About Author:
Dr. Eng. Moustafa Baraka
Professor of Geodesy & Surveying,
Faculty of Engineering - Cairo University
B.Sc. 1978 (Fac. of Eng. - Cairo Univ.)
M.Sc. 1981 (Fac. of Eng. - Cairo Univ.)
M.Sc. 1985 (Ohio State University, U.S.A.)
Ph.D. 1988 (Ohio State University, U.S.A.)

Scientific interests and research:
Geodesy, surveying & digital mapping,
with emphasis on: GPS / GNSS, and GIS.

About Surveying & LIS Division
Faculty of Engineering
Cairo University

- Oldest academic surveying division in Egypt 1926, currently 17 faculty members.
- Provides courses, research and consultations in:
  Plane and geodetic surveying and mapping, photogrammetric
  surveying and mapping, (including GPS/GNSS, RS/HRSI, GIS).
- Contributes to academic programs in areas of:
  - Civil and construction eng.
  - Architectural eng.
  - Electrical eng.
  - Urban planning
  - Archeology
  - Geography
Surveying engineers, could be "overestimating the human ability to grasp the meaning of geospatial data", geospatial information could be correctly perceived when visualized.

E-Learning should emphasize visualization to learners (students, professionals and the public).

From Germany

Applying GIS technology integrates geospatial data acquisition & processing, manages, analyzes and provides visualizations.

From Ireland

RFP – Al-Ahram Newspaper, 11 March 2005
Ministry of Communication
Ministries of Higher Education & Scientific Research

Infrastructure for upgrading the nationwide network connecting Universities (16), Research Centers and Institutes (9).

For the implementation of e-Learning, e-Government projects and linking with 3G Internet generation connecting worldwide centers and research institutes.

Last date for accepting bids Sunday, 14 April 2005, 12:00 pm., The Smart Village.

The National Scene
The National Scene - continued

Ongoing Efforts

Faculty of Engineering, Cairo University:
A geoinformatics graduate course for graduate students, using blended e-learning environment (LMS may be), focusing on selected topics in GNSS, HRSI and GIS.

Construction Engineering Department, AUC:
Supplementing synchronous teaching of an undergraduate construction surveying course, using WebCT, focusing on selected topics in digital mapping.

E-Learning in Egypt

UNESCO Global Campus Project
World Bank HEEPF
MEDA TEMPUS

Nationwide Internet Access - PC & Laptops
Nationwide WAN upgrades

The National Scene - continued

The National Scene -- continued

E-Learning in Egypt

Conclusions

• E-Learning presents a viable solution to Egypt’s future requirements in higher education.

• Egypt started investigating e-Learning in projects like, Global Campus project, HEEPF, MEDA and Tempus.

• Recent nationwide investigations revealed encouraging results for Egypt’s readiness for large-scale e-Learning deployment.

• Significant government initiatives are continuously providing the required infrastructure for e-Learning.

• Surveying science courses offered in Egypt provide the basis for geoinformatics e-Learning.

Thank You