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Wind Power Development and Use




PART 1 WORKSHOP IN AFRICA/ASIA, MAY/JUNE 2009
PART 2 IN SWEDEN, AUGUST 31–SEPTEMBER 23, 2009
PART 3 REGIONAL PHASE IN AFRICA/ASIA, MARCH 2010

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.



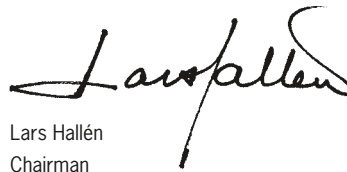
Anders Nordström
Director General
Sida

Swedish knowledge about the use of renewable energy sources such as wind power is based on a 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.

Wind power plays an important role in the Swedish strategy for building a society based on sustainable energy. So far, about 1,000 wind power plants of 55kW and more are in operation in Sweden. But this is only the start. The plans are to produce 30 TWh by 2020 which is more than 30 times the current production. In Sweden wind power plants are constructed and operated not only by the big power utilities but also by private persons, communities and associations, as well as companies and organisations. Besides, Swedish universities and research institutes are active in the development of the wind power sector.

Sida has commissioned LIFE Academy to carry out this advanced training programme on Wind Power Development and Use. The programme will be implemented in cooperation with the Royal Institute of Technology (KTH) and Favonius, a regional public wind power company.

We trust that you will find the training programme of interest and hereby invite you to nominate candidates.



Lars Hallén
Chairman
LIFE Academy

Programme Objectives

The overall objective of the programme is to contribute to capacity building and increased understanding of the importance of wind power and other renewable energy sources among strategic organisations in the participants' home countries.

The programme aims at poverty reduction and sustainable development through increased availability of electricity from renewable sources for poor men, women and children.

The programme shall provide knowledge and introduce relevant

tools and methods for designing, planning and implementing a change project in the energy sector including aspects of gender and public participation.

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

- An understanding of the impact of energy supply on global climate change and its importance for planning and development as well as its impact on the environment, poverty reduction and gender issues
- Knowledge of the role of wind power in the energy supply as a whole, and its advantages and disadvantages from environmental, economic and technical perspectives
- Knowledge and understanding of the entire process of planning, financing, installation, management, maintenance and dismantling of a wind power plant
- Exchange of knowledge and experience between the participants themselves and between the participants and Swedish actors.

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.

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.

A joint project proposal from the participants within the same organisation will be prioritized in the selection process.

The project should be endorsed by the participant's organisation.

Modules

The programme is divided into five interlinked modules:

1. Sustainable Energy Systems

The module covers central issues for the establishment of a smart and sustainable electric system and introduces various renewable energy sources and their environmental impact, costs etc.

2. Wind Power - Basic Knowledge

The module will in detail present methods of central importance in developing wind power plants such as wind measurement, localisation and design, demands on the infrastructure and the electric grid etc.

3. Planning and Decision Making Processes for Establishing Wind Power Plants

The module covers areas as environmental impact analysis, stakeholder participation and other key areas for efficient planning and decision making.

4. Management, Organisation and Economy of Wind Power Plants

The module includes issues as taxes and tariffs, regulations, various organisation models for managing a wind power plant, etc.

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 two-day Scheduled Workshop in the region

Two **regional work shops** will be held, one for participants from Africa and one for participants from Asia/Europe. 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 organisations 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 within renewable energy in general and wind power in particular. Interactive lectures and professional exchange dialogues will be combined with presentations, excursions and study visits.

Phase 3 – Intermediate Consolidation Phase

Back in their organisations, participants will continue anchoring and developing their Change Projects in dialogue with colleagues and other stakeholders. 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 feed back 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 18 months (phase 1–5) out of which 5,5 weeks are scheduled sessions. The two-day workshops in phase 1 will take place in selected countries in Africa and Asia/Europe in **May/June, 2009**.

The training component in Sweden will take place **August 31–September 23, 2009**. The programme will be held in Karlstad and Stockholm with a study tour to Falkenberg.

The regional session will be held in **March 2010** in one of the participating countries.

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 18 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 Favonius, Falkenberg.

Participation

Target regions:

The countries invited with first priority to this programme are:

Botswana, Mocambique, Namibia, South Africa, Tanzania, Uganda, Zambia, China, India, Vietnam, Ukraine and Moldova.

However the programme is also open for other countries with potential for and a wish to develop wind power.

Target Group:

The programme is primarily intended for decision makers, planners, trainers, managers and specialists in a position to initiate and implement changes within the energy sector in their country. Candidates representing government organisations, private companies or NGOs at national 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 in order to ensure a close working relationship between participants and the lecturers.

The outline of the Change Project together with the commitment of the home organisation 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
March 1, 2009**

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 organisation 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 work shop in phase 1 and the regional session in phase 4 **will be covered by Sida.**

International travel costs to and from Sweden in phase 2 and costs for personal expenses **are not included**

Contact information

Address for all communication is:

LIFE Academy

Köpmannagatan 2,
SE-652 26 Karlstad
SWEDEN

Phone: +46 54 18 75 15

Fax: +46 54 18 75 30

e-mail: info@life.se

Homepage: www.life.se

and is the responsibility of the participant or his/her organisation.

Accommodation

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

Visa

Participants are responsible for obtaining all visas necessary during all phases of the programme. The visa should be valid for the whole period of the programme and the passport should be valid for three months longer than the entry visa. 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>

Insurance

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



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



KTH Electrical Engineering

The Royal Institute of Technology (KTH)

in Stockholm is one of the leading technical universities in Europe and provides educational programmes and research in renewable energy including wind power.



Favonius is a regional public wind power company in Falkenberg with extensive knowledge and practical experience from the entire process of designing, installation and management of wind power plants.

Halving poverty by 2015 is one of the greatest challenges of our time, requiring cooperation and sustainability. The partner countries are responsible for their own development. Sida provides resources and develops knowledge and expertise, making the world a richer place.



SWEDISH INTERNATIONAL
DEVELOPMENT COOPERATION AGENCY

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Programme in Wind Power Development and Use (277)
Part 1 in Africa/Asia, May/June 2009.
Part 2 in Sweden, August 31-September 23, 2009.
Part 3 in Africa/Asia, March 2010.

FOR OFFICIAL USE OF THE SWEDISH EMBASSY

Received application by administration:

Sign _____ Date _____

Comment, see attached note

APPLICATION FORM (Typewriting or block letters)

The _____ Country _____
(name of nominating organisation/institution/company)

nominates _____
(name of applicant)

**To the programme Wind Power Development and Use (277) Part 1 in Africa/Asia, May/June 2009.
Part 2 in Sweden, August 31-September 23, 2009. Part 3 in Africa/Asia, March 2010.**

Reasons for nomination _____
(obligatory)

Date _____

Signature of nominating organisation/institution/company _____

(When necessary/applicable)

The Nomination is approved by (name of authorising authority) _____ in accordance with local rules.

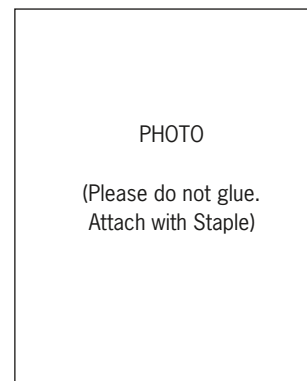
Date _____ Signature of authorising authority _____

The Application should be submitted to the appropriate Swedish Embassy/Consulate at the latest on **March 1, 2009**.
The Embassy/Consulate will forward it to the programme secretariat.

If no appropriate Swedish Embassy/Consulate in the country, please submit application form directly to secretariat at the latest on **March 1, 2009**.

Applicants from the following regions: Balkan region, Caucasus, Central Asia, Moldova, Russia must submit the application form directly to the programme secretariat at the latest **March 1, 2009**.

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Köpmannagatan 2,
SE-652 26 Karlstad, SWEDEN
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Fax: +46 54 18 75 30
e-mail: info@life.se
www.life.se



Applications received after this date will not be considered.

PERSONAL HISTORY

1. First name (underline name by which formally addressed)	Second name	Family name (surname)		
2. Office name and address		3. Telephone (to office). (country code/area code)		
		Fax no.		
		E-mail (obligatory)		
4. Home address		5. Telephone (home) (country code/area code)		
		Mobile phone:		
		E-mail (home):		
6. Nationality		Date of birth	Day	Month
				Year
7. Sex <input type="checkbox"/> Male <input type="checkbox"/> Female				
8. Name and address of person to be notified in case of emergency (incl. country code/area code)				
Telephone:		E-mail:		

9. Education (start with last attended institution and work backwards)			
Name of institution and place of study	Major fields of study	Years of study from – to	Degrees
10. List membership of professional societies or other activities in civil, public or international affairs			
11. List any relevant publication you have written (do not attach)			
12. Previous residence in foreign country in relation to applicant's professional or study interest			
Have you participated in any training programme in Sweden before?			
<input type="checkbox"/> yes <input type="checkbox"/> no Name of programme, year _____			

EMPLOYMENT RECORD

In order that your application may be complete, please give details of your duties and responsibilities for each of the posts you have occupied.

A. Present position

Title of your post	Description of your work, including your personal responsibilities
Years of service: from–to	
Type and level of organisation	
Name of supervisor (if any)	
Name and address of employer	

B. Previous position

Title of your post	Description of your work, including your personal responsibilities
Years of service: from–to	
Type and level of organisation	
Name of supervisor (if any)	
Name and address of employer	

Please state briefly the reason for applying to this programme, your main field of interest within the programme and how you hope to benefit from the programme. (Continue on supplementary page if necessary but no more than one page).

CHANGE PROJECT

Please describe your Change project (or project idea), including title, on no more than two supplementary pages.

Enclosed description 1–2 pages

LANGUAGE REQUIREMENT

English certification does not have to be carried out if any of the following is applicable:

English is my mother tongue or official language of the country.

English is my working language (please enclose statement from management)

Carried out higher academic education (min 6 months) where English was the medium of instruction (please enclose copy of certificate)

CERTIFICATE OF THE ENGLISH LANGUAGE

Not required if any of the conditions at the bottom of page 3 apply

Name of candidate _____	
ABILITY TO UNDERSTAND <input type="checkbox"/> Understands without difficulty when addressed at normal rate <input type="checkbox"/> Understands almost everything, if addressed slowly and carefully <input type="checkbox"/> Requires frequent repetition and/or translation of words and phrases	ABILITY TO SPEAK <input type="checkbox"/> Speaks fluently and accurately and is easily intelligible <input type="checkbox"/> Speaks intelligibly, but is not fluent or altogether accurate <input type="checkbox"/> Speaks haltingly, and is often at a loss for words and phrases
ABILITY TO WRITE <input type="checkbox"/> Writes with ease and accuracy <input type="checkbox"/> Writes slowly and with only a moderate degree of accuracy <input type="checkbox"/> Writes with difficulty and makes frequent mistakes	READING ABILITY AND COMPREHENSION <input type="checkbox"/> Reads fluently, with full comprehension <input type="checkbox"/> Reads slowly, but understands almost everything <input type="checkbox"/> Reads with difficulty, and only with frequent recourse to a dictionary
Language test administered by: _____ Title: _____ Address and Telephone: _____ Date and signature: _____	

MEDICAL STATEMENT

<input type="checkbox"/> I do not have any infectious diseases (for example tuberculosis or trachoma) or any other illnesses which could present risks to persons that I will come in contact with.
<input type="checkbox"/> I do not have any medical conditions which prevent me from carrying out training away from home.
<input type="checkbox"/> I am in good health and enjoying full working capacity.
Comment: _____ _____ _____ _____

Information to all applicants according to the Swedish Personal Data Act:

Upon confirmation that your application have been accepted, the personal information that your have given in this application will be used by the Programme Organiser in administering the Programme, Your personal data will also be available to Sida for internal use. The data will not be used for other purposes. If you want a record of filed personal information you must send a written request to Mr Tomas Törn, ITP, SE-105 25 Stockholm, Sweden or tomas.torn@sida.se

Signature of Applicant

I certify that my statement in answer to the foregoing questions is true, complete and correct to the best of my knowledge and belief.
If selected as a participant I undertake to spend the time during the period of the programme as directed by the programme management.

Date _____ Signature of Applicant _____

If you are selected, you will be notified by fax or e-mail. **Please confirm your acceptance to attend by fax or e-mail.**