EGE UNIVERSITY SOLAR ENERGY INSTITUTE
Ege University is a state university and established in 1955.

- located in Bornova, a district of Izmir
- 3,700 hectares of land composed of many buildings used for educational, cultural, sporting and social purposes.
- has 13 Faculties, 5 Graduate Schools, 7 Higher Vocational Schools, a State Turkish Music Conservatory, 8 Institutes and 27 Research and Application Centers.
- has 50,993 students, 3,135 academic staff, 4000 administrative staff.
- 730 full-fledged laboratories offering extensive opportunities for training and research.
EGE UNIVERSITY SOLAR ENERGY INSTITUTE

- Established in 1978 for graduate studies and researches in solar energy technologies. Gradually expanded its focus on other renewable areas.
- Has *Energy* and *Energy Technology* departments.
- In collaboration with the universities and organizations in Turkey and abroad, the following activities are managed.
  - Scientific researches,
  - MSc and PhD education,
  - National and international symposiums, panels and seminars to improve opportunities for researchers, specialists, engineers and technical staff,
  - Documentation and publication studies.
ENERGY Dept.

- Solar photochemistry
- Organic solar cells & optoelectronics

Energy Technology Dept.

- Solar architecture & thermal
- Photovoltaics
- Biomass
- Wind
- Geothermal & Heat pump
- Energy Efficiency

Prof. E. Siddık İÇLİ (Head)
- Prof. Dr. Mustafa GÜNEŞ
- Assoc. Prof. Canan VARLIKLI
- Assoc. Prof. Şule Erten ELA
- Asst. Prof. Bircan DİNDAR
- Asst. Prof. Ceylan ZAFER
- Asst. Prof. Neslihan ÇOLAK GÜNEŞ

Prof. Günnur KOÇAR (Head)
- Assoc. Prof. ÖZGENER
- Asst. Prof. Koray ÜLGEN
- Asst. Prof. Numan S. ÇETİN
- Asst. Prof. Ahmet ERYAŞAR
### SOLAR ENERGY INSTITUTE

<table>
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<tr>
<th>Category</th>
<th>National</th>
<th>International (SSCI &amp; SCI)</th>
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<tr>
<td>Academic staff</td>
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MILESTONES

Infrastructure Projects

- 03 DPT 006 – Development and Applications of Alternative Energy Technologies (Solar-Wind-Biogas-Heat Pumps)

- 07 DPT 002 – Photo-electronic Technology Productions; Organic LEDs; Organic FETs

- 11-DPT-001 Organic Optoelectronic and Photovoltaic Technologies in Energy Efficiency
PHOTOVOLTAICS

Grid Connected PV Power Systems

Off-Grid PV Power Systems
LOCATIONS OF BIOGAS PLANTS

DEVELOPMENT AND WIDESPREAD OF BIOGAS SYSTEM FOR RURAL AREA

PROJECT NO: 07/DPT/003

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<td>Hüseyin ÖZDEN</td>
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<td>TIRE</td>
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<td>TORBALI</td>
<td>Eğerci</td>
<td>Ibrahim DAYAR</td>
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«The Production of Biogas from Agricultural and Animal Wastes and Utilization of Obtained Gases in Integrated Energy Conversion Technologies»
TÜBİTAK - 1007
107 G 024 – TÜBİTAK KAMAG 1007
• Turkish Photovoltaic Technology Platform (UFTP)  http://www.uftp.org.tr

✓ Managed by EU-SEI.
✓ Supported by TÜBİTAK (The Scientific & Technological Research Council of Turkey).
✓ Represents Turkey on International Energy Agency-Photovoltaic Power Systems (IEA-PVPS) activities on behalf of Turkish Government.
✓ Covers 60 members (public bodies, universities, local authorities, trade and professional chambers and industrial companies).
✓ Aims to define effective PV technology policies and develops the PV roadmap for Turkey.
YETMER BUILDING CONSTRUCTION CONTRACTS for a Net Zero Energy Building

- NEDO (The New Energy and Industrial Technology Development Organization of Japan) and ETKB (The Ministry of Energy and Natural Resources of Turkey) have signed a protocol regarding the YETMER commitments.
Mediterranean Rim ZEB Alliance

ZEB technologies suitable for a Mediterranean climate

Objective: Establish a system for cooperation among Mediterranean countries on ZEB
Activities: Provide opportunities to exchange information on ZEB technologies, such as organizing forums
Participating countries: Turkey, France, Spain, Italy, Egypt, Morocco, etc.
Participating organizations: Universities, research institutes, etc.

*ZEB: Net-zero Energy Building

Information on ZEB-related technologies will be sent out from Turkey

Ege University (Izmir)
YETMER PROJECTED BUILDING PLAN
PROJECTED YETMER ACTIVITIES

• Test & Analysis Labs of *Photovoltaic, solar thermal, biomass, geothermal* and wind energy technologies,

• *Certified trainings for qualified labor,*

• *In situ test & analysis services,*

• *Science center.*
PROJECTED YETMER ACTIVITIES

- Business incubators
- Local sector analyses and road map studies
- Geographical Information and Data Monitoring services
- Consultancy services
- Visibility activities
# EU-SEI OCCUPATIONAL QUALIFICATION STUDIES

8 June 2010, NQA Signature Ceremony

<table>
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<th>Occupation</th>
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<tr>
<td>Biogas Systems Employee</td>
<td>3, 4 and 5</td>
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<tr>
<td>Wind Power Systems Employee</td>
<td>3, 4 and 5</td>
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<tr>
<td>Solar Thermal Systems Employee</td>
<td>3, 4 and 5</td>
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</table>
• *Benchmark of National Knowledge and Experiences to Improve Quality of Vocational Education in Renewable Energy Sector - EU Project*
Thank you for your attendance...