



STACHEM Project



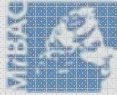
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Ministry of Communications & Information Technology

*The Center for Documentation  
of Cultural  
& Natural Heritage*

[www.cultnat.org](http://www.cultnat.org)  
[www.eternalegypt.org](http://www.eternalegypt.org)  
[www.globalegyptianmuseum.org](http://www.globalegyptianmuseum.org)

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## *The Mission*

## *Mission*

- ❖ Documentation of the different aspects of the cultural heritage: tangible and intangible
- ❖ Documentation of the different aspects of the natural heritage

## *Mission (cont.)*

- ❖ Dissemination of information about this heritage through the production of cultural products
- ❖ Use of the latest technology in the documentation of this unique heritage

# *The Use of Information Technology In Heritage Documentation*

- ❖ DBMS
- ❖ Multimedia
- ❖ Geographical Information Systems (GIS)
- ❖ Global Positioning System (GPS.)
- ❖ Photogrammetry
- ❖ 3-D Modeling
- ❖ Virtual Reality

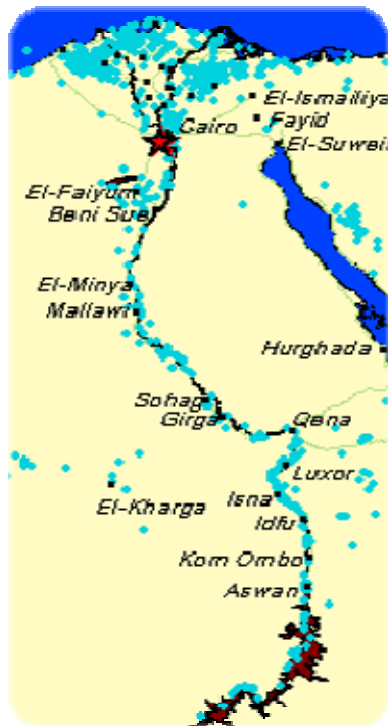


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# *The Programs*

# Tangible Heritage



Archaeological  
Map of Egypt



The Architecture  
Heritage of Cairo



Scientific Islamic  
Manuscripts

# *Intangible Heritage*



The Musical  
Heritage Program



The Photographic  
Memory of Egypt



The Egyptian  
Folklore



## *Others*



The Natural  
Heritage Program

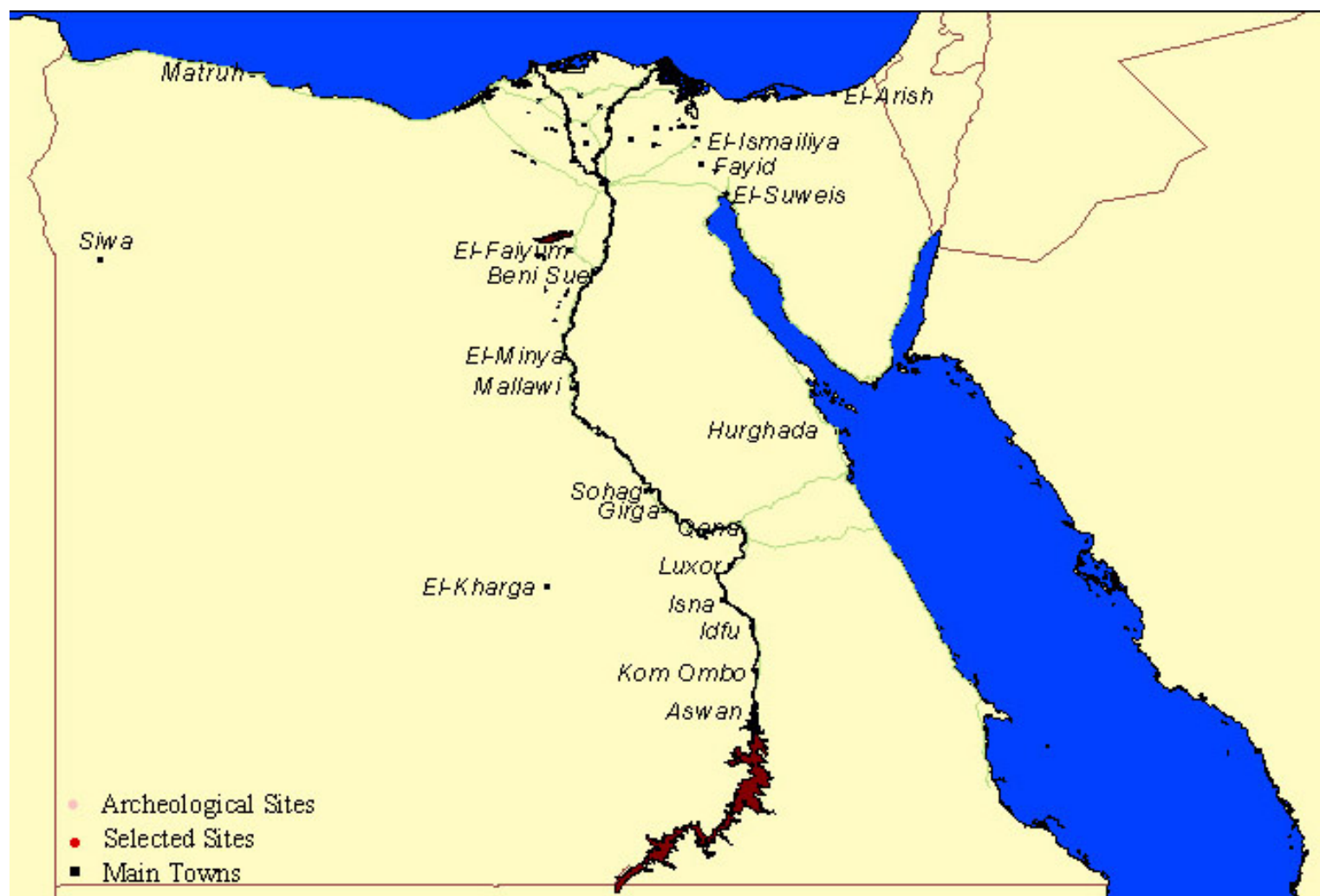


Studies  
&  
Report



International  
Relations

# *Distribution of the Egyptian archeological sites*



# *The Archaeological Map of Egypt*



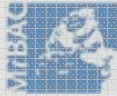


❖ The Archaeological Map of Egypt employs the multimedia in conjunction with GIS technologies to produce a powerful documentation and management tool for the Egyptian Archaeological Sites that are distributed all over the country

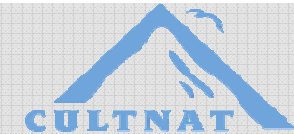
- ❖ It involves dividing the information of the archaeological sites into three levels (National, Sites, and the Monuments level)



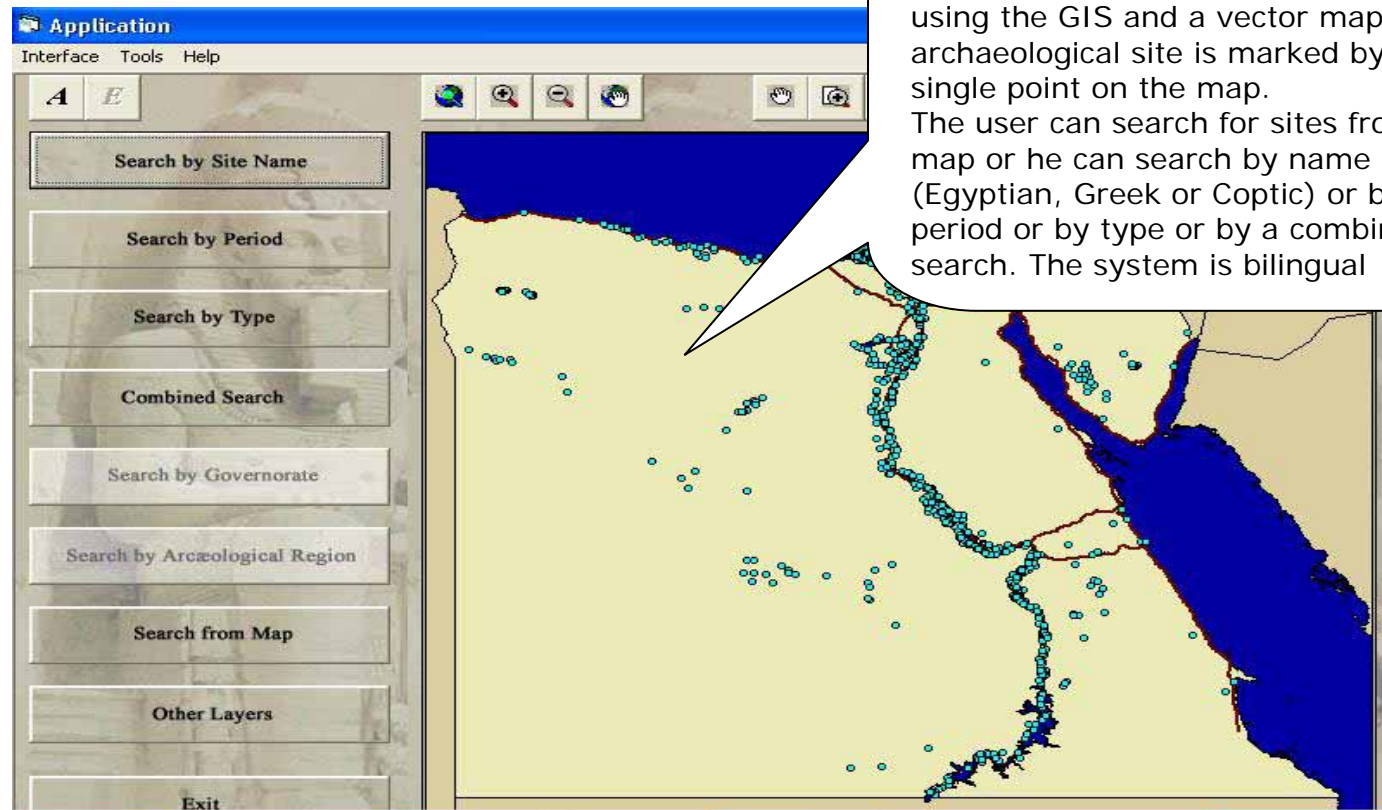




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## The Archaeological Map of EGYPT (level 1)



At the National level a digitized map of the entire country is displayed using the GIS and a vector map. Each archaeological site is marked by a single point on the map. The user can search for sites from the map or he can search by name (Egyptian, Greek or Coptic) or by period or by type or by a combined search. The system is bilingual



## The Archaeological Map of EGYPT (level 2)

**Application**  
Interface Tools Help

Owner Name:  
Isen(G 2196)  
Idu II(G 7102)  
Ihy(D 82)

Number of Sites: 808  
Period: Old Kingdom

Dynasty: 6th Dynasty

King: Pepy I

Structure:

Typology: Mastaba

Owner Title: Tenant of the Pyramid of

References: W. K. Simpson, The

PM: iii: 185 LA: ...

Condition:

General Description:  
Shaft leading to burial chamber. One chamber superstructure, the offering

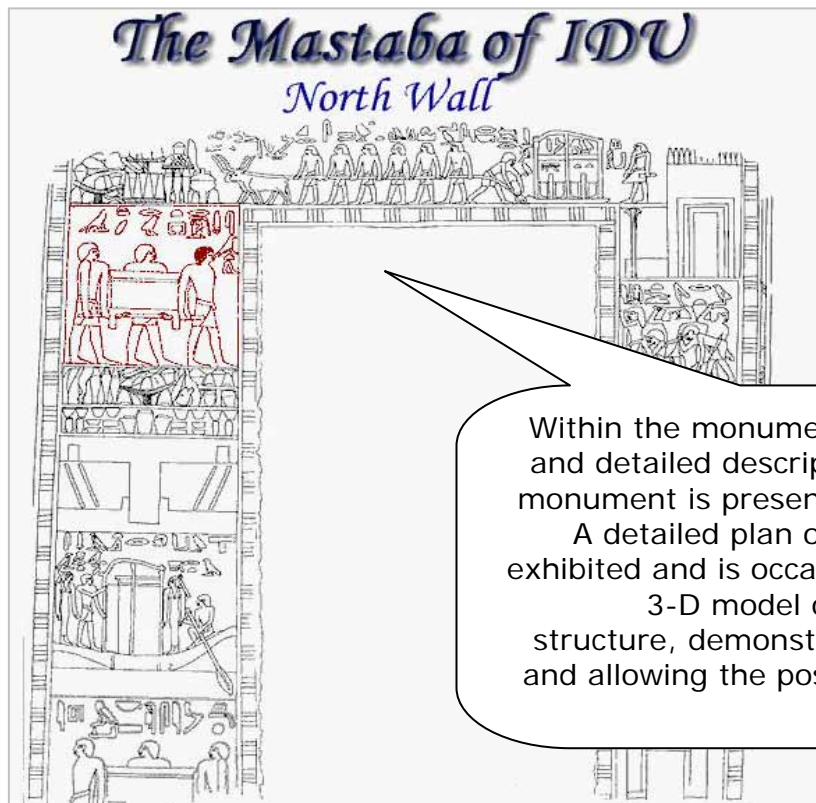
Back VR Monument Plan

At the site level, a satellite image of the site is displayed and each monument is marked by a polygon. The basic data about each monument is displayed: the dating, the owner and his titles, the type (pyramid, tomb) and a brief description

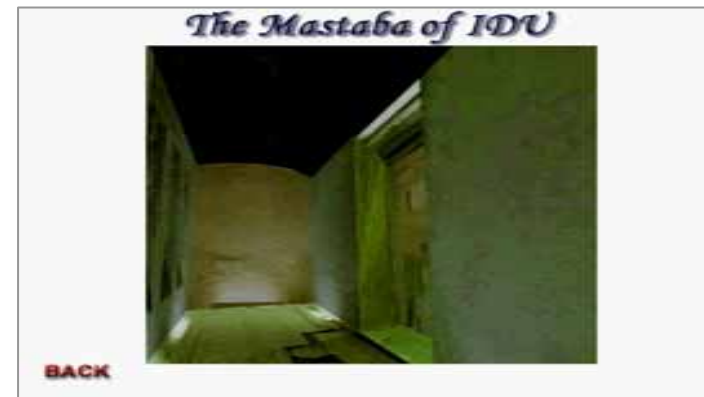




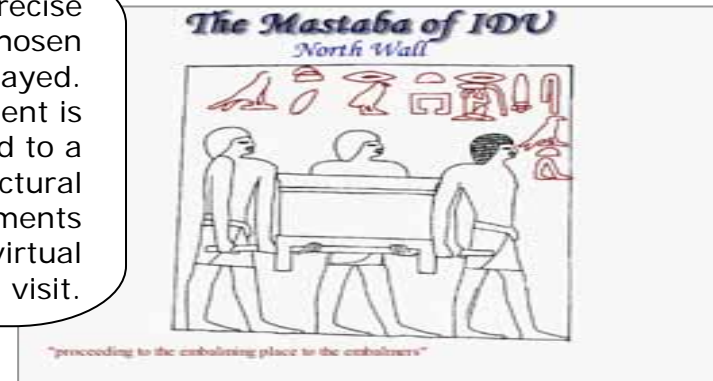
## The Archaeological Map of EGYPT-Monument Level (level 3)



Within the monument level , a precise and detailed description of the chosen monument is presented and displayed.  
A detailed plan of the monument is exhibited and is occasionally linked to a 3-D model of the architectural structure, demonstrating its elements and allowing the possibility of a virtual visit.



BACK

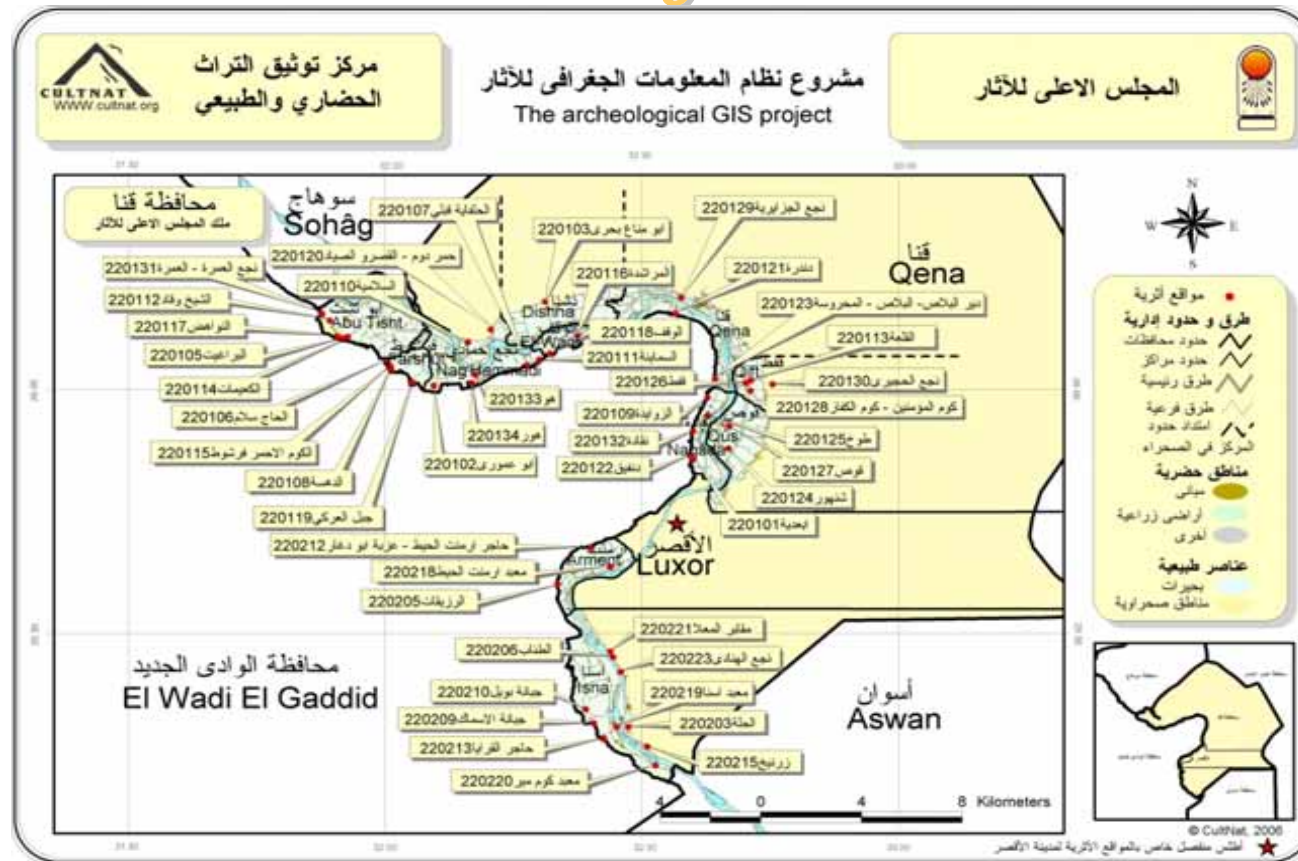


"proceeding to the embalming place to the embalmers"

# *The Archaeological Map of EGYPT-Atlas of Archaeological Sites*



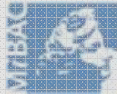
# *The Archaeological Map of EGYPT-Atlas of Archaeological Sites*



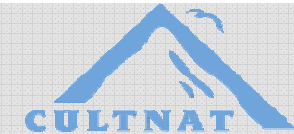


# CultMap Website





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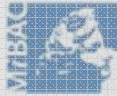
# CultMap



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## *Features of Cultmap*

- ❖ **Cultmap** is designed to be integrated with other Cultnat's programs (example the Natural Heritage Program).
- ❖ The updating process can be done by the Archaeological Team with minimum technical support.
- ❖ Usability of **Cultmap** can support Archaeologists as well as casual users.
- ❖ **Cultmap** keeps the special characters (**â, û, ê etc.**) that are used in the names of the archaeological sites, description and bibliography.



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# *Eternal Egypt Website*



[www.eternalegypt.org](http://www.eternalegypt.org)

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## *Partners*

- ❖ IBM Corporate (Branches in different countries).
- ❖ Egyptian Government:-
  - Ministry of Communication and Information Technology (MCIT).
  - Ministry of Culture.

Represented by CULTNAT



## *Achievements*

❖ The usage of the state-of-the-art technologies for the development of a multilingual website to present the treasures of the Egyptian civilization to a global audience.

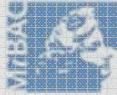
❖ It covers descriptions of artifacts, characters archaeological sites and historical events all wrapped in stories and virtual tours of famous sites and museums.

## *Eternal Egypt Website*

- ❖ Supported by an innovative text-to-speech technology.
- ❖ High-resolution 2-D Imaging with zooming capabilities.
- ❖ 3-dimensional artifact scans.
- ❖ 360° panoramas of locations.
- ❖ Annotated multimedia animations.
- ❖ Virtually-reconstructed environments.

## *Eternal Egypt Website (Cont..)*

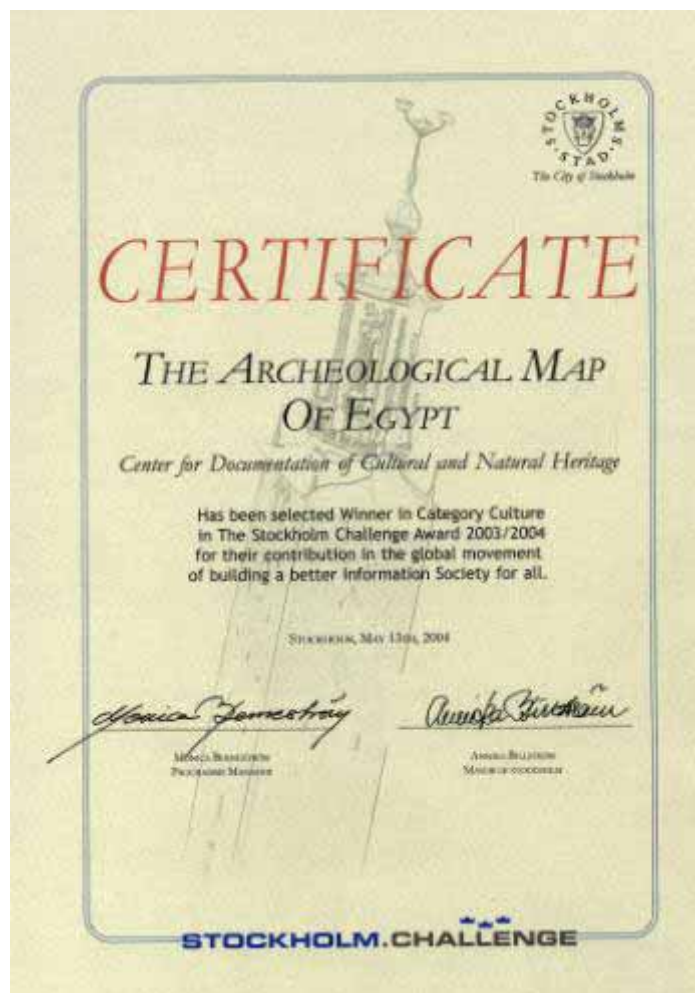
- ❖ Real-time photos from webcams.
- ❖ Digital guide for museum visitors.
- ❖ Digital guide for site visitors using cellular phones with GPRS.

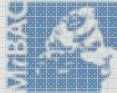


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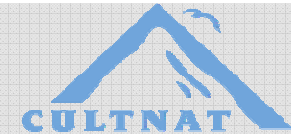


## *The Prizes*





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## Winner's Certificate

Eternal Egypt from  
Center for Documentation of Cultural  
and Natural Heritage, CULTNAT

# The World's Best e-Content 2005

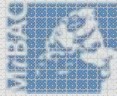
The World Summit Award Board of Directors hereby declares and certifies that "Eternal Egypt", produced by "Center for Documentation of Cultural and Natural Heritage, CULTNAT", has been chosen as the "World's Best e-Content" in the category of e-Culture from submissions from 168 countries by the WSA Grand Jury 2005.

  
Prof. Dr. Peter A. Bruck  
Chairman  
World Summit Award

  
Jak Boumans  
Secretary General  
Board of Directors

— Tunis, 16 November 2005 —





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*With the compliments  
of  
The Center for Documentation of  
Cultural & Natural Heritage  
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## Library

[The Tomb of Tutankhamun Tour](#)

[Egyptian Laws and Social Customs](#)  
Collection of 4 Articles

[The Furniture of Tutankhamun Article](#)

[Royal Marriages in Ancient Egypt Article](#)

## Glossary

### diadem

a crown worn as a sign of royalty

### rekhyt

The rekhyt is a bird called the Lapwing. At the beginning it was used to indicate the people of Lower Egypt, then it became the symbol of all Egyptians. Therefore, it was represented either under the feet of the pharaoh or adorning his cartouche to signify that the people are his subjects.

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# Throne and Footrest of Tutankhamun

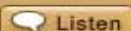
## Other Multimedia



[3-Dimensional View](#)



[Click To Zoom](#)



[Listen](#)

[IBM® Text-to-speech](#)

The throne of Tutankhamun is made of wood, covered with gold and silver, and ornamented with semiprecious stones and colored glass.

The scene on the back panel shows the queen anointing the king. The sun's rays, terminating in hands, radiate towards the royal couple.

The king wears a composite crown and a broad collar and the queen wears a diadem.

The bodies and wigs of both of them are inlaid with exquisite colored glass and their linen robes are silver.

Two projecting lions' heads protect the seat of the throne while the arms take the form of winged serpents wearing the double crown and guarding the names of the king.

A wooden footrest was also used to support the king's feet. It is engraved with subjugated figures of the foes from the North and South, known as the "nine-bows," lying bound.

The rekhyt birds, referring to the common people, are also shown here under the control of the king.



## Attributes

Culture: [Pharaonic](#)  
Technique: [Sculpted](#)  
[Inlaid](#)  
[Gilded](#)  
[Stuccoed](#)  
Style: [Amarna Style](#)  
Materials: [Wood](#)  
[Carnelian](#)  
[Glass](#)  
[Faience](#)  
[Silver](#)  
[Gold](#)  
[Gesso](#)



## Type

Type: [Throne](#)



## Map

Location: [Egyptian Museum](#)

Created: [Valley of the Kings](#)



## Timeline

Created: [18th Dynasty](#)

Acquired: [AD 1934](#)



## Topics

Topics: [Arts and Crafts](#)  
[Crafts](#)  
[Carpentry](#)  
[Government](#)  
[Leaders](#)  
[Society and Culture](#)  
[Religion and Spirituality](#)  
[Beliefs](#)

*Before*



*After*



*Before*

*After*

