

COOPERATIVE EVENT WITH VIENNA UNIVERSITY OF TECHNOLOGY



Waste-to-Energy

September 18 and 19, 2023

INTERNATIONAL EXCHANGE
FUTURE OF WASTE MANAGEMENT
INDUSTRY, OPERATORS AND RESEARCH



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As at: September 14, 2023

Kuppelsaal
September
18

Global Waste Management

PRESENTATION: PROFESSOR DR. FRANZ WINTER

09:00 Conference Opening

Status of Global Waste Management

Dipl.-Geogr. Mark Döing, Geschäftsführer, ecoprogram GmbH, Germany

Market Overview and Perspectives of Waste to Energy in LATAM

Atul Sharma, Business Development Manager, Berkes Business Line - Energy Division, Berkes Hispana, Madrid, Spain

The Role of the ABREN and WtERT-Brazil Association in Advancing Sustainable Waste Management in Brazil

Yuri Schmitke Almeida Belchior Tisi, Executive President of The Brazilian Waste to Energy Association (ABREN), and President of Waste to Energy Research and Technology Council (WtERT) Brazil, Vice-President LATAM of Global (WtERT), USA

10:45 Coffee Break

Country Reports

PRESENTATION: PROFESSOR PH.D. ING. DAGMAR JUCHELKOVÁ

11:30 Italian Municipal Waste Management Report and Waste to Energy Development

Eng. Simone Malvezzi, Head of Waste to Energy group plants, Environmental Branch of A2A Group, A2A Ambiente S.p.A., Brescia, Italy

Waste to Energy Plant and Waste Management in Serbia – on the Way to a Modern Waste Management System –

Dusan Todorovic, PhD Mech. Eng., Associate Professor, Department of Process Engineering, Faculty of Mechanical Engineering, University of Belgrade, Republic of Serbia

Waste-to-Energy Situation and its Co-Funding in the Czech Republic

Jaromir Manhart, Project Manager, Waste Management Department, State Environmental Fund of the Czech Republic, Prague, Czech Republic

13:00 Lunch Break

Circular Economy

PRESENTATION: PROFESSOR DIPL.-ING. DR. TECHN. HELMUT RECHBERGER

14:30 The Balance Method – Determination of the Biogenic Content of Carbon Dioxide Emissions

Professor Dipl.-Ing. Dr. techn. Helmut Rechberger, Institute of Water Quality, Resources and Waste Management, Vienna University of Technology, Austria

Textiles and Apparel: a Newcomer to the Circular Economy

Andreas Bartl, Senior Scientist, Institute of Chemical, Environmental & Bioscience Engineering, Vienna University of Technology, Austria

Nutrientrecycling – Quality Matters! Volume Matters! Reliability Matters! – for Circular Economy

Dr. Christian Kabbe, CEO, Phosphorgewinnung Schkopau GmbH, Germany

Networking



Andreas Bartl



Dipl.-Geogr.
Mark Döing



Dr. Christian
Kabbe



Eng. Simone
Malvezzi



Jaromír Manhart



Professor Dipl.-Ing.
Dr. techn. Helmut
Rechberger



Atul Sharma



Yuri Schmitke



Dusan Todorovic
PhD Mech. Eng.

Kuppelsaal
September
19

Energy and Sector Coupling

PRESENTATION: PATRICK CLERENS

08:30 Setting the Course by the Centre for Ressources and Energy

Franz Gruber, Project Manager ZRE, ZRE GmbH, Germany

One Year of Operating Experience with the New Residue Incineration Plant K9

Andreas Gruber-Waltl, MSc, MSc, MBA, Head of Operation Energy, Energy & Environment, Norske Skog Bruck GesmbH, Austria

Heat Recovery in Flue Gas Treatment for WtE and Biomass: Applications within Europe

Richard Budin, Managing Director, LAB SAS, France

10:00 Coffee Break

Framework Requirements

PRESENTATION: DIPL.-ING. ULRICH MARTIN

10:45 W2X from a Financing Perspective

Dipl.-Ing. Marco Schweer, Executive Director - Renewable Energy & Energy Transition, Hamburg Commercial Bank AG

United Nations (UNECE) Guidelines for Public-Private Partnerships (PPPs) in WtE

Christophe Cord'Homme, President / CEO, WasteTT SAS, France

Opportunities and Challenges for Waste-to-Energy – Legislation, Market, and Technologies

Patrick Clerens, Secretary General, ESWEET - European Suppliers of Waste to Energy Technology, Brussels, Belgium

12:15 Lunch Break

Carbondioxide – Carbon Capture and Storage / Utilisation

PRESENTATION: PROFESSOR DR. FRANZ WINTER

13:45 Radiocarbon Method – Determination of the Biogenic Content of Carbon Dioxide Emissions

Dr. Gesine Lorenz, Hydroisotop GmbH, Schweitenkirche, Germany

Modularized Carbon Capture for Waste-to-Energy and Biomass Power Plants

Johnny Stuen, Director onshore, KANFA/Technip Energies, Norway

CCS/CCU as Amendment to Waste-to-Energy Plants: Quantifying Climate Change Benefits

Professor Dr. agr., PhD Thomas Højlund Christensen, Technical University of Denmark, Kongens Lyngby, Denmark

Carbon Capture and Heat Production from Waste-to-Energy. Is it compatible?

Anthony Jigorel, Deputy Sales Director, LAB SAS, France

15:45 Final Coffee and Cake



Prof. Dr. agr., PhD
Thomas Højlund
Christensen



Patrick Clerens



Christophe
Cord'Homme



Franz Gruber



Andreas
Gruber-Waltl
MSc, MSc, MBA



Anthony Jigorel



Prof. Ing. Dagmar
Juchelková, Ph. D.



Dipl.-Ing. Ulrich
Martin



Dipl.-Ing. Marco
Schweer



Johnny Stuen



Prof. Dipl.-Ing. Dr. techn.
Franz Winter

Scientific Chair

Professor Dipl.-Ing. Dr. techn. Franz Winter

Vienna University of Technology, Institute of Chemical, Environmental & Biological Engineering, Austria

Professor Ing. Dagmar Juchelková, Ph. D.

Technical University of Ostrava (VŠB-TUO), Energy Engineering Department, Czech Republic

Waste Treatment Processes

PRESENTATION: DIPL.-ING. MARKUS GLEIS

08:30 **Techno-Economic Aspects for Design and Arrangement of Multi-Stage Flue Gas Cleaning Systems Downstream of Sewage Sludge Incineration Plants**

Dr. Axel Thielmann, Steinmüller Engineering GmbH, German

Alternative Thermal Waste Treatment Processes – Possible Approaches for Feedstock Recycling

Professor Dr.-Ing. Peter Quicker, Rheinisch-Westfälische Hochschule Aachen, Germany

Chemical Recycling in the Circular Economy

Dr. Julia Vogel, German Environment Agency, Germany

10:00 **Coffee Break**

Closing the Loop

PRESENTATION: ANDREAS BARTL

10:45 **Recycling of Secondary Raw and Energy Resources in the Cement Industry**

FDI Maximilian Enengel, Arbeitsgruppe Prozess-orientierte Abfalltechnik, Montanuniversität Leoben, Austria

Mineral Fraction of Bottom Ash from Municipal Waste Incineration as Cement Binder for the Building Materials Industry

Dr.-Ing. Marco Abis, Head of Research and Development, Heidemann Recycling GmbH, Bremen, Germany

Phosphorus Recovery from Sludge Ash by the Ash2Phos Process

Dr. Yariv Cohen, Head of Research and Development, EasyMining Services Sweden AB, Uppsala, Sweden

12:15 **Lunch Break ... then continued in the plenary session (Kuppelsaal)**



Dr.-Ing. Marco Abis



Dr. Yariv
Cohen



DI Maximilian
Enengel



Dipl.-Ing. Markus
Gleis



Dr.-Ing. Olaf
Holm



Univ.-Prof. Dr.-Ing.
Peter Quicker



Dr. Axel
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Contact

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Registration

The registration entitles the attendee to all congress sessions on September 18 + 19, 2023, refreshments each day, congress app and access to the evening event on September 18, 2023 (limited places).

Rates for Participants	 vivis.de/anmeldeformular/
Standard 890,- EUR	
Reduced 450,- EUR	
Student 150,- EUR	

Please Note: The reduced rate applies to employees of regulatory authorities/universities, participants from new EU-member states (other than the EU-15) as well as from countries that are classified as low or middle income according to the World Bank classification.

Students are defined as those without a permanent employment (at an organisation or a university), those with only marginal employment or a comparable low scholarship. Students have to present a valid certificate of enrollment.

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Organisations that register more than one employee for the conference benefit from our graduated discount model:

- The 1st registered participant pays the regular participation rate (standard or reduced).
- The 2nd registered participant receives a 10% discount.
- The 3rd registered participant receives a 20% discount.
- With the 4th participant all additional participants receive a 30% discount, thenceforth.

Note: This discount cannot be combined with other discounts!

Conditions of Participations and Services

Payment details: Please transfer the registration fees upon receipt of the invoice, but before the start of the congress. Be sure to note the invoice number and the name of the conference attendee on the remittance form. Any unpaid congress fees are due and payable to Thomé-Kozmiensky Verlag GmbH.

In case of prevention: If a registered participant is prevented from attending at short notice, he/she can transfer his/her registration to a substitute.

Cancellation: Cancellation requests must be received in writing (email or post) on or before the cancellation deadline. Cancellations received on or before August 18, 2022 will receive a refund of the paid fees minus an administration fee of 50,- EUR. Cancellations received after the deadline will not be issued a refund. Any unpaid congress fees are due and payable to Thomé-Kozmiensky Verlag GmbH.

Visa Letter: A letter of invitation can be provided upon request for the registered congress participants. Please contact the Organising Committee, if you require an invitation letter.

Participation Certificate: Upon request the Organiser (TK Verlag GmbH) of the event will issue a Certificate of Attendance outlining the number of hours attended for the Congress, which will be sent via email to delegates who attend the IRRC Waste-to-Energy 2023.

If an event has to be cancelled for unforeseeable reasons, the registered participants will be notified. In this case, Thomé-Kozmiensky Verlag GmbH is only obliged to refund the participation fee already paid.

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Arrival

Due to the parking situation (a lot of construction work) in Vienna's city center and at the TU Vienna itself, it is strongly recommended not to arrive by car to the venues.



Our participants can book their trip to Vienna at a fixed price with the ÖBB event ticket. The participants of the IRRC can purchase a travel ticket for a special rate, which allows them to use the public transport in Vienna during their stay. For further information, please visit our website (vivis.de/irc/#anreise).



The University of Technology is very easy to reach by public transport. The stations of the underground U1 and U4 (station Karlsplatz), U2 (station Museumsquartier), U3 (station Volkstheater), are the ones closest to the congress venue. The website www.wienerlinien.at provides further information.



Congress

Vienna University of Technology
Campus Karlsplatz
Main Building
Karlsplatz 13 • 1040 Vienna, Austria

Venues

Dinner

Market Restaurant
Linke Wienzeile 36 • 1040 Vienna, Austria
+43 1 5811250
www.market-restaurant.at



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Accommodation

There are a number of accommodations close to the conference venue. You can book rooms directly at the hotel or by using online hotel portals, like hrs.com, booking.com, etc. But please be aware that these special offers are usually binding and cannot be cancelled anymore.

Just keep in mind, that Vienna is a very popular city and there are a number of other events taking place in that time.

Organize your overnight stay as early as possible.



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Partners



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