

PRESS RELEASE

3rd International Brainstorming Workshop on "Sustainable Municipal Solid Waste Management in India" Venue: IICT, Hyderabad; Date: 29 – 30th January, 2015

GWC, 05th February , 2015

The WTERT-India together with NEERI (National Environmental Engineering Research Institute) and CSIR (Council of Scientific and Industrial Research), and [Earth Engineering Center \(EEC\) of Columbia University](#) organized a very successful international workshop focus on state of the art technologies for advancing sustainable waste management, entitled "***Sustainable Municipal Solid Waste Management in India***".

The main objective of the workshop was to discuss the current challenges and great potential opportunities to maintain sustainability in municipal solid waste management (MSWM) in all India. It also focus on the technologies for waste treatment based on their impacts on environment and economics. More than 100 international participants had the unique opportunity to review the present status of solid waste management in all India, PPP Framework at various stages in the waste management system, cost effective and environmentally friendly processing and disposal technologies, decentralized treatment options, environmental impact of different technologies and policy measures to advance sustainable waste management.

The mission of **Global WTERT Council (GWC)**, of which WTERT-India is a part, is to identify the best available technologies for the treatment of various waste materials, conduct additional academic research as required, and disseminate the information by means of publications, the WTERT's web pages, and periodic meetings. In particular, WTERT-India will focus on assisting local industry and government agencies in implementing technologies that reduce the public health impacts of improper solid waste management in India and increase the recovery of materials and energy from used solids,

by means of recycling, biogas recovery, waste-to-energy, and, sanitary landfilling with landfill gas utilization.

WTERT-India was founded by a Memorandum of Understanding between **CSIR-National Environmental Engineering Research Institute** (NEERI) working under the umbrella of **Council of Scientific and Industrial Research (CSIR) and EEC of Columbia University**. The main positive conclusion is that India started implementing two state of the art WTE Projects in Japalbur (HITACHI ZOSEN INOVA) and also in Hyderabad (RAMKY and Sanfeng Covanta) , with almost zero (0) gate fee and around 100 USD/MWh for the electricity produced , showing the real great potential for future WTE Projects with an increased gate fee of at least 10-20 USD/Ton.

The workshop was organized for third time in India , aiming at the examination of state-of-the-art technologies for the sustainable waste management, as well as its significance in the production of renewable energy. The workshop focused on new practices in evaluating the environmental benefits and impacts, as well as the economic viability of all sustainable waste management technologies including:

- Recycling
- Waste To Energy
- Mechanical-Biological Treatment
- Anaerobic Digestion
- Sanitary landfilling

The program was followed by a total of one hundred participants with various backgrounds, such as engineers, professionals and executives in the environmental sector, governmental authorities, policy makers, researchers and postgraduate students, etc., from India, Germany, Switzerland, Japan, Greece, Spain, Uganda.

About WTERT Greece (SYNERGIA):

The Waste-to-Energy Research and Technology Council of Greece was established in July 2008 by the Center of Environmental Engineering (Earth Engineering Center) of Columbia University, New York, by members of the Laboratory of Thermodynamics and Transport Phenomena of the School of Chemical Engineering of the National Technical University of Athens (NTUA), and members of the Laboratory of Heat Transfer and Environmental Engineering of the Department of Mechanical Engineering of the Aristotle University of Thessaloniki (AUTH). Other members of SYNERGIA include professors from all universities of Greece, as well as foreign universities. WTERT Greece is now an Academic Partner of the European Confederation of Waste-to-Energy Plants / CEWEP. The main idea of the Council is that a close collaboration between academics, researchers, as well as public and industry stakeholders, will help Greece develop Waste-to-Energy and preserve the Greek land for future generations.

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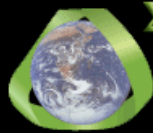
Some indicative photos of the Workshop are following below:



Phot.1. Dr. Efstratios Kalogirou and participants from Uganda and from India



Phot.2. Dr. Efstratios Kalogirou in front of Auditorium at Hyderabad



ΣΥΝΕΡΓΕΙΑ
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Συμβούλιο Ενεργειακής Αξιοποίησης Αποβλήτων
Waste-to-Energy Research and Technology Council

Πρωθώντας την Αειφόρο Διαχείριση Αποβλήτων



Phot.3. Dr. Efstratios Kalogirou and Global WTERT Council



Phot. 4. Mr. Srennivasa Rao of WTERT India, Dr. E. Kalogirou and international participants



Phot.5 Auditorium in Indian Institute of Chemical Technology