



Biodigesters in Developing Countries: Experiences from Asia & Africa

16th-18th April 2012, Prague

WORKSHOP PROGRAM

Lecturers: Felix ter Heegde and Jan Lam, SNV - Netherlands Development Organisation

The objective of the course is to introduce the participants to the (im)possibilities of domestic biogas, the technical, environmental and economical aspects: how to work towards permanent national biodigester sectors.

Monday, April 16

Introduction and Technical Aspects

- 08:00 Arrival and Participants Registration
- 08:30 Welcome
- 08:45 Domestic Biogas – Introduction: Relevance of biogas for Development
- 09:30 Coffee Break
- 09:45 From Waste to Energy: The Bio-Chemical Process, Conditions for Biogas Generation, Biogas Qualities
- 11:45 Lunch Break
- 13:00 Technical Aspects of Biogas: Plant Types / Designs and Design Choice Parameters
- 14:45 Coffee Break
- 15:00 Domestic Applications: Appliances Design Criteria, Comparison with Traditional Energy Sources
- 16:30 Video Presentation on Fixed Dome Construction
- 17:00-17:15 Question and Answer Session Day 1

Tuesday, April 17

Environmental & Economical Aspects

- 08:30 Plant Dimensioning Calculations
- 09:45 Coffee Break
- 10:00 Economic Aspects of Domestic Biogas: Financial and Economic Return Calculations, Subsidy Calculations and Justification
- 12:00 Lunch Break
- 13:00 Biogas and Global Warming: Emission Reduction Calculations, Gold Standard Methodology, Value and Marketing of ERs
- 14.45 Coffee Break
- 15:00 Bio Slurry: Qualities, Application, Results
- 16:00-17:00 Question and Answer Session Day 2

Wednesday, April 18

Large Scale Dissemination, Permanent Sector Development

- 08:30 Large Scale Domestic Biogas Dissemination I
Conditions, Programme set-up, SNV Model, Possible Stakeholders and Partners
- 09:45 Coffee Break
- 10:00 Users' Participation in the Permanent Sector Development – People in Need's experience from Cambodia
- 10:20 Large Scale Domestic Biogas Dissemination II
M&E (User Survey, GPS Systems), Quality Control, D-Bases, Private Sector Development, R&D Topics
- 11:15 Biogas & Commercialisation: Rationale, Framework, Practical Implications
- 12:00 Lunch Break
- 13:00 Who is Out There! Organisations Working with Biogas and Renewable Energy Technologies
- 13:30 Czech Development Agency's approach to supporting renewable projects in developing countries
- 14:15 Research opportunities for European and Cambodian students
- 14:30 Czech University of Life Science's experience with biogas in Vietnam
- 15:00 Coffee Break
- 15:15 Czech Biogas Association: Biogas in the Czech Republic
- 16:15 Recapitulation, Questions and Answers, Evaluation, Group photo
- 17:00 Closing of the course