

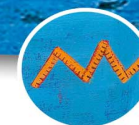
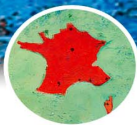


IEE2

Intelligent Energy Europe

European programme for financing
Energy efficiency and renewable
energies initiatives

Damien COCARD (ADEME) – NCP IEE2



First steps: EU main directives on energy

Do not forget renewable energies and energy savings!!

Directives for energy efficiency and renewable energies	Adoption	Transposition
Directives "labelling" (8+1)		
Directives "minimal efficiency" (3)		
Directive "renewable electricity"	Sept. 2001	Oct. 2003
Directive "building"	Nov. 2002	Jan. 2006
Directive "bio-fuels"	Mai 2003	Déc. 2004
Directive "co-generation-CHP"	Jan. 2004	Fév. 2006
Directive « éco-design »	Juillet 2005	Juillet 2007
Directive on energy services	Avril 2006	Avril 2008



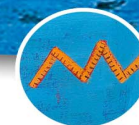
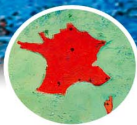
First attempt to a comprehensive energy policy for Europe (energy package)

TARGETS BY 2020

- at least 20% less greenhouse gas emissions
- 20% better energy efficiency
- 20% share of renewables in the energy mix
- 10% biofuels in transport fuel

SOME MEASURES

- 6-year Energy Efficiency Action Plan
- Proposal for a renewable energy roadmap
- EU Strategic Energy Technology Plan

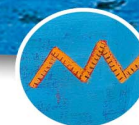
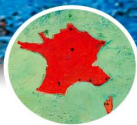


Summarizing the EU context

Energy at stakes at European level >>> translation into policies (Directives, Green and white papers, action plans)

2007-2013: the new programming period >>> policies translated into financing programmes

New financing framework = new opportunities



EU financing energy from R&D to Markets

Energy action plan and directives

DG Env, Ent, Regio, R&D

FP7
DG R&D

Eurêka

Life +
DG Env

CIP eco-technologies, IEE, ICT
DG Entr

**Operational programmes – structural funds
des fonds structurels – ERDF- ESF**
regional competitiveness and employment

JEREMIE

Export

R&D

Demonstration

Development



Financing energy in France

French national policies on innovation and research

National research agency

Ministry of research

Ministry of industry (Competiveness funds)
Ministry of SMEs (Programmes growth for SMEs)

Ministry of environment

Ademe call for proposals

OSEO (agency for innovation)

Investment funds, venture capital

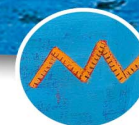
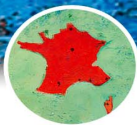
Agency for industry

Export facility

R&D

Demonstration

Development



Summarizing main EU financing instruments

CIP (competitiveness and
innovation programme):
IEE 2 et eco-innovation

FP7 (research and development
framework programme):

Priority « energy, transport,
ICT » + concerto + civitas

LIFE+ (environment)
Ecoinnovation

**Energy
financing**

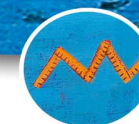
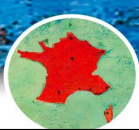
Banks and funds
(EIB, EBRD, energy
facilities...)

IPA (Pre-accession Instrument)

Ex PHARE/SAPARD/ISPA
multiannual programmes on
capacity building

**National and regional
programmes**

In synergy with EU fundings



IEE2 within a framework: CIP

- Managed by DG TREN
- CIP decision



- Autonomous pillars
- Budget: 727M€ over 7 years

CIP Structure: 3 pillars 2007-2013

Entrepreneurship & Innovation (EIP)

EIP committee

€ 2.170 million incl.
€ 430 for eco-innovation

Intelligent Energy Europe (IEE)

IEE committee

€ 727 million

ICT Policy (ICT)

ICT committee

€ 730 million



IEE 2 : overall objectives

Contribute to the EU general objectives of energy supply security, competitiveness and sustainability

- Energy efficiency & rational use of resources (SAVE)
- New & renewable energy sources (ALTENER)
- Energy in transport (STEER)
- Integrated projects (specific focus)

**From R&D / demonstration to the market (soft projects):
allowing that best practices and technologies are adopted by most of the citizens
and professionals**



IEE 2: operational objectives

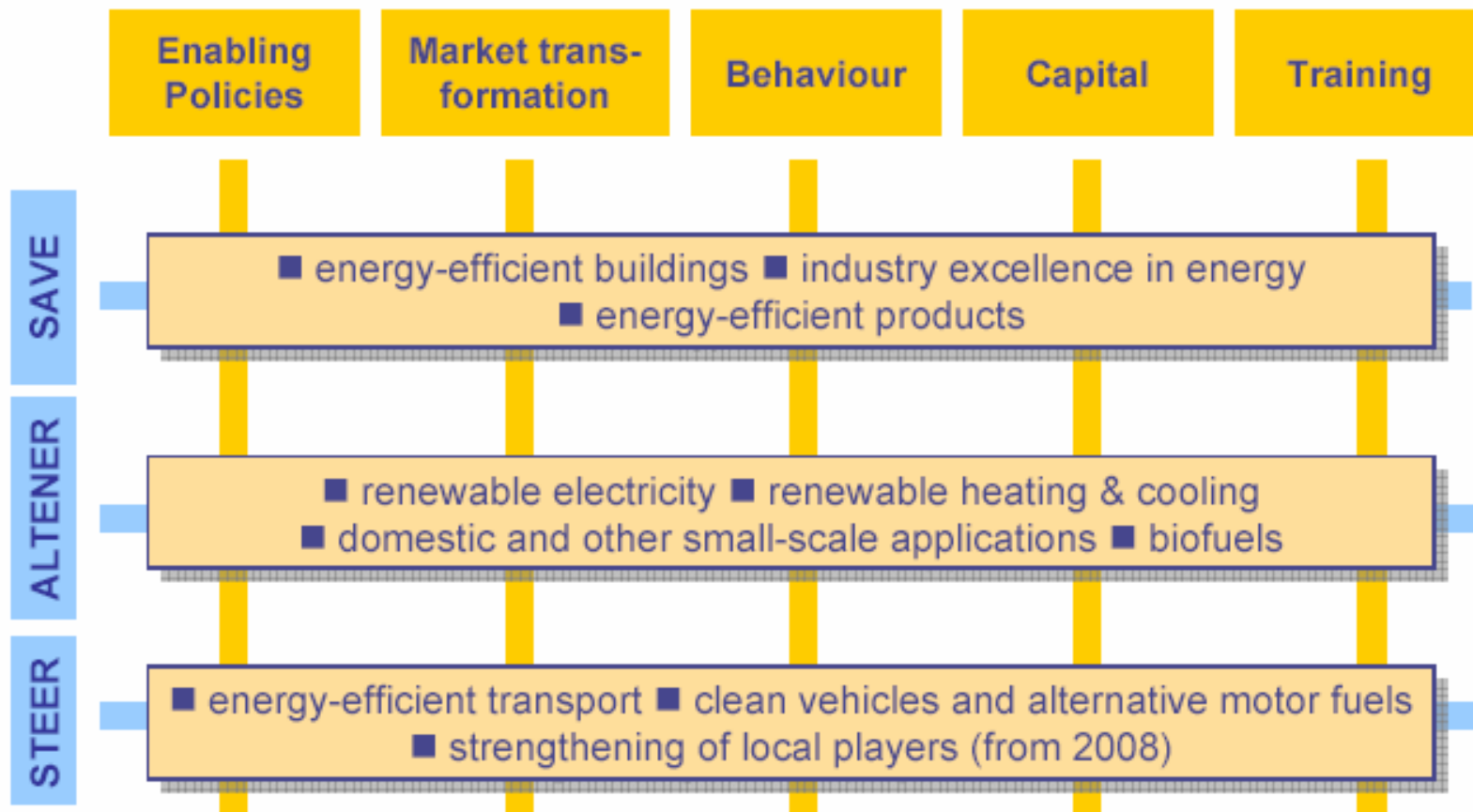
5 axes for more efficient projects

- *Enabling Policies and Strategies*
- *Market Transformation*
- *Changing Behaviour*
- *Access to Capital*
- *Training people*



IEE 2 Structure (I)

Specific fields





IEE 2 structure (II)

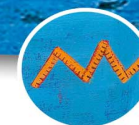
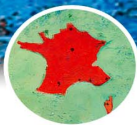
Integrated initiatives

LOCAL LEADERSHIP

- Creation of local and regional energy agencies
- European networking for local action
- Sustainable communities

SPECIAL INITIATIVES

- Bio-business Initiative
- Energy services Initiative
- Intelligent energy education initiative
- Combined heat & power Initiative
- Concerted Action for the Buildings Directive



Summarizing the themes



Renewable energy



Transport



Buildings



Biofuels



Appliances



Industry



Project features (I)

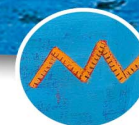
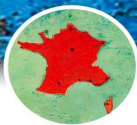
European added value = Learning together, making impact at EU level

>> national or local projects under subsidiarity

Non-technology programme = SOFT projects

>> accompanying measures addressing non-technological barriers and stimulating market growth across the EU

NOT funding costs for hardware investments
(Market Replication Projects to be defined for 2008)



IEE 2 project features (II)

The « step by step » approach >> **SOFT PROJECTS**





IEE2 : partnerships

3 TARGET GROUPS

Key action	SAVE			ALTENER			STEER		INTEGRATED						
	Buildings	Industry	Products	RES-e	RES-HC	Domestic / small scale RES	Biofuels	Energy efficient transport	Clean vehicles and alternative motor fuels	Energy agencies	Networking for local actions	Sustainable energy communities	Bio-business initiative	Energy services	Energy education
Target group															
Public authorities															
National authorities															
Regional authorities															
Local and Municipal authorities															
Planners															
Regulators															
Policy makers															
Support scheme managers															
Market analysts, researchers, modelers															
Statistical offices															
Utilities															
TSOs and DSOs															
District heating companies															
BSCOs															
Energy / transport agencies															
Education system															
Investors															
Financial institutions															
Bankers															
Project developers															
Civil society															
NGOs															
Associations															
End users															
Architects															
Building services engineers															
Building managers/administrators															
Public Buildings owners															
Homeowners															
Housing associations															
Manufacturers															
Chambers of commerce															
Commerce, Retailers															
Product distributors, processors															
Farmers, landowners															
Forestry industries															
Industry															
SME's															
Craftsmen															
Installers															
Fuel processors															
Industry associations															
Transport operators															
Fleet operators															
Freight operators															
Drivers groups and associations															
Vehicle manufacturers															
Standards bodies															
Media															

Professional associations, manufacturers, utilities, craftsmen, SMEs, Industry, chambers of commerce...

Technical associations, architects, building owners, energy agencies, transport operators



IEE 2: projects in practice (I)

- o Annual work programme

- o 2 Main instruments:

 - Promotion and dissemination projects

 - Market replication projects (2008)

 - >> Funding rate:

 - Up to 75% of eligible costs

 - >> Project size:

 - minimum 3 participating countries; average of 6-10 countries

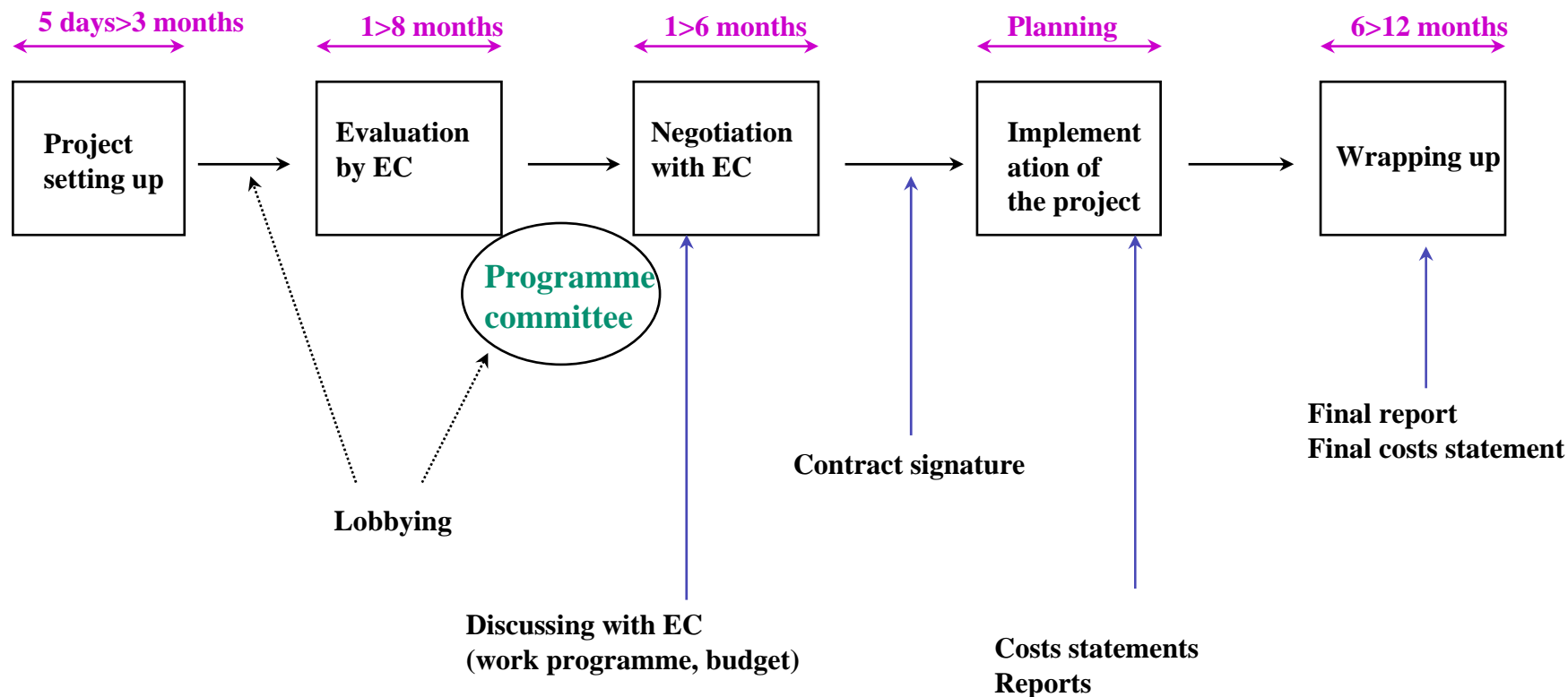
 - >> Project grant:

 - From 400 to 1000 k€(1-1,5M€budget)



Project in practice (II)

From the project manager's side





IEE 2 : How to proceed?

Project = Idea+team+budget

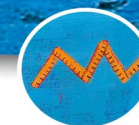
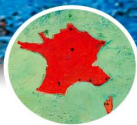
- **Dialogue between hierarchy and engineers** : initiatives and motivation needed!! (they need strong support and expertise)
- **Set up management teams, with clear responsibilities, autonomy and delegation of authority**
- **Promote working/networking groups for best practices exchanges and easy information exchanges** (training is crucial)
- **Follow the rules** (be formal and answer carefully the questions asked)
- **The financial and administrative part is as important as the technical part** (technical/administrative twinning)
- **Assess your idea and give easy reading in English** (charts and drawings (2 hours for evaluation))



Toolbox: 7 criteria's screening

- your context? >> Identify the barriers
- your objective(s)? >> What you expect to change
- your result(s)? >> Concrete outcomes
- your target group(s)? >> Groups engaged or influenced
- your consortium? >> Legitimate, reliable, representative
 - your European added-value?
 - your transferability level?

Do not forget « dissemination » and mind the timing and deadlines!!!



MORE INFORMATION

- **IEEA web site**
http://ec.europa.eu/energy/intelligent/index_en.html
- **IEE projects examples**
http://ec.europa.eu/energy/intelligent/projects/index_en.htm
- **Managenergy (Internet broadcast)**
<http://www.managenergy.net/>
- **Legislation SCADPLUS:**
http://europa.eu/scadplus/scad_en.htm
- **IPA**
http://ec.europa.eu/enlargement/financial_assistance/index_en.htm
- **FP7**
http://cordis.europa.eu/fp7/home_en.html



Thank you for your attention

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