

Energy Efficiency Services in Intelligent Energy - Europe

Waltraud Schmid
European Commission
Intelligent Energy Executive Agency (IEEA)



waltraud.schmid@ec.europa.eu
CoR, Brussels, 20 June 2007



FROM IEEA to EACI

on 30 May 2007 the IEEA became the EACI
(Executive Agency for Competitiveness and Innovation)

- Management of parts of the CIP 2007-2013:
 - ▶ IEE II
 - ▶ business support networks
 - ▶ eco-innovation
- Management of Marco Polo I and II
- Dedicated units for each programme
- An opportunity to link EU programmes better whilst keeping their specific profiles



Studies & training



New publications



Video reports



Online database



Events



3



- support effective implementation of the Directive on energy end-use efficiency and energy services
- provide background information for setting appropriate energy-saving targets
- support monitoring and evaluation of policies, programmes and projects
- contribute to developing and testing widely accepted measurement and verification methods for energy savings
- forecast progress in energy efficiency under different scenarios
- develop and promote financial mechanisms for energy efficiency projects
- boost the market for energy service companies (ESCO)
- pave the way for future energy efficiency policies

4



Access to capital – should support actions to:

- Identify and remove legal barriers in national legislation to use of shared and guaranteed savings, third-party financing, energy performance contracting and other tailor-made financial models
- Investigate and promote market-based approaches to energy efficiency policies, for example by means of white certificates
- Promote identification, analysis and exchanges of best practices on financial mechanisms for promoting energy efficiency, including fiscal measures
- Foster development of energy services companies (ESCO): awareness-raising, confidence-building, creation of ESCO directories, etc.

5

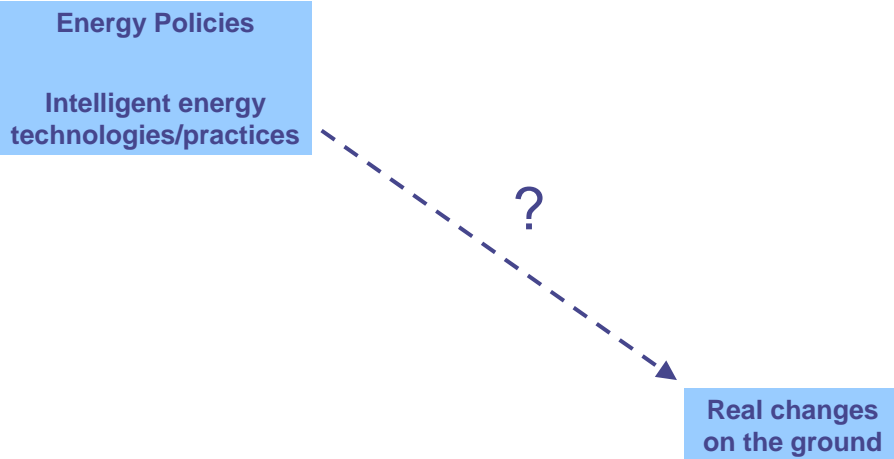


- **EU Energy Package**
 - ▶ -20% energy consumption by 2020
- **Buildings directive**
- **End-use and energy services directive**

6



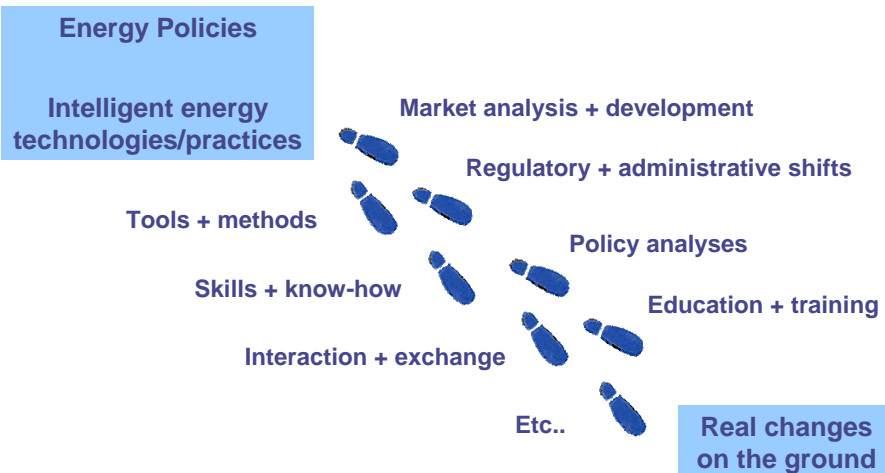
HOW DO WE GET FROM HERE TO THERE?



7



STEP BY STEP FROM POLICY TO ACTION



8



intelligent energy
ieea
European Commission executive agency

280 ONGOING EUROPEAN PROJECTS

Renewable energy

Transport

Buildings

Biofuels

Industry

Appliances

Developing countries

Intelligent Energy Europe

9

intelligent energy
ieea
European Commission executive agency

Projects related to “Energy Services Initiative”

- 17 on-going projects linked to the end-use energy efficiency and energy services directive (ESD):
 - ▶ Evaluation & Monitoring of the ESD
 - ▶ Promotion of the ESD
 - ▶ Analysis and development of new instruments
 - ▶ **Financing of energy (efficiency) services**
- + 4 projects under negotiation

=> 21 projects with ~ EUR 10.5 million support

Intelligent Energy Europe

Projects address

- ▶ specific markets
- ▶ specific energy sources / technologies
- ▶ specific market actors
- ▶ general platforms for exchange

11



- public buildings
- social housing
- enterprises

- **PU-BENEFS: Regional Market Preparation for Energy Efficiency Services in Public Buildings (2004)**
- **InoFin: Innovative Financing of Social Housing Refurbishment in Enlarged Europe (2005)**
- **ROSH: Development and marketing of integrated concepts for energy efficient and sustainable retrofitting of social Housing (2005)**
- **FinSH: Financial and Support Instruments for Fuel Poverty in Social Housing (2007)**
- **EFFI: Efficient Implementation of Energy Services in SME (2006)**

12



- Solar thermal
- Biomass and solar heating

- **ST-ESCOs: Development of pilot Solar Thermal Energy Service Companies (ST-ESCOs) with high replication potential (2004)**

- **BioSol-ESCO: Expanding biomass and solar heating in public and private buildings via the energy services approach (2007)**

- Banks and financing institutions
- Project developers

- **CF-SEP: Commercial Finance for Sustainable Energy Projects (2005)**

- **Fina-REET: Financing Products for Investments in Small Scale Energy Efficiency and Renewable Energy Technologies Applications (RL 2007)**

- **CONSERWE: Combining energy services with subsidy schemes towards energy efficiency (RL, 2007)**

- EU-15
- less developed regions

- EUROCONTRACT: European Platform for the Promotion of Energy Performance Contracting (2004)

- ClearSupport: Clearinghouse Facilitation - Paving Way for Better Energy Building Performance in EU Less Developed Regions (2006)



	AT	BE	BG	CY	CZ	DE	DK	EE	ES	FI	FR	GB	GR	HR	HU	IE	IS	IT	LI	LT	LU	LV	MT	NL	NO	PL	PT	RO	SE	SI	SK	Total
PU-BENEFIS	x					x			x	x	x	x						x														7
ROSH	x		x			x										x		x								x						6
Ino-Fin			x		x	x	x															x		x		x					x	8
FinSH						x					x	x						x								x						5
EFFI								x																						x	x	4
PRIME	x	x	x			x										x		x												x		7
ST-ESCO	x								x				x					x														4
BioSol-ESCO	x		x			x				x		x	x	x				x														8
CF-SEP						x			x												x		x								x	5
FINA-REET (RL)	x			x							x		x					x														5
CONSERWE (RL)					x			x						x							x		x			x						6
EUROCONTRACT	x					x				x	x	x	x					x							x				x			9
CLEAR SUPPORT	x				x	x	x	x				x	x		x			x		x	x	x			x			x	x			13
Total	7	2	4	1	4	9	2	3	3	3	4	4	5	2	1	2		9		3	4		4	1	1	5			2	3	3	



http://ec.europa.eu/energy/intelligent/index_en.html

