

Central Agency for Public Mobilization And Statistics

Egyptian E-Census

An Integration between Spatial and Statistical information



Agenda

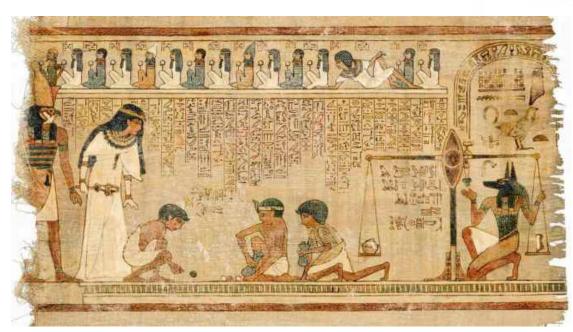


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Egypt and census
        Census 2017
  National Spatial ID
IV
     Global Statistical Geospatial Framework
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I. Egypt and Census

First census in Egypt: Pharos era

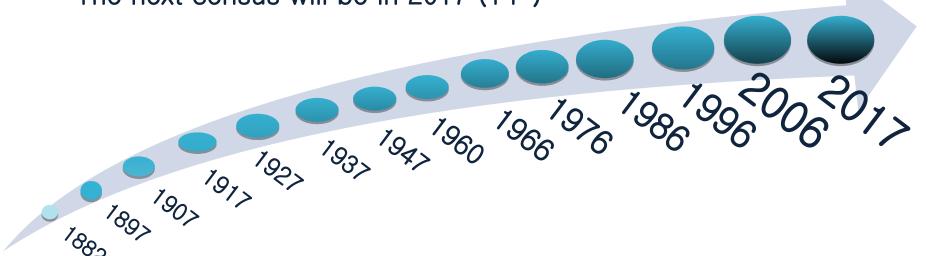
(1550 **1070** BC)



I. Egypt and Census

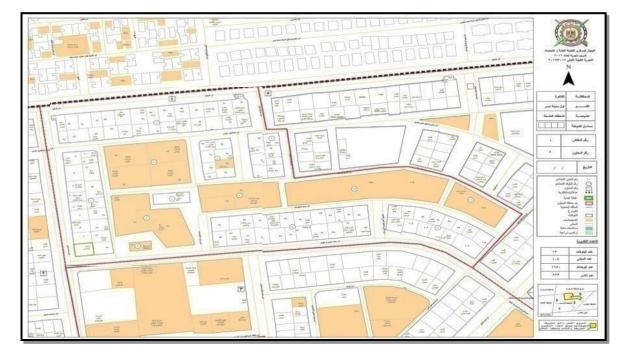


- The first documented census was in 1882
- The next census will be in 2017 (14th)



New approaches in Census 2017

Census Mapping (digital Maps Scale 1:500)



New approaches in Census 2017

Census Mapping (digital Maps Scale 1:500)

Covers 100 % of Egyptian Land

Census	Census 2006		
% 100	% 70	Urban	
% 100	% 0	Rural	



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2-During Enumeration Stage





3- Results Dissemination Stage



Census Mapping

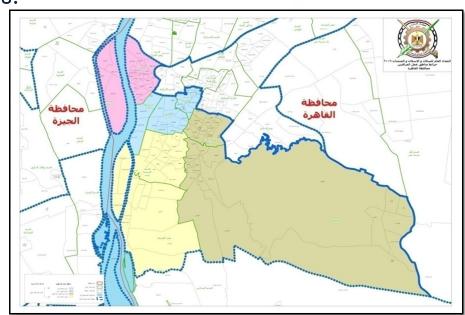
The main advantages of using census mapping are:

- Ensuring Maps consistency and facilitating census operations (pre-enumeration phase).
- Figure out the labour force required during census (pre-enumeration phase).
- Supporting data collection stage in order to eliminate overlapping or omission of enumeration areas and also can help to monitor census activities (during-enumeration).
- Maps make it easier to present, analysis and disseminate census result (post-enumeration) by using spatial analysis techniques for producing statistical thematic maps.

1 – Preparations (Pre-Enumeration):

i. Updating the administrative boundaries.

- ii. Updating the base maps using new satellite images.
- iii. Updating the base maps using field survey.



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i. Updating the administrative boundaries.

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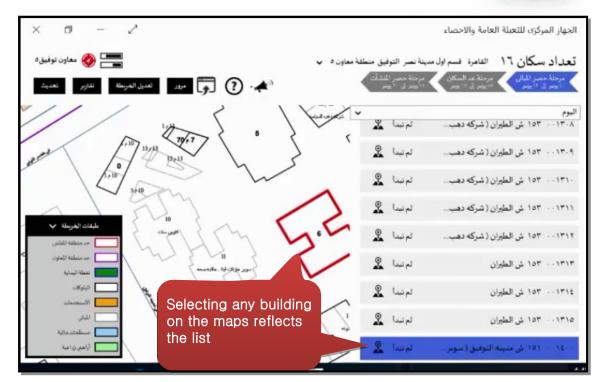
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- Accuracy
- GPS
- Spatial and tabular Update
- Automatic Synchronization



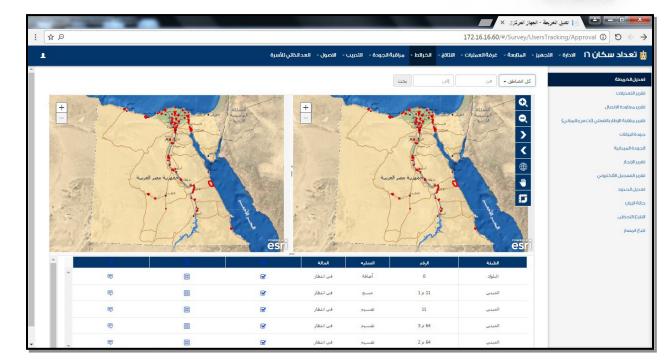
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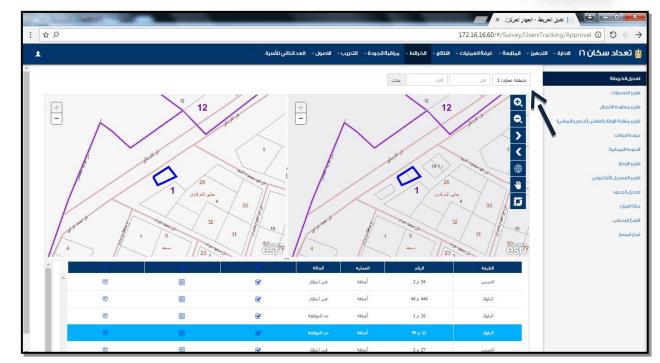
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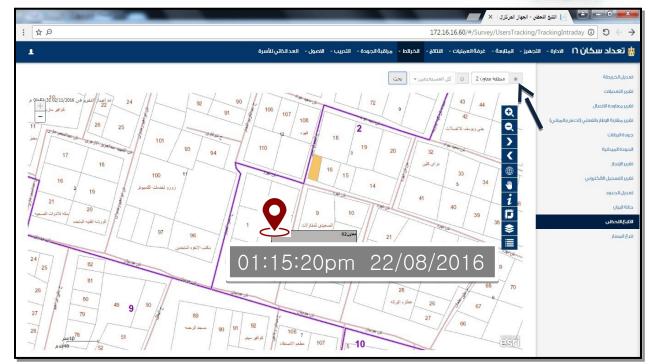
- I. Full Reporting
- II. Management system
 - Central Management
 - Updates Alerts
 - Tracking
 - Routing



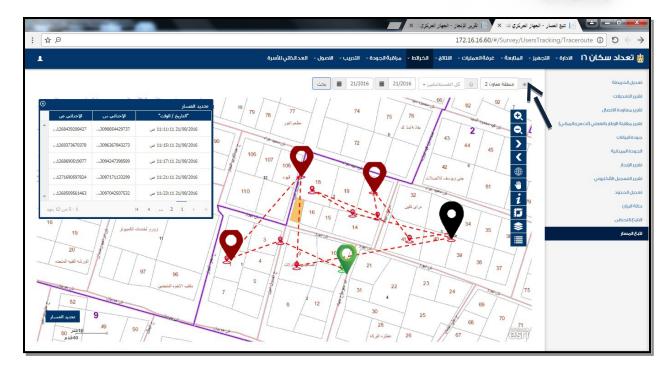
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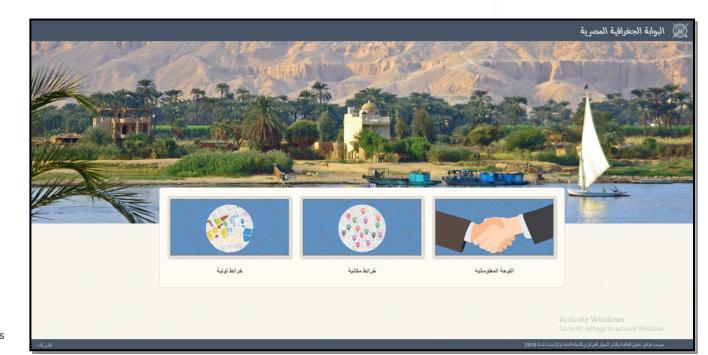
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3- Results Dissemination:



Egyptian Geo-Portal





3- Results Dissemination:

Geo-Portal dissemination

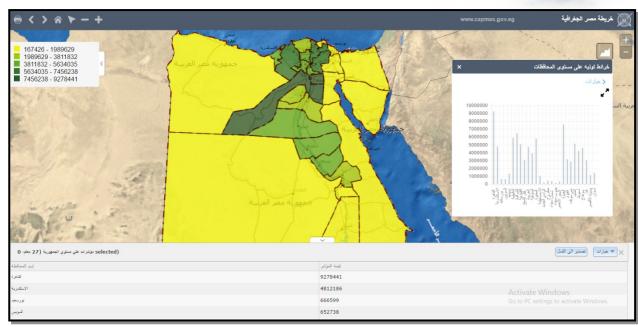
A- Summarized administrative level B- Detailed informative level



3- Results Dissemination:

A. Summarized administrative level

"Governorates Level"



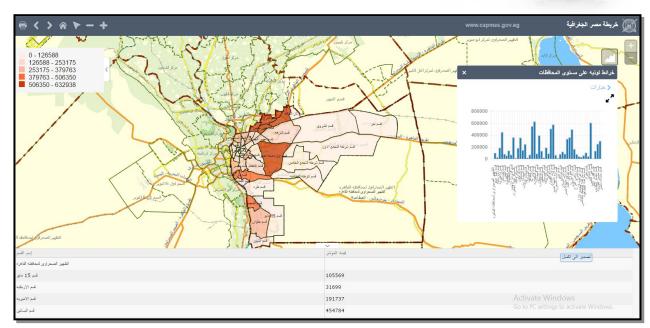
Population Distribution among Egyptian Governorates



3- Results Dissemination:

A. Summarized administrative level

"Sections Level"

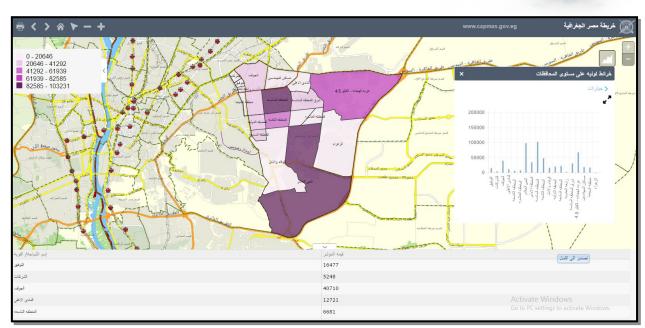


Population Distribution among Sections of Cairo Governorate

3- Results Dissemination:

A. Summarized administrative level

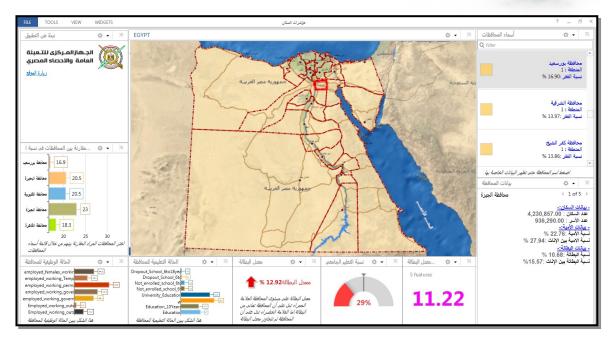
"Sub-Section Level"



Population Distribution among Sub Sections of Nasr City Section

3- Results Dissemination:

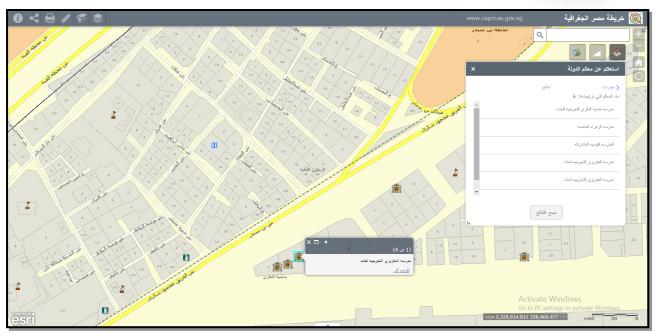
A. Summarized administrative level



Dash Board System

3- Results Dissemination:

B. Detailed informative level



Schools Locations



- Egypt is working on establishing a NSDI
- Obstacles:
 - Unified Base-map
 - Geocoding system
 - Administrative Boundaries



- Is a unique number for each unit within the building.
- Is produced automatically from digital maps.
- Giving a fixed number for the unit linked to its geographical location which does not change with the administrative boundaries change.
- To organize, evaluate and follow-up of local government services such as electricity, natural gas, sewage



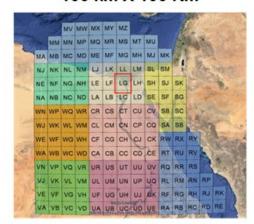


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100 km X 100 Km

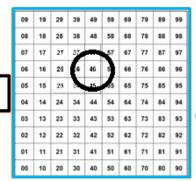
Grid Based System



LG

1 km X 1 Km

LG 72 46



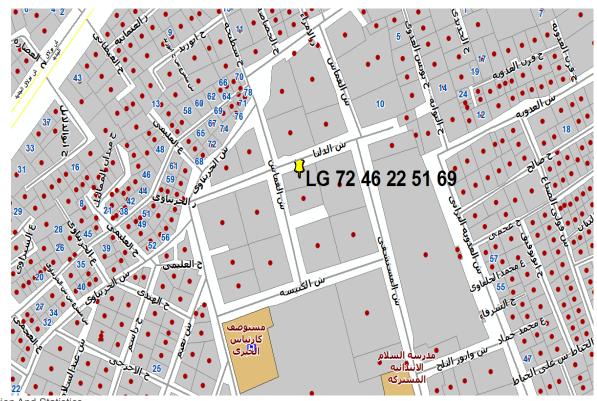


09	19	29	39	49	59	69	79	89	99
80	18	28	38	48	58	68	78	88	98
07	17	27	37	47	57	67	77	87	97
06	16	26	36	46	56	66	76	86	96
05	15	25	35	45	55	65	75	85	95
04	14	24	34	44	54	64	74	84	94
03	13	23	33	43	53	63	73	83	93
02	12	22	32	42	52	6:	72	2	92
01	11	21	31	41	51	61	-	81	91
00	10	20	30	40	50	60	70	80	90

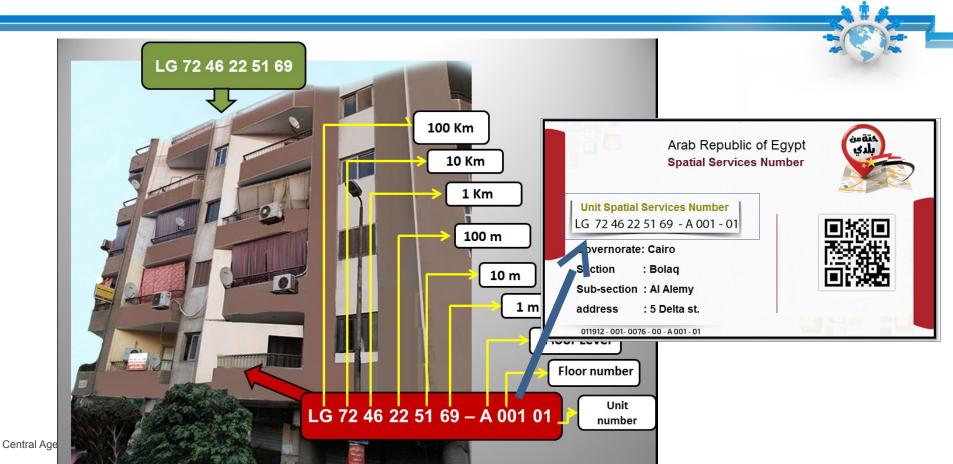


LG 72

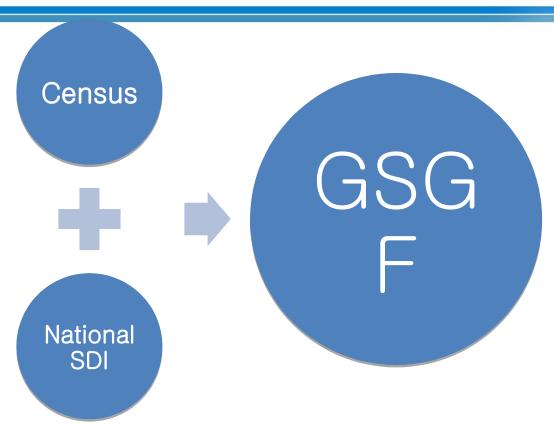




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III. Global Statistical Geospatial Framework





III. Global Statistical Geospatial Framework



Thanks

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