



Statistical analysis of geospatial (environmental, social, etc.) information, and relevance of SDI's and international standards

Presented by: MennatAllah Hashim

Senior GIS Developer,

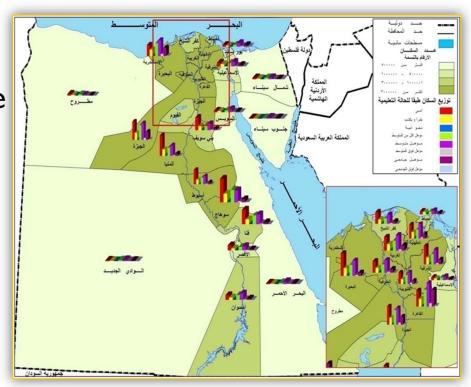
Central Agency for Public Mobilization and Statistics (CAPMAS)

Agenda

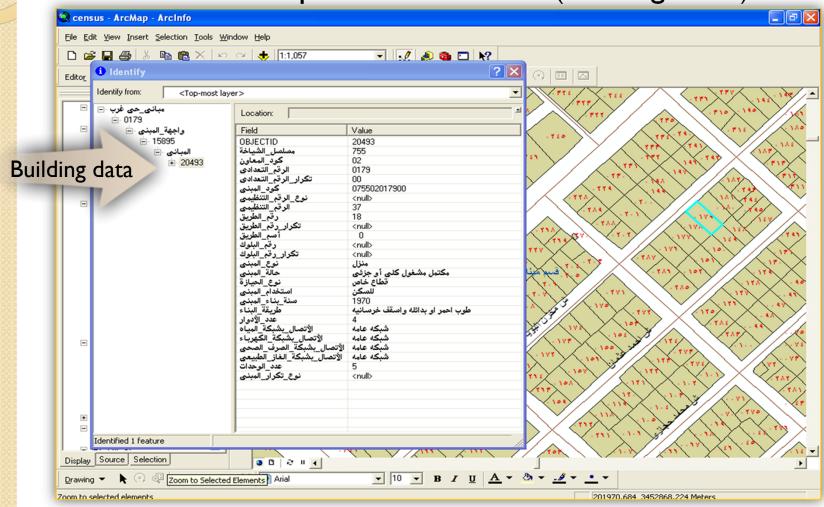
- 1. Census and Geospatial Information.
- 2. National surveys and Geospatial Information (Income and Expenditure survey).
- 3. Web Based application for telecommunication infrastructure indicators.
- 4. Next approaches.

- The first Egyptian census was in <u>I 882</u>
- The last census was in 2006
- The next census will be in 2016 (14 th)

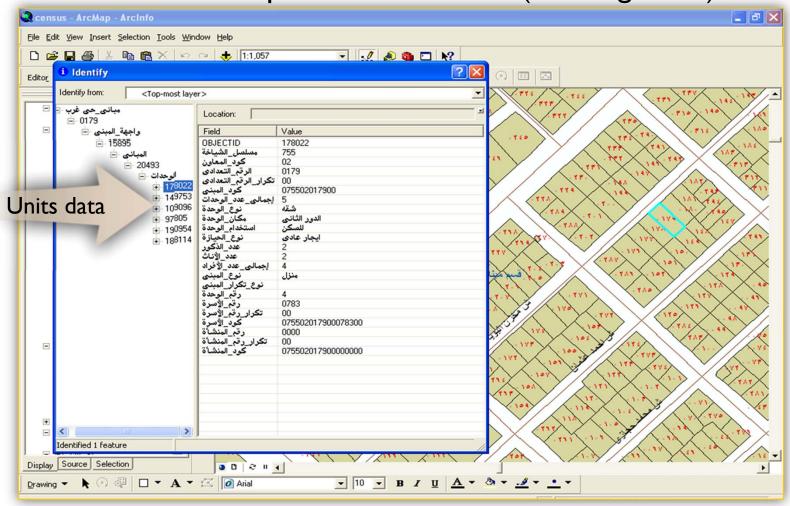
- In Census 2006 we joined the results with:
 - A. Summarized administrative level
 - I. Governorates
 - II. Qism Markaz
 - III. Shyakha Village



- In Census 2006 we joined the results with:
 - B. Detailed Maps with scale 1:500 (Building Level)

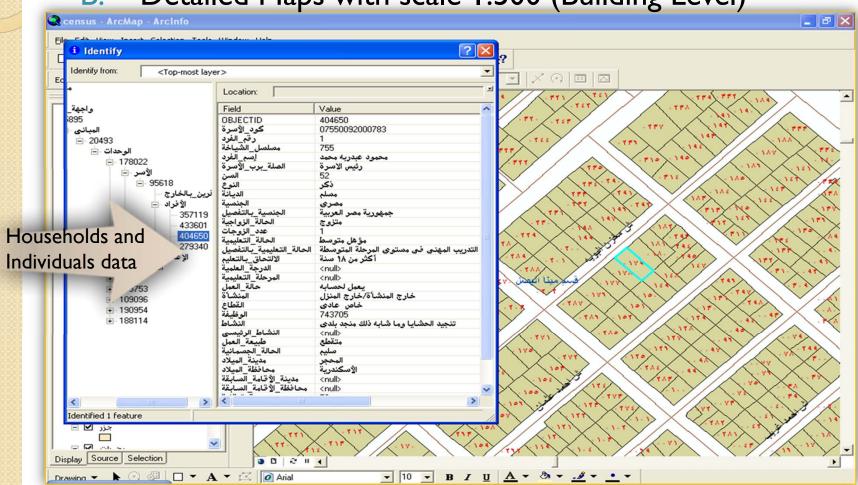


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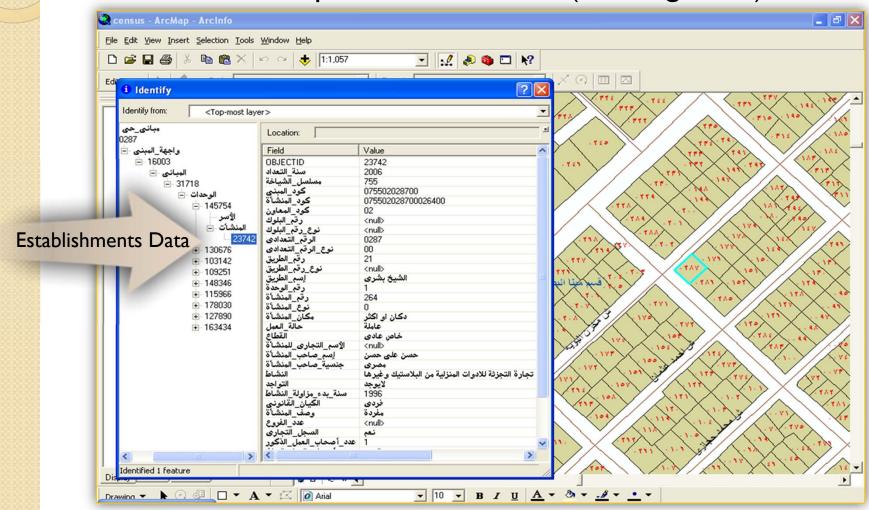


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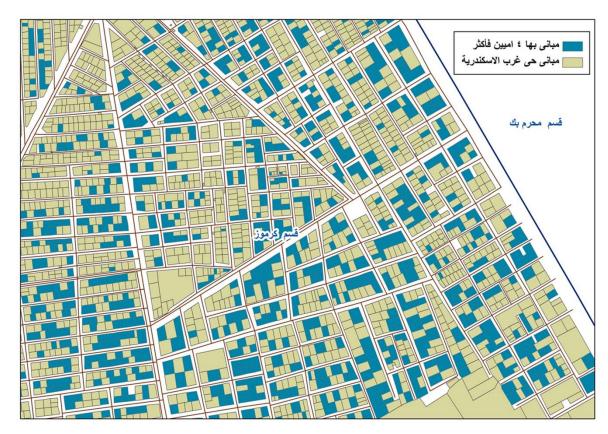


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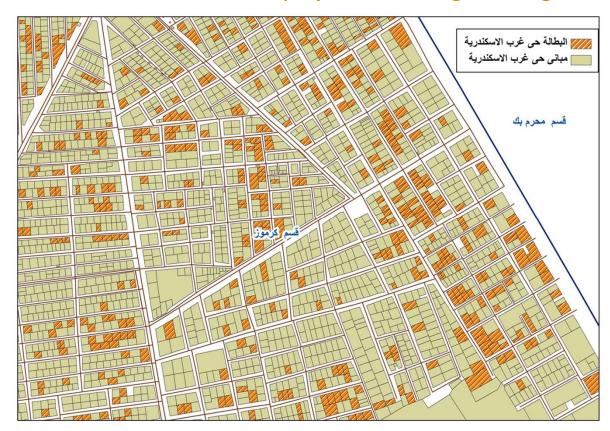
- In Census 2006 we joined the results with:
 - B. Detailed Maps with scale 1:500 (Building Level)
 - Produce different analysis such as:

Distribution of illiteracy among buildings



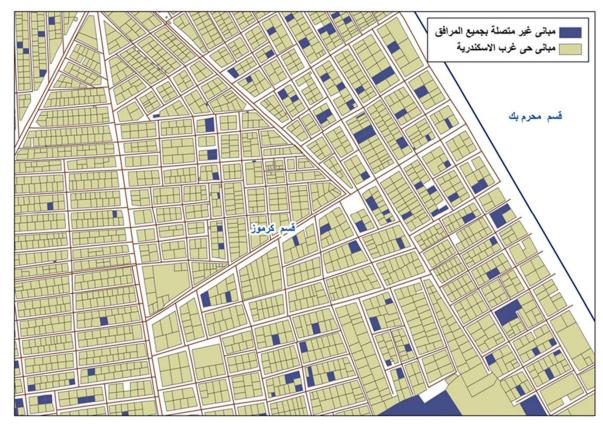
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Distribution of unemployment among buildings



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 - Produce different analysis such as:

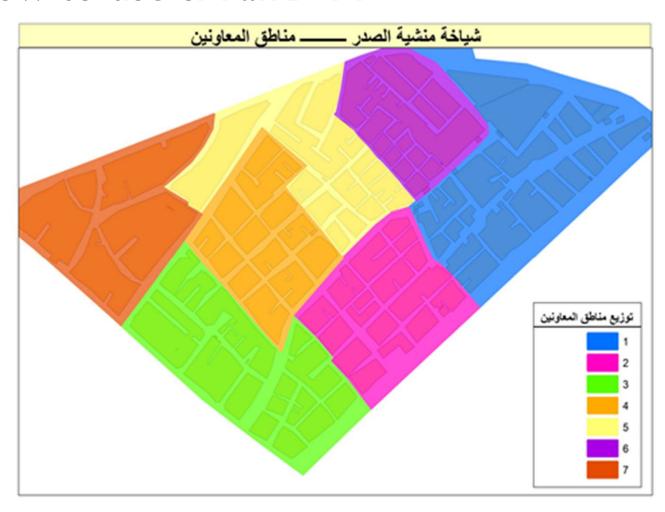
Distribution of Dis-connection with infrastructure services among buildings



 In Census 2006 we used to divide the supervising areas using streets not EA
 so we didn't put the results and analysis on that



 But for census 2016 we are preparing now to use SA and EA



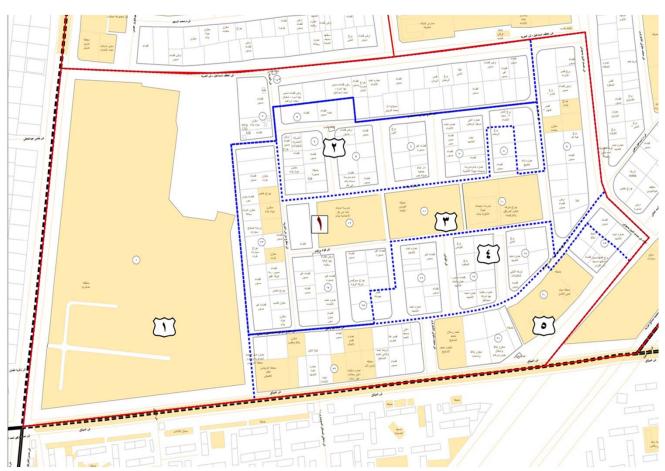
- Therefore in 2016 the results will be joined with:
- Administrative level
- 2. SA
- 3. EA
- 4. Block
- 5. Building



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2- National surveys and Geospatial Information (Income and Expenditure survey).

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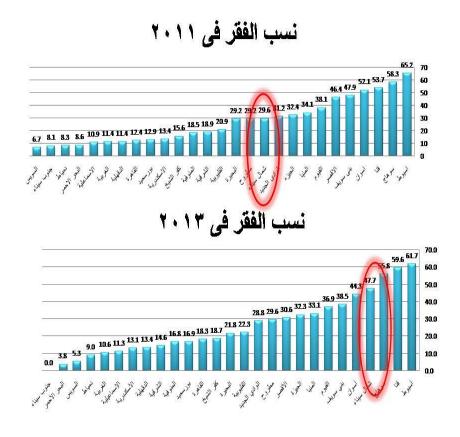
- CAPMAS Produces Income and Expenditure survey every 2 years, the last one was (2012 – 2013).
- The main produced data from this survey is:
 - The percentage of poverty and inequality among the country.
 - The different levels of expenditures.
 - Poverty Gap.....etc.



- Till 2009 CAPMAS used to Publish the results of this survey as:
 - Digital or paperedTables
 - 2. Charts
 - 3. Static thematic maps

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TY_T	TY.0	الجيزة
T+.1	1,1	الأقصر
Y9_3	Y9,Y	مطروح
4A_A	W1,W	قوادي قجنيد
YY_F	P. Y	القيربية
Y1_A	Y4,Y	البحيرة
14.4	10.4	كفر الشيخ
14,5	17.0	القاهرة
17,1	17,9	بورسعد
13,4	14.0	المنوفية
11.7	14,9	لشرقية
17.1	11.5	التقهلية
17.1	17.5	الأسكنرية
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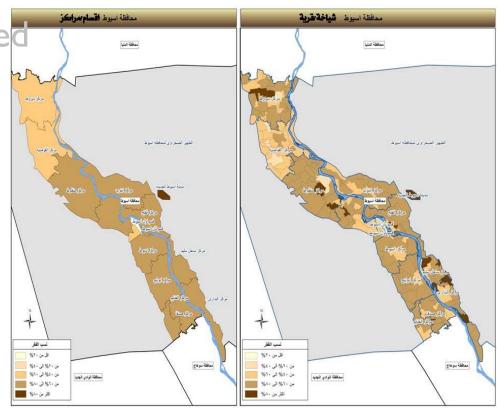
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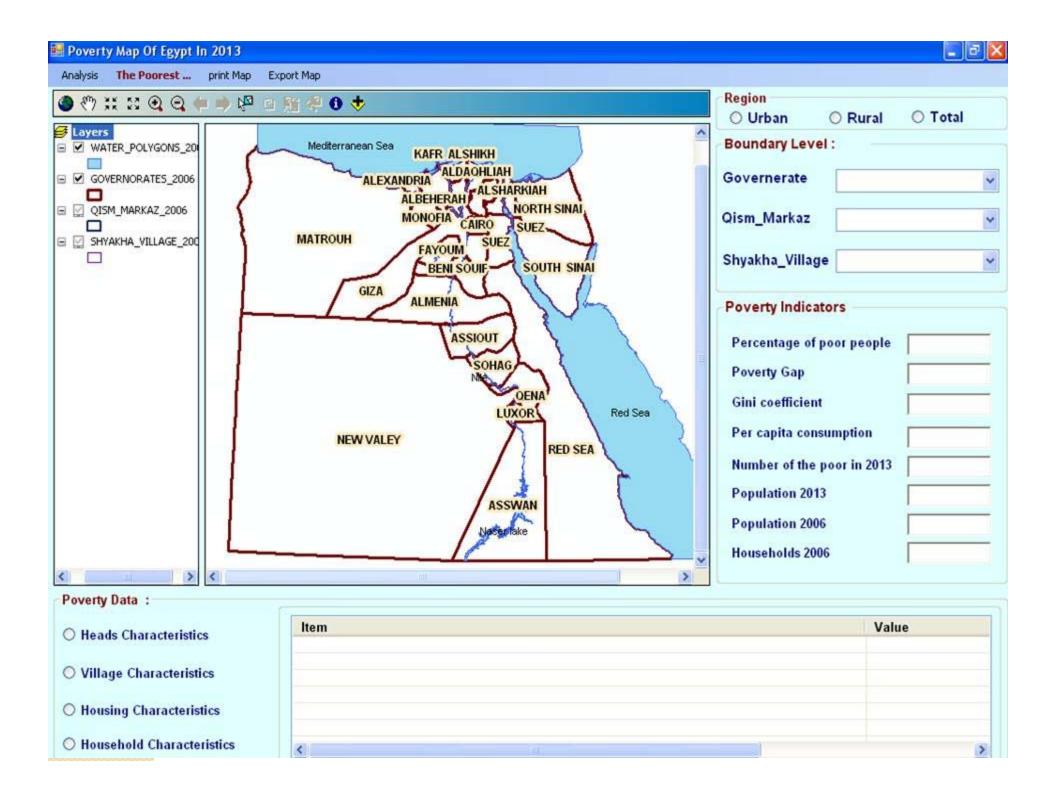


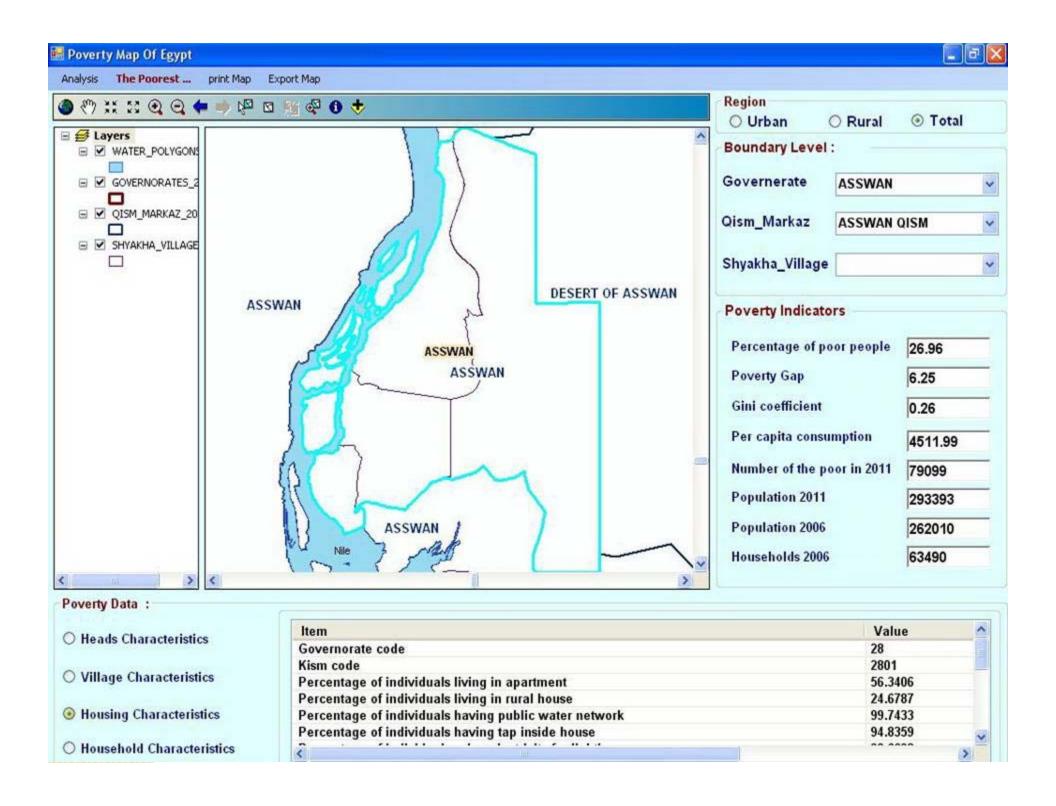
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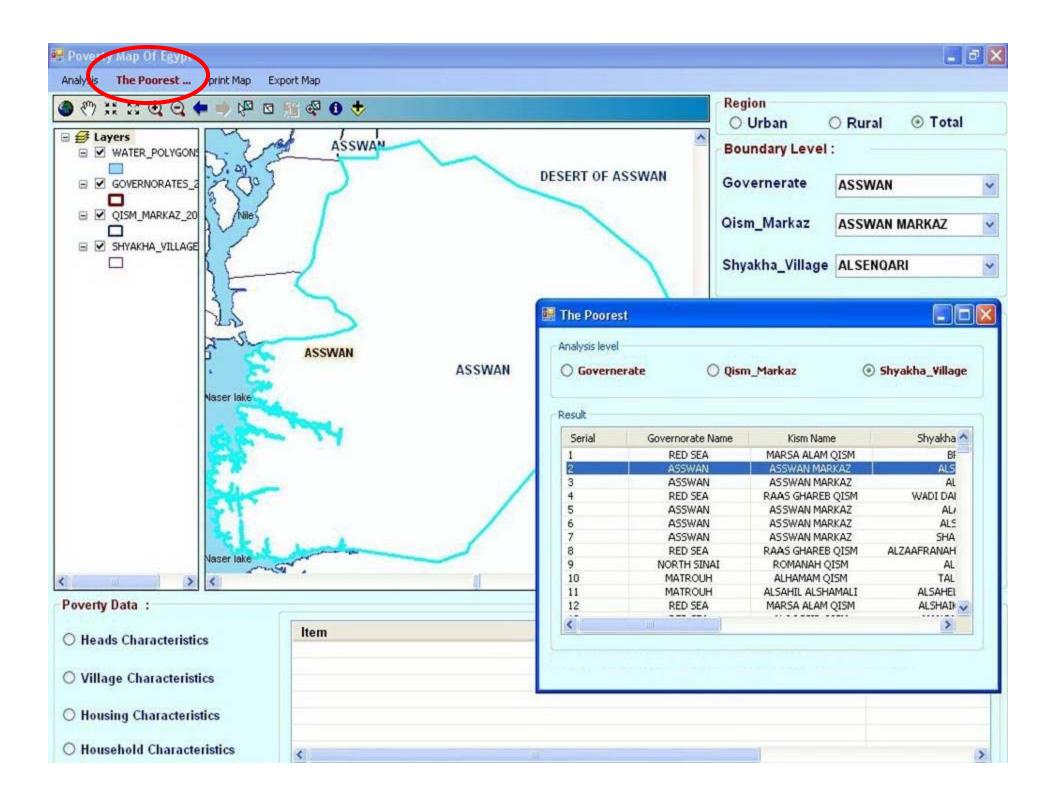
I. Digital or paperedTables

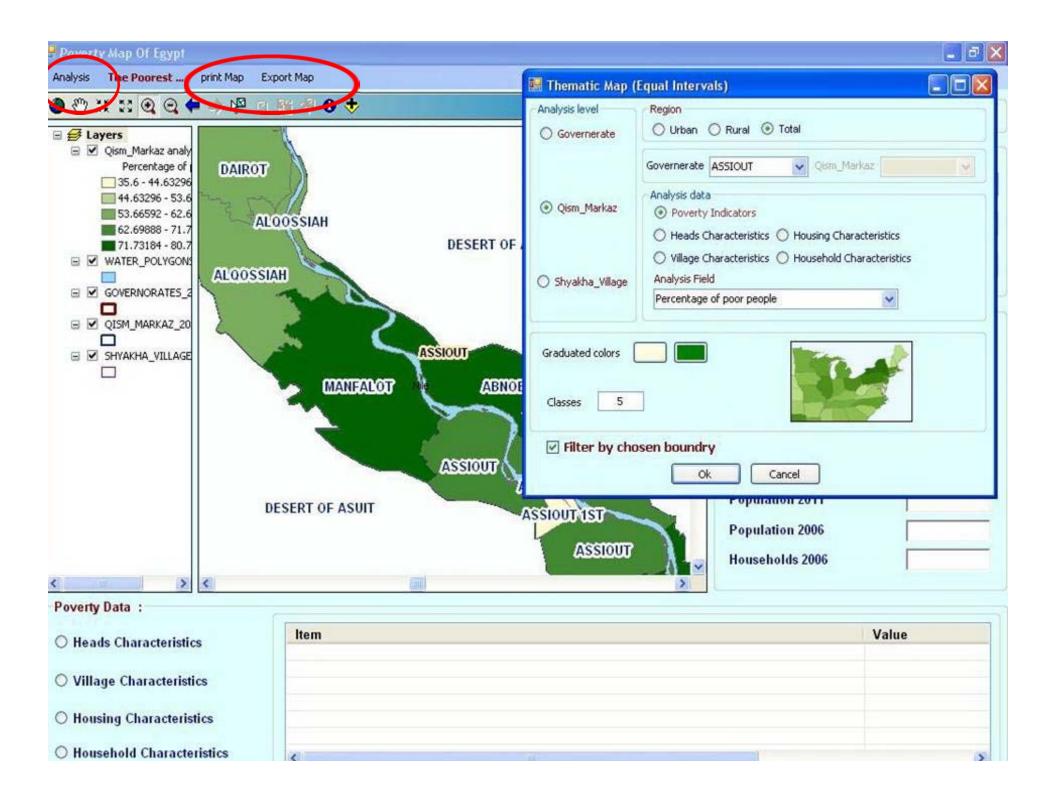
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2- National surveys and Geospatial Information (Income and Expenditure survey).

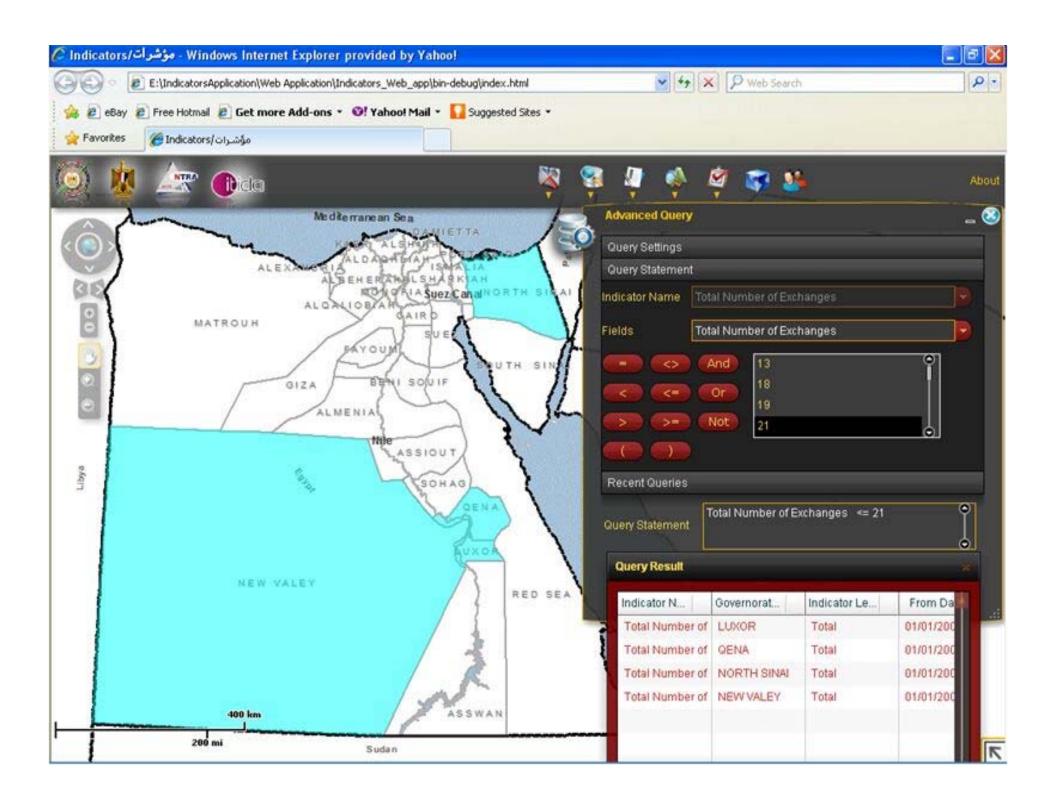
"Location Information for decision support"

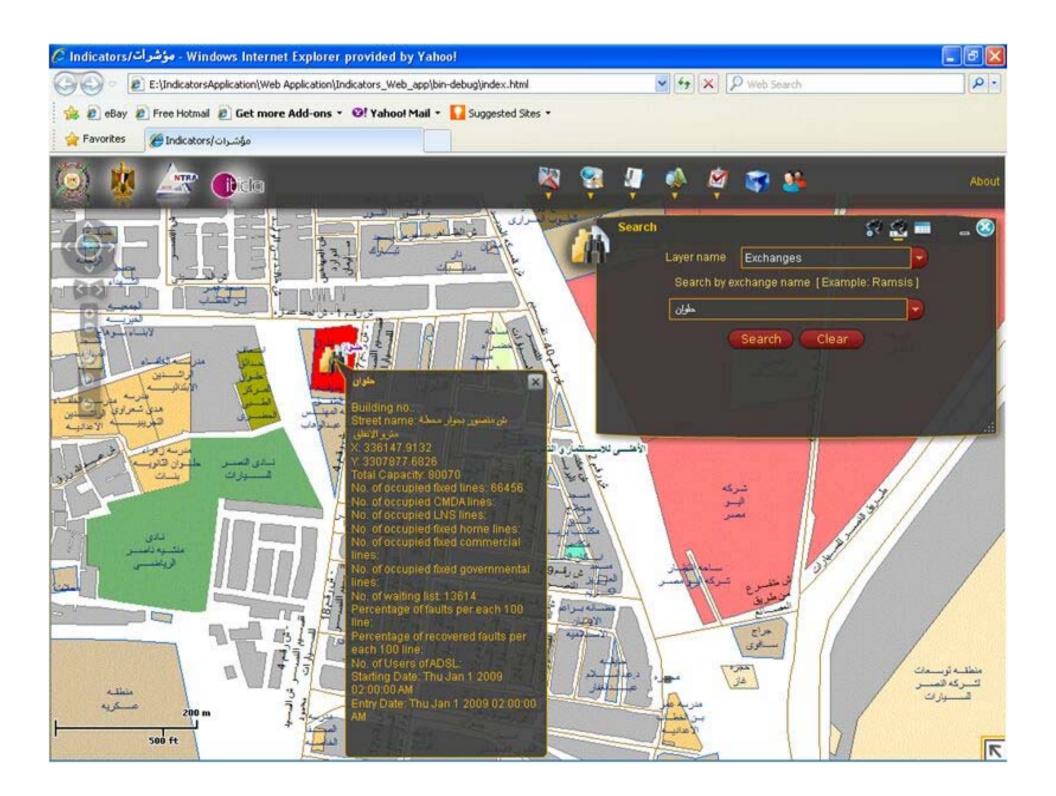
- This application has been Distributed among all the Egyptian ministries, governmental and social agencies.
- CAPMAS dedicated a training groups to help all the ministries in using the application.
- Saving Time and money.
 - As they now can know:
 - Where is the poor people.
 - Why they are poor.
 - What are the points of shortage in distributing the main and essential services
 - Where to improve this services.

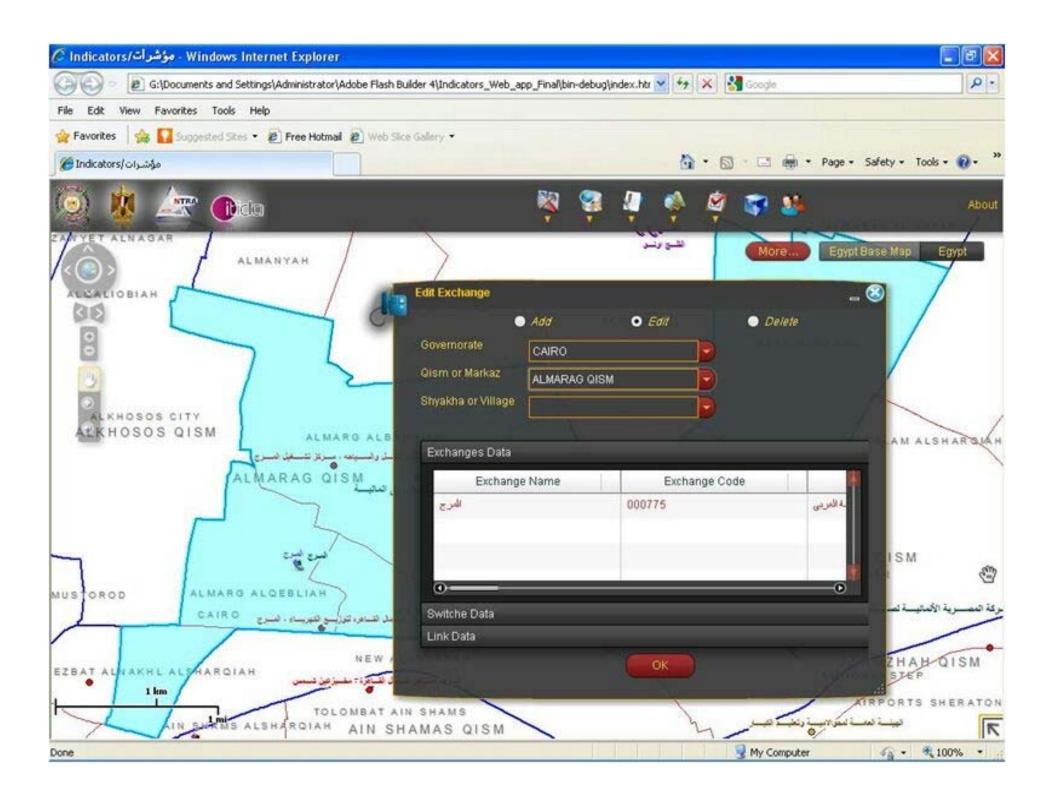
"So they can take the right decision"

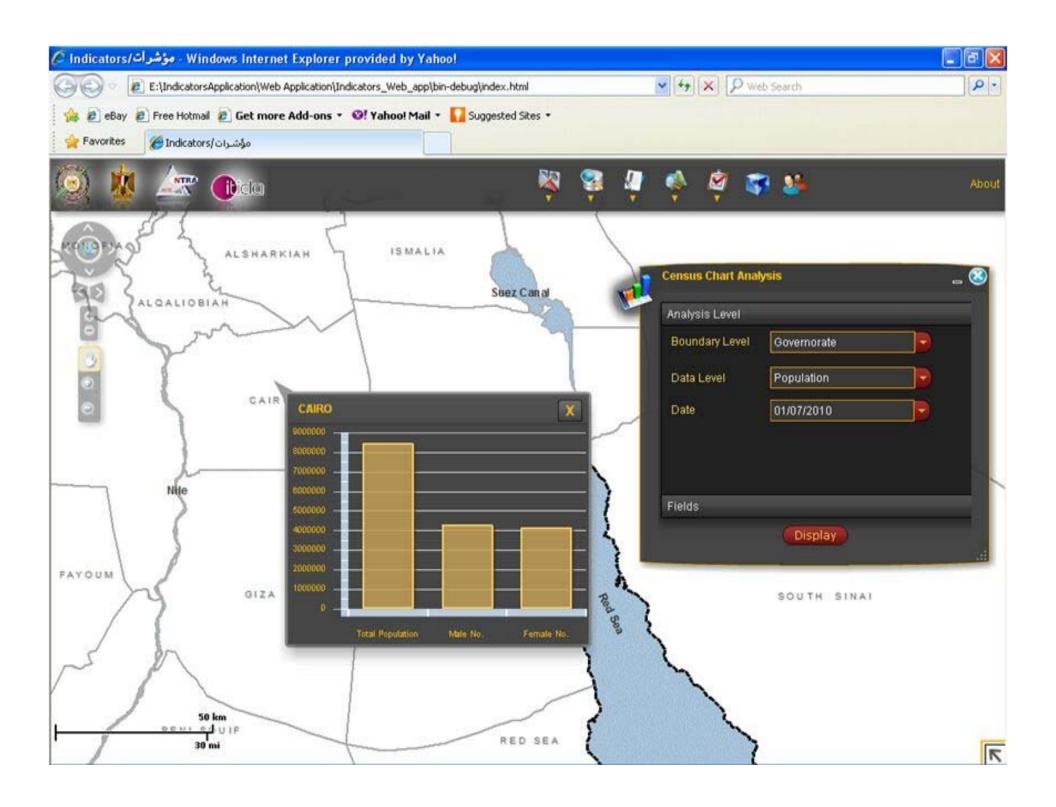
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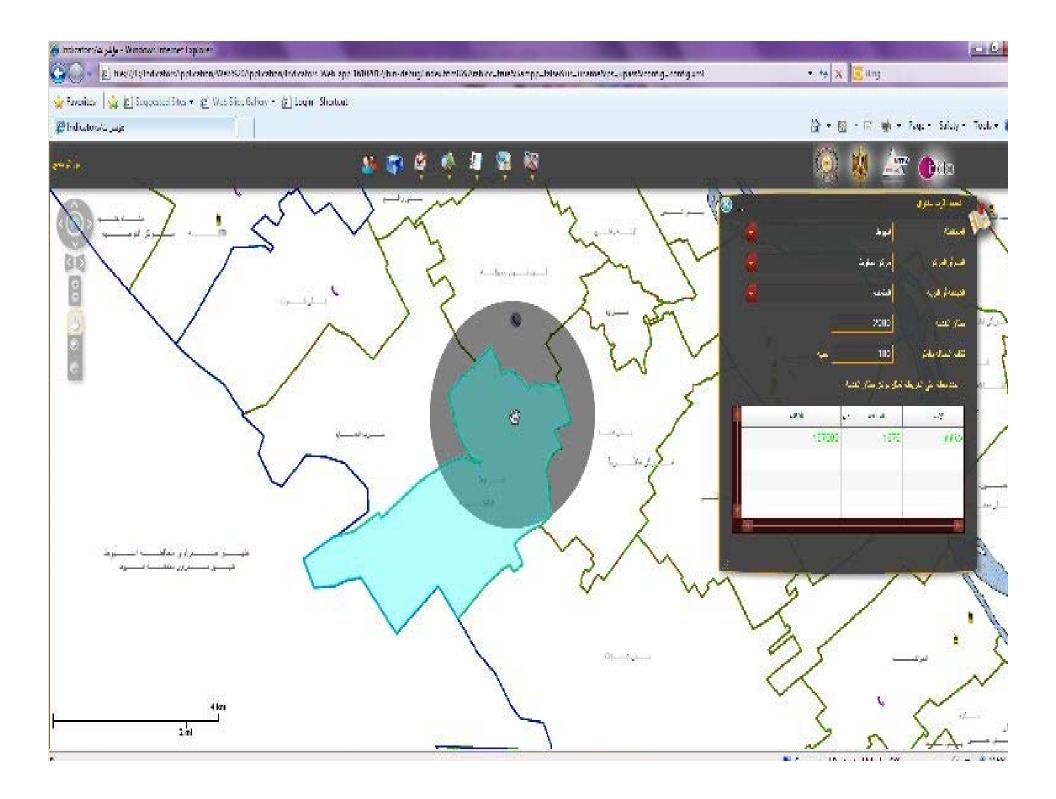


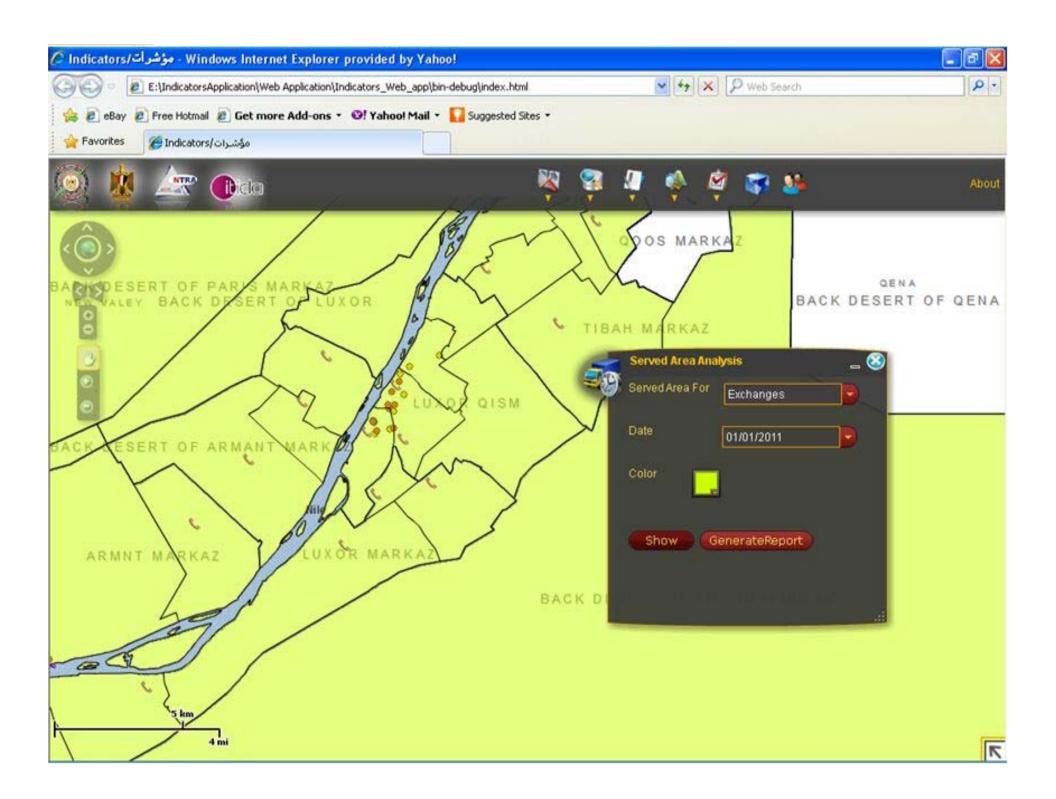












4- Next approaches

SDI

- Collecting data and maps from different ministries.
- CAPMAS trials before 2011 with prime ministry.
- CAPMAS trials in 2014.

CAPMAS

- Preparing for the next census using all the standard considerations.
- Preparing digital maps for the whole country (Urban – Rural) using maps with scale 1:500.
- Preparations for the Fountian Geodortal

Thanks

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