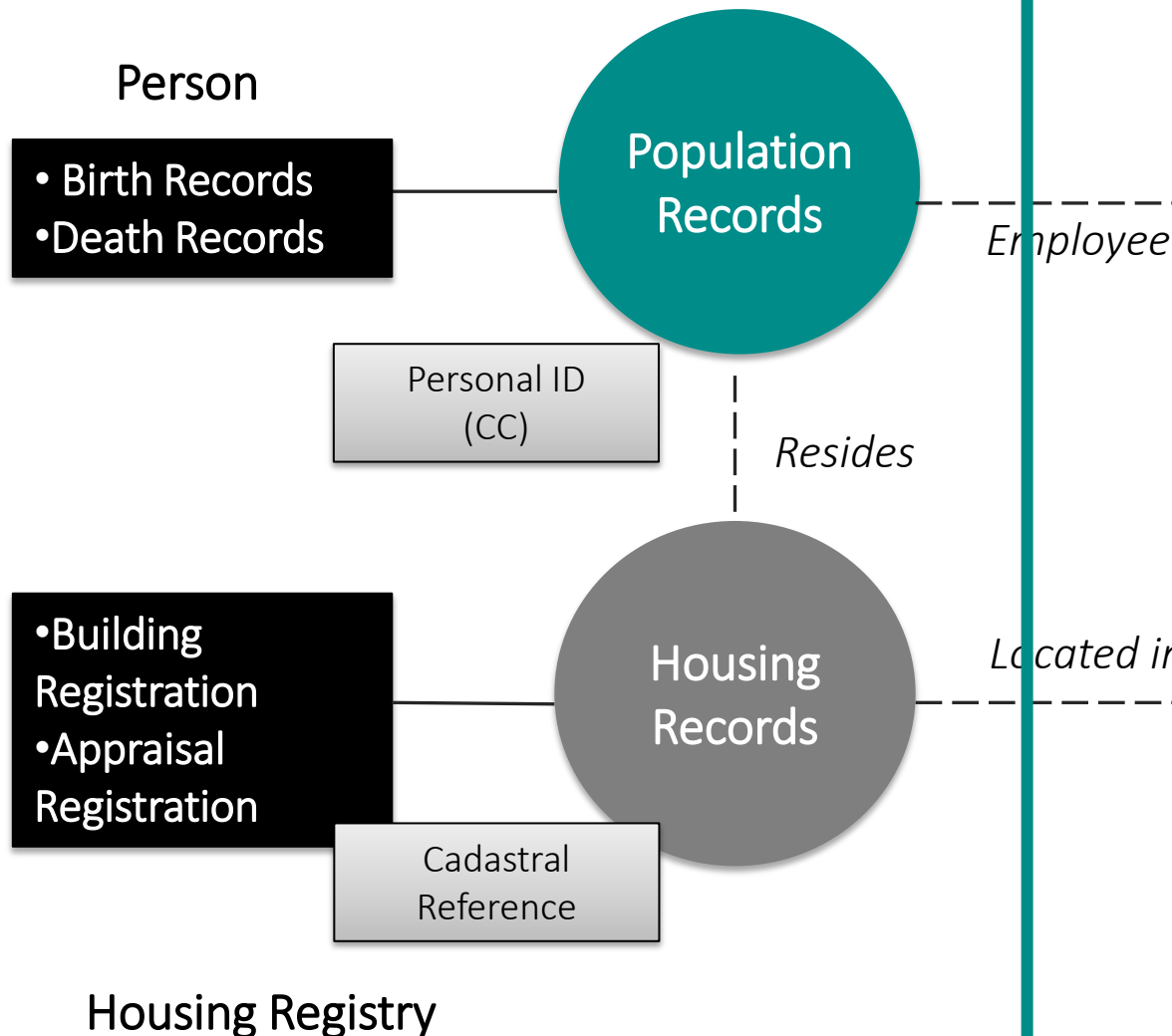


1

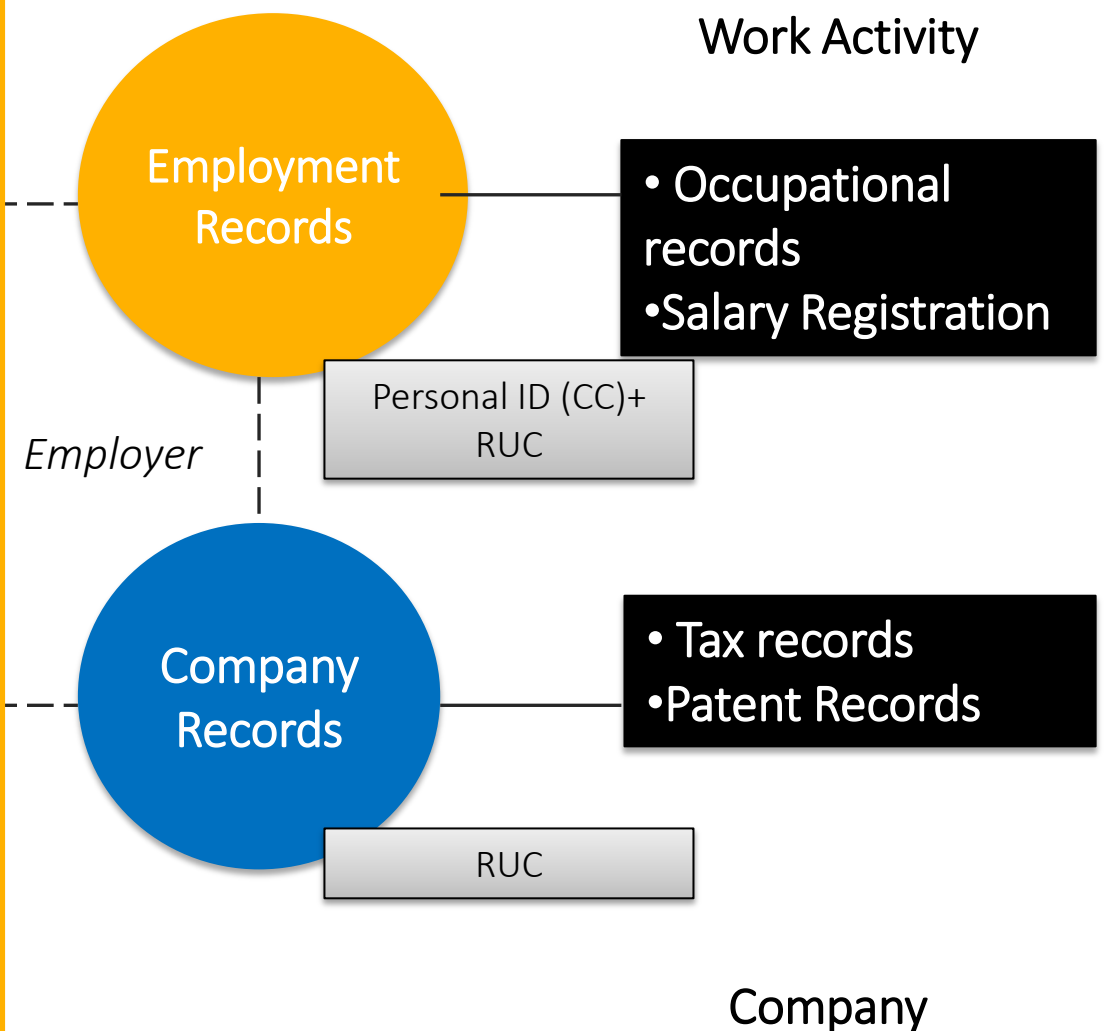
Our data revolution: Intensive use of administrative registers

What is our vision of administrative records?

Population and Housing Census based on Administrative Records



Employment and Business Dynamics Lab





2

Population and Housing Census based on Administrative Registers: Our mobilizing utopia



Why is this important?

Traditional Population and Housing Census	Population and Housing Census based on Administrative Records	Benefits
Every 10 years	Continuous	✓ More opportunities
Intermediate years are based on projections	Permanent real data	✓ Better tool for planning and redistributing resources
Information gathered by surveyors (students)	Information gathered at the source (legal basis)	✓ Better quality
2010 Census: 45.000.000 USD	Initial Phase + maintenance costs	✓ Lower costs in the medium term

What information does a Population and Housing Census provide us?

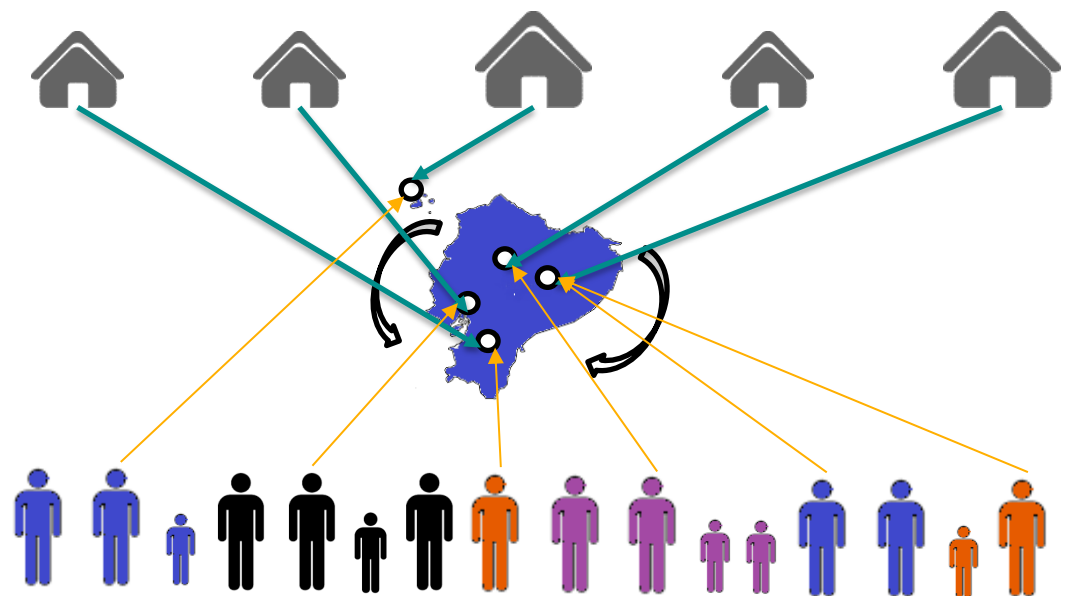
How many are we?



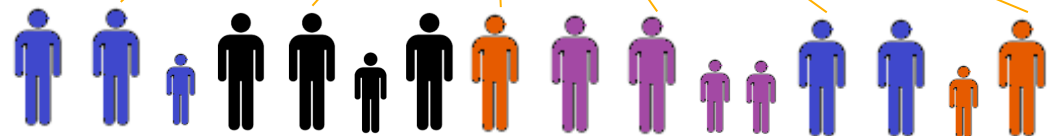
How many houses are there?



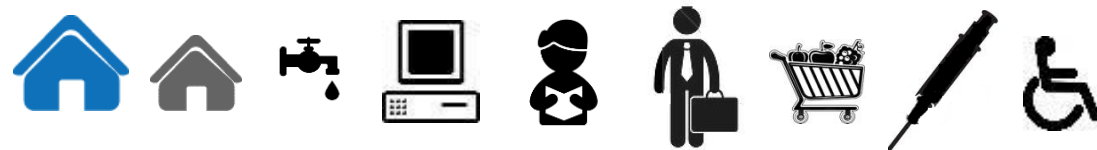
Where do we live?



Who do we live with?

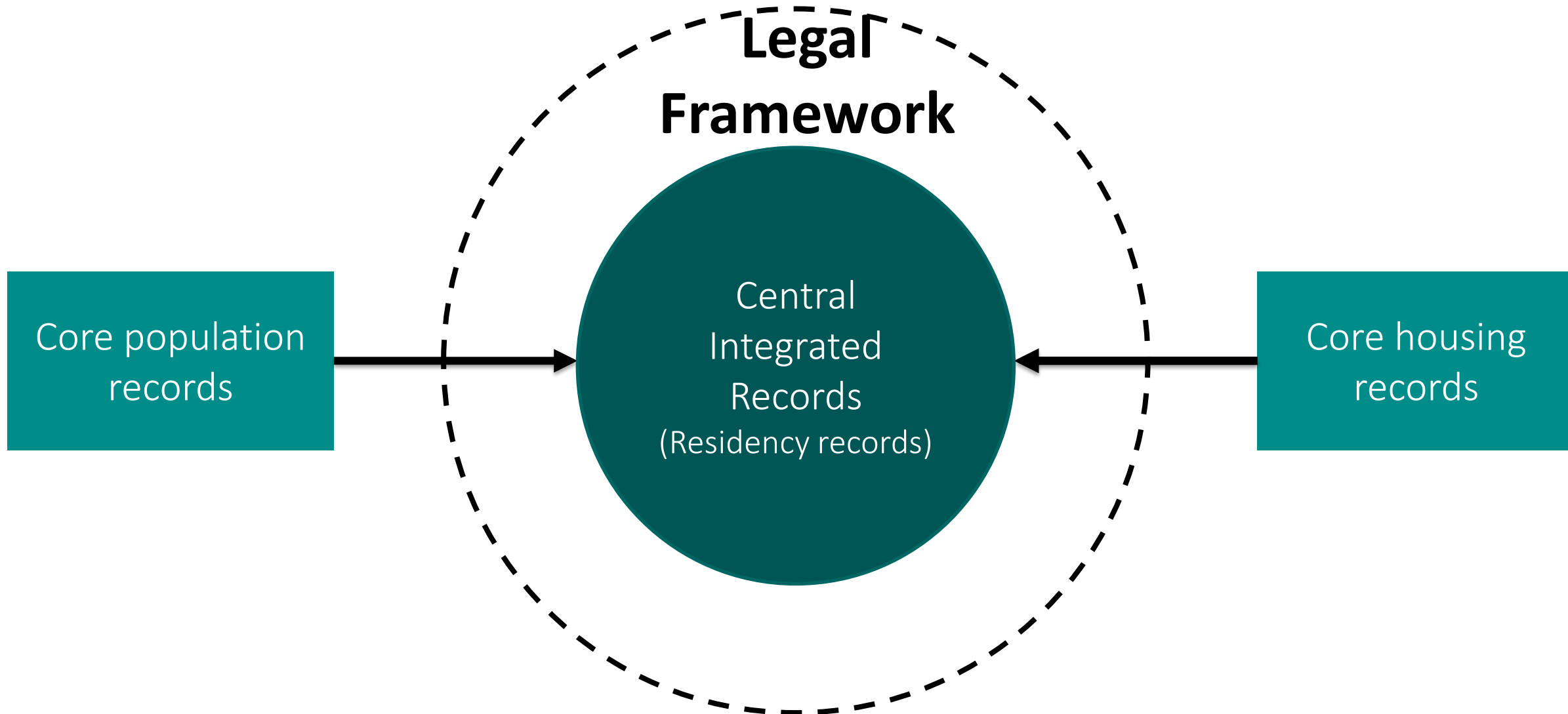


What are the characteristics of the population and housing?





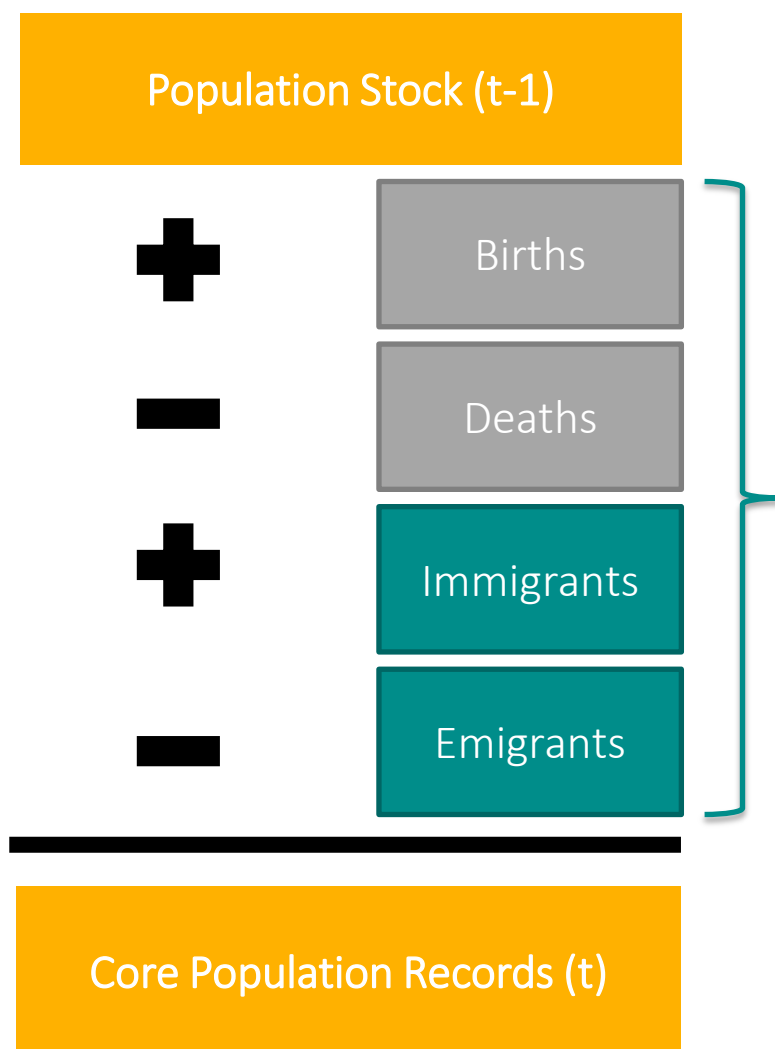
What does having a Census based on Administrative Records imply?



Building the Population Register

How many are we?
What are our characteristics?

Counting

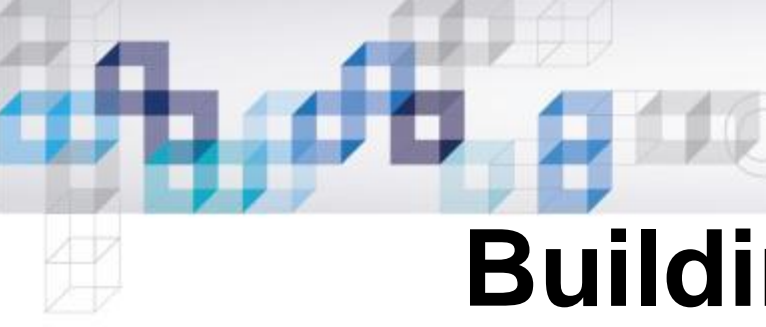


How are these records interconnected?

Personal ID (CC)

Additional information from the core population records





Building the Housing Register

How many houses are there?
What are their characteristics?

Counting

Unique Identifier

Housing Stock (t-1)



Construction



Destruction

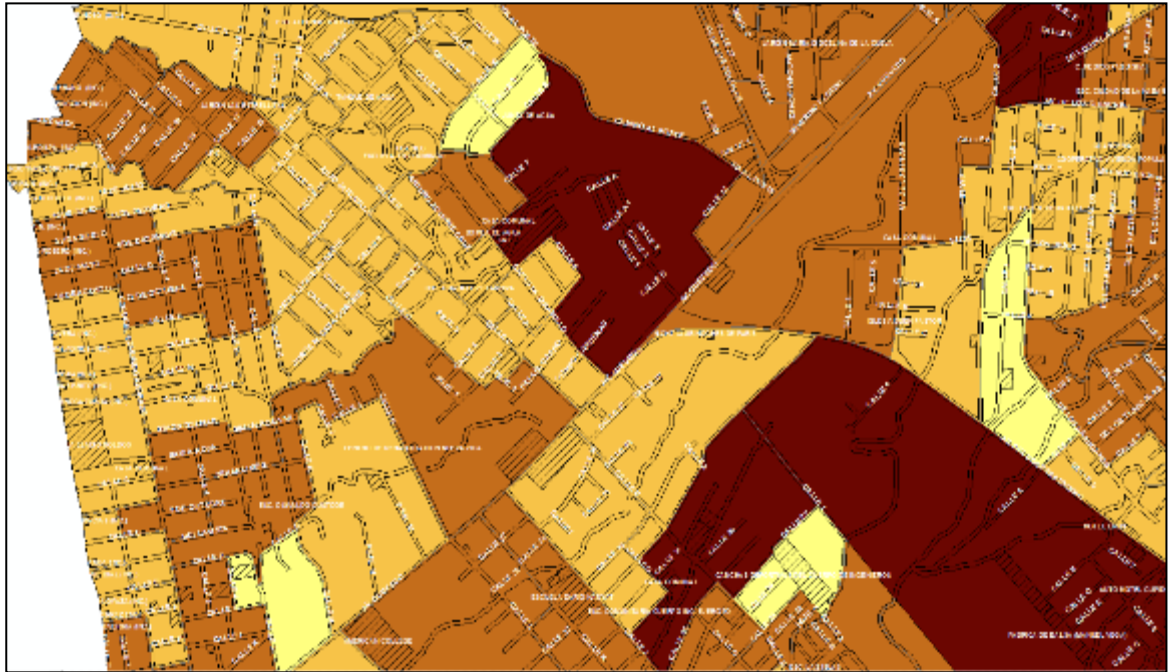


Housing use change (e.g. to business, to housing)



Core Housing Records (t)

Cadastral Reference



Additional information from the core housing records

House material

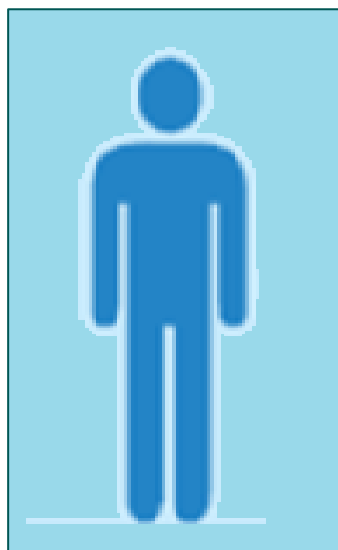
Basic Services

Habitability

Building the Residency Register

Where do we live?
Who do we live with?

Central
Population
Records



People



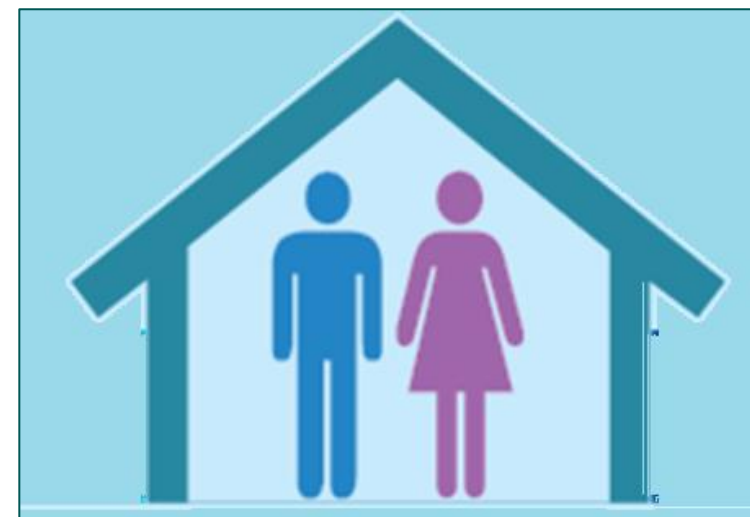
Central Housing
Records



Housing



Central Residency
Records



- Links a person with a house
- Constructs Family units

Construction of an Incentive Based System

Statistical Law Reform

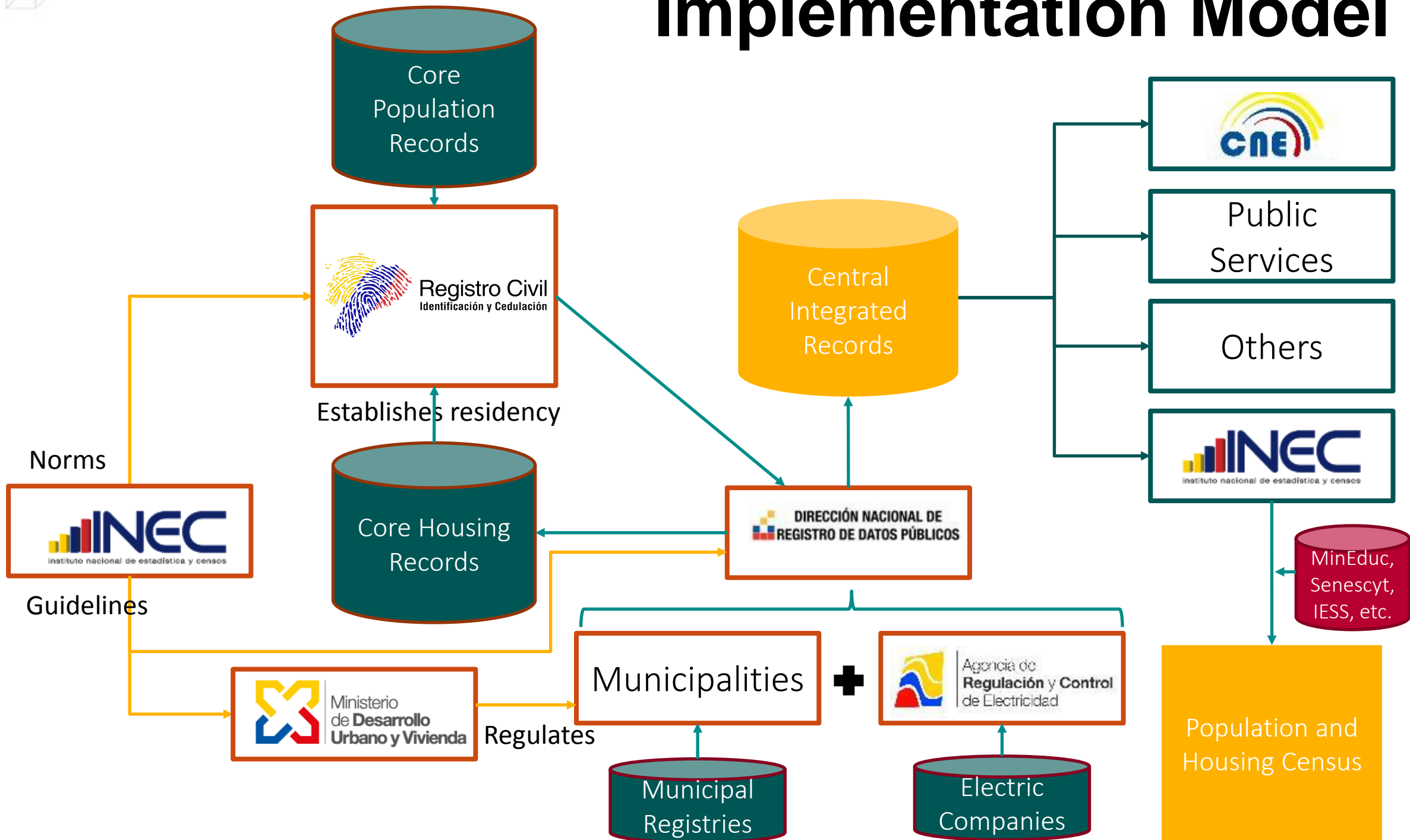
Types of Incentives:

Access to basic
services

Access to social
services

Access to social
programs

Implementation Model



Why could our utopia become a reality?

1. Political support by the Ecuadorian President
 - a. Executive Decree for the execution of the population and housing census based on administrative records
 - b. Interinstitutional committee for the execution of the population and housing census based on administrative records
2. Empowerment of INEC as rector of the National Statistical System
 - a. Ability to norm the producers of administrative records
 - b. Allow access to administrative records
3. Existence of unique identifiers for people
4. INEC organizational structure
 - a. Creation of a specific Unit of Administrative Records at INEC



3

Galapagos Census: Our natural lab

Why Galapagos?



ecuador
ama la vida

“The Galapagos Islands were declared a World Heritage Site in 1978. This makes it a sensitive and protected ecosystem”.

What opportunities does Galapagos offer?

1

Mandatory registration for everyone that enters the islands.

2

There are no direct international flights.

3

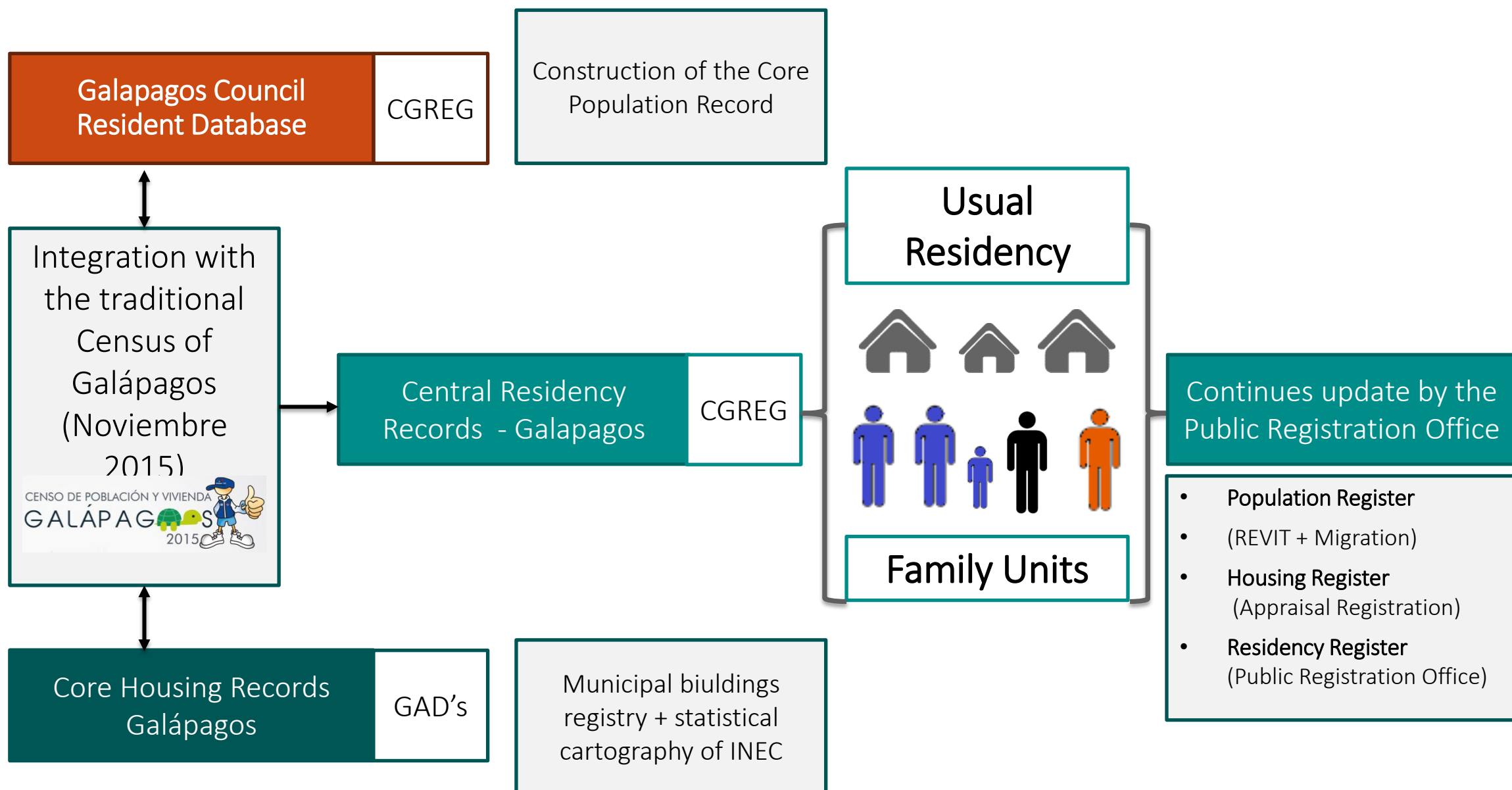
Population density control, residency permits



Why Galapagos?



Galapagos Our Natural Lab





4

Conclusions: Our challenges

What are the main challenges?

1. Creating a **statistical culture** in Ecuador
 1. How to make the incentives based system create a **civic duty**?
 2. Without giving the impression that this process will endanger the individual liberties addressed in the constitution
2. Promote a coherent and standardized cadastral system in Ecuador
 1. A majority of Ecuadorian Municipalities do not have **quality land registries**.
 2. There is no **unique cadastral reference** in the 221 Ecuadorian districts
3. **Integrate data sets with the guarantee that the** statistical secrecy will be fulfilled
4. Coordination
 1. The success of this project does not depend on INEC alone. There is the need to act in a coordinated manner.
5. Administrative records **institutionalization**



www.ecuadorencifras.gob.ec



@ecuadorencifras



INEC/Ecuador



Inec



INECEcuador



INEC Ecuador