

Technology Management & Integrated Modeling in Natural  
Resources

A University-Enterprise Win-Win Partnership

(TEMPUS – Project)

National Authority for Remote Sensing and Space Sciences

( NARSS – Egypt )



Technology Management and Integrated Modeling in Natural Resources:

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**About the Program:**

This project is funded under the EC TEMUPS scheme. It supports staff in Egyptian universities through an international joint Masters programme. It provides opportunities for candidates with degrees in a range of scientific and engineering disciplines to enhance their knowledge of the water environment and land resources, through a programme with theoretical, practical and computational (informatics) components.

The introduction of new Joint post-graduate MSc / PHd Programmes in “Technology Management and integrated Modeling in natural resources” in line with international Standards complies with the priorities and objectives of the Egyptian Ministry of Higher Education.

The major challenge of putting the new course into operation is to develop interuniversity and interdepartmental cooperation. The MSc program addresses key

Qualifications (soft skills) such as teamwork, complex thinking, and foreign language skills and up-to-date information technology.

## **Consortium Members**

### **Universities**

- Ain Shams University (Egypt)
- Assiut University (Egypt)
- Sohag university (Egypt)
- University of Exeter (UK)
- Algarve University (Portugal)
- UNESHO-IHE institute for Water Education (Netherlands)
- Martin-Luther-Universität Halle—Wittenberg (Germany)

### **Businesses / Industrial partners (Egypt)**

- National Authority for Remote Sensing & Space Sciences (NARSS)
- The General Company for Research of Ground Water (REGWA)
- Sekem Development Foundation (SEKEM)

### **Program description**

Successful participants in this programme are awarded a double/joint degree in their chosen field, by the Egyptian and European partners. Five main fields are offered within this programme:

1. Coastal & Environmental Management
2. Water Resources Management
3. Urban Water Management

4. Groundwater Modeling

5. Industrial use of Minerals and Rocks

### **The Role of NARSS**

The proposed partnership main objective is to develop new MSC curricula for Egyptian postgraduate students and to enhance their professionalism in area of Remote Sensing Applications, IT, networking and distributed application in Egypt.

The specific role of NARSS in this project is:

1. Share in preparing the teaching materials
2. Improvement skills of in-service engineers and scientists' staff
3. Developing a concept for university-enterprise partnership
4. Providing the technical and practical experience to the consortium

5. Providing access to Remote Sensing resources at NARSS.
6. Enhancement the IT infrastructure to carry out the modeling tutorials
7. Training of Trainers TOT (training of Egyptian Professors)
8. Preparing a team for supporting and managing; and e-learning techniques (training Egyptian assistants)
9. Pilot Implementation

**Activities of NARSS:**

In this physical year (2009-2010), two training courses (Workshops) will be held at Assiut and Sohag Universities on Fundamentals and Applications of Remote Sensing and Geographic Information Systems.

Each training course lasts for one weak at each university.

The first course will be held at Sohag University from 14 to 19 Nov. 2009.

**For more details about the project please contact:**

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Some photos from the meeting that took place at

Assiut University 8/10/2009







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**Training Course On**  
**Introduction to Remote Sensing and Digital**  
**Image Processing And It's Applications**



**Sohag University**  
**14 -19 November , 2009**

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