



# REPIC

Renewable Energy &  
Energy Efficiency  
Promotion in  
International  
Cooperation



Schweizerische Eidgenossenschaft  
Confédération suisse  
Confederazione Svizzera  
Confederaziun svizra

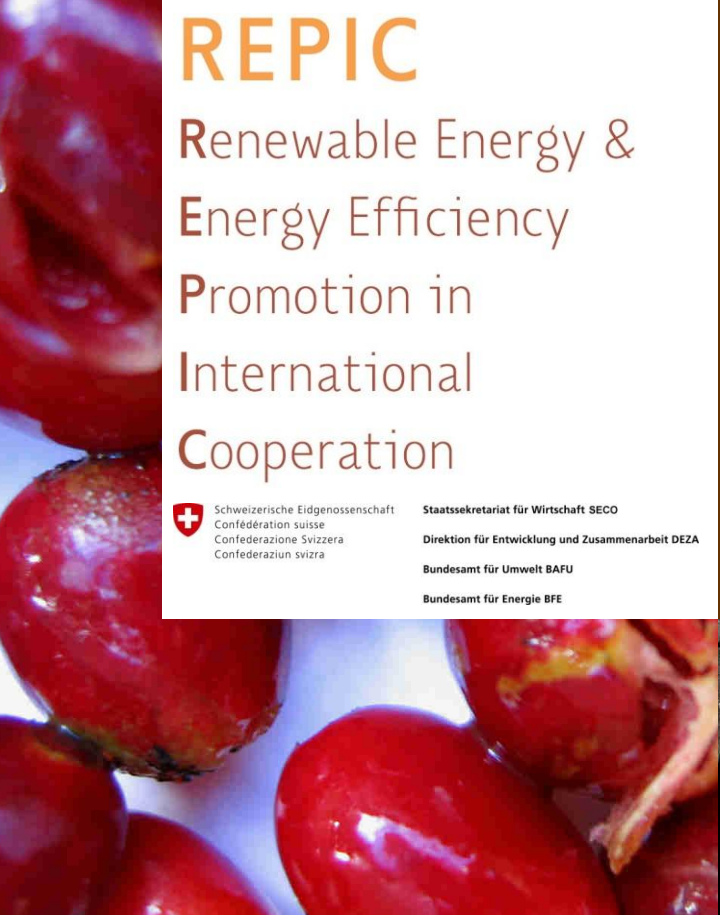
Staatssekretariat für Wirtschaft SECO

Direktion für Entwicklung und Zusammenarbeit DEZA

Bundesamt für Umwelt BAFU


Bundesamt für Energie BFE

## Program & Invitation Conference: Energetic Use of Residues from Coffee Production in Central and South America



# Energetic Use of Residues from Coffee Production in Central and South America, 21st of June 2011, Zurich

## CONFERENCE



In the producing countries, the processing of coffee leads to different biogenic residues (husk, pulp, wastewater). Although these residues have a great potential for various uses, they are actually only partially treated. This is linked to greenhouse gas emissions, pollution of nearby waters, soils as well as odours. In recent years, different experiences of sustainable reuse/recycling solutions could be gained in the producing countries and in Switzerland.

During the conference, existing experiences and solutions will be evaluated and discussed, with a special focus on the energetic use of coffee residues.

Experts from Central and South America will present current practices and projects as well as possible alternatives of the use of residues from coffee processing. These are completed by research results from Swiss institutions. During workshops, the participants will evaluate the different options, identify marketable ideas for projects and create a basis for some further evolution.

The conference provides an interesting and innovative communication platform as well as a breeding ground for possible cooperation and partnerships between partners in Switzerland, Central and South America.

- **Location:**  
Ernst Basler + Partner, Zollikon, Zurich
- **Language:**  
English (with translation into Spanish)
- **Number of participants:**  
btw. 30 and max. 40
- **Participants:**  
Coffee-Producers, Coffee buyers, Certifiers, Companies of Emission Trading, Institutions of Central and South America, Swiss Institutions (universities, industry and international cooperation).
- **Organisation:**  
Ernst Basler + Partner and Swisscontact
- **Financing of the workshop:**  
Interdepartmental Platform for Renewable Energy and Energy Efficiency Promotion in International Cooperation (REPIC). REPIC is supported by SECO, SDC, FOEN and SFOE.

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Universität für Angewandte Wissenschaften  
Hochschule für Technik, Wirtschaft und Design  
HAW

Staatsexamen für Wirtschaftswissenschaften  
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Staatsexamen für Informatik und Wirtschaftsinformatik  
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Staatsexamen für Umweltwissenschaften  
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Staatsexamen für Energie  
HAW

# PROGRAM



08:30 – 08:45

## Welcome, Objectives and Introduction

08:45 – 09:45

Part 1:  
Presentations

### Current use and past experience

- Coffee Production, Production Methods
- Coffee residues, Environmental Issues
- Current energetic and material use of coffee residues, technologies in use
- Experiences, Projects and Trends

- Dr. Nelson Rodriguez, Cenicafé, Columbia: Coffee processing and current use of coffee residues
- Ing. Rolando Chacón Araya, ICAFE, Costa Rica: *Alternatives in the use of coffee residues*

09:45 – 10:45

Part 2:  
Panel Discussion

### Panel Discussion: Interests of different Stakeholders

Producers/Coffee processors, Purchasers, Merchants, Certifiers, CO<sub>2</sub>-Market, International Cooperation

- Interests, Previous experience
- Requirements for producers
- CO<sub>2</sub>-emission reductions & trading
- Project examples / Research programs

- Mark Furniss, Volcafe
- Representative Coffee Purchaser
- Markus Weidner, Institute for Marketecology (IMO)
- Ricardo Scacchetti, First Climate (Switzerland) AG
- Stefan Denzler, SECO

10:45 – 11:15

## Pause

11:15 – 12:15

Part 3:  
Presentations

### Introductory Note: Use Options

- Experiences / Results from research and practical experiences
- Advantages and disadvantages
- Technical, ecological and political challenges
- Feasibility
- Trends & Developments

- Akos Lukacs, Ökozentrum Langenbruck: *Combustion of coffee pulp and husk*
- Stephan Gutzwiller, Kaskad-E: *Charring of coffee pulp*
- Urs Baier, Zürcher Hochschule für Angewandte Wissenschaften: *Fermentation of coffee pulp and waste water*
- Ing. Rolando Chacón Araya, ICAFE: *Bioethanol production / gasification of coffee pulp*
- Dr. Nelson Rodriguez, Cenicafé: *Material use of coffee residues / composting*

12:15 – 12:30

### Closing Part 1-3: Questions

12:30 – 14:00

## Lunch

14:00 – 15:30

Part 4:  
Workshops

### Workshops: Evaluation of utilization options

- Assessment of the proposed utilization options
- Opportunities and Challenges, feasibility and cost-effectiveness
- Trends / Future Developments
- Solutions, Project Ideas

15:30 – 16:30

### Conclusion of the workshop

- Presentation of results of the thematic workshops
- Closing discussion, perspectives and possible next steps

16:30 – 17:30

## Apéro

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 Bundesamt für Umwelt BAFU  
 Bundesamt für Energie BFE

# Energetic Use of Residues from Coffee Production in Central and South America, 21st of June 2011, Zurich



## LOCATION

Ernst Basler + Partner, Zollikerstrasse 65,  
Zollikon, [www.ebp.ch](http://www.ebp.ch)

### How to find us:

Bus 912 or 916 from Bellevue to «Dufourplatz»  
or train S6 or S16 to «Bahnhof Tiefenbrunnen», change there on bus 912 or 916  
to «Dufourplatz»  
(Limited car parking available, for bookings call +41 44 395 11 11)



## INSCRIPTION CONFERENCE

Institution: .....

Last Name: .....

First Name: .....

Function: .....

Address: .....

Postal Code / City: .....

E-mail: .....

Phone: .....

Inscription until **20th May 2011** to:

Ernst Basler + Partner  
[denise.fussen@ebp.ch](mailto:denise.fussen@ebp.ch)

Telefon: 044 395 11 45

Fax: 044 395 12 34

The workshop is free of charge

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Universität Edinburg  
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Efficiency Centres  
Bundesrat für Umwelt BfU  
Bundesrat für Energie BfE