

# Sustainable Energy For All

## The contribution of Hydro Power to a Sustainable Energy Future 16th of May 2012, Vienna

Federal Ministry of Agriculture, Forestry, Environment and Water Management  
Stubenring 1, A-1012 Vienna  
Gobelinsaal (Saal II), 1st floor

**Hydropower in the global context:** This Workshop is organised in light of the upcoming UN Conference on Sustainable Development (Rio+20) and the “Sustainable Energy For All Initiative” which was recently launched by the UN General Secretary Ban Ki-moon.

The workshop aims at bringing together national stakeholders, international experts and economic actors in the field of Hydro Power. The main purpose is to highlight the contribution of Hydro Power to a sustainable Energy Future with a view on the important role of Hydro Power on climate change mitigation and on improving the electrification in developing countries as well as on the impact on poverty alleviation.

Special attention will be given to best practice examples on implemented projects and to the socio-economic impact of Hydro Power on the regional development.

**The conclusions of the workshop will provide an input to the Rio+20 process!**

### PROGRAM

#### Welcome and Keynote Addresses – Outline of the Workshop

08:30	<b>Registration of Participants</b>
09:00	<b>Welcome and Keynote Addresses</b> <ul style="list-style-type: none"> <li>Mr Niki Berlakovich, Austrian Minister of Environment</li> <li>Mr Wolfgang Waldner, State Secretary, Federal Ministry for European and International Affairs</li> <li>Mr Peter Traupmann, Managing Director of the Austrian Energy Agency (AEA)</li> <li>Mr Karl Wimmer, Head of Department, VERBUND Hydro Power AG</li> </ul>

#### Plenary Session: The contribution of Hydro Power to a Sustainable Energy Future

10:00	<b>Hydro Power in the Global Context</b> Mr Linus Mofor, International Renewable Energy Agency - Innovation and Technology Centre (IITC)
10:15	<b>Hydro Power in Austria - historical development and technical solutions</b> Mr Peter Traupmann, AEA and Mr Peter Bauhofer, TIWAG-Tiroler Wasserkraft AG
10:30	<b>Best practice examples for the positive impact of HPP on the regional development</b> Mr Otto Pirker, Verbund Austrian Hydro Power AG
10:45	<b>“Hydro Power Sustainability Criteria Catalogue”</b> Mr Robert Fenz, Austrian Federal Ministry of Agriculture, Forestry, Environment and Water Management
11:00	<b>Austrian Know-how and technologies – Best practice of implemented projects in Austria and abroad</b> Mr Peter Stettner, Andritz Hydro GmbH
11:15	Questions and Answers
11:30	Coffee Break
	<b>Chairperson: Mr Pradeep Monga, UNIDO</b>

## Panel Discussion I: The contribution of Hydro Power to the electrification process

12:00	<p>Hydro Power is the most important renewable electricity source at global level and contributes to sustainable development. It is an advanced and flexible source of Renewable Energy and can contribute significantly to the electrification of areas without access to Electricity. Nevertheless the environmental impacts have to be well understood, carefully planned for and minimised (especially of large Hydro Power Plants). Hydro Power and other RES can also be used as complementary systems. A country can reduce its dependence on fossil fuels and thus increasing energy security. Hydro Power can also contribute to the regional development, has a strong socio-economic impact and fulfills multiple purposes for example related to the management of water resources (protection against floods, irrigation of crops etc.). It is of utmost importance to extract lessons from international experience and promote a dialogue involving the local communities.</p> <p><b>Key Notes</b></p> <ul style="list-style-type: none"><li>• <b>Ms Aminata Fall</b>, ECOWAS Regional Centre for Renewable Energy and Energy Efficiency (ECREEE) – Hydro Power for Development in West Africa</li><li>• <b>Mr Holzleitner, Bernard Ingenieure</b>, Bhutan – electrification by Hydro Power</li><li>• <b>Mr Benjamin Mategeko</b>, Energy, Water and Sanitation Authority ( EWSA) of Rwanda</li></ul> <p><b>Key Topics for this Panel Discussion</b></p> <ul style="list-style-type: none"><li>• <b>Main challenges of electrification and the contribution of Hydro Power for sustainable solutions;</b></li><li>• <b>Co-benefits of Hydro Power (e.g. fresh water storage, flood protection etc)</b></li><li>• <b>Affordable solutions to achieve access for all</b></li><li>• <b>Community involvement</b></li></ul>
	<p><b>Chairperson: Ms Martina Prechtl, Austrian Small Hydro Power Association</b></p>
13:00	Lunch Break

## Panel Discussion 2: Enabling the environment for successful and sustainable HPP in Developing Countries

14:00	<p>Although the technical and economic feasible potential for Hydro Power is high in several regions, countries do not take full advantage of its exploitation. Multiple barriers need to be addressed, such as technical, financial, ecological, institutional barriers as well as a lack of appropriate policy instruments in place. Hydro Power Plants usually have high up-front costs and low operational and maintenance costs. Therefore there is a strong need for long-term and innovative financial models in order to tackle the high up-front investment requirements. The market diffusion of Hydro Power as well as of other Renewable Energy Sources also depends on the availability and awareness about technical solutions tailored towards the specific conditions.</p> <p><b>Key Notes</b></p> <ul style="list-style-type: none"><li>• <b>Mr Alistair Wray</b>, European Investment Bank</li><li>• <b>Mr Gerhard Wedam</b>, Former CEO of Enerjisa (Turkey)</li><li>• <b>Mr Thomas Thorsch-Krader</b>, Programme Manager, Renewable Energy and Energy Efficiency Partnership (REEEP)</li></ul> <p><b>Key Topics for this Panel Discussion</b></p> <ul style="list-style-type: none"><li>• <b>Non-technical barriers for implementing Hydro Power Plants</b></li><li>• <b>Financing Models</b></li><li>• <b>Framework conditions and Market diffusion of Hydro Power Technologies</b></li></ul>
	<p><b>Chairperson: Mr Rudolf Hüpfl, Global Forum on Sustainable Energy (GFSE)</b></p>
15:30	Coffee Break

## Plenary Session: Conclusions

16:00-16:30	<p><b>Presentation of the Conclusions of the Workshop</b></p> <p><b>Ms Elfriede-Anna More</b>, Austrian Federal Ministry of Agriculture, Forestry, Environment and Water Management</p> <p><b>Mr Anton Mair</b>, Austrian Federal Ministry for European and International Affairs</p>
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