Symposium on
International Cooperation Experiences
In Higher Education
SICEHE'08

Réseau Méditerranéen des Ecoles d’Ingénieurs
RMEI
Mediterranean Network of Technical Universities and Engineering Schools

Cooperation in Higher Education

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RMEI
Réseau Méditerranéen des Écoles d’Ingénieurs
Mediterranean Network of Technical Universities and Engineering Schools

Founded in 1997 by ESIM/ CCIMP

45 Engineering Schools and Technical Universities in 12 Countries

> 100 000 students

Now hosted by École Centrale Marseille
12 Countries
45 Technical Universities/Engineering Schools

France (8)
Spain (3)
Italy (4)
Greece (4)
Turkey (1)
Israel (3)
Tunisia (9)
Algeria (3)
Morocco (7)
Portugal (1)
Libya (1)

*: Active members

UNESCO Chair:
Innovation and Sustainable Development
A network:

*Mediterranean Network of Technical Universities for engineering higher education*

Main Focus:

*Sustainable Development*

Overall Aims:

*Facing up to the major challenges in the Mediterranean basin through innovation*

An Asset:

*11 years of activity*
Main aims: to provide answers through innovation to the major challenges facing the Mediterranean basin:

• The north/south demographic and economic imbalance: demands strong and more evenly distributed economic growth

• Global economic competition: requires the use of the most appropriate technologies and methods as well as the corresponding human skills

• Sustainable Development: must take into account not only environmental issues, but also economic, social and cultural imperatives specific to the Mediterranean basin
Overall aims

To promote the training of engineers (i.e. industrial managers)

To promote quality

To encourage engineers to take pride in the specificities and richness of the Mediterranean region: education, culture, savoir-faire ..
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Main targets

**Students**
- Mobility
- Master course admissions
- New curricula, new approaches (e.g. Sustainable Development, Cindynics, Microelectronics, etc)

**Research**
To identify and promote research focussed on Sustainable Development:
- Energy
- Water
- Mediterranean Observatory

**Companies**
- Recruitment
- Image
- Research
- Attracting Top Talent

**Local government**
- SD policy
- Union for the Mediterranean ?
Sustainable Development in Engineering Schools

- University
- Society
- Industry
- Research
- Lectures
- Students
- International
- Case studies
- Projects
- Testimony
- Joint activities
- Mobility
The 3rd Millennium ENGINEER-MANAGER

A Manager leading innovation and technological development
- an entrepreneur, innovator and project manager
- able to analyse then solve highly complex problems:
  - as a team member or leader
  - in an international and multicultural environment
  - using multidisciplinary scientific and technical skills

➢ A ‘generalist’ with a high level of broad-based competence
  - high potential for assimilation of diverse disciplines
  - high potential for integration of human, economic, information
  and technological resources to design innovative systems

➢ International vision and culture
Industry requires two mindsets in engineers:
- inductive for defining the problem clearly
- deductive for solving the problem

- Learning to deal with complex problems

- Having strong conceptual capacity, able to deal with practical problems and to adapt to new situations

- A real engineer at Master’s level, operational for his first professional position after graduation

- Equipped to become an industrial manager of the future
Strong employment potential

Recognition by the company is based on the engineer’s ability to lead teams towards successful outcomes

➤ Good competencies in science and technology

➤ Good communication, leadership and management skills

➤ A dynamic and enthusiastic entrepreneur

➤ High ethical standards
  - social responsibility
  - refusal of privileges
  - respect for others
NETWORKING
What is the added value of RMEI?

➢ To encourage an interdisciplinary approach: starting within one’s own university

➢ To design new curricula through benchmarking

➢ To share competencies

➢ To share a common concern for our Region and a common approach towards the challenges facing the Mediterranean

Learning from each other
Groupe des Ecoles Centrales

www.ec-marseille.fr
.. À bientôt..