



ADVANCED INTERNATIONAL TRAINING PROGRAMME 2011

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# Electricity Distribution Management

Sweden, Malmö and Stockholm, August 22 – September 16, 2011

Regional, one of the participants countries, 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.



Lena Ingelstam  
Director  
Sida

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.

## Programme Objectives

- To provide know-how in the field of electricity distribution, including rural electrification, covering financing, management and technical questions.
- To create awareness of integrated approach towards electricity distribution in relation to energy supply, country planning, environmental aspects and socio economy.
- To transfer Swedish experience and Swedish technology to the participants' countries
- To establish stable human networks and partnership mutually between participating countries and with Sweden
- To establish Change Projects to: Contribute to a sustainable electricity distribution. Contribute to better availability of electricity.

The Projects shall be realistic in scope, be possible to duplicate or be a part of a strategy.

## Contents

Important in the programme is a Change Project, which the participants shall be able to implement in his/her home country. The participants will be provided support from mentors for their Change Projects.

The support will be given throughout the programme.

The focus of the programme will be on electricity distribution, but areas related to transmission and national system planning and small scale generation will be presented.

Basis for the programme will be:

- The role of electrification for regional development
- Rural electrification
- Energy efficiency
- Sustainable development
- Poverty perspective
- Environmental aspects
- Organisational development
- Privatisation and de-regulation of electricity markets
- Businesslike performance

**The programme in Sweden** will include the following main subjects:

**Basic overview of the energy field:** Electricity distribution, International trends, Kyoto protocol, Privatisation and deregulation of electricity markets

**Tools for follow-up:** Life cycle analysis, Quality of supply, Risk analysis, Environment and socio economy in investment and maintenance

**Technical solutions for existing and future systems:** System

balance, Cost efficient and robust systems, DSM and loss reduction, GIS, Metering solutions, Small scale local generation

**Organisation of electricity distribution:** Business planning, Strategic planning, Management, Local distribution utilities (like cooperatives), Marketing, Customer service, Maintenance

**Businesslike conditions and market:** Actors in the electricity markets, National system responsibility, Pricing, Financing incl. subsidies, Local isolated networks, Demand analysis and load forecasting models, Strategies for electrification, Customer service, Invoicing of customers

**Participation processes:** Models for stakeholder analysis, social marketing, gender planning

**Strategic choice of development for an efficient and long term electricity supply:** Methods and criteria for selection of projects, Strategies for rural electrification, Criteria for sustainable electricity supply, International financing and procurement rules, Consequence analysis for projects

**Mentor support to the Change Projects:** Support in groups

The regional seminar will have its focus on the Change Projects, but additional training can be provided within the above areas. The detailed contents will depend on the needs and desires identified by the participants during the programme in Sweden.

## Programme Structure

### Date and place

The programme will be divided into five phases:

- (1) The participants prepare their Change Projects. Mentor support provided from Sweden.
- (2) Training programme in Sweden between 22 August and 16 September 2011.
- (3) The participants work with their Change Projects. Mentor support from Sweden.
- (4) A follow-up regional seminar in one of the participants' countries during one week 2012.
- (5) The participants finalise their Change Projects up to May 2013. Mentor support from Sweden.

Three of the four weeks in Sweden will be held in Malmö and one week in Stockholm.

### Teaching

The training will include different methods of instruction, such as lectures, exercises, group discussions, study visits and project work. Mentor support will be provided for the Change Projects. The support will be given at distance during phase (1), (3) and (5).

### Management and staff

The programme is carried out under the management of Grontmij in cooperation with ÅF. Also KTH has an important role in the programme.

## Participation

### Target region: Global

Priority countries

*Africa:* Ethiopia, Gambia, Ghana, Liberia, Malawi, Mozambique, Nigeria, Rwanda, Sierra Leone, Sudan, Tanzania, Uganda, Zambia, *Asia:* Cambodia, Laos, Mongolia, *Latin America:* Bolivia, Colombia, Guatemala

### Target group

Only candidates nominated by the appropriate organisation and in accordance with local rules will be accepted.

Women are encouraged to apply.

The program will promote more than one candidate per country, representing different actors, with the aim to develop a network for a change project.

Candidates are expected to show promising career prospects and have obtained a degree from technical, economical or similar faculty.

The programme is addressed to candidates from:

- Organisations acting in the field of sustainable supply of energy, e.g. network operators, electricity cooperatives, contractors, NGOs, etc.
- The private sector, e.g. power companies.
- Governmental energy and development organisations.

The participants will attend the programme in their individual capacities, but representing their home organisations and countries. The participants will attend the training programme in accordance with the schedule prepared by the host authorities and shall comply with the rules and regulations laid down for their training.

The participants as well as their Change Projects shall be promoted by their organisation.

The participants are expected to participate actively in the training programme, primarily with their Change Projects.

Priority will be given to applicants who earlier not have participated in Sida's international training programs in Sweden.

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

### Language requirements

The programme will be organised and conducted in English and consequently a 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 15, 2011.**

Applications submitted after closing date will not be considered.

The application shall be written on the special form attached and include a recent photograph and required information and documents.

The application must include a description of a Change Project, which the applicant can work with during the programme from June 2011 to May 2013. It shall be realistic to implement the project before the end of the programme. The Change Project as well as the application itself must be approved by the organisation / institution / company of the applicant.

When necessary, the application should be approved by the official nominating authority in the country.

An English language test should be made with an official body in the home country unless the applicant can provide other documentation to support her/his ability. The Swedish Embassy/Consulate does not carry out language tests of the applicant, but may be able to recommend appropriate language institutes for conducting tests.

The application shall be submitted to the nearest Swedish Embassy / Consulate.

If there is no Swedish Embassy / Consulate in the applicant's country, the application can be submitted directly to the Program Secretariat.

All applicants will be notified by e-mail or telefax before the end of May 2011. Selected applicants must confirm participation. An invitation letter will be sent out.

## Cost of Participation

The cost of the programme is divided between a participation fee and accommodation cost. The participation fee covers all training costs such as lectures, literature, documentation, study tours and certain social activities as well as accommodation costs. Sida will cover these costs.

International travel costs to and from Sweden are not covered by Sida.

The participant carries costs incurred in travelling to the nearest international airport.

Sida pays international travel costs in connection to the regional seminar.

Personal expenses are not included

For study visits, which are part of the training programme, transport will be arranged. All other local travels are carried out at the participant's own expense.

### Accommodation

Each participant will have a single room with bath and/or shower throughout the programme in Sweden as well as during the regional programme. All participants will be accommodated in the same hotel.

### Visa

Participants are responsible for obtaining all visas necessary for their journey and stay during the training programme. The visa shall be valid for the whole period of the programme and the passport shall be valid for three months longer than the entry visa. Inquires should be directed to respective Swedish Embassy / Consulate alternatively other Schen-

gen representations as soon as possible after acceptance into the programme. Participants visiting other countries on their way to or from Sweden must ensure that correct visas are obtained before leaving home country, especially for countries not included in the Schengen agreement.

The costs for obtaining visas are carried by the participant.

For more information, this website offers Swedish visa information:

<http://www.migrationsverket.se/english.html>

Participants are also responsible for obtaining all visas necessary for their journey and stay during the regional phase of training programme.

Location for regional phase will be decided after selection of participants.

### Insurance

All participants are covered by a group insurance while in Sweden, on organised tours during the programme and during the regional seminar. This insurance includes costs for medical care in the event of acute illness or accident. Medical and dental check-ups are not included.

## Contact information

The address for all communication is:

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See our homepage  
<http://www.edm2011.com> for more detailed information regarding this training programme. Copies of the application form can be downloaded direct from our homepage. The form can also be ordered via our e-mail addresses.

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### Grontmij International AB

[www.grontmij.se/international](http://www.grontmij.se/international)

Grontmij is a part of the Dutch Grontmij Group, with a total of 8000 consultants, which is the fifth largest technical consultancy group in Europe. Grontmij in Sweden employs 850 consultants in 25 offices throughout the country.

Grontmij provides sustainable solutions within the following areas: Energy, Water, Environment, Waste, Building, Transport, IT, Industry, Management and Finance, Safety and Security. We combine multidisciplinary and cross-sector capabilities in order to offer our clients intelligent solutions, with which the challenges of sustainable development can be met.

Grontmij International AB co-ordinates and handles all the international assignments of Grontmij in Sweden.

### ÅF-Industry

[www.afconsult.com](http://www.afconsult.com)

Within the ÅF-Group international projects funded by development aid are administered via ÅF-Industry.

As we see it, the world is full of opportunities. Opportunities to make industrial production more efficient. To create more user-friendly and reliable solutions. To develop new systems and products more quickly. To conserve energy better. To make the world more environmentally sound.

There are opportunities for business, industry, municipalities, government authorities and international development cooperation organisations. Together we are approx. 4000 consultants - each one a specialist in his or her field.

### KTH

[www.kth.se](http://www.kth.se)

The Royal Institute of Technology (Kungliga Tekniska Högskolan), KTH, is responsible for one-third of Sweden's capacity for engineering studies and technical research at post-secondary level. The university has over 12,000 undergraduate students, 1,600 active postgraduate students and a staff of 3,000 people. The division of Electric Power Systems offers education concerning technical and economical analysis of local, regional and transnational electric power systems. The research includes projects on reliability, power system control, electricity market, wind power integration, rural electrification, hydro power operation, High Voltage DC and power system stability analysis.

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