



ADVANCED INTERNATIONAL TRAINING PROGRAMME 2011

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# Efficient Energy Use and Planning

Part 1 Workshop in Africa/Asia, September 2011

Part 2 In Sweden, November 14 – December 7, 2011

Part 3 Regional Phase, March/April 2012

## Invitation

The Swedish International Development Cooperation Agency (Sida) offers, as part of its bilateral development assistance, Advanced International Training Programmes of strategic importance to the social and economic development in the participants' countries. The International Training Programmes are specially designed for persons qualified to participate in reform processes of strategic importance on different levels and holding a position in home organisation with mandate to run processes of change. This methodology is based on the assumption that your country wishes to carry out changes and is willing to invest own resources to achieve these changes. In the long-term perspective the programmes shall contribute to institutional strengthening and capacity development in the participants' countries.

The training is focused on support to individual or team plans for change. The plan shall be well established in the participant's organisation and is a basic part of the programme concept.

In this brochure you will find information on the specific objectives for this particular programme, its content and structure, and how and when to apply. You will also find an application form.

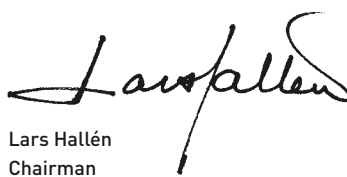
Swedish knowledge about efficient use of energy and renewable energy sources is based on long experience of design and construction, operation and maintenance, asset management and manufacturing of equipment for the energy sector. Sweden also has extensive experience of using various policy measures in order to promote sustainable energy and reduce impact of energy use on the environment. As a result Sweden, as one of a few countries, has managed to continue growing economically during a range of years at the same time as the energy use has decreased. Such a decoupling of economy and energy is a good example of the benefits of efficient energy use. Since most energy efficiency measures are profitable also in a short term perspective, Swedish industry has developed and implemented a wide range of innovative energy efficient solutions.

In the Swedish policy for combating Climate Change, measures to improve energy efficiency in all sectors of the society play a vital role. Thus, the official target to reduce the energy use by 20% to year 2020 will be supported by a whole range of policy measures (e.g. carbon tax, energy advisory services, energy auditing, energy labeling) directed towards key stakeholders in the society, including local governments, industries, and households.

Sida has commissioned LIFE Academy to carry out this advanced training programme on Efficient Energy Use and Planning. The programme will be implemented in cooperation with the Royal Institute of Technology (KTH) and the Energy Office of Region Värmland, a regional agency for energy efficiency and planning. We trust that you will find the training programme interesting and hereby invite you to nominate candidates.



Lena Ingelstam  
Director  
Sida



Lars Hallén  
Chairman  
LIFE Academy

## Programme Objectives

The overall objective of the programme is to contribute to capacity building and change processes in the participants' organizations in order to achieve sustainable and strategic energy efficiency in the participating countries taking poor people's needs and rights into consideration.

The programme aims at poverty reduction through the use of available energy in a more efficient manner.

The programme will deal with efficient energy use and planning within the various sectors of the society. The programme shall provide knowledge about energy efficiency as well as concrete methods and tools for initiating and leading change and advocacy, national and local energy planning and work towards in-

creased cooperation between various actors within a society. In this way, participants are expected to act as change agents.

The specific objectives of the programme are to provide the participants with:

- Increased knowledge of energy efficiency and its benefits for sustainable development and poverty reduction;
- Increased knowledge of methods and tools for energy efficiency;
- Increased knowledge of methods and tools for organizational change;
- Expanded international and national networks for exchange of knowledge and experience within the energy sector

## Contents

### Change Project

A central component of the programme is the participant's own Change Project addressing a relevant problem within the scope of the programme.

The Change Project should be something the participant and his/her organization want to implement during the period of the programme. An outline of a proposed Change Project (or a project idea) is to be submitted together with the application form. It will form part of the basis for selection of participants to the programme.

The project has to be endorsed by the participant's organization.

## Modules

The programme is divided into five interlinked modules:

### 1. Sustainable Energy Systems

The module provides an introduction to the energy sector, giving the participants a deeper knowledge of energy efficiency potential and its relation to the energy system as a whole. The module also introduces various renewable energy sources and their environmental impact, costs etc.

### 2. Tools for Situation Analysis

The module provides participants with tools and methods for a situation analysis as the basis for long term strategic work on energy efficiency at national and local level. Methods for analysis of energy consumption, energy efficiency and potentials for energy savings will be introduced.

### 3. Tools for Energy Efficiency Work in Practice

In the module, various technical measures for the practical work with energy efficiency are introduced as well as methods to describe, evaluate and verify the effectiveness of these.

### 4. Implementation of Energy Efficiency

The module covers different instruments and policy measures for an energy efficient society and how these can be applied in practice. It also deals with management, organization and participation processes as well as issues related to finance and markets.

### 5. Change Project and Processes of Change

The Change Project plays a central role in the programme and in this module methods such as project management and networking to support a process of change will be introduced.

## Programme Structure

### Phases

#### *Phase 1 – Preparation and a three-day Scheduled Workshop in the region*

Two **regional workshops** will be held, one for participants from Africa and one for participants from Asia. At the workshops the participants will get support in defining and developing their Change Project.

The workshop aims at stimulating cooperation between participants,

their respective organizations and the regional networks.

#### *Phase 2 – Scheduled Programme in Sweden, 3,5 weeks*

During the **training period in Sweden** participants will be exposed to Swedish knowledge and experience of energy efficiency and sustainable energy systems. Interactive lectures and professional exchange dialogues will be combined with excursions, study visits and group work.

#### *Phase 3 – Intermediate Consolidation Phase*

Back in their organizations, participants will continue anchoring their Change Projects in dialogue with colleagues and other stakeholders before starting the implementation. Web-based tools for communication will be used for networking, peer review and for interactions with and support from the mentors.

#### *Phase 4 – Regional Phase, Scheduled Programme, 1,5 weeks*

**The regional phase**, will take place in one of the participating countries. During this session the participants will report on the progress of their Change Project with feedback from the mentors as well as other participants. Study visits will provide opportunities to learn from local and regional experiences.

#### *Phase 5 – Continued Support Phase*

Through the web there will be ongoing interaction between participants, their institutions and the mentors. During this phase the Change Projects will be implemented, evaluated and reported on.

### Date and place for the scheduled parts

The total duration of the programme is 16 months (phase 1–5) out of which 5,5 weeks are scheduled sessions. The three-day workshops in phase 1 will take place in selected countries in Africa and Asia in **September 2011**.

The training component in Sweden will take place **November 14 – December 7, 2011**. The programme will be held in Karlstad and Stockholm. The regional session will be held in **March/April 2012** in one of the participating countries.

The programme will finish during the autumn 2012.

### Learning processes

The programme includes a diversity of pedagogical methods such as lectures, group works, forum discussions, case studies, study visits, mentor support and extensive use of ICT. Planning, implementation and evaluation of the Change Project will provide continuity to the programme over the 16 months.

### Management and staff

The training programme is carried out under the management of LIFE Academy, Karlstad, in cooperation with the Royal Institute of Technology (KTH), Stockholm, and the Energy Office of Region Värmland.

### Participation

#### Target regions:

The countries invited with first priority to this programme are: Botswana, Kenya, Mocambique, Namibia, South Africa, Tanzania, Uganda, Zambia, China, India and Vietnam.

However the programme is also open for other countries with potential and ambition for energy efficiency planning.

#### Target Group:

The programme is primarily intended for decision makers, planners, trainers, managers and specialists qualified to participate in reform processes of strategic importance for the energy sector in the country.

The candidate should hold a position with mandate to initiate and implement changes in the field of energy efficiency. Candidates representing government organizations, private companies or NGOs at national, regional or local level are welcome to apply.

The candidates should hold an academic degree or having equivalent knowledge and have at least five years of professional working experience. The number of participants is limited to 25.

The outline of the Change Project together with the commitment of the home organization to support the participant and actively involve in the implementation of the



project will be of crucial importance in the selection of participants.

To achieve a good gender balance, applications from qualified women are especially welcome.

If selected, the participants are required to attend all scheduled parts of the programme.

Due to the character of the programme, family members are not allowed to accompany participants to the programme.

#### Language requirements

The training will be organized and conducted in English and consequently high proficiency in the English language is required. Candidates with other mother tongues will have to certify their proficiency in English.

### Application Process

**Closing date for application is  
April 10, 2011**

Application is to be made on the special form attached and include a recent photograph and all required information and documents. The applicant must be nominated by her/his organization or institution. When necessary, the application is to be approved by the official nominating authority in the country. The application is to be submitted to the nearest Swedish Embassy/Consulate. If there is no Swedish

Embassy/Consulate in the applicant's country, the application should be sent directly to the Programme Secretariat. Selected applicants will be notified by e-mail or telefax.

### Cost of Participation

Sida will cover all training cost such as lectures, literature, documentation, study tours and certain social activities as well as accommodation and food.

International travel costs to the workshop in phase 1 as well as to Karlstad, Sweden in phase 2 **are not included** and is the responsibility of the participant or his/her organization. The international travel costs to the regional session in phase 4 **will be covered by Sida.**

### Accommodation

Accommodation will be arranged for the full duration of the scheduled parts in Sweden, Africa and Asia.

### Visa

Participants are responsible for obtaining all visas necessary during all phases of the programme. The costs for obtaining visas are carried by the participant.

### Insurance

All participants are covered by a group insurance while on scheduled parts of the programme.

### Contact information

Address for all communication is:

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Köpmannagatan 2,  
SE-652 26 Karlstad  
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### Certificate

Participants who successfully complete the programme will be awarded a certificate of the training undertaken.

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LIFE Academy is a global network academy, offering international training programmes in sustainable development, such as Environmental Management, Renewable Energy, Climate Change and Information & Communication Technology. After having participated in a training programme at LIFE Academy in Sweden, the participants become members of LIFE Academy. Today LIFE Academy has members in "key positions" in their home countries in more than 70 countries of the world, covering Asia, Africa and Latin America



The Royal Institute of Technology (KTH) in Stockholm is a leading technical university in Europe and provides educational programmes and research in energy and other engineering fields. Energy areas covered include heat and power production, electricity production and distribution, energy systems studies and energy efficiency.



The Energy Office of Region Värmland is a regional public resource center for energy efficiency and planning. The Energy Office is cooperating with the Swedish Energy Agency and working with municipalities, companies and organizations to reduce energy consumption and greenhouse gas emissions and promote the use of renewable energy sources. The office has extensive knowledge and practical experience from energy efficiency work at a local and regional level.

SWEDISH INTERNATIONAL DEVELOPMENT COOPERATION AGENCY

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