



## Doing more with Less Renewable Energies and Energy Efficiency

Thanks to vigorous research, development, demonstration and market introduction programmes at European, national and regional level, renewable energy and energy efficiency technologies have made significant progress in terms of performance, cost-efficiency and reliability. Whilst technology development has been a key enabler in the progress of renewables, significant market penetration would have been impossible without appropriate support policies.

The project has a strong policy and market analysis focus, and has an important impact on Member States, by providing data on national markets and assessment of national policies. The work has a particularly strong focus on New Member States, Candidate Countries and Neighbouring countries where there is the greatest potential for energy efficiency improvement, and where there has been less development and support for renewable energies.

Particular emphasis is placed on the integration of energy supply and demand and in anticipating new concepts and developments of energy services (including distributed generation, smart network, optimised consumption, energy service companies (ESCOs), certificates) allowing optimal use of local renewables and energy demand, and in new business models that would support the transition to sustainable energy systems.

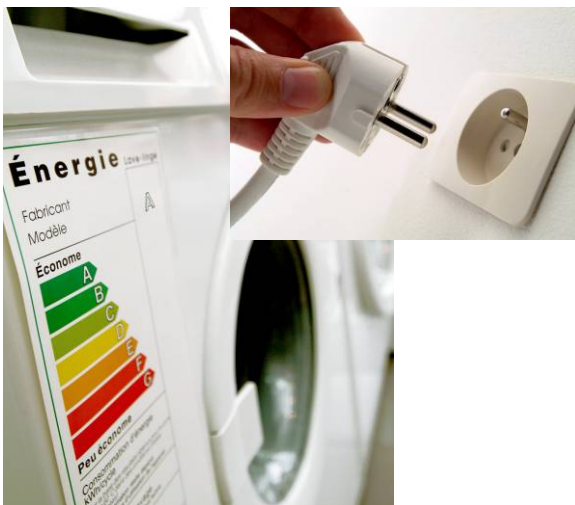


### **Technical & Scientific Support for Renewable Energy Policies**

- Assessment of the national and regional renewable energy options by analysing and comparing national and regional policy measures with respect to resources, dispatching and technology, in order to support the burden sharing for the 2020 targets
- Assessment of non technical barriers to more rapid deployment of renewable energy in order to identify how the different stakeholders perceive the benefits, the costs and the role of the renewable energies within the overall energy portfolio.
- Preparation of up-to-date Reports on Renewable Energy Resource, Technology and Implementation such as the Photovoltaic Status Report and other Technology snapshots

## **Technical & Scientific Support for Energy Efficiency Policies**

- Assessment of Member States' energy efficiency policies and measures; assessment of energy services (**ESCOs**) and **financial mechanisms** to support investments in energy efficiency,
- Assessment of the technology options (e.g. LED lighting technologies, advanced motors) to support the development of EU and national action plans for the 2020 targets.
- To continue updating the pre-normative activity of the **European Codes of Conduct for Set Top Boxes, Broadband Equipment, External Power Supplies and Data Centres** for the reduction of energy consumption in fast-growing sectors responsible for large energy consumption



## **Technical & Scientific Support for Development Policies**

- Contribution to increase the visibility of the EU Energy Initiative for Poverty Eradication and Sustainable Development (EUEI) activities. The EU proposes to work with developing countries towards maximising energy efficiency and increasing the use of renewable energy.
- Support DG AIDCO for the global evaluation, analysis, and visibility of the ACP-EU Energy Facility.
- Contribution to the JRC "ACP Observatory for Sustainable Development" with specific data on relevant renewable energy resources and technologies for African countries. Define specific support schemes for renewable energy technologies in rural electrification programmes in developing countries

## EC voluntary programmes



MotorChallenge



GreenLight



GreenBuilding

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