

Use of Census Data in Urban planning Case of Tunisia

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L Plan

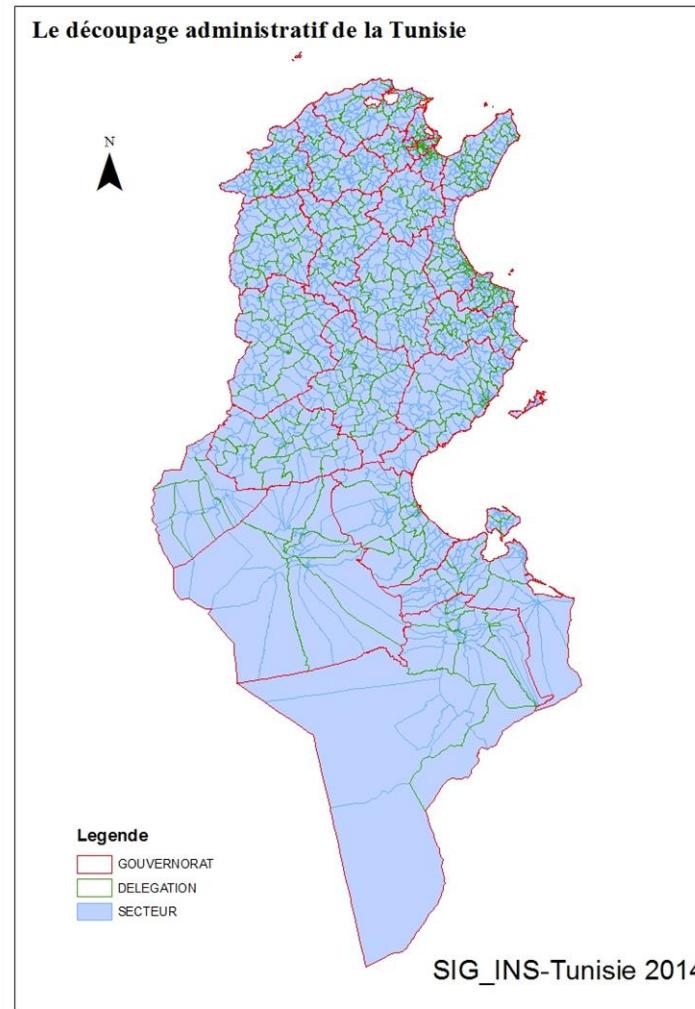
1. Introduction
2. Different Uses of Census Data in urban planning projects
3. Constructing Indicators methodology
4. Challenges



About Tunisia

- **Size:** 164000 km²
- **Population:** 11551400
- **Subdivisions:** 24
24 Governorates

Administrative Subdivisions



24 Gouvernorat



264 Délégation



2085 Secteur
(Imada)

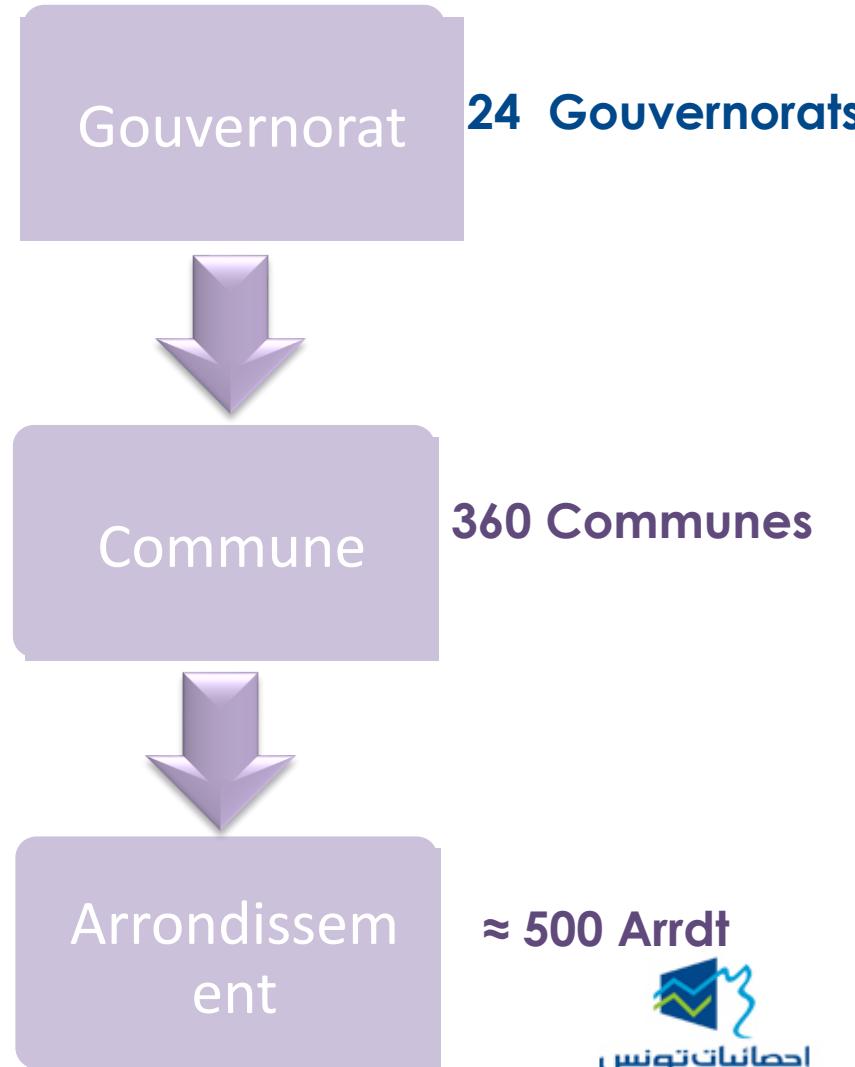


Another Administrative Decoupage

Another Communal
Territorial Decoupage
(Since **2015**)

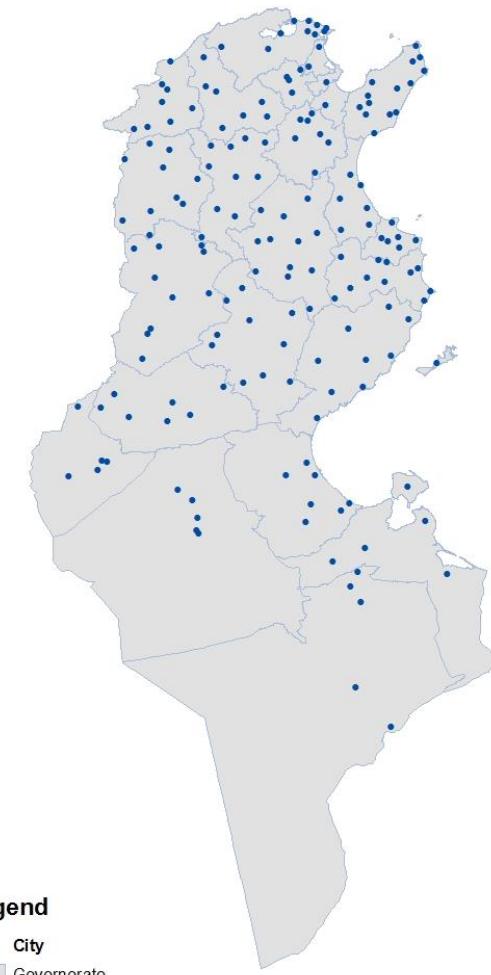
2014 Constitution:

**Communalization of
all territory**
(decentralization
project)



Tunisia Urbanization

- **67,7%** of the country's population live in urban areas by **2014**. Projected to be at **70%** by the year **2020**
- Urbanization characterised by pronounced coastal urbanization of agglomerations of less than **500,000** inhabitants
- Greater Tunis has **2.5 million** inhabitants equivalent to **25%** of the urban population.



Legend

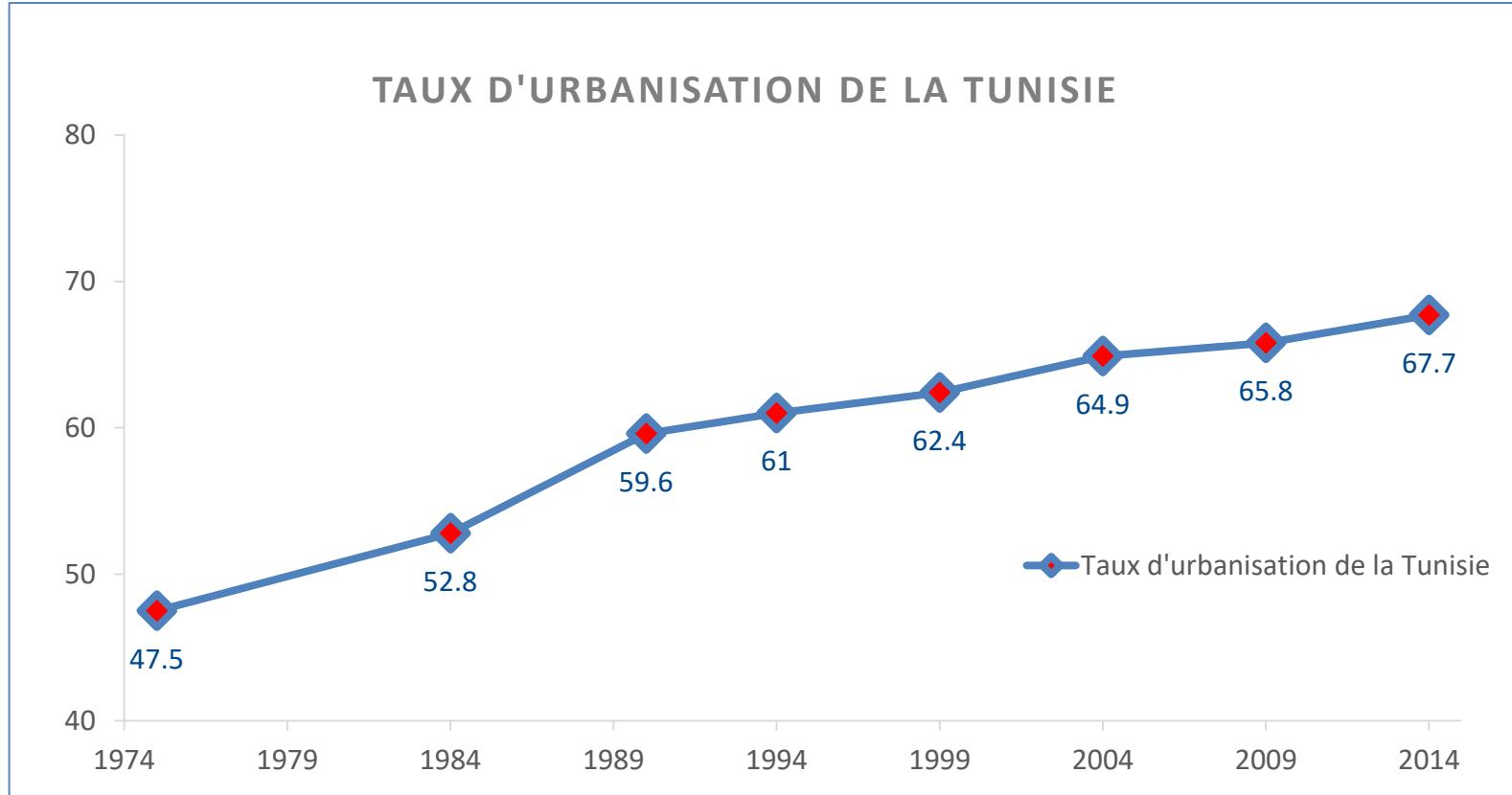
• City

Govornorate

0 15 30 Kilometers
60 90 120

Tunisia Urbanization

Percentage of population living in urban area



احصائيات تونس
STATISTIQUES TUNISIE

NO Criteria used to Urban / Rural Areas

- There isn't an **official** definition
- The legislative Lois didn't provide any criteria concerning urban-rural classification.
- Just **Studies** done by Department of territories planning (Ministry of Habitat)
- **Test** in INS (pilot project on SDG 11) based on UN-Habitat and EU methodology

Authorities in charge of delineating boundaries

- The Ministry of local collectivities is in charge of the definition of administrative boundaries
- Municipalities with ministry of Habitat are in charge of the executing of urban plan
→ **independently of the territory's type**

Urban Plans

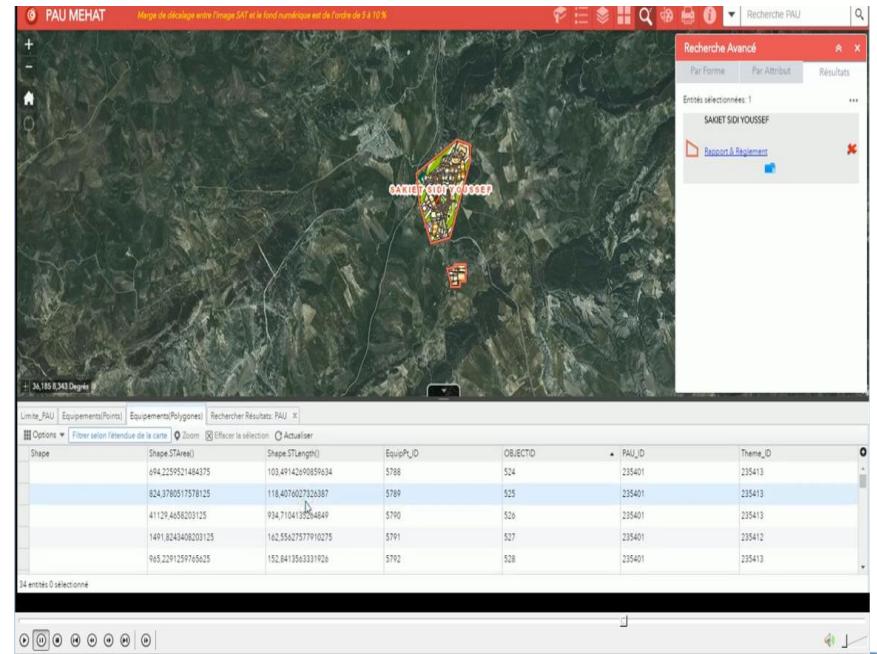
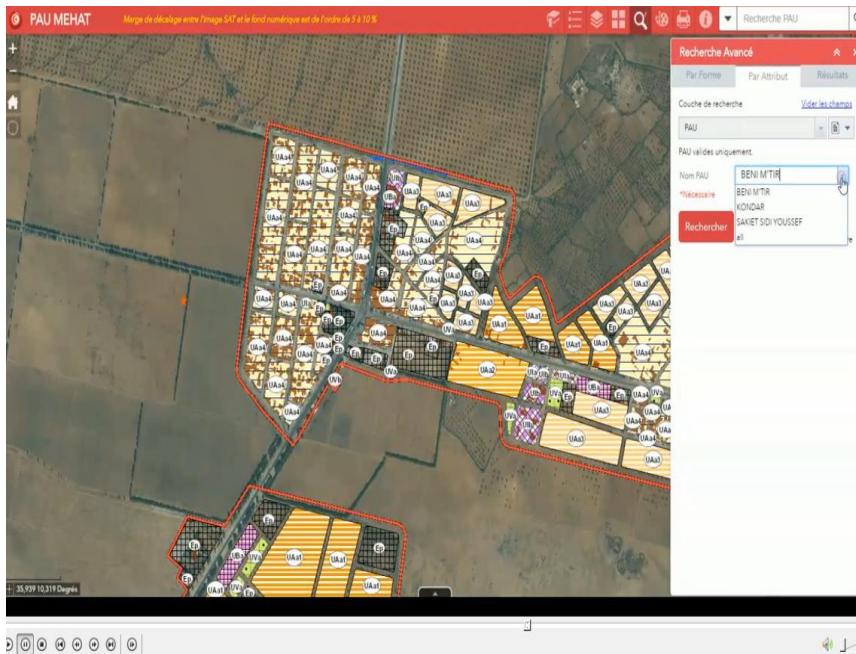
Municipalities develop urbanization plans
According needs

- ✓ On the basis of **statistics** and **data** produced by **INS**
- ✓ **Ministry of Habitat** (Urbanization department) ensure **quality** and **technical support** in elaborating urban plans



Tunisia Urbanization Planning

The Department of Urbanization created
a GIS for all the urban plans in the
framework of the OPEN GOV project
<http://geopau.gov.tn/>



Urban Renewal and Rehabilitation

التهيئة والتجديـد العـمرانـي

✓ Authorities in charge of rehabilitation (ARRU)



✓ Spatial Planning according Criteria



Urban Renewal and Rehabilitation

التهيئة والتجميد العمراني

Criteria

- **Number of housing** in the areas must be greater or equal than 200 units
- **Surface of the urbanized area** is greater or equal than 80% of the total area of the district
- **Urban density** is greater than 20 housing per hectare
- Weakness of network coverage of **basic infrastructure** and deficiency of social and collective equipment

Data
produced
especially
by INS



Disaster Risk Reduction Strategy

- ✓ **Ministry of Environment and Municipalities**, authorities in charge of **Disaster Risk Reduction** in line with the Sendai Framework for Disaster Risk Reduction 2015-2030.
- ✓ **Preventing** creation risk
- ✓ **Reduction** of existing risk



Urbanization Development

Disaster Risk Reduction Project

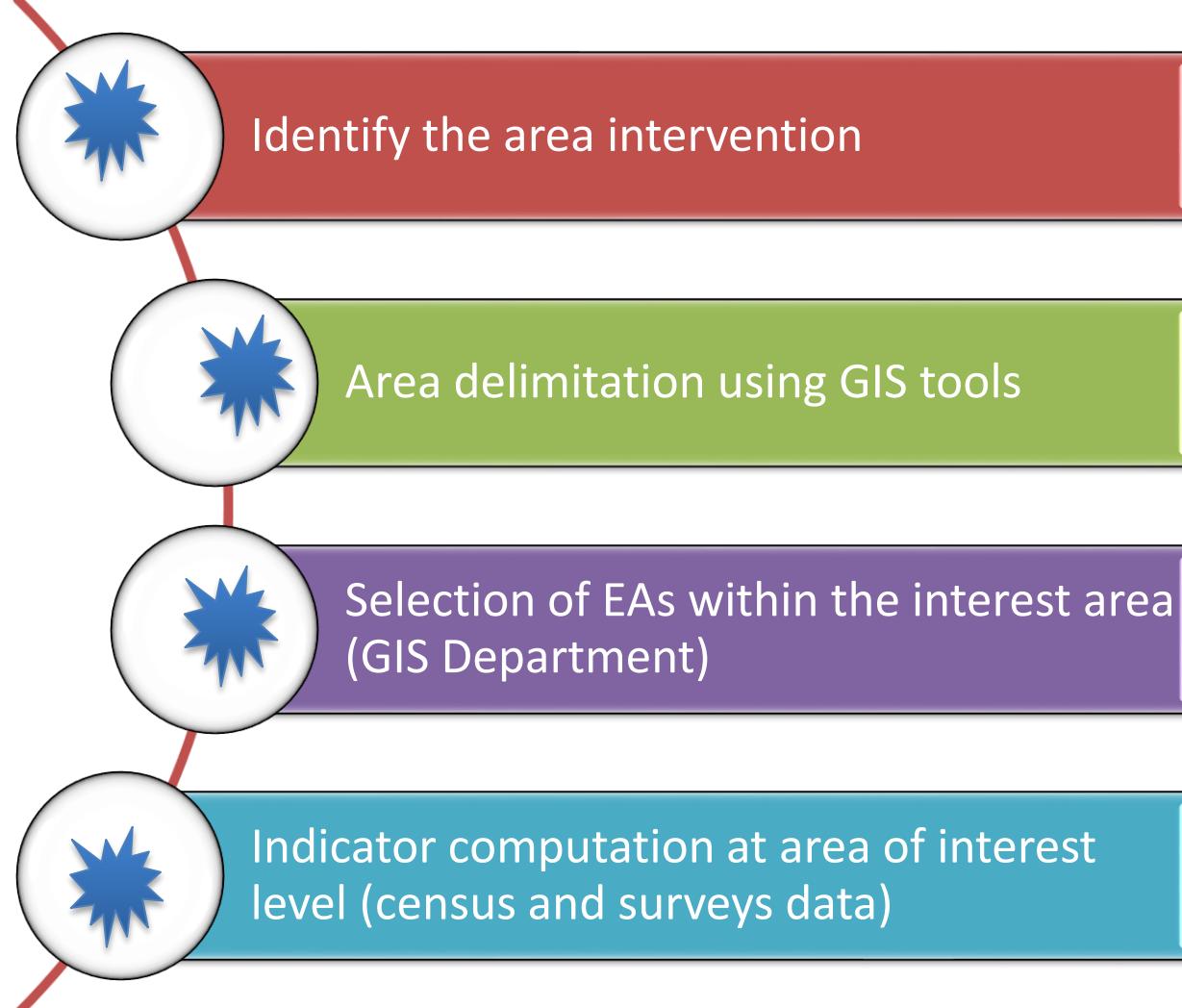
- ✓ System Alert based on GIS Data Base
- ✓ Indicators on disasters occurrence
- ✓ Indicators on Human Disaster Risk disaggregated by age and genre at national and local levels



احصائيات تونس
STATISTIQUES TUNISIE

Operationalization

INS ROLE



L COMPUTATION OF INDICATORS

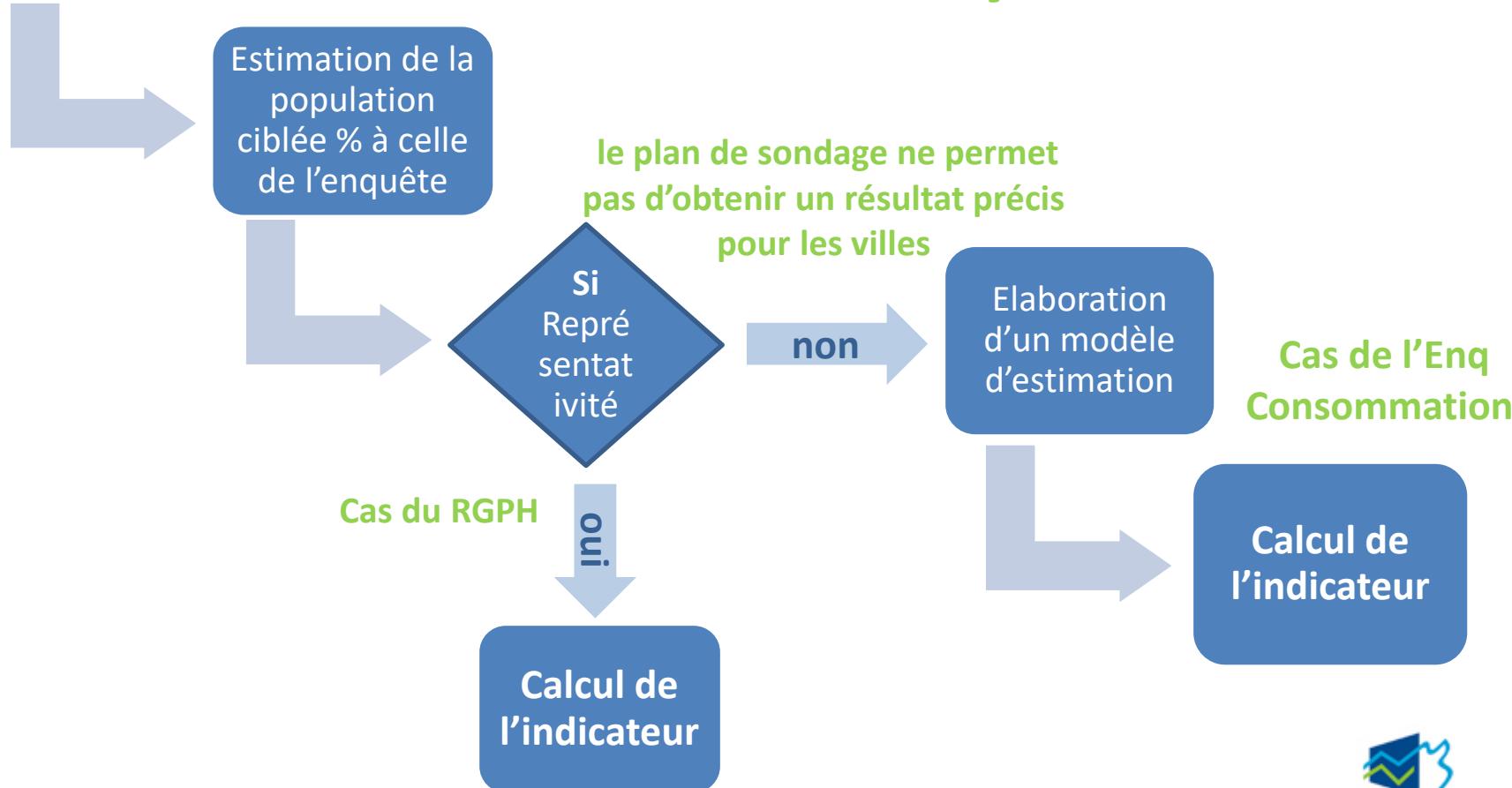
Collaboration Statisticians-geomaticians

- Define **methodologies** of computing indicators
- Generally use of **Census Data**
- **Specific indicators** : Use of survey data
 - ➡ **Small Area Estimation** on the basis of census data

INDICATORS COMPUTATION

Sélection des Districts (EAs) du RGPH couvrant la zone d'intervention

Indicators elaborated from census and surveys data



Challenges

- ❑ **Sustainability and Availability:** data just from censuses, especially for disaggregated data
- ❑ Most recent or reoccurring surveys only report data at **very high levels**
- ❑ Use of **alternative data:** Geospatial and Big Data
- ❑ **New Approaches** for indicators computation: projection, estimation models, spatial analysis ,...

Capacity Building : Collect-Exploitation-Analysis

شكرا على المتابعة

MERCI POUR VOTRE ATTENTION
THANK YOU FOR YOUR ATTENTION



احصائيات تونس
STATISTIQUES TUNISIE

Tunisia Urbanisation : Census data As a support

Census questionnaire (2014) (housing conditions)



يتطرق الفصل المخصص لظروف سكن الأسرة إلى المحاور التالية:

- حالة الإسكان؛
 - نوع المسكن ؛
 - المواد الأساسية لبناء الجدران؛
 - المواد الأساسية لبناء السقف ؛
 - المواد الأساسية لتعطية الأرضية؛
 - عمر المسكن؛
 - صفة الحيازة؛
 - كيفية استعمال تجهيزات المسكن؛
 - مصادر التزود بالماء والكهرباء؛
 - طريقة تصريف المياه المستعملة؛
 - طريقة التخلص من النفايات؛
 - المواد المستعملة في الطبخ؛
 - التوفر على بعض التجهيزات المنزلية كالمنياع والتلفاز والثلاجة والهاتف الثابت والهاتف النقال والحاسوب والأنترنت و الصحن الهوائي؛
 - المسافة الفاصلة بين المسكن وأقرب طريق المعبدة في الوسط القروي.