

# BPR PROJECT - IDB

## The Population Register and Real State Register Based on the Use of Official Administrative Records

Bogotá, Colombia

November 2017

[www.dane.gov.co](http://www.dane.gov.co)



# Objective and scope of the BPR project

## Current stage

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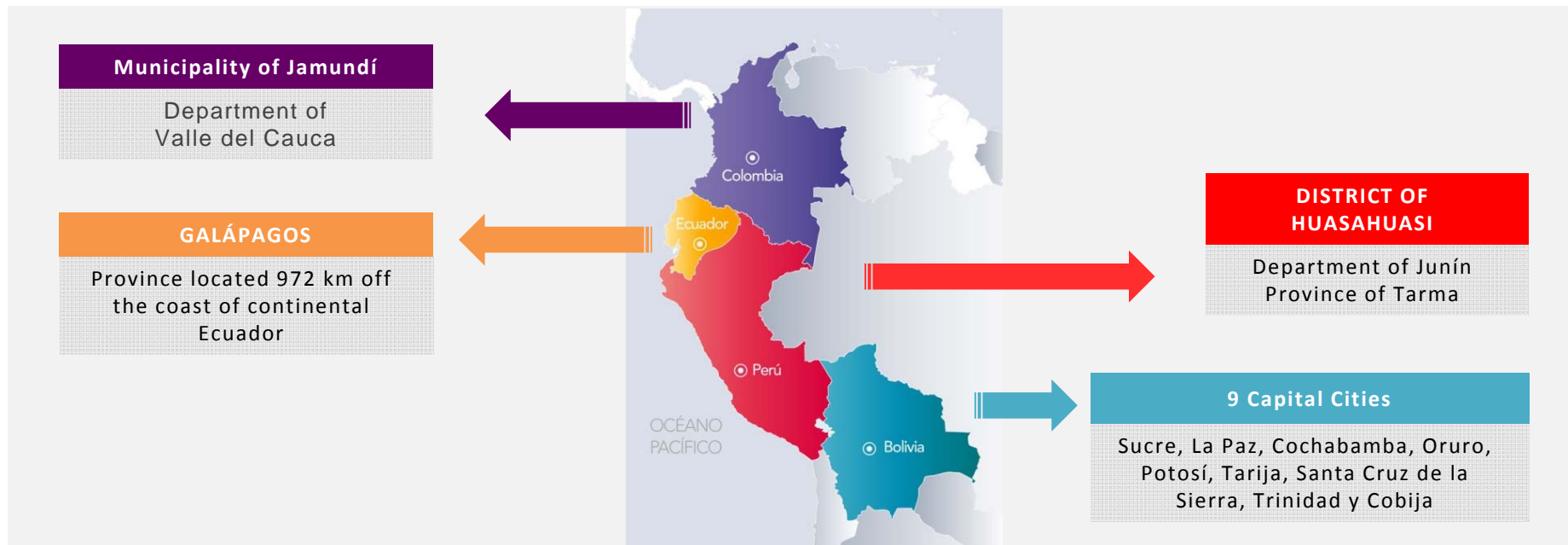


Strengthen the capacity of the countries of the Andean Community to produce statistical information on population and real estate based on data from administrative records



## Current stage

Pilot test of an integrated system of population and real estate by country - Supported in the conceptual framework defined by the four (4) countries.

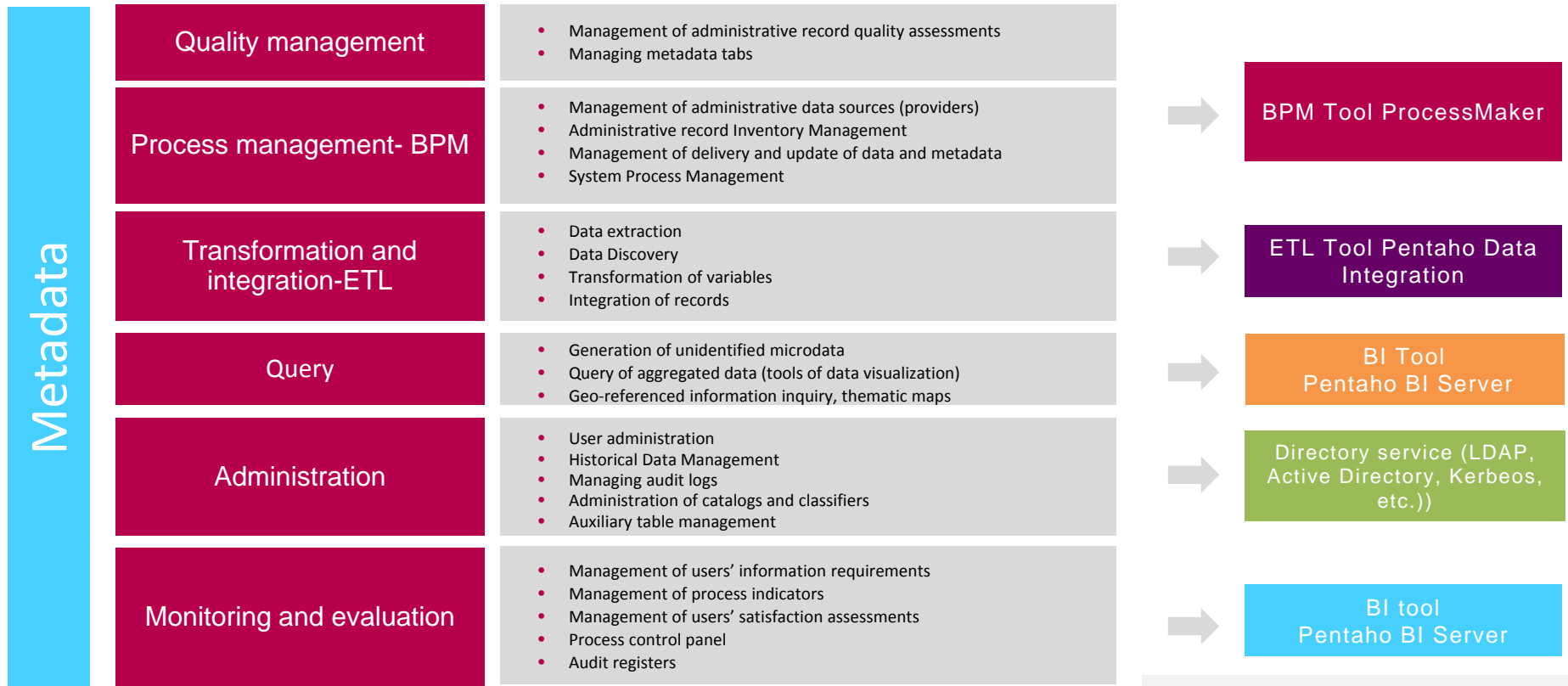


# Integrated System of Population and properties Statistics

## Conceptual Framework and Design



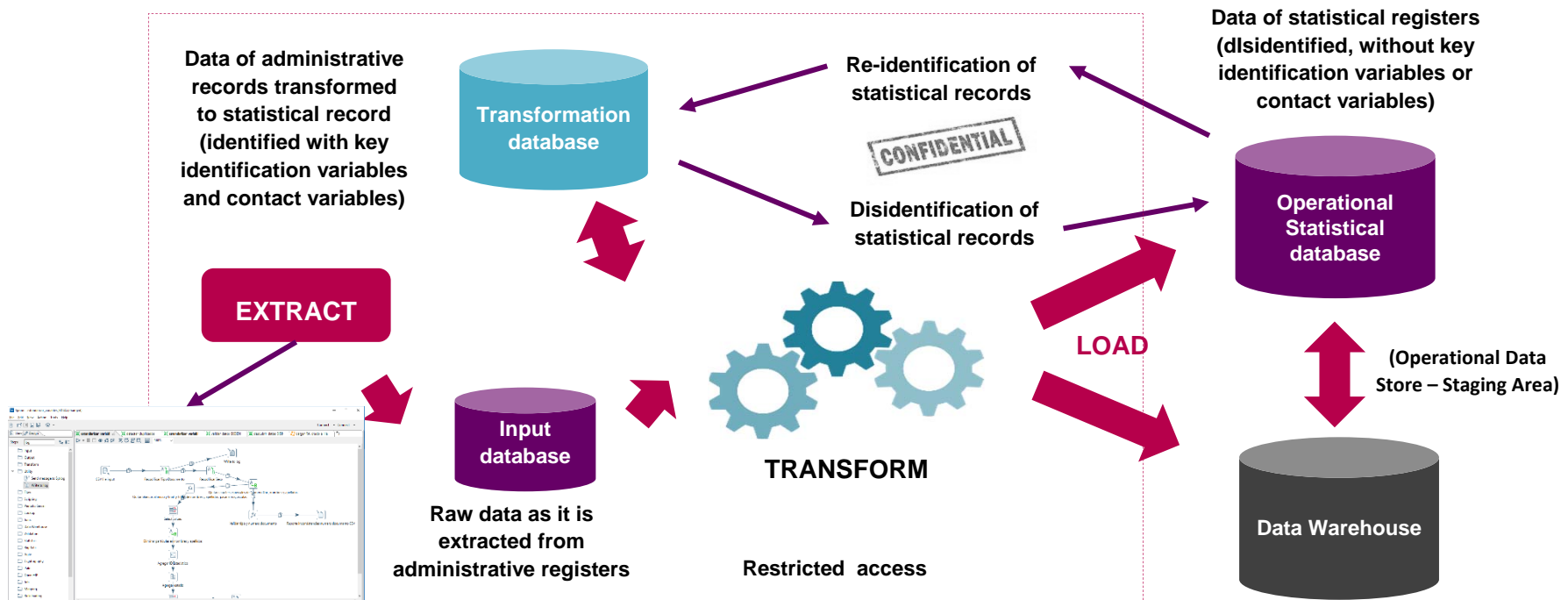
# SIREPI design proposes six (6) modules that are supported in the metadata of the information contained in the registers



Source: Federico Segui, Consultant «SIREPI Design»



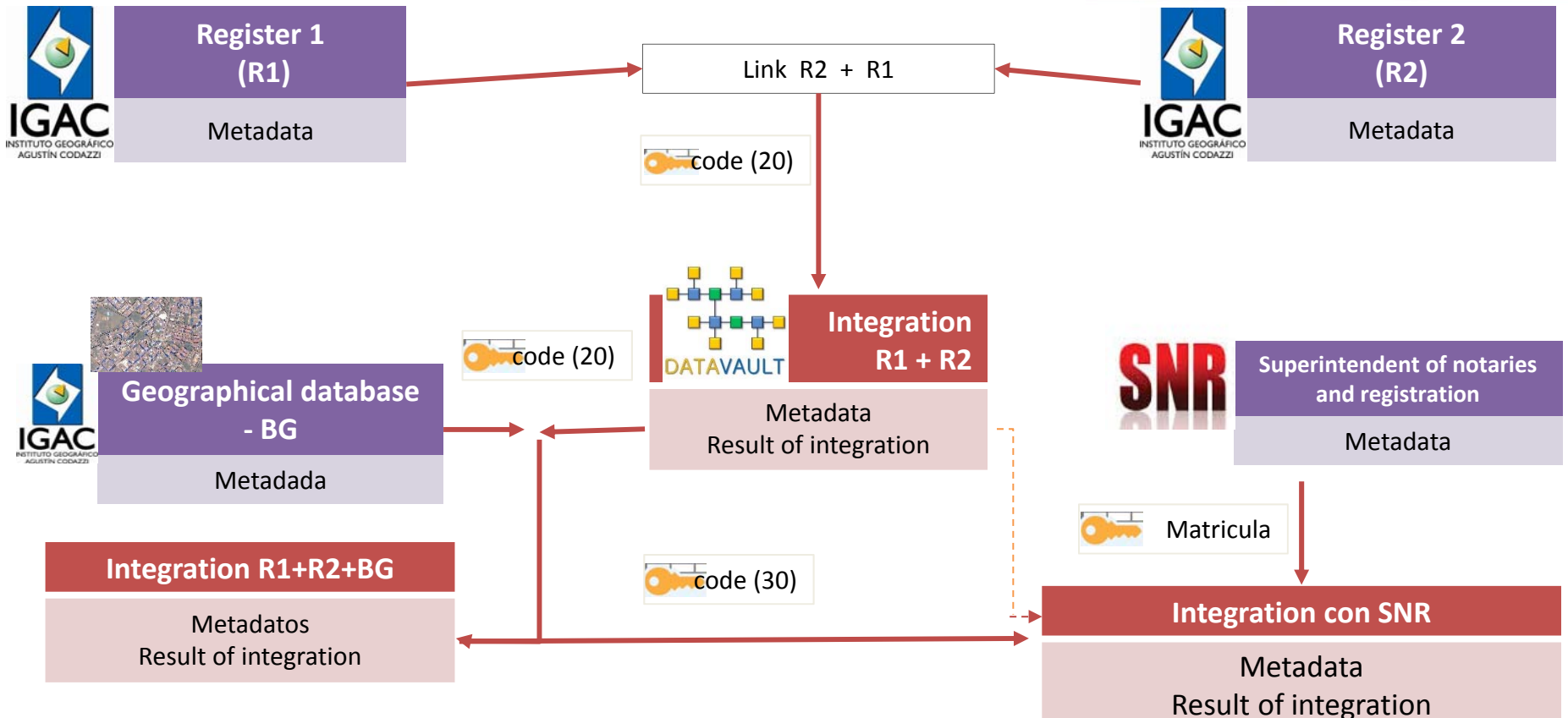
# The proposed databases for the SIREPI coordinate the production databases and pose a database in DATAMART for a projection of DataWarehouse



The processes of extraction, transformation and loading, with PENTAHO tools

Source: Federico Segui, Consultant «SIREPI Design»

# Conceptualization: Standard Model Hybrid and Dimensional Model

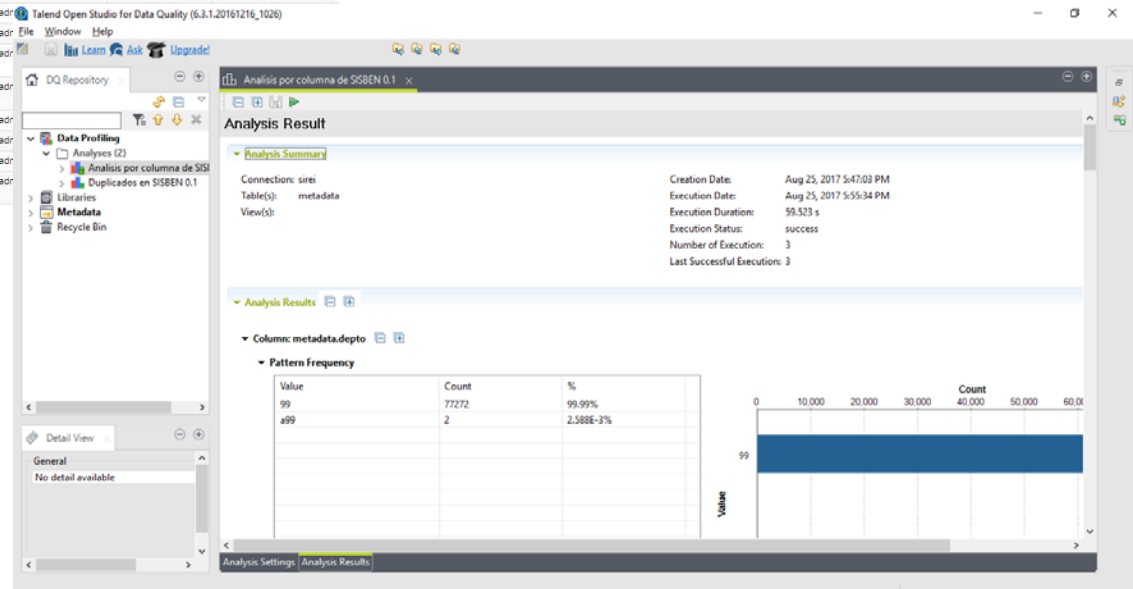


# The monitoring and control processes to generate alerts are posed with process managers



Inicio Diseñador Tablero De Comandos Administración

	Título del Proceso	Tipo	Categoría	Estado	Usuario Propietario	Fecha de creación	Bandeja de Entrada	Borrado...
<input type="checkbox"/>	0 - GSRBPM (BPMN Project)	bpnm	- Sin Categoría -	Activo	Administrador admin	2017-08-30 22:24:55	0	0
<input type="checkbox"/>	1 - Especificar Necesidades (BPMN Project)	bpnm	- Sin Categoría -	Activo	Administrador admin	2017-08-30 22:31:41	1	0
<input type="checkbox"/>	2 - Diseñar (BPMN Project)	bpnm	- Sin Categoría -	Activo	Administrador admin			
<input type="checkbox"/>	3 - Desarrollar (BPMN Project)	bpnm	- Sin Categoría -	Activo	Administrador admin			
<input type="checkbox"/>	4 - Recolectar datos (BPMN Project)	bpnm	- Sin Categoría -	Activo	Administrador admin			
<input type="checkbox"/>	5 - Transformar (BPMN Project)	bpnm	- Sin Categoría -	Activo	Administrador admin			
<input type="checkbox"/>	6 - Integrar (BPMN Project)	bpnm	- Sin Categoría -	Activo	Administrador admin			
<input type="checkbox"/>	7 - Comunicar (BPMN Project)	bpnm	- Sin Categoría -	Activo	Administrador admin			
<input type="checkbox"/>	8 - Evaluar y Mejorar continuamente (BPMN Project)	bpnm	- Sin Categoría -	Activo	Administrador admin			
<input type="checkbox"/>	Gestionar Inventario de RA (BPMN Project)	bpnm	- Sin Categoría -	Activo	Administrador admin			

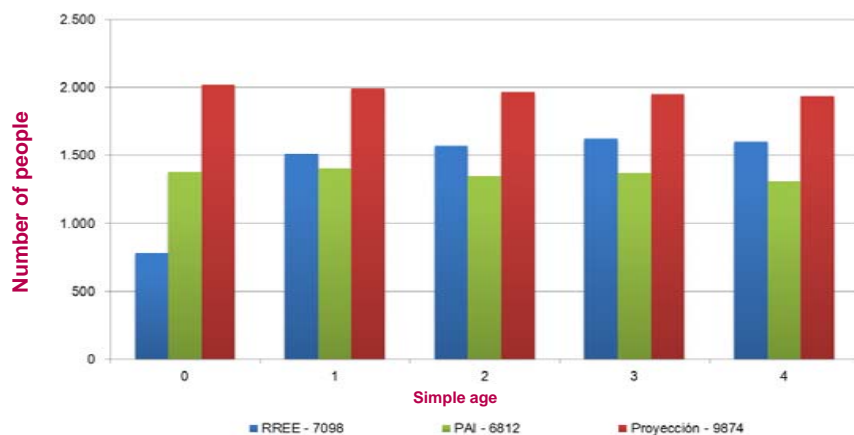


The profiling of data that allows analysis by variables and duplicates, using free BIG DATA tools.





## In the results, different sources of information are compared for population from zero to four years - Pilot Jamundí, Colombia



**Methodological note:** For the MYP, an approximation was made for the simple ages of 2, 3 and 4 years, with the assumption of migration and zero mortality.

Simple age	Description	Year of application
Less than one year old	Boys/girls under one year old with 3-close of Pentavalente	2016
One year old	Boys/girls under one year old with 1- close of Triple Viral	
Two years old	Boys/girls under one year old, with 1 - close of Tripe Viral	2015
Three years old		2014
Four years old		2013

Link the information from records with a geospatial component to optimize the analysis and strengthen the quality analysis of Administrative Records - Pilot Jamundí, Colombia

Geospatial visualization can be used as an input to **complement** missing information.





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