

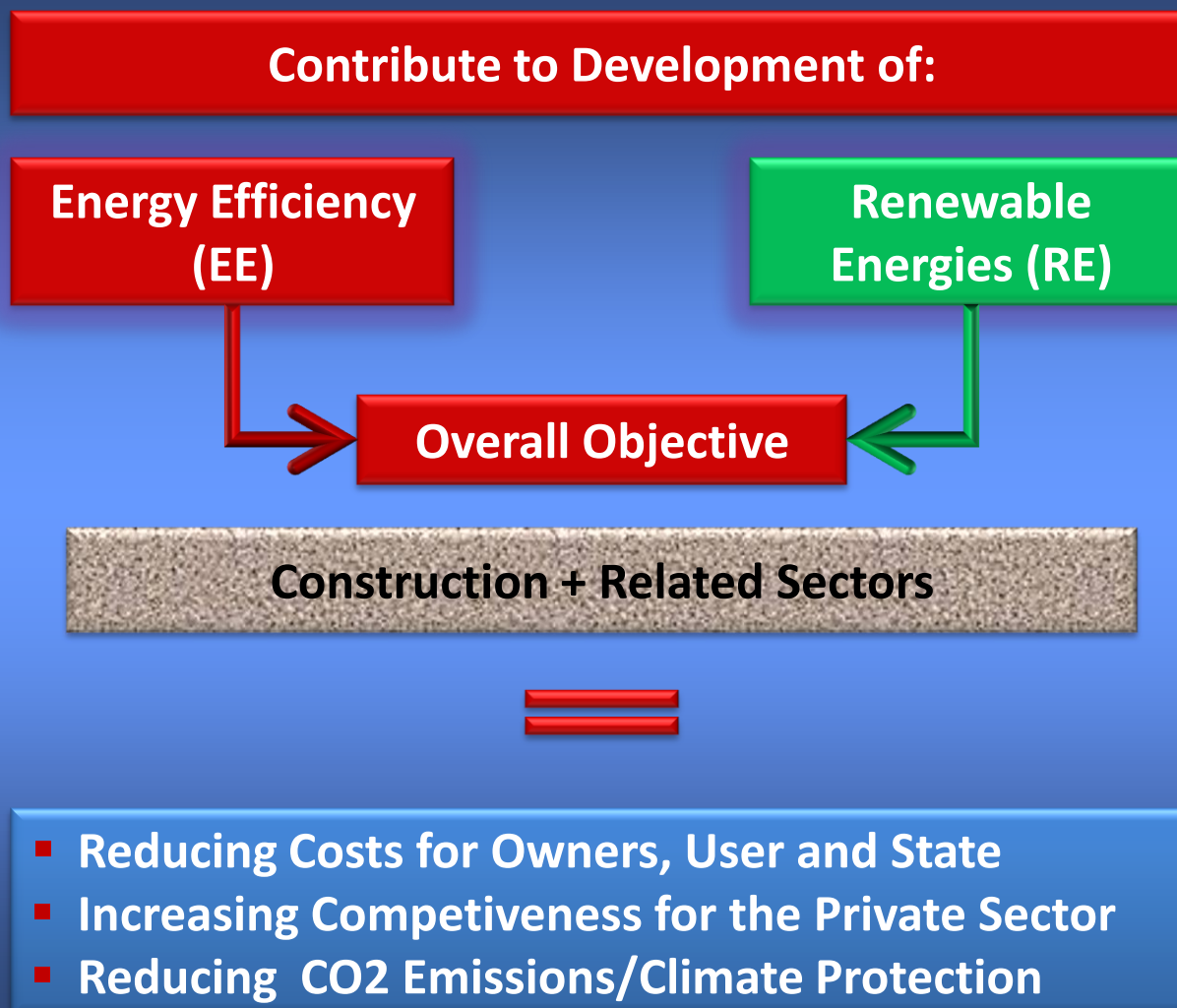
# Energy Efficiency in the Construction Sector in Mediterranean Countries



**Dr. Kurt Wiesegart, MED-ENEC Team Leader**

“To Develop the markets for EE and RE in the Building sector and related industrial and services activities within the Mediterranean Partner Countries”





# MED - ENEC I Pilot Projects



This project is funded by the European Union



## Green Training and Community Centre – Sakhnin

Towns Association for Environment Quality, (Yasin.A, Dwairy.R, Tarabea.H, & Kimchie.S)

### Energy Savings - Vernacular & Modern Elements

1) EE: Malkafs, Thisana's, Mashrabia, Solar spaces – 72% E-saving, EE- Appliances,

Savings: 72% , Payback: 8 years

2) RE: PV Systems, Wind turbine

Savings: 85% , Payback: 11 years

### Conclusions:

1) Traditional vernacular & modern **passive measures** save 72% energy compared to a conventional building.

These measures are cost-efficient therefore: **“replicable”**

2) **Renewable energy systems** a “Zero-Energy-Building” is possible.



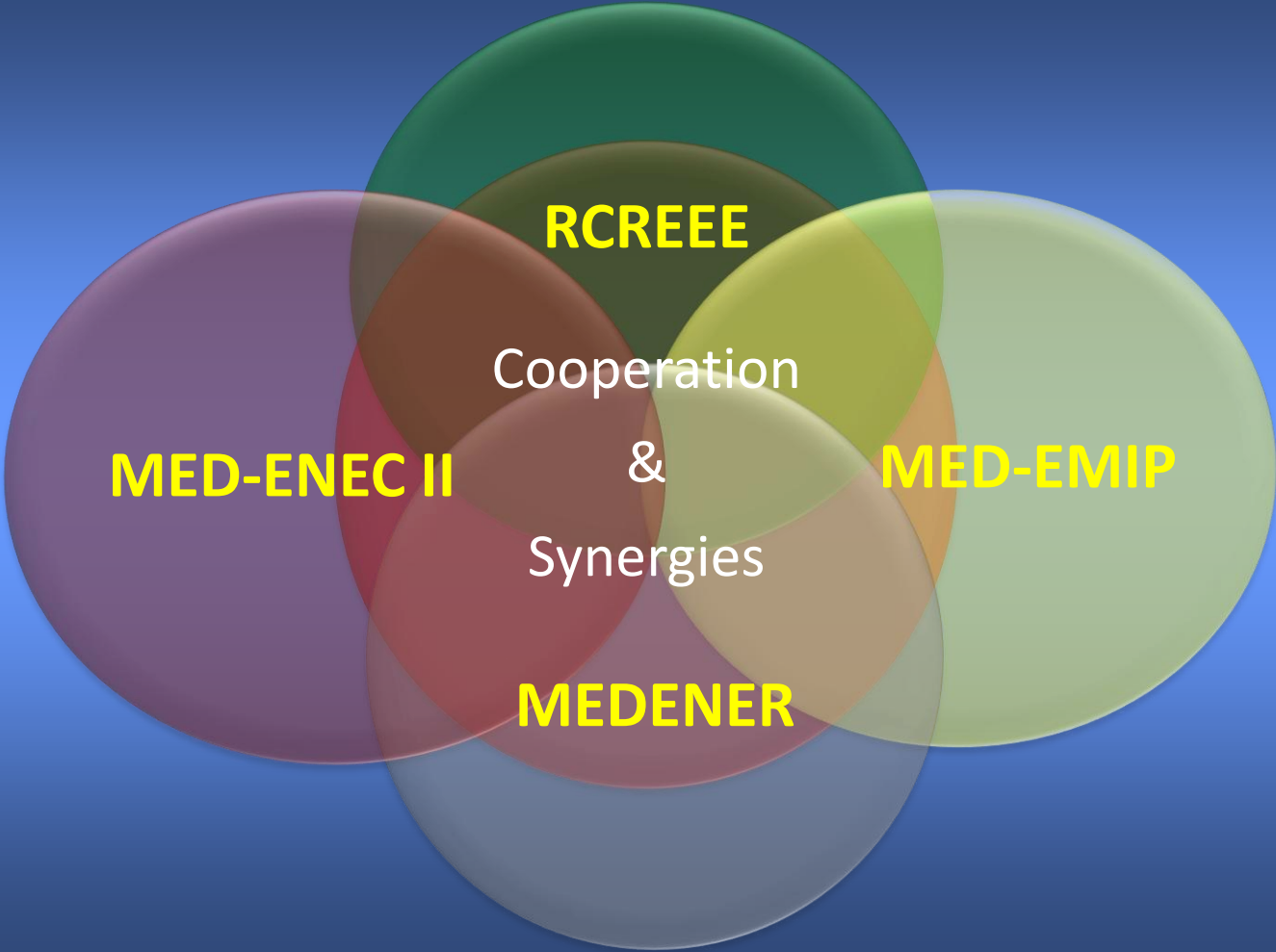


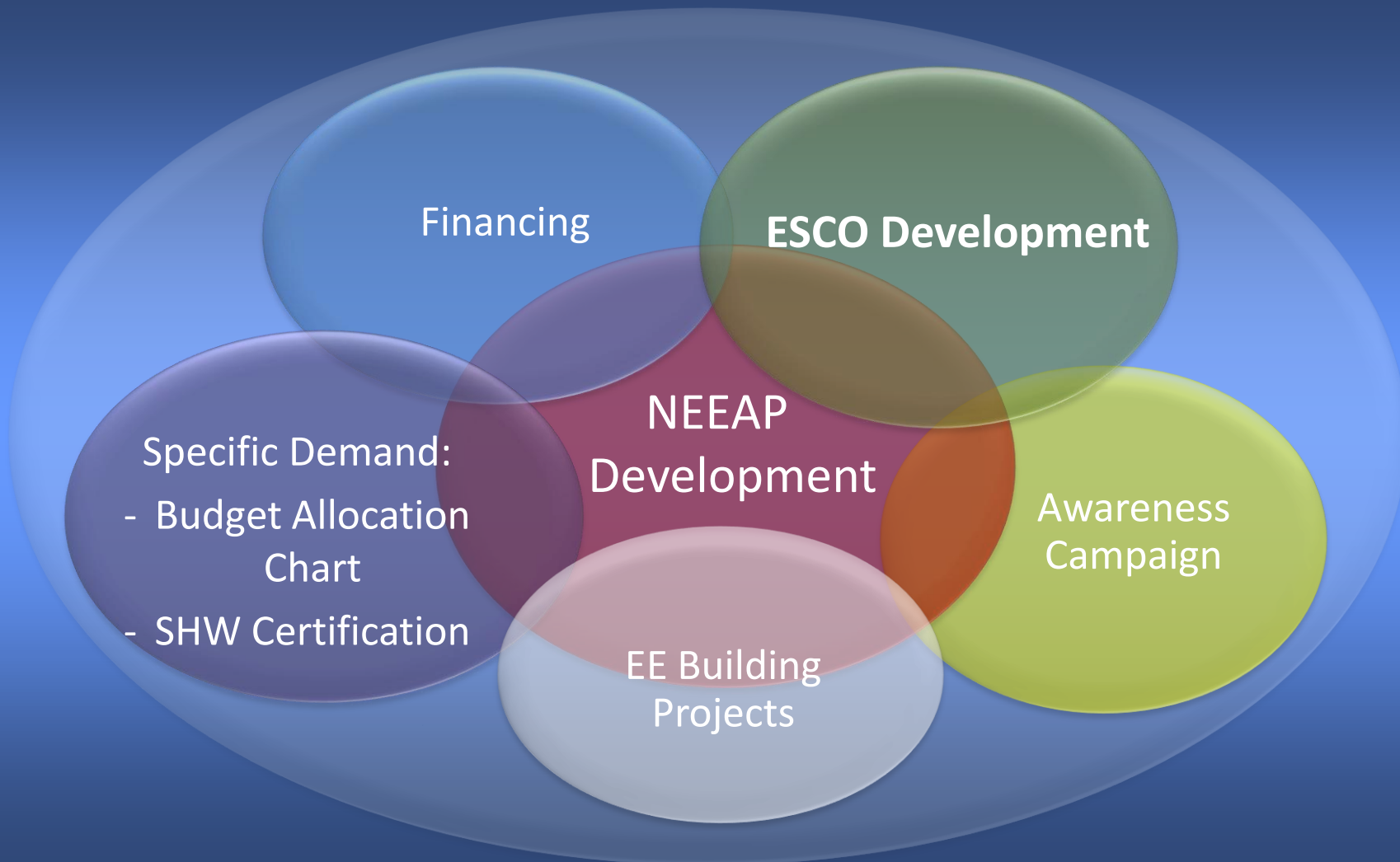
1. Improve framework conditions
2. Develop business and technology cooperation
3. Build institutional capacities and offer
4. Technical training
5. Support awareness campaigns
6. Initiate and promote broad EE/RE deployment
7. Intensify networking among actors

# Regional Cooperation RE & EE Projects



This project is funded by the European Union







- Overall strategy on Energy Efficiency
- Organize and settle all work on Energy Efficiency in a systematic way
- Identify major processes, applications, sectors and cross-sectoral activities of relative and highest impact
- Identify economic and sustainable solutions
- Step into a process of continual improvement

## 最略色的能源是省下来得能源

The greenest Energy is the energy which is saved.

**And:**

Saved energy is the only energy „resource“ which does not negatively influence the environment

Also renewable energies do influence the environment:

Large windparks, limits by availability of space,  
its transmission lines, same with large solar farms and/or:

Disposal of PV cells,...

The solution of energy supply problem of a country is only but  
Increasing the efficiency of its use. Only expanding generation  
Capacities (incl RE) will never solve the problem.

- Recent Developments in the field
- Pilot projects
- Events
- Documents
- Business Database
- Finance Database
- Awareness materials



The screenshot shows the MED-ENEC website homepage. At the top left is the MED-ENEC logo with the tagline 'Energy Efficiency in the Construction Sector in the Mediterranean'. To the right is the slogan 'FACING THE ENERGY CHALLENGE' and the European Union flag with the text 'This Project is funded by the European Union'. Below this is a navigation bar with links: Home | Contact | News | FAQ | Links | Helpdesks | Registration | Login. On the right side of the navigation bar are language options: English | Français | العربية. Below the navigation bar is a search bar and a menu with links: MED-ENEC | EE Developments | Building Projects | Database | Downloads | Events | Awareness. The main content area features a 'MED-ENEC' section with a description of the project, an 'Upcoming Events' section listing 'Egetica- Expoenergetica/Ecoconstruction 16.02.2011 - 18.02.2011', and a 'Welcome to MED-ENEC.com' section with a text block about the project's goals. There is also a 'The Energy Report - 100% Renewable Energy by 2050' section with a text block about the report.

**Dr. Kurt Wiesegart**

*MED-ENEC II Team Leader & Expert Policy Dialogue*

**giz International Services**

# Thank you very much!

MED ENEC Key Experts

Low Energy Building and Urban Planning - Florentine Visser

Business Development and Financing - Ammar Al-Taher

Communication, Events & Training - Dr. Marcel Seyppel

Project Office

7 Tag El-Din El-Soubky Street

11631 Heliopolis, Cairo, Egypt

**Tel.:** +20 (0)18 653 5517

**E-Mail:** [kurt.wiesegart@giz.de](mailto:kurt.wiesegart@giz.de)

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