

New jobs in the energy sector: the role of training


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Technology, training and employment

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- ✓ *Innovation produces lost of jobs in the industrial phase while al the beginning of industrialization and in post industrial phase it is a driver for the creation of new jobs*
 - ✓ *Italian cases : boilers' efficiency verification solar thermal plants construction*
 - ✓ *Problem : a market exists but operators are lacking*
 - ✓ *Solution may be training and promote employment of new professionals*

BARRIERS TO PENETRATION OF TECHNOLOGY INTO MARKET

- ✓ *expensive or not demonstrated technology (H2 cells - PV)*
- ✓ *legislative problems*
- ✓ *heavy authorization process (mini-hydro)*
- ✓ *economic and financial problems (building envelopes)*
- ✓ *socio-economic and cultural problem (solar thermal)*

1 BIOMASS: fuel STRUCTURAL SOLUTION

2 SOLAR THERMAL: scarce technical ability and competition with gas promotion campaign

Solution - Training campaign for solar plant installation

THE ITALIAN CASE OF BOILERS INSPECTORS

OBSTACLES AND PROBLEMS

- ✓ *LACK OF LEGISLATION (L 10/91- Energy efficiency decrees)*
- ✓ *COMPETITION WITH GAS DISTRIBUTION CAMPAIGN*
- ✓ *CULTURAL AND SOCIOECONOMIC PROBLEMS*

BOILERS ENERGY EFFICIENCY: boilers' inspectors

EFFICIENT ENERGY USE: energy manager

THERMAL PLANT DESIGN: high cost of control

ENERGY EFFICIENCY MEASURES: energy broker

Solution: New profession, training, promotion



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3 TOOLS FOR JOB CREATION

1. *PUBLICATION ON NEW PROFESSIONS IN EUROPE*
“DESCRIPTION OF NEW JOBS IN THE FIELD OF RENEWABLE ENERGY AND RATIONAL USE OF ENERGY” - 23 new professions in GREECE FRANCE, ITALY AND GERMANY
2. *A COLLECTION OF TRAINING COURSES IN EUROPE*
“COURSES AND TRAININGS IN EUROPE in the field of Sustainable Energy” - 130 opportunity in 15 countries
3. *JOB BURSARY - <http://ressources.cler.org/jobs>*
 - ✓ *CLER - <http://www.cler.org/predac>*
 - ✓ *IDEC - <http://www.IDEC.GR>*
 - ✓ *FIRE - <http://www.fire-italia.it>*

Conclusions

STRATEGY FOR NEW JOB CREATION

1. IDENTIFY NEW PROFESSION
2. IDENTIFY HOST STRUCTURES
3. PREPARE TRAINING COURSES
4. CONTRACT WITH HOST STRUCTURES
5. TRAINING and EMPLOYMENT

This could be a hint for new proposals

THANKS FOR YOUR ATTENTION



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