

THE MONTHLY SWITCH

A monthly newsletter published by the EEPEX Project of the Industrial Technology Institute – a project funded by the European Union Switch Asia Programme for Sri Lanka

Welcome to the January - February 2010 edition! We hope you find this bulletin a useful source of information.

Vol.2 No.1



Project EEPEX hosts first workshop with Waste Management companies

Project EEPEX hosted a workshop with waste management companies on 18th January at the ITI auditorium. Participants included around 30 waste recyclers, processors, collectors & disposers including major companies such as Holcim, Burns and Abans.

The workshop created awareness about the EEPEX project, identified issues faced by waste management companies and explored the feasibility of establishing a Waste Management Network including a web based system to facilitate waste management activities. The web based system will link information on waste from production companies with services provided by waste management companies. The areas include hazardous waste, industrial waste, solid waste and eWaste.

Vital Facts

The EU SWITCH-Asia funded Project EEPEX aims to encourage Sri Lanka's export sector enterprises and their support service providers across the value chain, to adopt environmentally friendly production practices and technology. The project commenced in March 2009 and will be implemented over a period of 42 months.

The project targets industries such as Ceramic, Rubber, Plastic, Leather, Footwear, Tourism and supporting industries like construction & service stations.

Upcoming Events

Carbon Footprinting - Training of Trainers Conducted by Megaskills Research (UK), to be held ITI, Colombo.

- Workshop 1 from 15 to 17 March 2010
- Workshop 2 from 22 to 24 March 2010

Fraunhofer IFF

Missions by Expert from Fraunhofer Institute (IFF) Germany



January saw the first mission by an expert from Fraunhofer Institute (IFF) Germany. IFF, an EEPEX project partner, will provide expertise to tackle certain issues in Sri Lanka such as holistic energy management, energy recovery approaches and environmental CSR management and technology development and adaptation for alternate energy technologies such as fluidized bed gasification.

Mr. Ralf Opierzinski, Head of IFF ASEAN Office Bangkok, visited Sri Lanka from 10th to 20th January 2010. His mission included progress review meetings with the project team, site visits to factories from the ceramics, coconut and rubber sectors, discussion with waste management companies, inhouse workshops on IFF approaches to tackling energy management issues.

The next mission by IFF will be in April 2010 and will include an expert in energy management and fluidized bed gasification technology.



EEPEX Project

Enhancing Environmental Performance of Export Sectors



EEPEX in Kandy District

Project EEPEX hosted an awareness workshop for industries from Kandy District on 16th February at Royal Mall Hotel. The event was attended by over 40 industries.

The Kandy District CEA office, headed by Mr. T.N. Kiriella provided substantial support to coordinate the event, as part of the ongoing collaboration between EEPEX and the CEA.



EEPEX initiates activities in Sabaragamuwa Province

Project EEPEX hosted awareness workshops for industries from Sabaragamuwa Province. Events were held in Kegalle on 18th February at Sanasa Hotel & Restaurant and 24th February at Samurdhi Reception Hall, Ratnapura. The 2 events were attended by over 90 industries.

The Kegalle CEA office, headed by Mr. Ajith Weerasundara coordinated the 2 events, as part of the ongoing collaboration between EEPEX and the CEA.

IVL Swedish Environmental Research Institute

Missions by Expert from Swedish Environment Institute (IVL) Sweden

February saw the first mission by an expert from the Swedish Environment Institute (IVL) of Sweden. IVL, an EEPEX project partner, will provide expertise in industrial waste management which is a critical issue facing Sri Lanka production companies.

Mrs. Åsa Stenmarck, from IVL Sweden, undertook the mission from 16 to 25 February 2010. Her mission included review meetings with the project team, site visits to companies including rubber and plastics, leather and footwear, ceramics and Hazardous wastes (lead recovery and car battery production). Also visits to 2 treatment plants including the HOLCIM pre-sorting facility and Burns composting facility. In house workshops were also provided to ITI staff.

Follow up activities by IVL will include a detailed waste survey, waste management solutions to companies from each sector, training workshops, and improvement of waste treatment at waste management companies. Ways and means of strengthening and promoting already existing processes such as anaerobic digestion and incineration of wood-waste already in place at some industries and improvement of existing treatment / recycling system in cement kilns, composting plants, and construction of a sanitary landfill, are also being studied. E-waste and how it is being addressed in Sri Lanka will also be another part of the study.

Training and Workshops

February was a busy month with several international training workshops organised by the project.

● Air Quality Modelling

An international training workshop on AERMOD Software for Air Dispersion Modelling was held from 18 to 19 Feb 2010. Participants included 15 participants from ITI, CEA, WEA and BOI. Air dispersion modeling is required for scientific prediction of atmospheric pollutants which will help for

- Permitting of new projects
- Designing of stacks
- Designing of Air Pollution Control equipment
- "Culpability" analysis
- Predicting of air quality
- Selection of air monitoring sites
- Evaluation of the impact of new pollution sources

Dr. Jesse L. The of Lake Environmental, Canada conducted this program. Short-term Training on 3D modeling was provided for four officers at University of Moratuwa.

● Noise Pollution Modelling

An international training workshop on IMMI Software for Noise Pollution Modelling was held from 22 to 26 Feb 2010. 11 participants from ITI, CEA, WEA and BOI were given training by Mr. Karl Busch from Wölfel Meßsysteme Software GmbH + Co KG, Austria. The training provided an in-depth study into the Industrial Module on IMMI. This included road, airport & rail noise mapping techniques. The program also included a session of IMMI 2009 software installation, use of calculator software and on working in a network environment.

Baseline Survey

The baseline survey of industries which commenced in July 2009 is in full progress. The survey is being carried out by a team from ITI and Megaskills. At the time of this bulletin, approximately 400 companies have been surveyed.

The base line survey is designed to bring out information on Pollution Issues; EPL Status; Technology Replication; CP National Commitment; Legal Action pending, and Export Promotion.

The results of the baseline survey will be analysed to identify companies to be shortlisted for the detailed survey. Companies who agree for collaboration will participate in the next phase, to be implemented over the next 2 1/2 years and will involve in a detailed survey, received training and specific technical support to address their priority environmental issues.



2nd Awareness Workshop Kalutara District

Project EEPEX hosted the 2nd awareness workshop for industries from Kalutara District on 15th January at Garden Beach Hotel. The event was attended by over 40 industries.

The Kalutara CEA office, headed by Mrs. Chandrika Hewage provided substantial input to the event, as part of the ongoing collaboration between EEPEX and the CEA.



Detailed survey

The detailed survey for shortlisted ceramics companies is ongoing. At the time of this eBulletin 6 companies have been surveyed.

In addition case studies on selected industries will be carried out to identify how waste from different processes other than the main process is treated at present, and the commercial implication of such treatment.



3rd Awareness Workshop Gampaha District

Project EEPEX hosted the 3rd awareness workshop for industries from Gampaha District on 11th February at Kachcheriya Auditorium. The event was attended by over 30 industries.

The Gampaha CEA office, headed by Mr. Kamal Priyantha provided substantial support to the event, as part of the ongoing collaboration between EEPEX and the CEA.



Over 20 Engineering Graduates to benefit from exposure to project EEPEX

Over 20 graduates from leading universities in Sri Lanka will benefit from project EEPEX through exposure to sustainable production approaches & technologies.

Megaskills Research UK, a project partner, has recruited over 20 engineering graduates from disciplines such as Production Process Engineering and Earth Resources Engineering to engage in project activities such as the baseline survey and for technical support. The graduates will be exposed to international SP approaches, receive specific training and receive hands on experience through their involvement in project activities.

"By the end of the project we would have developed the capabilities of over 25 young engineers. Many of these engineers will join industry, in particular production companies, and will be able to carry forward the sustainable production agenda" said Dr. Channa Gunawardena from Megaskills Research UK.

EEPEX Progress Review & Monitoring Activities

● Project EEPEX hosted its first Monitoring Committee meeting on 11th January 2010 at the ITI main auditorium to review the impact of the project on its target groups. The committee meets at 6 month intervals.

The Committee consists of:

Dr. A.M. Mubarak, CEO, ITI (Chair person), Ms. Harshini Halangoda (EU Delegation), Mr. H.S. Premachandra (Project Director, EEPEX), Dr. Channa Gunawardena (MGS, UK), Mr. Ralf Opierzinski (IFF, Germany), Mr. Srilala Miththapala (CCC), Ms. H.D.D. Madhushree (NCCSL), Dr. R.M.S. Ratnayaka (CEA), Ms. Chithranjalee Dissanayaka (EDB), Mr. Ruchira Virithana (Ministry of Industrial Development), Mr. Ananda Caldera (AMW), Mr. Niranjan Jayawickrama (Lanka Walltiles PLC), Mr. Randeewa Malalasooriya (Holcim Lanka Ltd).

● Project EEPEX held a progress review meeting on 11th January 2010 at the ITI. The meeting was attended by: Dr. A.M. Mubarak (CEO, ITI), Mr. H.S. Premachandra (Project Director, EEPEX), Dr. Channa Gunawardena (MGS, UK), Mr. Ralf Opierzinski (IFF, Germany), Mr. Gerry Suraweera (CCC), Mr. H.N. Gunadasa (Head/ETS, ITI), Mr. A.S. Pannila (Head/ETL, ITI), Mr. Lal Motha (Head/MTS, ITI). Other project staff from ITI and CCC also attended.

Solid Waste Management Site in Sweden



- Landfill 2
- Landfill gas station
- Landfill of asbestos
- Storage of combustible waste
- Sorting of waste
- Diesel station
- Public "collection station"
- Entrance: weighing and controlling of waste
- Anaerobic digestion
- Sorting of packaging waste and newsprint
- Office

(Pic. by courtesy of IVL)

Project Partners



Lead Partner:

The Industrial Technology Institute is a wholly owned institute of the Government of Sri Lanka and functions under the jurisdiction of the Ministry of Science and Technology. It aims to be a regional centre of excellence in Scientific Industrial Research for national development, by conducting innovative R&D and provide internationally competitive technical services to accelerate industrial development for the benefit of the people of Sri Lanka.



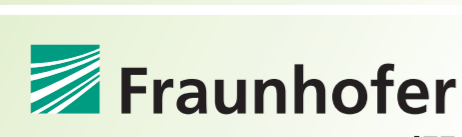
The Ceylon Chamber of Commerce (CCC) is a Confederation of Trade Associations, Regional and Sectoral Chambers of Commerce and Industry, Bilateral Business Councils and Employer Organizations in Sri Lanka which was established 170 years ago. The CCC is considered as the premier Chamber in Sri Lanka and conducts the internationally recognized Tea and Rubber Auctions among their other activities.



Megaskills Research (MGS), United Kingdom is a research & consultancy services group bringing together world-class expertise in socio-economic development, management systems and institutional strengthening. Key sectors of focus include:

- Agriculture & Food
- Environment
- Tourism
- Education
- Governance
- Enterprise development
- (Including Trade & Export)
- Health

Megaskills focus is on building long-term relationships with clients & partners by addressing problems in a sustainable manner. Their expertise is supported by widespread experience gathered from developing situations across both Europe and Asia.



The Fraunhofer Institute for Factory Operation and Automation IFF is partner for clients from small and medium-sized enterprises, industry, research and government. Together with their clients, the Institute develops and optimizes solutions in the fields of logistics, virtual engineering, automation and plant engineering.



IVL Swedish Environmental Research Institute is an independent research body that has been involved in the development of solutions to environmental problems on behalf of the business sector and the community, since 1966. IVL deals with environmental issues from a holistic perspective with the aim of contributing to sustainable growth.



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