



SHAAMS

STRATEGIC HUBS FOR THE
ANALYSIS AND ACCELERATION
OF THE MEDITERRANEAN
SOLAR SECTOR



Programme
funded by the
EUROPEAN UNION



**ENPI
CBCMED**
CROSS-BORDER COOPERATION
IN THE MEDITERRANEAN



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Promoting Solar Energy through SHAAMS Strategic Hubs

EnergyMed, Naples, 31st March 2016



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The SHAAMS project

- Strategic Hubs for the Analysis and Acceleration of the Mediterranean Solar Sector.
- Global budget: 3.200.344€
- Duration: 40 months (11/2012 to 03/2016)
- Funded by ENPI CBC MED Programme.





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The SHAAMS partnership





Starting point

Raising **public awareness on energy efficiency** through the transferability and implementation of good practices in **legal, regulatory, economic and organizational issues**, including the promotion of new financing mechanisms to facilitate the take up of solar technologies

- 🌀 **Opportunities and potentialities** of solar energy solutions
- 🌀 **Collaborative activities** between public and private stakeholders
- 🌀 **Common MED long-term approach** towards solar energy
- 🌀 Encouraging **informed debates**





How? 3 pillars

Policy Accelerator

☀️ Involving policy support actions to identify innovative solutions, solar energy strategies and to generate a unified approach towards a long term policy perspective for solar energy development.

Enterprise & Research Accelerator

☀️ Facilitate the transfer of solar technologies by establishing shared mechanisms and procedures for the development of the sector.

Social Accelerator

☀️ Addressing societal agents to promote a cultural and behavioural change towards solar energy among society.





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Results and Impact

**Policy
Accelerator**

4 participative
workshops

12 local meetings
(position papers)

24 Exchange missions

**750 stakeholders
involved**



Green Technology workshop –
May 2015, Amman (Jordan)



Local meeting on solar technologies –
June 2015, Naples (Italy)





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Results and Impact

Enterprise & Research Accelerator

- * **1 pool of research**
- * **18 Green Jobs Trainings** and capacity building actions / Training toolkit
- * **5 Brokerage events** (Jordan, 2 Lebanon, 2 Spain)

Green Jobs Trainings:
225 participants

Brokerage events:
>200 participants



Training of technical school teachers (Lebanon)



Brokerage event Beirut (Lebanon)



Brokerage event Barcelona (Spain)



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Results and Impact

Social Accelerator

- * 3 national energy reports (Jordan, Egypt, Lebanon)
- * Solar educational programme
 - * 2 Summer Camps
 - * 6 Sun Clubs (14 schools)
 - * 6 Earth Hour events
 - * RE Online Toolbox

**5.000 individuals
involved**



Sun Club



Earth Hour



Summer Camp





8 Main policy recommendations

1. A well balanced institutional framework is crucial to ensure solar development.
 - ❖ **Energy policies have to be tailored and adapted to country conditions and needs within a stable, predictable and adaptable policy framework.**
2. **Roadmaps design:**
 - ❖ Commitment to clear and understandable renewable energy targets represent an important first step towards long-term renewable energy planning.
 - ❖ **New energy strategy prolonged by RE and EE action plans** shall provide clear guidance and long-term orientation to be progressively reflected in the **legal and regulatory framework.**



8 Main policy recommendations

3. The new **Energy strategies** should rely on the pro-active involvement and commitment of electric power companies, **legislative and regulatory bodies**, research institutes, universities, and solar energy companies.

4. **EE&RE umbrella laws** in order to translate the policy objectives and targets of the Energy Strategy and then outlined by the RE and EE Action Plans into a **coherent, solid and articulated legal framework for EE&RE (by combining the amendment and adaptation of existing regulations and the drawing up of new regulations)**



8 Main policy recommendations

5. Overcoming up-front costs which are often too steep for the available cash flow and, in some cases, for **the limited access to credit**. To overcome this, there are not only feed-in tariff but also public loans, microcredit or micro leasing and fee-for-service arrangements.

- ✓ **Financing Schemes for EE&RE** in order to, where economic conditions are met, **set up adapted financing schemes** for investors/developers (RE), energy companies and users (EE and small RE) for EE&RE investment.
- ✓ **FEED-IN TARIFFS:** can also be differentiated according to the RES technology (wind, PVs, hydro, etc.) and the resource potential of each technology or area.



8 Main policy recommendations

6. Awareness, Education and Training

- ❖ sufficient information regarding PVs should be provided to the target groups concerned: public customers, contractors and building designers through dedicated workshops, training sessions for engineers, technicians and policy-makers.

7. Need to **develop and create local finance sources** for renewable energy, since dependence on international sources of finance and technology is not sustainable in the long run. For high potential EE&RE investments, set up adapted financing schemes for investors/developers (RE), energy companies and users (EE and small RE).

8. To maximize opportunities for social value creation

- ❖ more detailed studies should be taken into consideration for providing policy makers with more sophisticated tools for making informed decisions.





Project sustainability

- **Agreements with local and regional authorities - 21 MoUs:**
 - with Municipalities of Achkout and Menjez (signatories of the Covenant of Mayors) for preparation of SEAP (Lebanon).
 - with Region of Lazio and City of Rome (Italy).
- **Collaboration with IECD on the integrating of courses on PV systems in the vocational official curriculum in Lebanon:**
 - Training of teachers (July – September 2015)
 - Installation of PV systems for practical exercises.
- **[SHAAMS Knowledge platform](#)**: main source of information and interaction among the solar sector agents in the ENPI-CBC Med area.
- **Participation at international events:**
 - Beirut Energy Forum – Beirut (2014 and 2015); EnergyMed – Naples (2014 and 2016); Mediterranean Solar Forum, Mediterranean Week of Economic Leaders- Barcelona (2014 and 2015); ENPI Capitalization events.
 - **Earth Hour.**





Conclusions

- a) **Awareness raising was key** to reach the attention of a huge number of people, institutions, private companies and students on the opportunities and potential of solar energy.
- b) **Cooperation between SHAAMS and local partners** : opportunity to start new collaborations with local organizations also involved in the solar energy field.
- c) The **outputs delivered** by the SHAAMS project constitute a key step towards bigger investments leading to the increased use and promotion of solar energy in the Mediterranean.
- d) The optics of **continuity, transferability and capitalization** are necessary to enrich, improve or adapt the achieved results to ensure a long-term perspective.





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Thank you for your attention!

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For more information about the project:

www.shaams.org



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