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Deutsches Institut für
Entwicklungspolitik

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Years | 1964–2014

German Development
Institute

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für Internationale
Zusammenarbeit (GIZ) GmbH

Im Auftrag des

BMZ



Bundesministerium für
wirtschaftliche Zusammenarbeit
und Entwicklung

Symposium

Sustainable Energy for Food

Challenges and solutions for sustainable energy use
in the agriculture and food industry

Thursday, 12 June 2014

9:00–17:00 h

Deutsche Welle

Kurt-Schumacher-Straße 3, 53113 Bonn

According to conservative estimates, producing food and getting it to the table accounts for around 30 per cent of energy consumed worldwide. With the demand for food on the increase and energy resources in limited supply, experts in science, business, civil society and development cooperation who work in the energy and/or food sector all face the same challenge: how can we produce more food using as little energy as possible while increasing the share of renewable energy? This GIZ-DIE symposium will show where the various stakeholders currently stand on this issue. It will also examine which energy-smart solutions exist in our agri-food systems and investigate how to accelerate their broad-based roll-out.

In his keynote address, Tilman Altenburg from the German Development Institute / Deutsches Institut für Entwicklungspolitik (DIE) will explain the relevance of this topic and map out the challenges ahead. Brief inputs will look in greater depth at how much and what type of energy agri-food chains require, as well as exploring sustainable energy options for a viable food industry. The morning's event will close with a look at innovative regional energy supply solutions and also showcase actual regional development experiences.

The topic of energy and food is now firmly on the international cooperation agenda. Several donors, including Federal Ministry for Economic Cooperation and Development (BMZ), launched the international initiative *Powering Agriculture: An Energy Grand Challenge for Development (PAEGC)* in June 2012. The afternoon session will focus on the initiative's goals and how it intends to achieve them. It will also be showcased the online wiki platform *Powering Agriculture*, where you can find information, share knowledge and engage in exchanges with your colleagues in this field of specialisation. This will be followed by three parallel working groups that will focus on specific aspects in more depth:

Working group 1: 'Cooperation with the Private Sector'

Working group 2: 'Energy Efficiency – A Potential Gain for Agro Industries'

Working group 3: 'Optimising Agricultural Irrigation from an Energy Perspective'

The symposium will take place in German. Translations into English will be available.

Programme

8:30 – 9:00	Welcome / registration
9:00 – 9:30	<p>Event opened by Dr Stefan Schmitz Federal Ministry for Economic Cooperation and Development (BMZ), Head of special initiative "One World, No Hunger"</p> <p>Keynote: Energy for food Dr Tilman Altenburg, Head of Department "Sustainable Economic and Social Development", German Development Institute / Deutsches Institut für Entwicklungs- politik (DIE)</p>
09:30 – 10:30	<p>Energy needs and solutions for sustainable food security</p> <p>Energy needs in agricultural value chains for improving food security Dr Michael Brüntrup, Researcher, Department "Sustainable Economic and Social Development Department", DIE</p> <p>Energy supply for a sustainable and viable food industry Uwe R. Fritsche, Scientific Director, International Institute for Sustainability Analysis and Strategy (IINAS)</p>
10:30 – 11:00	Break
11:00 – 12:00	<p>Experience of practical implementation</p> <p>Technology management and innovation in regional energy supply Professor Peter Heck, Managing Director, Institute for Applied Material Flow Management (IfaS)</p> <p>Reorganising the energy industry and supporting the food industry – features of re- gional development, taking the LEADER region Sauerland as an example Stefan Pletziger, Regional Manager, 4 mitten im Sauerland (4 in the middle of Sauerland)</p>
12:00 – 12:15	<p>Brief reflection on morning events by organisers</p> <p>Christel Weller-Molongua, Director of Division "Rural Development and Agriculture", Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH Dr Tilman Altenburg, Head of Department "Sustainable Economic and Social Development", DIE</p>
12:15 – 13:15	Lunch
13:15 – 14:30	<p>Powering agriculture – an energy grand challenge for development Context, relevance, approach, project examples Jeremy Foster, Programme Analyst Energy & Environmental Policy, United States Agency for International Development (USAID) <i>Presentation will be held in English</i></p> <p>Network and Powering Agriculture wiki portal Maria Weitz, Project Manager "Powering Agriculture – Sustainable Energy for Food Production", GIZ</p> <p>Introduction to the working groups for the afternoon session</p>

14:15 – 14:30	Participants make their way to the room assigned to their working group
14:45 – 16:30	<p>Working group I: Cooperation with the private sector</p> <p>Cooperation with business associations and companies – the Project Development Programme within the Renewable Energies Export Initiative Tobias Cossen, Advisor for the Project Development Programme, GIZ</p> <p>Energy for agriculture / financing the food industry Klaus Gühr, Competence Centre “Energy, Water and Agriculture”, KfW Development Bank / Kreditanstalt für Wiederaufbau (KfW)</p> <p>Public Private Partnership using the example of the PPP „Energy efficiency in the tea value chain“ Charlie Moosmann, Advisor „Powering Agriculture – Sustainable Energy for Food“, GIZ</p> <p>Followed by a panel discussion and plenary session</p>
14:45 – 16:30	<p>Working group II: Energy efficiency – a potential gain for agro-industries <i>Working group will be held in English</i></p> <p>Energy supply for small and medium-sized enterprises in agro-processing – experiences from Thailand Torsten Fritsche, Project Manager “Cooperation with EU Member States to Further Develop an Enabling Environment for Renewable Energies in Europe”, GIZ</p> <p>Determining factors for incorporating energy-related innovation in small and medium-sized enterprise operations Dr Babette Never, Researcher, Department “Sustainable Economic and Social Development”, DIE</p> <p>Plenary session to develop solutions and ideas for cooperation</p>
14:45 – 16:30	<p>Working group III: Optimising agricultural irrigation from an energy perspective</p> <p>The potential and challenges of solar-powered pumping systems – experience to date Dr Rolf Posorski, Senior Planning Officer, Competence Centre “Energy”, GIZ</p> <p>Solar-powered pumping systems – challenges and solutions for market entry in the case of Egypt Karina Rita Boers, PPP Advisor „Agriculture water productivity for climate change adaptation“, GIZ Egypt</p> <p>Plenary session to develop solutions and ideas for cooperation</p>
16:44 – 17:00	<p>Brief reports of the working groups</p> <p>Closing remarks by Dr Stefan Schmitz BMZ, Head of special initiative "One World, No Hunger"</p>
17:15	Bus departs for dinner at the restaurant Rolandsbogen
Ca. 21:00	Bus departs the restaurant for Bonn (Deutsche Welle, Kurt-Schumacher-Str.3)

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