

Geo-Coded Cultural Heritage Content: CULTNAT's GIS of Architectural and Urban Heritage

Presented by:

Malak WAHBA
Assistant Director and
Head of Tangible Heritage Section
CULTNAT, Bibliotheca Alexandrina

www.cultnat.org



CULTNAT... establishment and mission

Center for Documentation of Cultural and Natural Heritage Founded in January 2000 Under the auspices of the Egyptian Ministry of Communication and Information Technology

Part of its e-heritage programme

Affiliated to Bibliotheca Alexandrina since February 2003 Maintained the support of MCIT



CULTNAT... board of directors

Representative of the Ministry of Communication and Information Technology

Representative of the Ministry of Culture

Representative of the Ministry of Environment



CULTNAT... establishment and mission

Center for Documentation of Cultural and Natural Heritage

- to carry out the documentation of Egyptian heritage both cultural and natural
- ongoing documentation programs
 - The archeological map of Egypt
 - The architectural and urban heritage of Egypt
 - Egyptian cartographic heritage
 - Egyptian intangible heritage
 - Egyptian arts and music
 - The photographic memory of Egypt
 - Islamic scientific manuscripts
 - The natural heritage of Egypt...
- using the latest information technology in doing so
- cooperating with local and international organisations
- to raise public awareness towards that heritage





PART I: Architectural and Urban Heritage Program





The documentation of Egyptian 19th and 20th century architectural and urban heritage

Program initiated by CULTNAT to carry out:

Systematic inventories of architectural and urban heritage

Photographic documentation

Geographic information systems (GIS)

Databases for information

Collection of massive archival material (maps, architectural drawings, old photographs...)



Downtown Area of Cairo

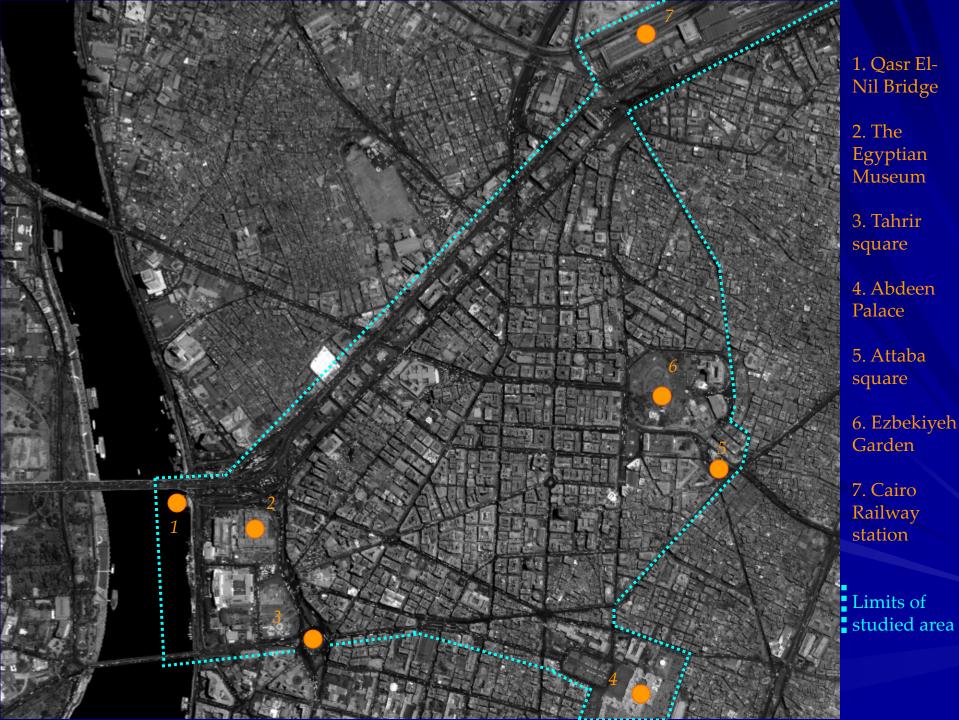
Initiated in July 2000

GIS of 550 historic buildings photographed and documented

Archival material (maps, architectural drawings, old photographs...)

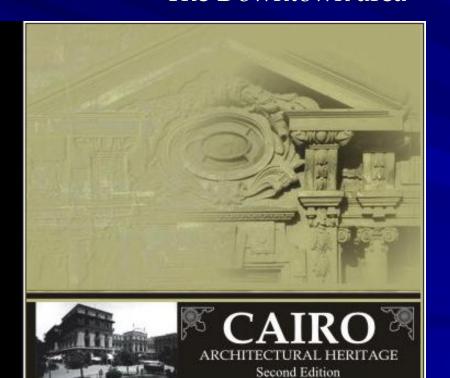
Exhaustive bibliography collected

Virtual visits and 360-degrees panoramas for squares and main street intersections



Downtown Area of Cairo

CD-Rom (2nd edition)
Cairo: 19th and 20th century architectural
heritage
The Downtown area (GIS)



19 " and 20 " Century Architectural Heritage of the Downtown Area

(GIS) of over 540 buildings information actual photographs old photographs historic maps

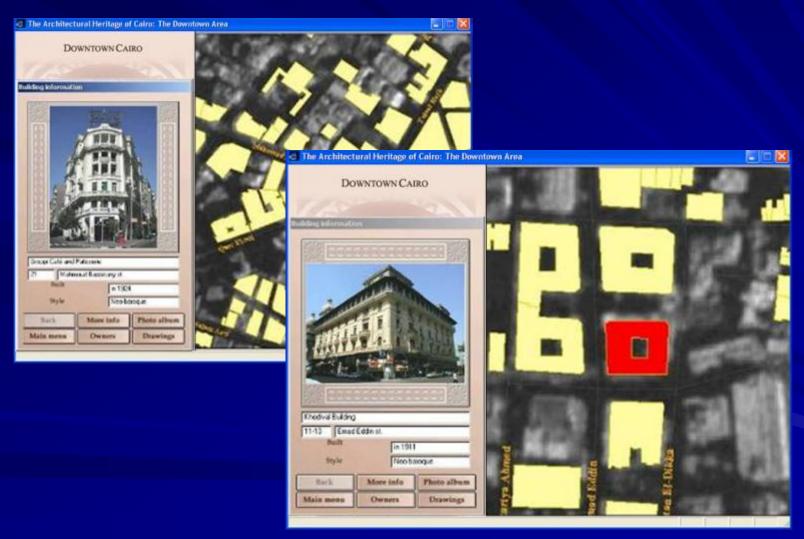
panoramic shots of squares intersections

bibliographic list of readings

city's history 'Cairo in few words'.

CULTNAT

Downtown Area of Cairo





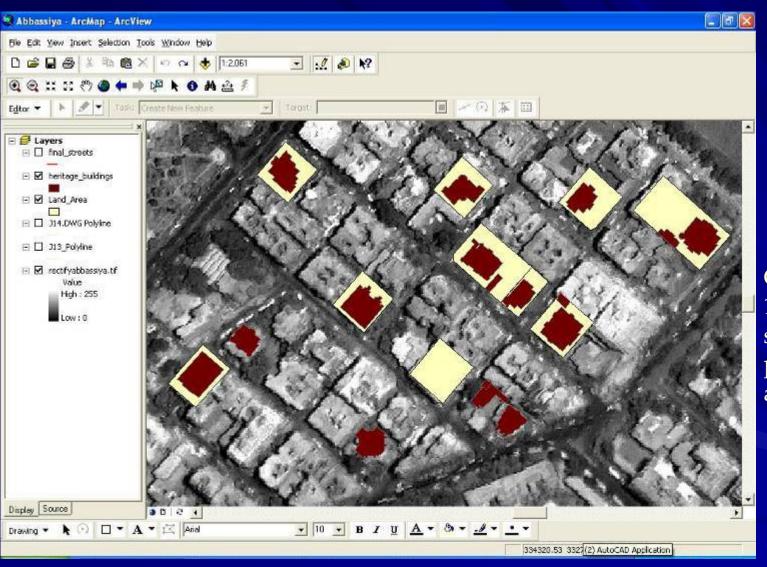
'Abbassiya' in Cairo

1. Residential area

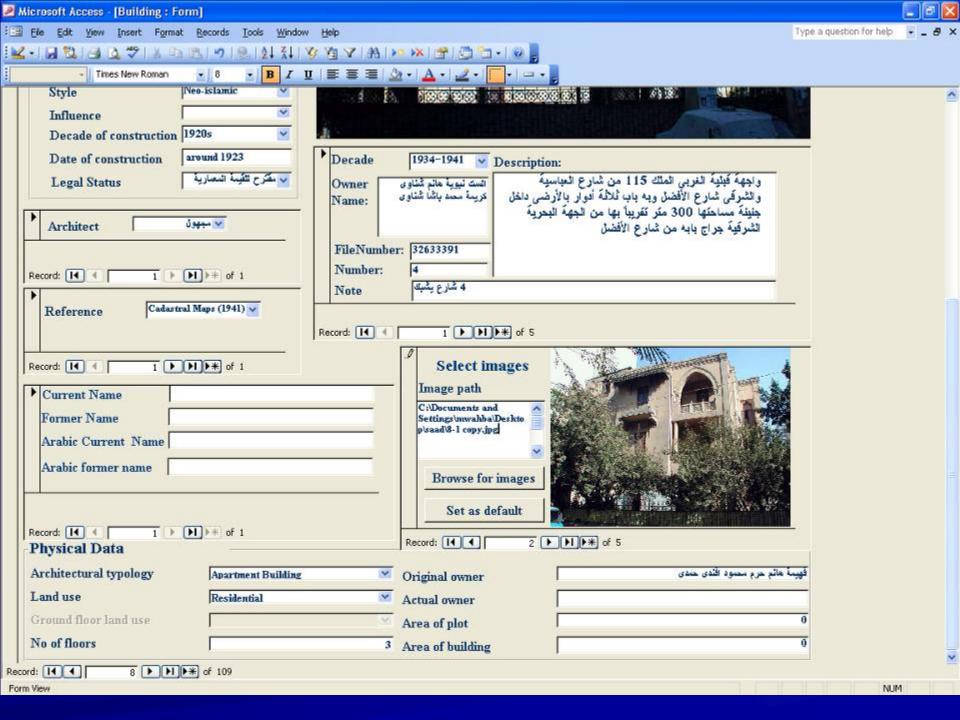
2. Public services area



'Abbassiya' in Cairo



GIS
190 buildings
surveyed,
photographed
and documented



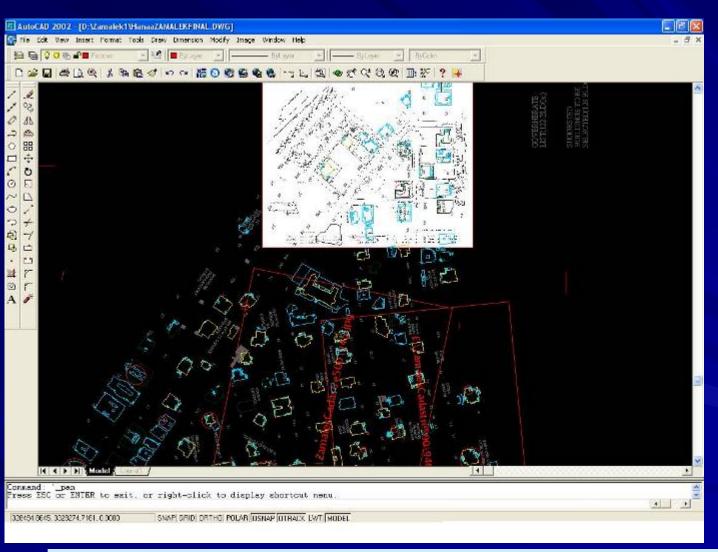


in collaboration with the 'Center for Architectural and Engineering Design Support' CAEDS, Faculty of Engineering, Cairo University

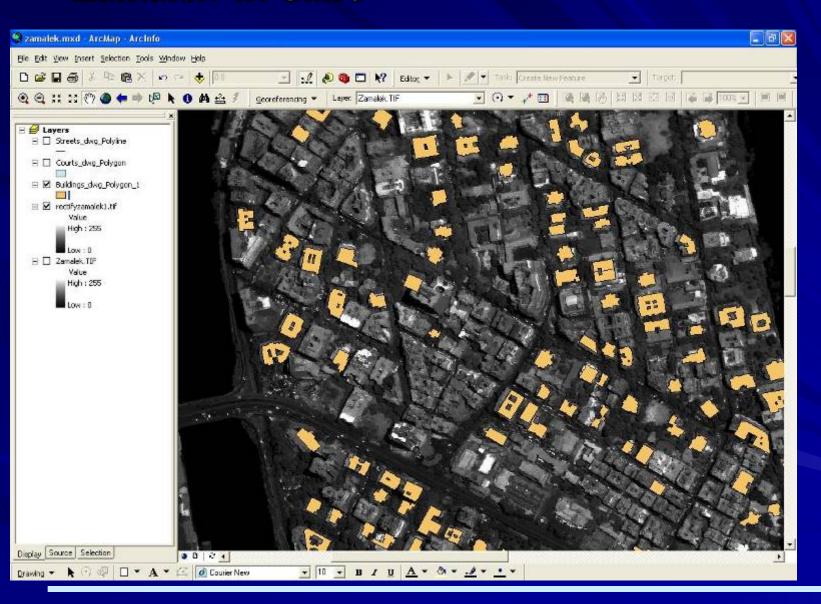
> 1. The Cairo Marriott Hotel

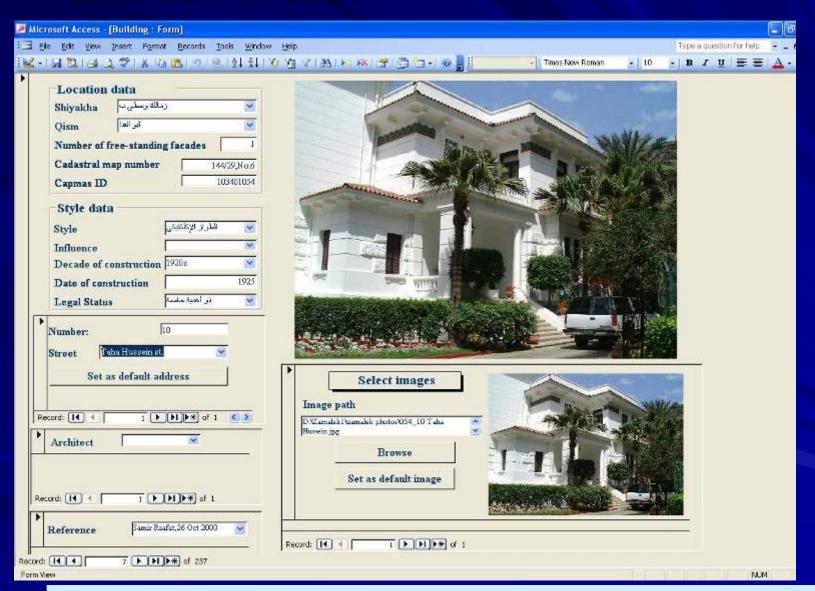
2. Gezira Sporting Club

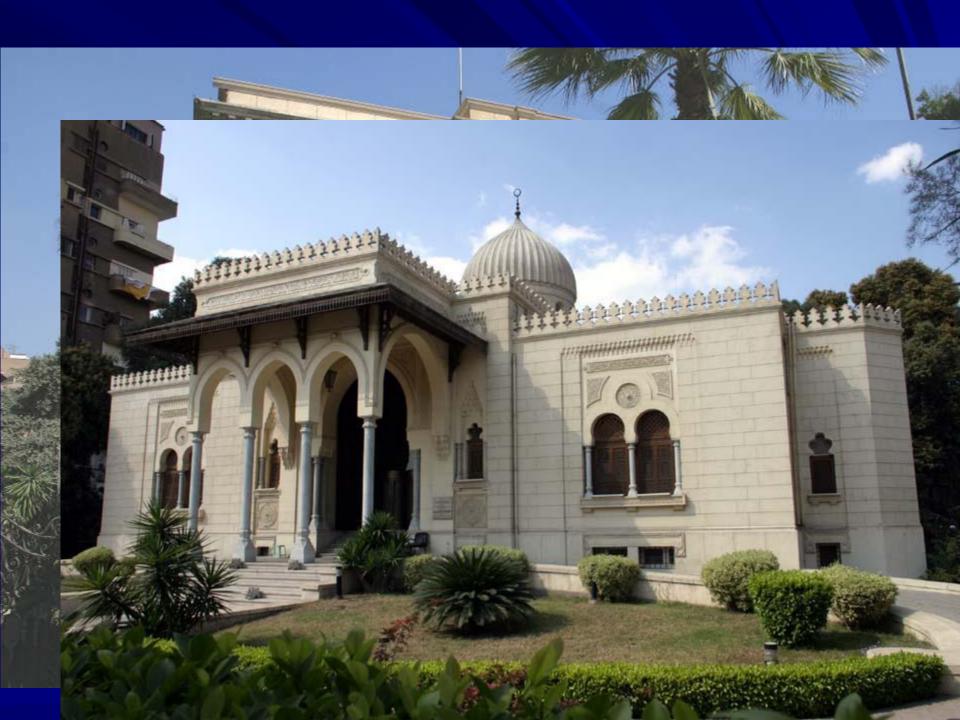




GIS 220 buildings surveyed, photographed and documented









Gouvernement Egyption, Ville on Caire.

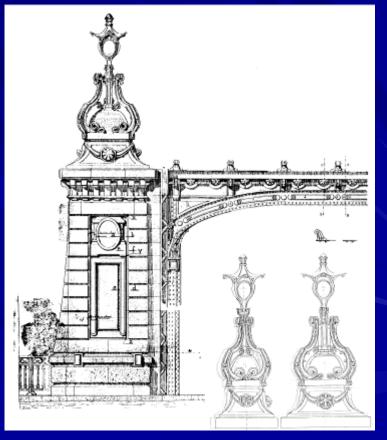
Pont-route sur le Kil à Boulac.

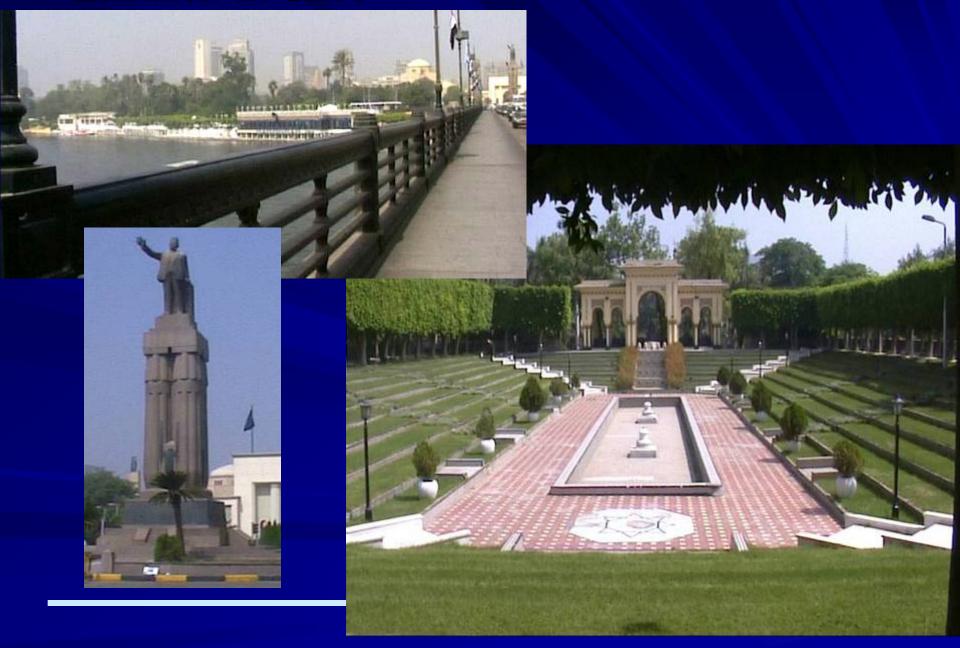
Maçonneries.

Détail ses culées et re leurs raccorrements avec les murs se quai.

Edrille 1/1003

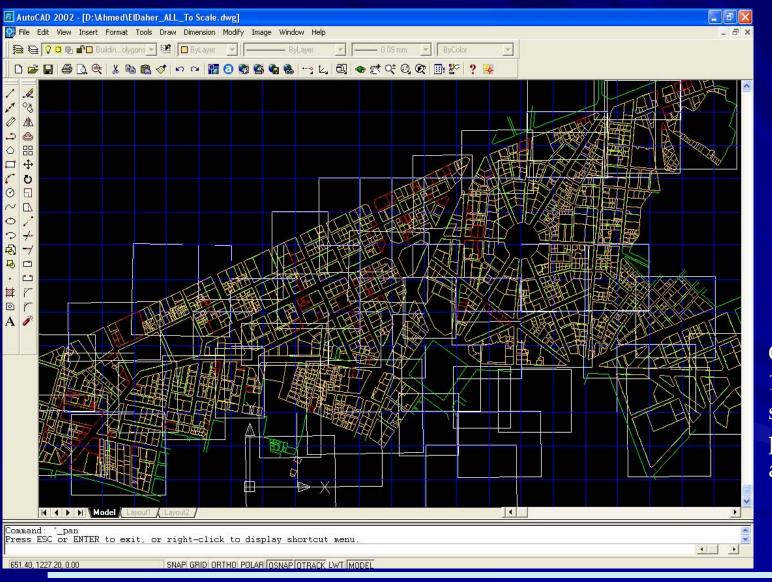
Commerce of Type-like No decrease for the 2 Designa Strict enables, capital registrebear Parket represent y 14605







'Daher' in Cairo



GIS 190 buildings surveyed, photographed and documented

CULTNAT



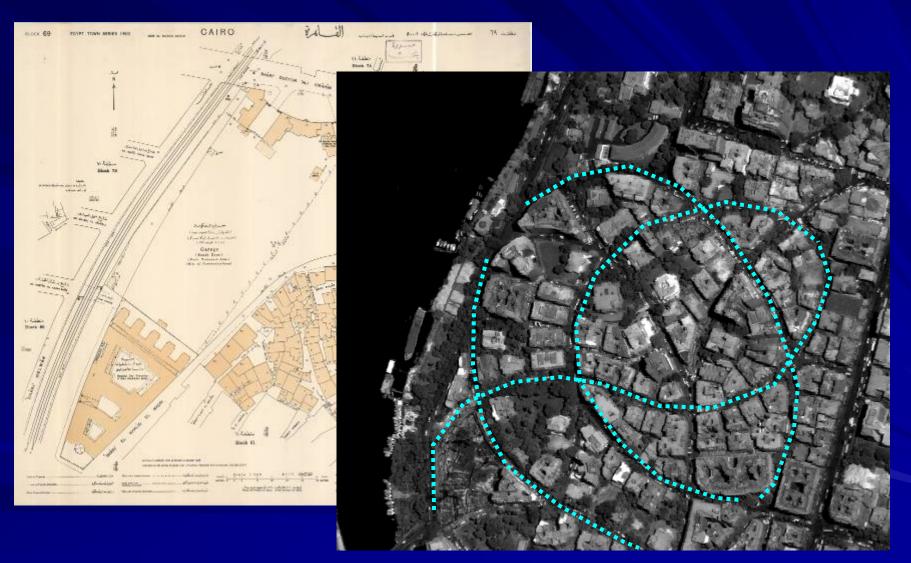
'Garden City' in Cairo

1. Government facilities area

2. Residential area



'Garden City' in Cairo



'Garden City' in Cairo



Heliopolis, in Cairo

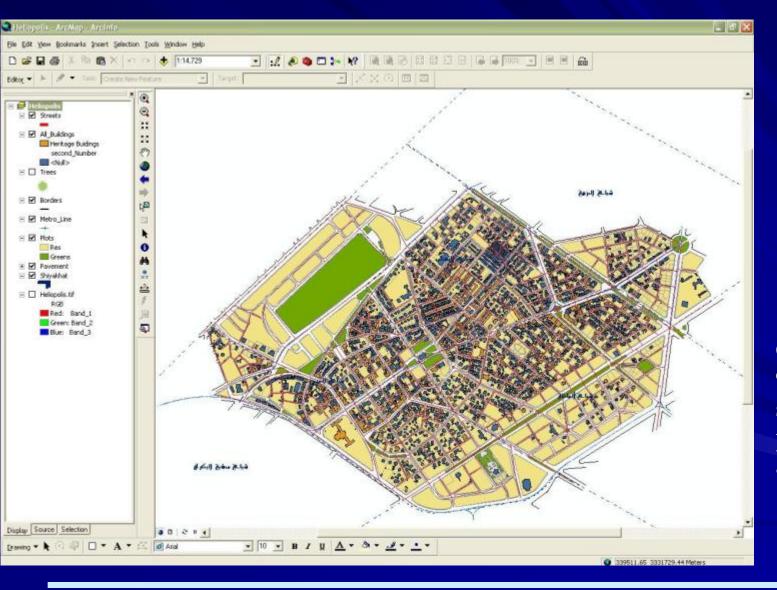








Heliopolis, in Cairo



GIS
900 buildings
surveyed,
photographed
and documented



Mansoura City

Center for Documentation of Cultural and Natural Heritage



in collaboration with the 'Center for Architectural and Engineering Design Support' CAEDS, Faculty of Engineering, Cairo University

GIS 100 buildings surveyed, photographed and documented

CULTNAT







PART II: Digital Architectural Archive

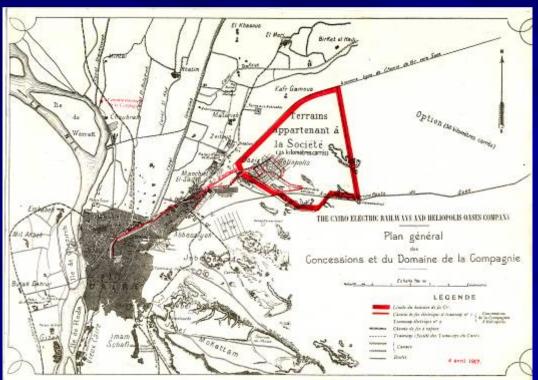


Digital Architectural Archive

- Surveying architectural archives in various locations (individuals, companies, public organisations)
- Scanning the drawings
- Filling a descriptive information sheet for each drawing on a database
- Enabling access to these recourses for consultation and research

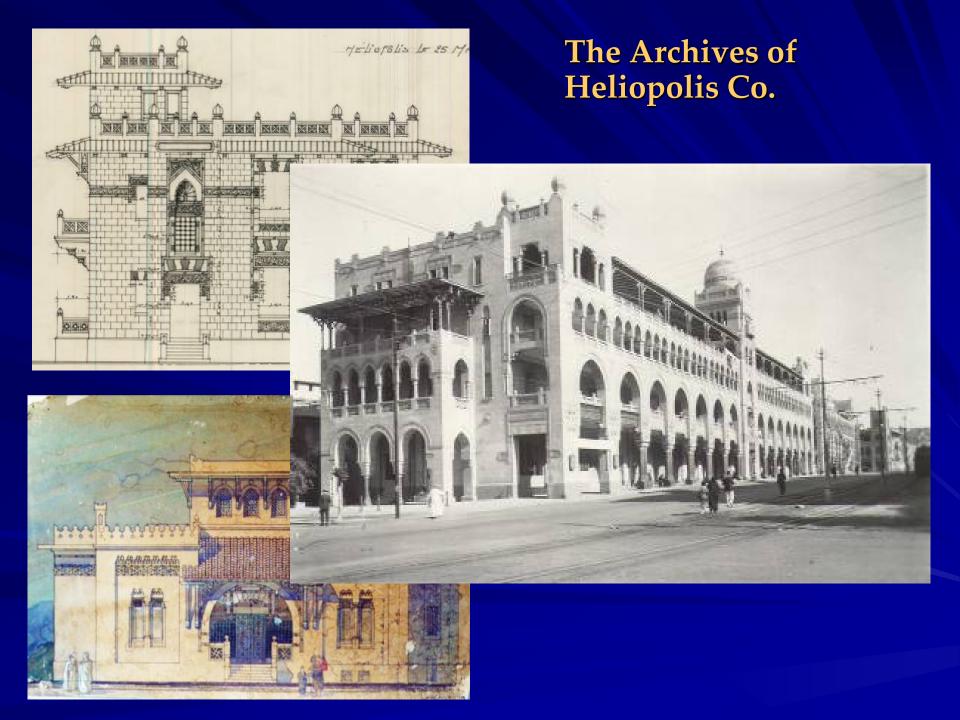
The Archives of Heliopolis Co.

The Belgian Co. established in 1905















The Archives of the Arab Bureau

The former Royal and Public Building Authority

Mohamed Ali Pasha (1805-1848) created a buildings Authority (maslahat al-benayat) at an unknown date

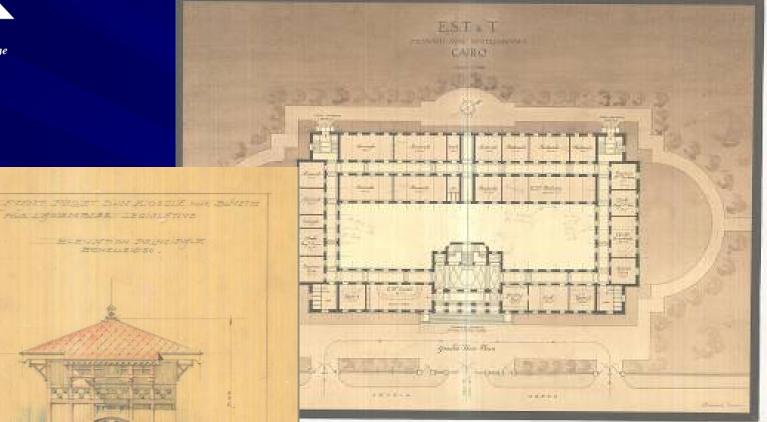
In 1829	Building Organization (diwan al- abniya)
In 1836	School Council (majlis al al-madares)
In 1837	School Organization (diwan al-madaris)
In 1859	part of the Ministry of Public Works as the Authority
	of Building Regulations (maslahat al-tanzim)
In 1889	official decree building project is to be approved by
	maslahat al-tanzim
In 1895	Ministry approved the organization, and defined the
	new administrative entity

Royal and Public Building Authority

CULTNAT



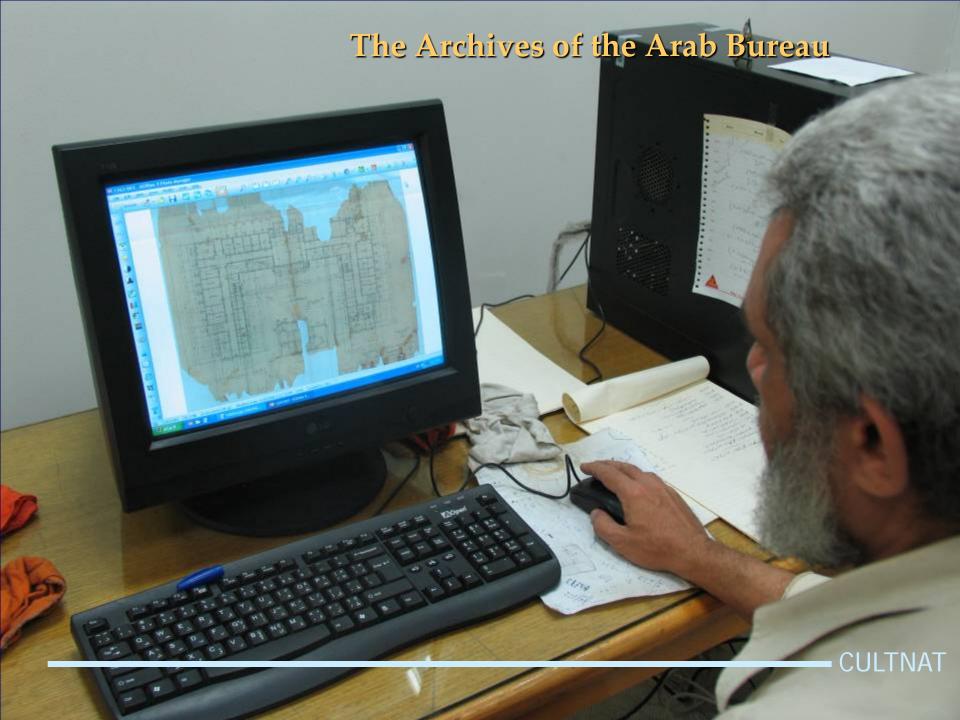
The Archives of the Arab Bureau

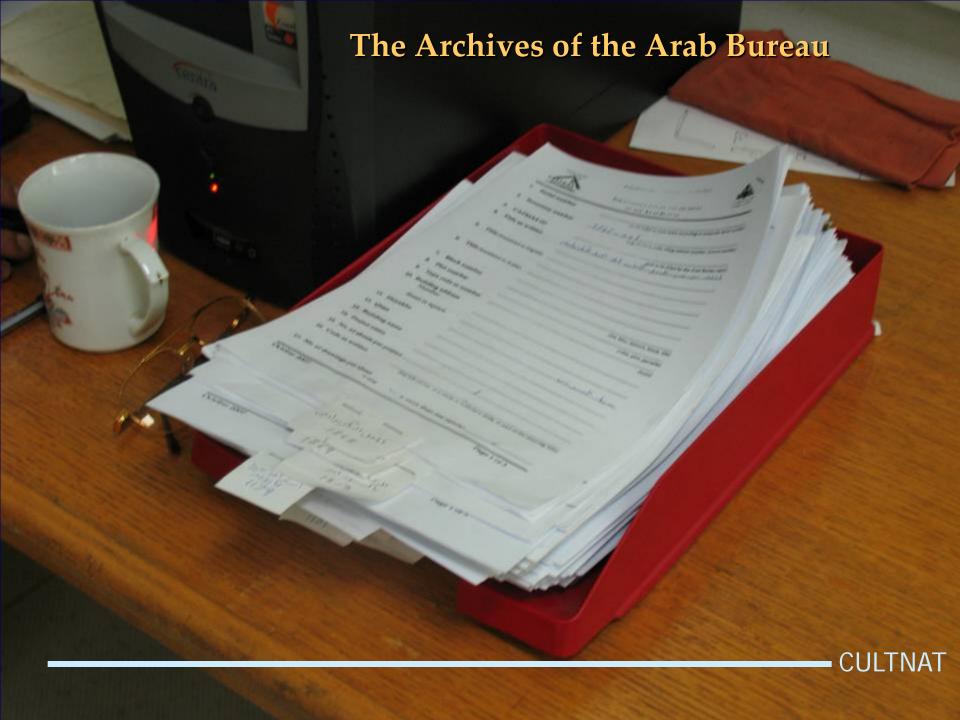




lour fastours

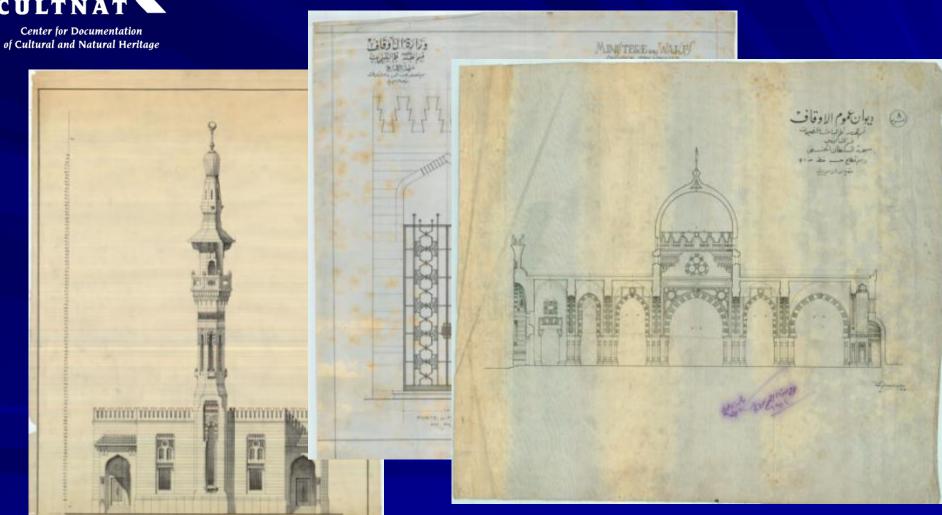








The Archives of the Awqaf Ministry



CULTNAT





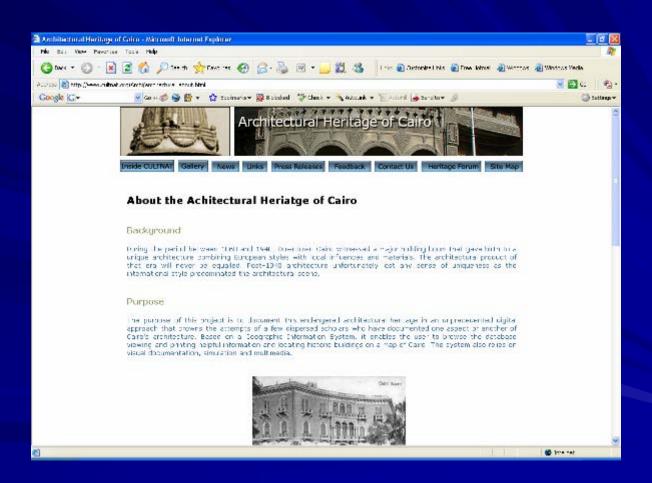




Dissemination channels

of Cultural and Natural Heritage

www.cultnat.org





Dissemination channels

www.eternalegypt.org provides e-content on:

www.cultnat.org

Egyptian civilisation, culture and heritage

Pharaonic, Graeco-Roman, Coptic and Islamic periods in three languages (additional two languages)

www.eternalegypt.org

innovative technologies



Eternal Egypt... www.eternalegypt.org

Technologies

Digital guide

Text-to-speech

3D scanning

Web cameras

Mobile information

Panoramic views

Virtual tours

Animations

3000*4000 pix images





Eternal Egypt... www.eternalegypt.org

Center for Documentation of Cultural and Natural Heritage

Awards

Arab e-Content Award
Best e-Content in e-Culture, WSA, Sharjah,

Best e-Content World Summit Award, WSIS, Tunis, 2005

Best Innovative or Experimental Application of the International Conference for Culture and State of Culture an





Dissemination channels

www.globalegyptianmuseum.org provides e-content on: the Egyptian collections in 10 museums

www.cultnat.org

6600 objects documented-photographed

www.eternalegypt.org

the Multilingual Egyptological Thesaurus

in seven languages

www.globalegyptianmuseum.org

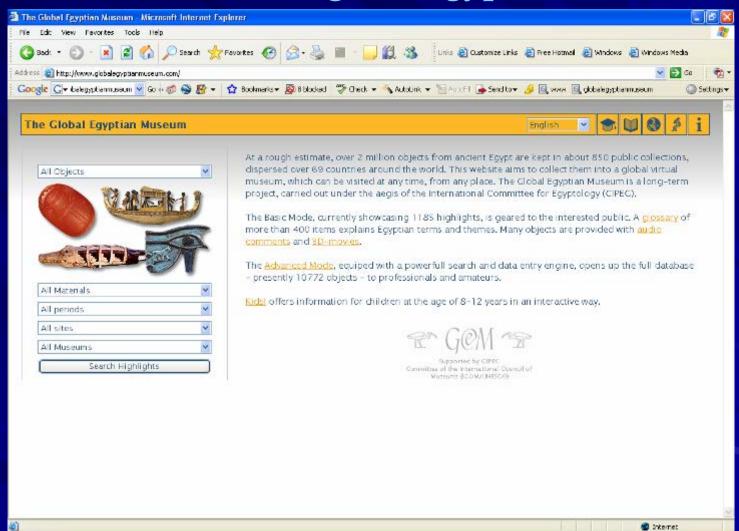
hyperlinked glossary of over 400 entries

www.cultnat.org



Center for Documentation of Cultural and Natural Heritage

CULTNAT... www.globalegyptianmuseum.org





of Cultural and Natural Heritage

Raising public awareness...

Dissemination channels

websites

CULTURAMA





TREASURES OF EGY

DISCOVERTHE

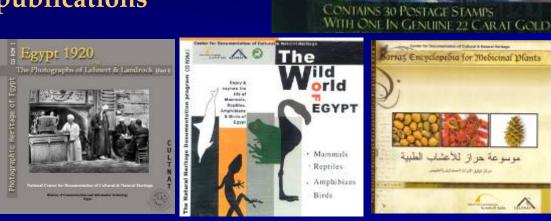
Center for Documentation of Cultural and Natural Heritage

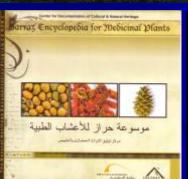
Dissemination channels

websites

CULTURAMA

publications







BIB JEHNELD







Center for Documentation of Cultural and Natural Heritage

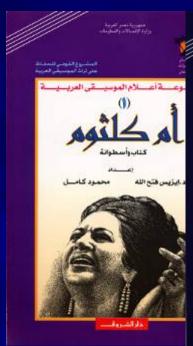
Dissemination channels

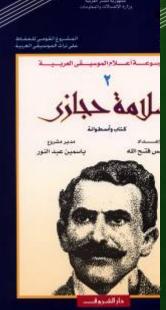
websites

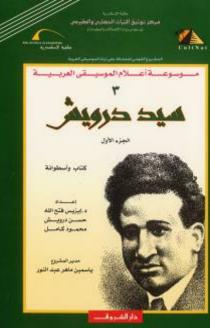
CULTURAMA

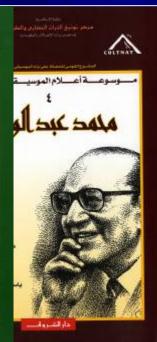
publications

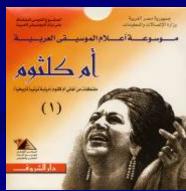
Raising public awareness...

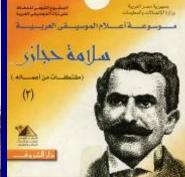
















www.cultnat.org



Center for Documentation of Cultural and Natural Heritage

Dissemination channels

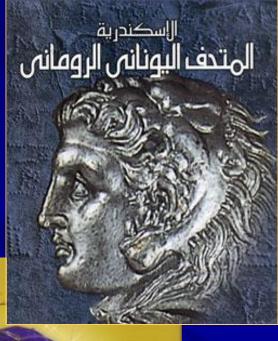
websites

CULTURAMA

publications







REASURES

TUTANKHAMUN





of Cultural and Natural Heritage

Raising public awareness...

Dissemination channels

websites

Micro-Gallery booths
Folklorama
Star Riders

Monthly renewed exhibitions

CULTURAMA

publications

exhibitions



www.cultnat.org



of Cultural and Natural Heritage

Raising public awareness...

Dissemination channels

websites

CULTURAMA

publications

exhibitions

visits

individuals groups school classes







Cooperation with...

of Cultural and Natural Heritage The Supreme Council of Antiquities The National Library "Dar Al-Kutub" The National Archives "Dar Al-Watha'eq" Egypt Post **Al-Azhar Library** Cairo University, Faculty of Engineering General Organisation for Physical Planning Cairo Governorate

> Heliopolis Company **Banque Misr**

Luxor City Council

The Geographic Society

governmenta

Cooperation with...

Hashemite Heritage Center, Jordan ALESCO Al-Warraq, UAE

Tradition, IMARET, Greece



Capacity building...

Center for Documentation of Cultural and Natural Heritage

CULTNAT

- capacity building of institutions and personnel
- know-how transfer
- experts meetings and round table discussions



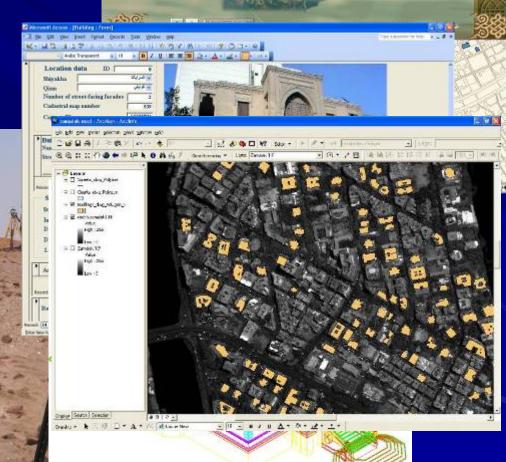


of Cultural and Natural Heritage

Using the latest IT...



- DBMS
- Multimedia
- GIS Applications
- GPS
- Digital Photography
- High Resolution Scanning
- Photogrammetry
- 3D Laser Scanning
- 3D Modeling
- Virtual Reality





Documentation programs... overlays

Center for Documentation of Cultural and Natural Heritage

Archeological map of Egypt

Architectural and urban heritage

Cartographic heritage

Egyptian folklore

Arts and music

Photographic memory

Islamic scientific manuscripts

Natural heritage of Egypt



Center for Documentation of Cultural and Natural Heritage

CULTNAT... Fulfilling national policies

The establishment of a register on Egyptian heritage

The inter-ministerial cooperation to accomplish the center's mission

The advisory role and assistance to local institutions

The capacity building of personnel and organisations

The cooperation with regional and international institutions



CULTNAT...

Center for Documentation of Cultural and Natural Heritage

THANK YOU