



**UN-GGIM**  
UNITED NATIONS INITIATIVE ON  
GLOBAL GEOSPATIAL  
INFORMATION MANAGEMENT



# **GEOGRAPHICAL INFORMATION AND SUSTAINABLE DEVELOPMENT**

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## **Third High Level Forum on UN Global Geospatial Information Management**

NASG's Headquarters, Beijing  
22-24 October 2014

**Claudio Stenner**  
Coordinator of Geography

# DATA AND METADATA INTEGRATION - Example

Metadados da página selecionada

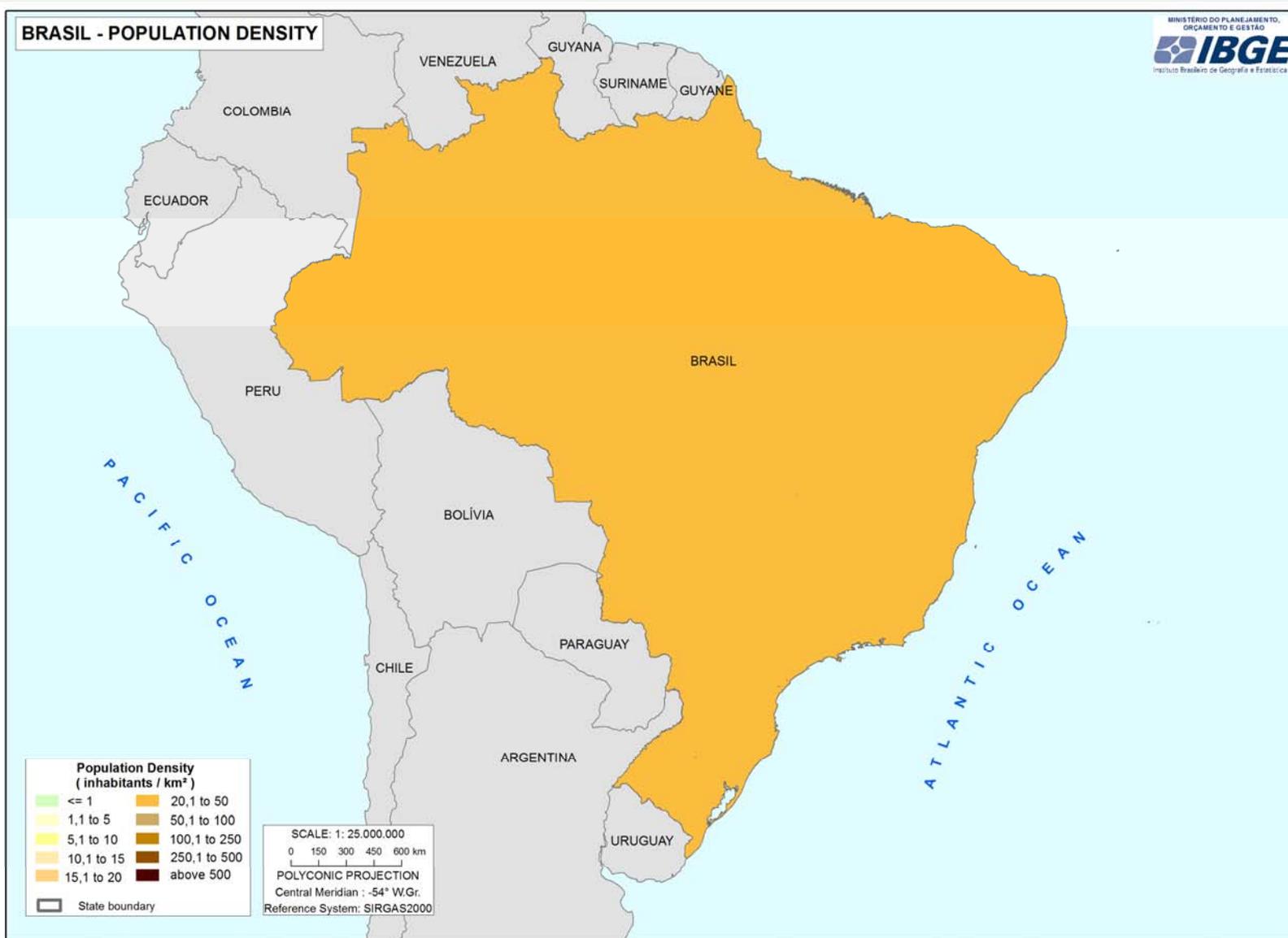
Informação de Identificação do CDG	
<b>Título</b>	Atlas do Censo Demográfico 2010 - Idade Média ao Casar
<b>Data</b>	28/06/2013
<b>Tipo de Data</b>	Publicação: data de publicação do recurso
<b>Resumo</b>	Prancha contendo a idade média ao casar da população total, da população masculina, da população feminina e a diferença entre as médias de idade ao casar masculina e feminina, por município. A idade média ao casar foi calculada para pessoas de 15 anos ou mais de idade, com base na técnica Singulate Mean Age at Marriage - SMAM, desenvolvida por Hajnal (1953)
<b>Status</b>	Concluído: dados completados

Fechar

Summary field

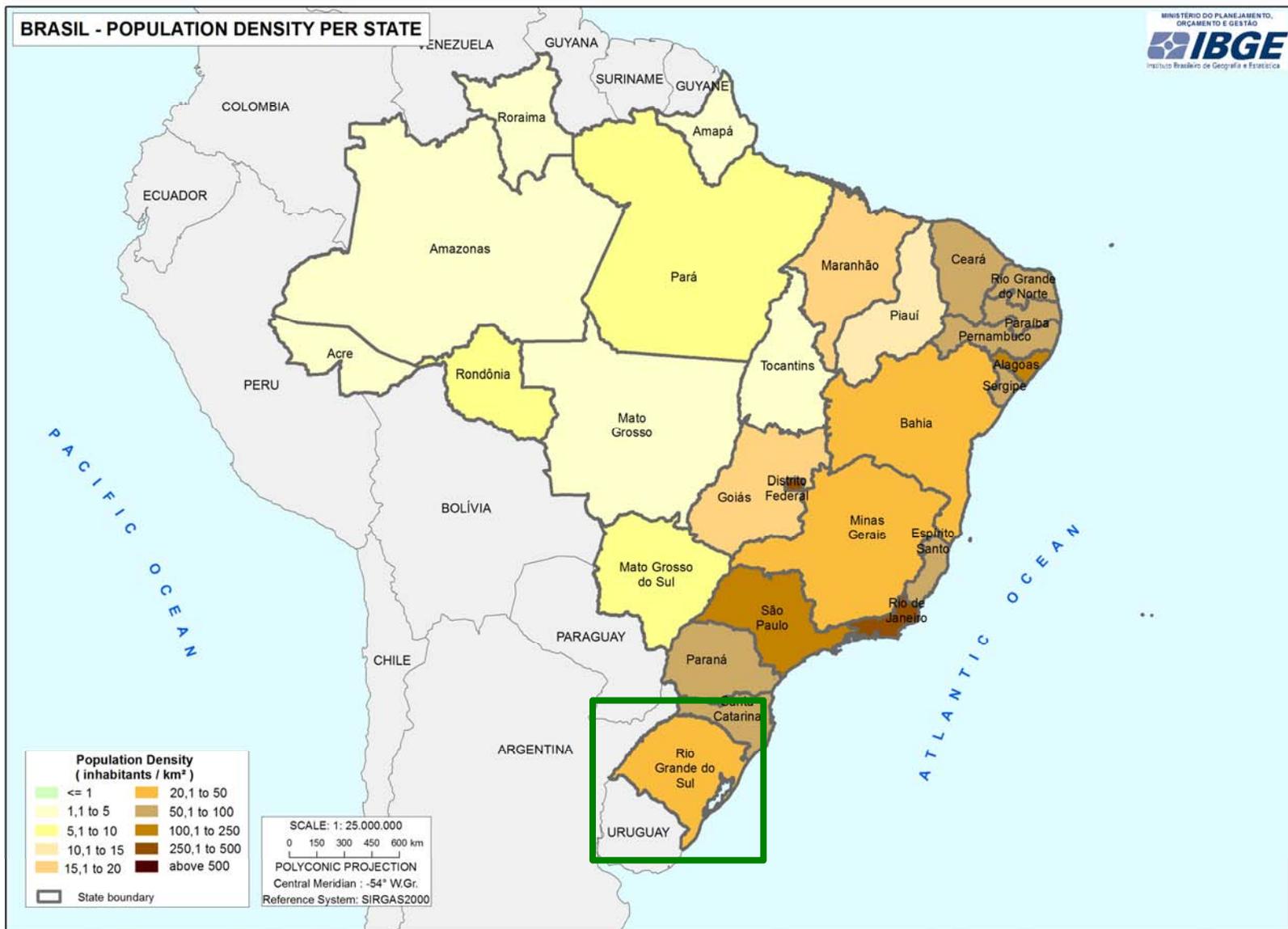


# MULTIPLE SCALES - Example



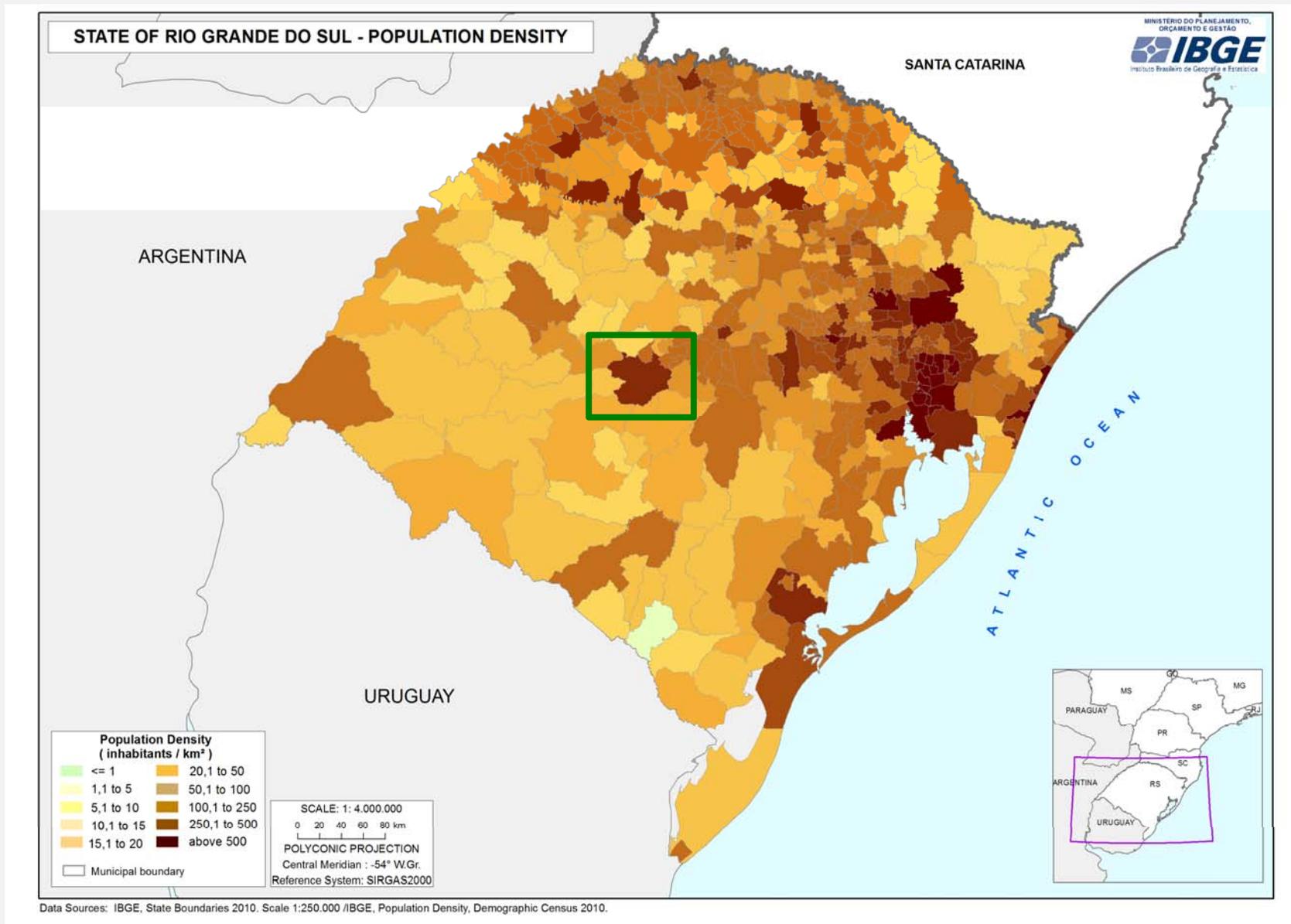
Data Sources: IBGE, State Boundaries 2010. Scale 1:250.000 /IBGE, Population Density, Demographic Census 2010.

# MULTIPLE SCALES - Example

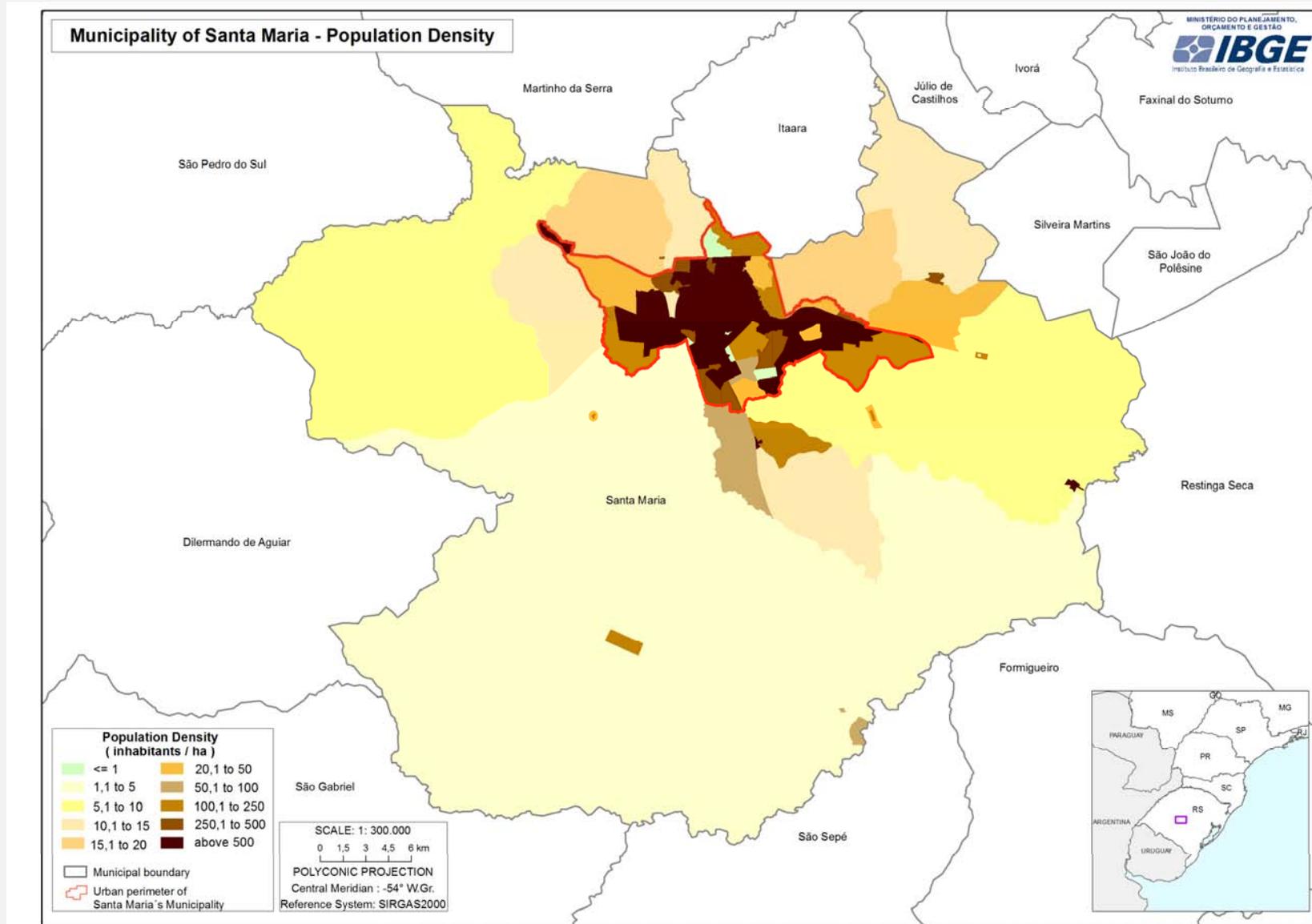


Data Sources: IBGE, State Boundaries 2010. Scale 1:250.000 /IBGE, Population Density, Demographic Census 2010.

# MULTIPLE SCALES - Example



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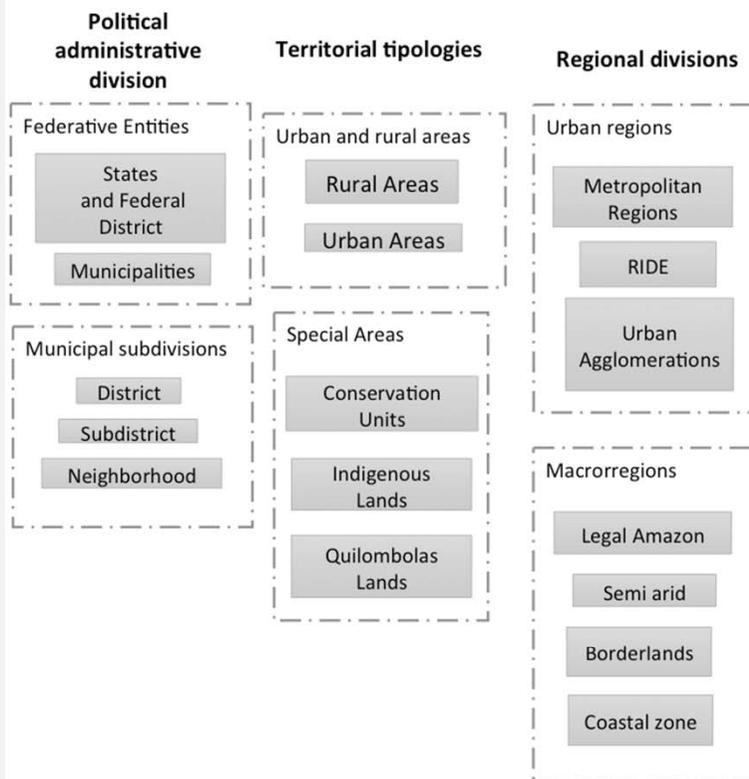


Data Sources: IBGE, Municipal Boundaries 2010, Scale 1:250.000 /IBGE, Population Density, Demographic Census 2010.

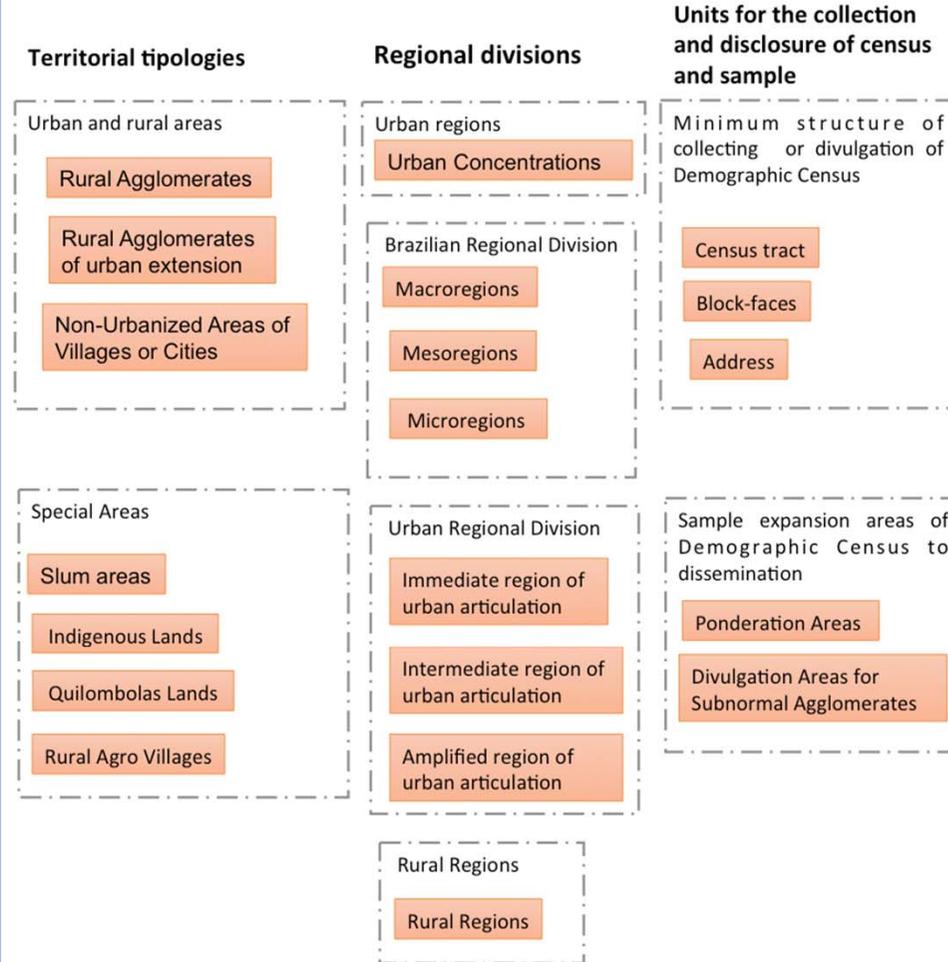
# Territorial framework for calculating and disseminating the statistics of IBGE

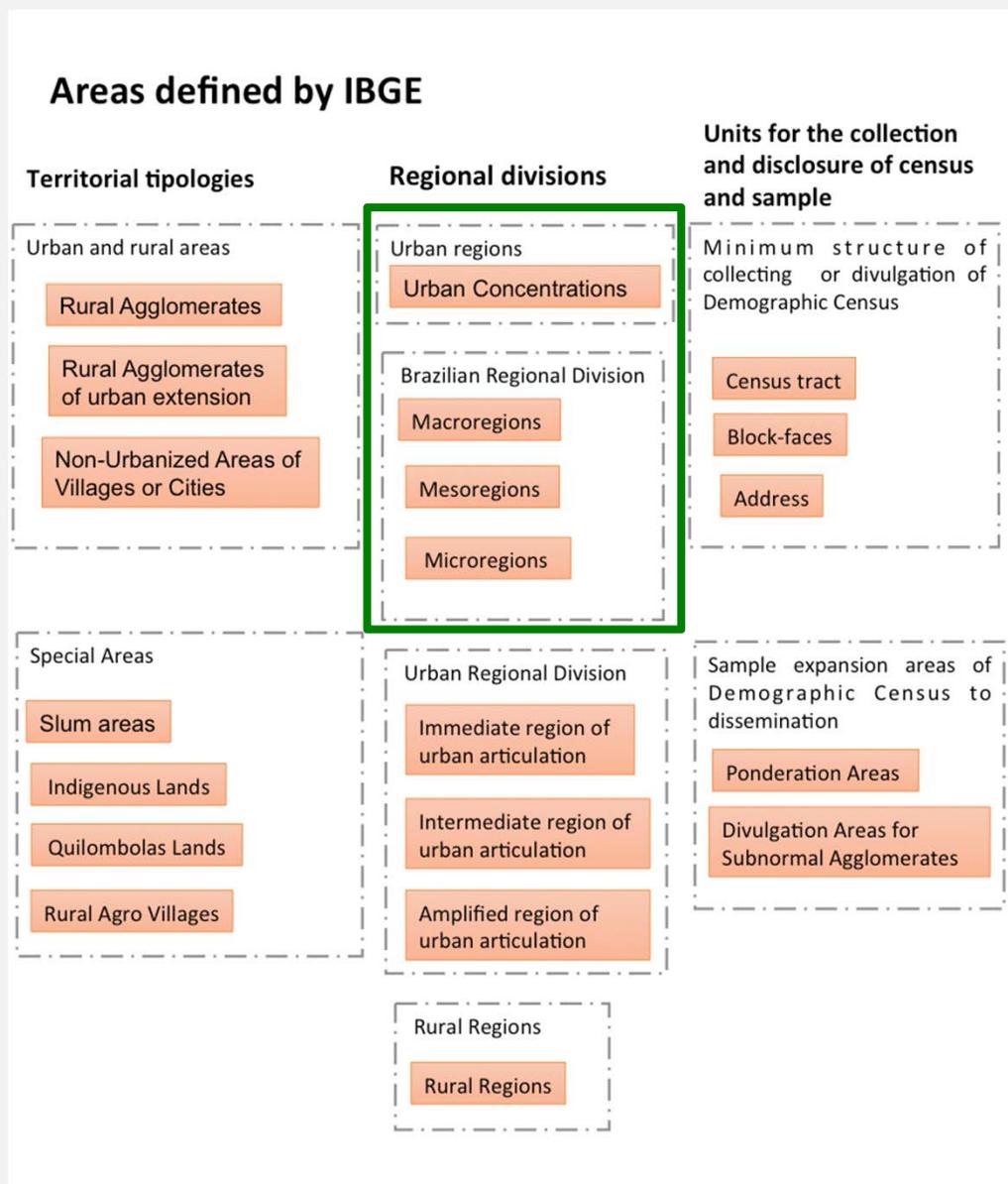


## Legally institutionalized areas



## Areas defined by IBGE

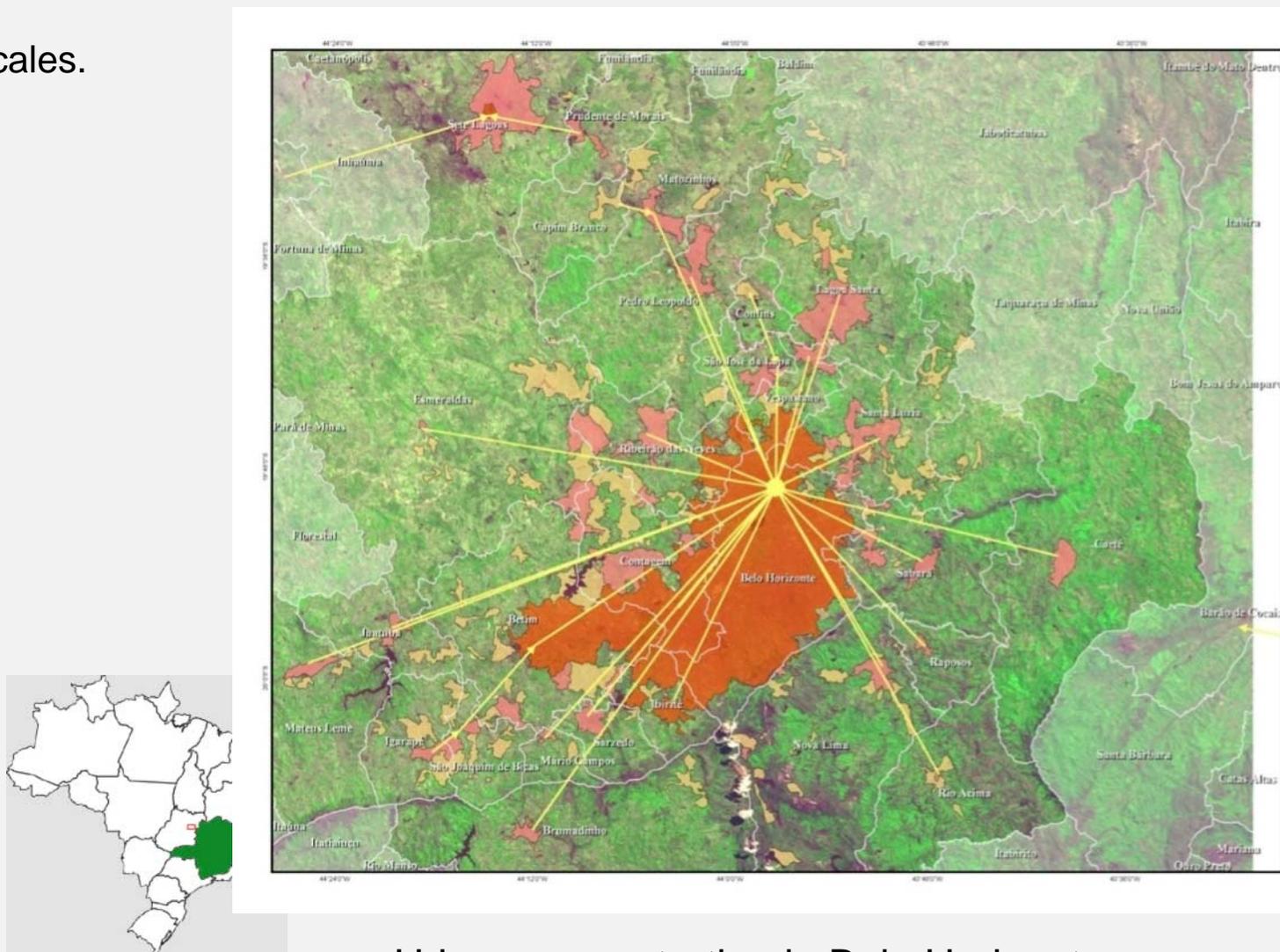




***IBGE defined areas for calculating and disseminating statistics - zones for recording, verifying and analyzing statistical data in order to meet the increasing demand for more accurate geographic limits, enabling a better interpretation of the complex territorial reality.***

## REGIONAL DIVISIONS – Urban Concentrations

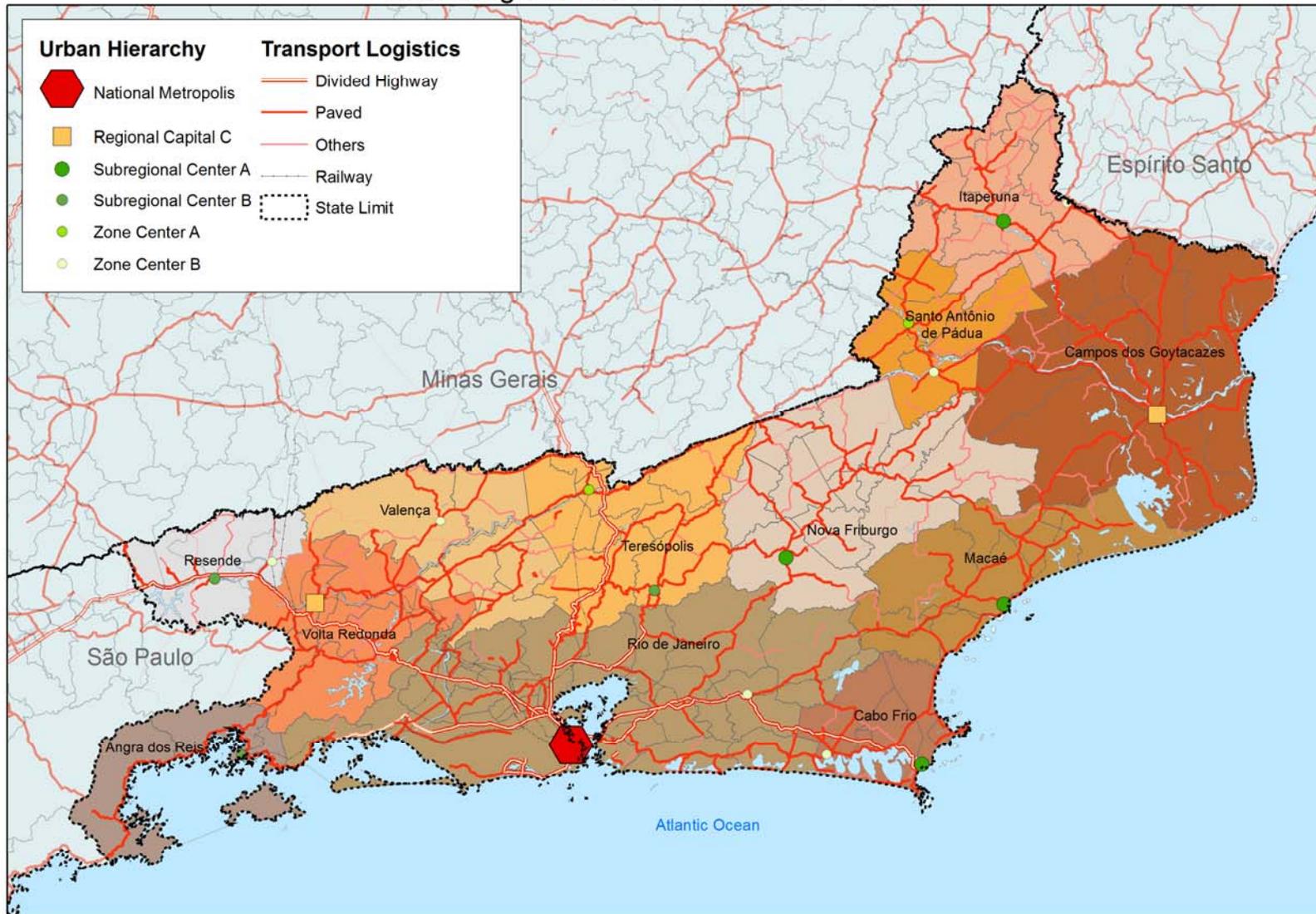
In a national scale urban perspective, IBGE sets criteria for the identification of urban concentrations, allowing statistical information analysis in varied contexts and geographic scales.



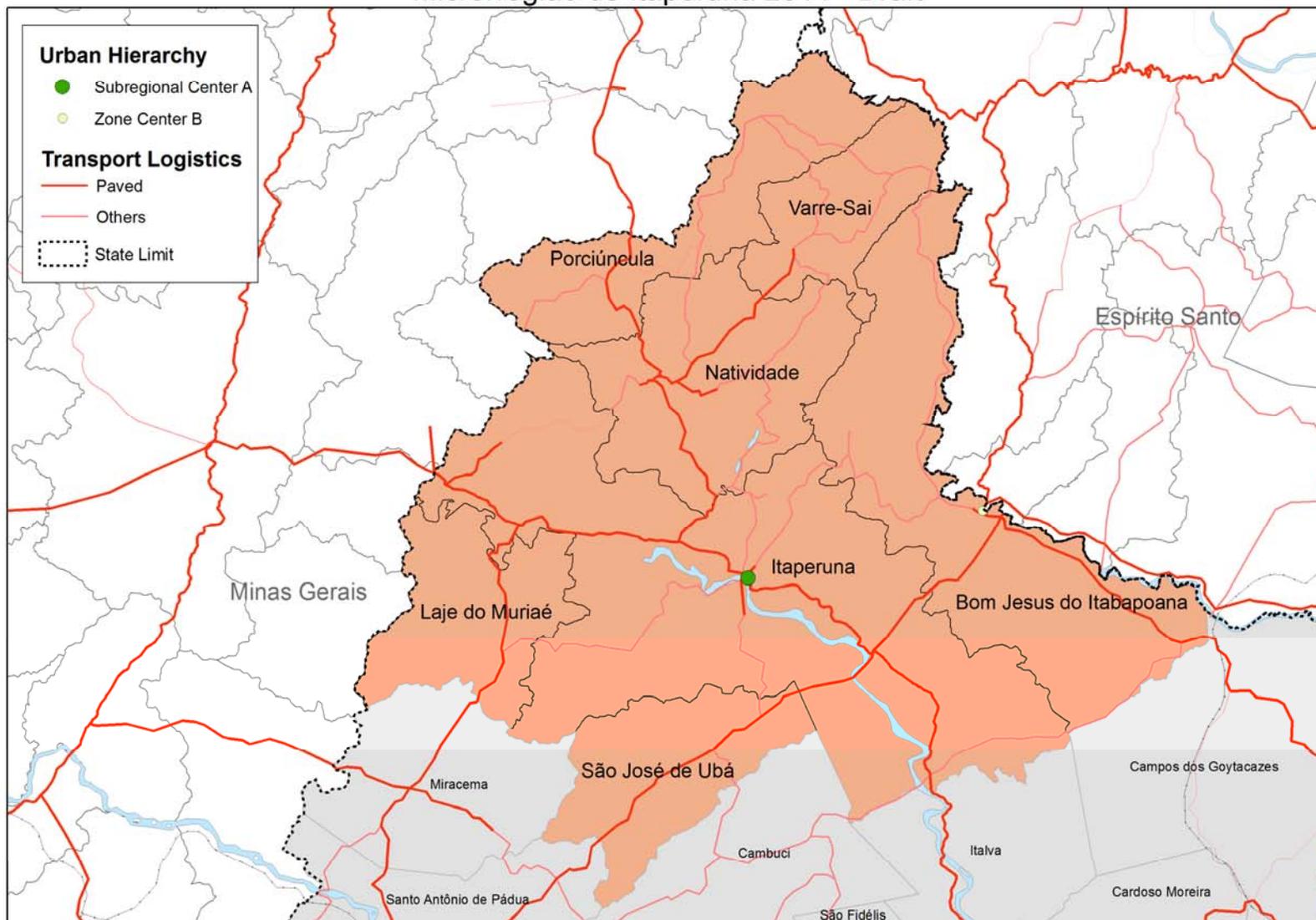
Urban concentration in Belo Horizonte

# REGIONAL DIVISIONS – MICRO REGIONS - Example

Microrregiões Rio de Janeiro 2014 - Draft



Microrregião de Itaperuna 2014 - Draft



### **Selected contributions of geospatial information producers for sustainable development**

- ✓ To produce spatial data according with SDI's standards
- ✓ To improve the integration between statistical metadata and geographical metadata.
- ✓ To create support to associate statistical information in multiple scales
- ✓ To develop new territorial frameworks for statistical census and sample surveys dissemination and analyses

### **Challenges**

- ✓ To create a global sub-national territorial framework to planning, measure and evaluate sustainable development.
- ✓ To create a international standard of a integrated statistical and geographical metadata



Thank you!

