

## OVERALL OBJECTIVE

To provide participants with the accurate and analytical tools geared towards the development of Energy Policies and operational implementation strategies. The Certification also integrates the environmental challenges and constraints linked to the strategic choices made in terms of national energy policies.

## TRAINING OBJECTIVES

At the end of this certification, the participant will be able to:

- Understand the complexity of priority policy changes for the energy development of the developing countries, and to masters the implementation process of the whole body of energy policy in the light of the global and local environmental issues;
- Fully consider the structure, the organization and the running process of energy systems as well as make a proper use of key information through a better grasp of energy statistics interpretations, units and methodology;
- Set up at country level, a country-wide vision along with the associated objectives, both serving as a means towards the integration of country-wide increase of access to energy services and a sustainable development;
- Clarify and deal with strategies for implementation i.e. coping with energy investment programs in the context of RBM implementation process (i.e. operational planning, medium-term budgeting ...).



## CONTENT

### *1st Week: Specific stakes and strategic planning of energy systems, Integration of energy issues and environmental concerns*

- Analysis of the country-wide energy concerns background
- Energy Development (Energy & Self Development, Energy & GDP) vs. Sustainable development (economic, social et environmental)
- Increasing access to energy basic needs and energy services as a matter of concern
- The major energy options and their environmental outcomes
- Insertion and consistency of energy policies with country-wide strategies of development (PRSPs, MDGs...)
- Strategic planning and its integration process with local development
- Required institutional Infrastructure towards the operational implementation of Energy development
- Technical and Institutional components of the Results-Based-Management approach
- Energy Investments programs framework [multiannual planning and budgeting tools]

## ***2nd Week: Organization and running process of Energy systems***

- The Energy chain and energy systems breakdown : from primary energy carriers to final forms of energy
- Specificities of the various forms of energy: hydrocarbons and petroleum products, electricity, biomass and other renewable energy forms
- Energy efficiency and Energy conservation
- Energy markets and Energy operators
- Energy prices determination process for the various sources of energy (domestic and international costs examination and analysis )
- Energy natural units (Mass and volume units), reliability and availability of energy statistics, the dissemination information in a clear and comprehensive manner: the energy commodity balance

## ***3rd Week: Energy policy statement and country-wide Investments programme***

- Setting up a country-wide vision along with the objectives of the associated Energy Policy
- Priority objectives, major lines of action and key stakes of an Energy Policy
- Energy security and the impacts of Energy price and supply unpredictability
- Dealing with Energy Investments programs: methodology approach and assessment of required financing amounts
- Sources and financing mechanisms for energy investments in the developing countries
- Carbon Fund and market-oriented instruments as financing mechanisms for energy investments within the Kyoto Protocol apparatus dissemination
- Case studies

