

Programme, June 21 – 26, 2015

+ Extension to visit 9 additional plants June 27 - July 1, 2015

ISWA Study Tours WASTE-TO-ENERGY



***Czech
Republic
Hungary
Austria***



Seminar and Technical Tour to 7 Plants in Operation (1st Part: June 21 – June 26)

Vienna ⇒ Wopfing ⇒ Niklasdorf ⇒ Brno ⇒ Budapest ⇒ Dorog ⇒ Vienna

+ Option for additional 9 Plants in Operation (2nd Part: June 27 – July 1, 2015)

Vienna ⇒ Zwentendorf ⇒ Lambach ⇒ Linz ⇒ Lenzing ⇒ Amstetten ⇒ Vienna

INTRODUCTION

Practice Seminar on Sustainable Waste Management in Europe based on Prevention, Recycling, Recovery, Treatment, and Intermediate Storage - without any disposal of untreated wastes exceeding 5 % TOC in landfills

This year (after 5 successful similar Waste-To-Energy Study Tours with more than 100 participants from all 5 continents) comprises a 1st part (June 21 – 26, 2015) focusing on seminars with technical tours to 7 plants in Austria, Czech Republic, and Hungary and a 2nd part (June 27 – July 1, 2015) with special seminars and tours of additional 9 plants in operation. These two parts can also be booked separately (see details on the last page for REGISTRATION).



Led by

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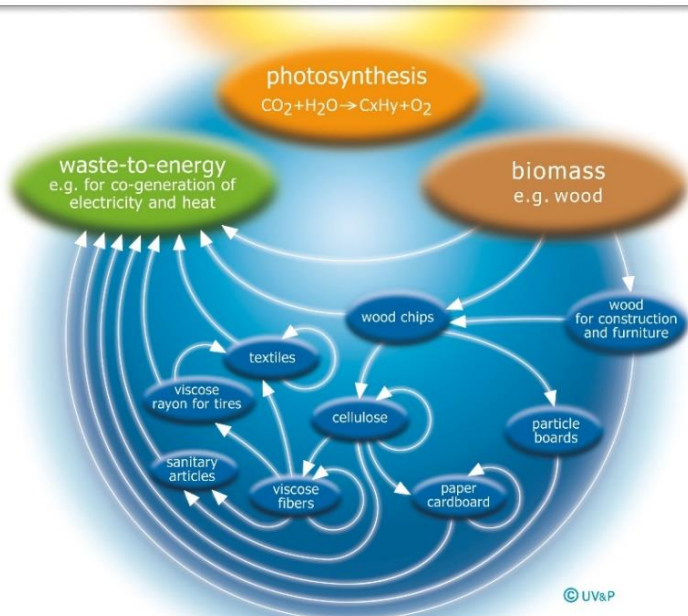
[UV&P Environmental Management and Engineering](#)

Method for the Practice Seminar

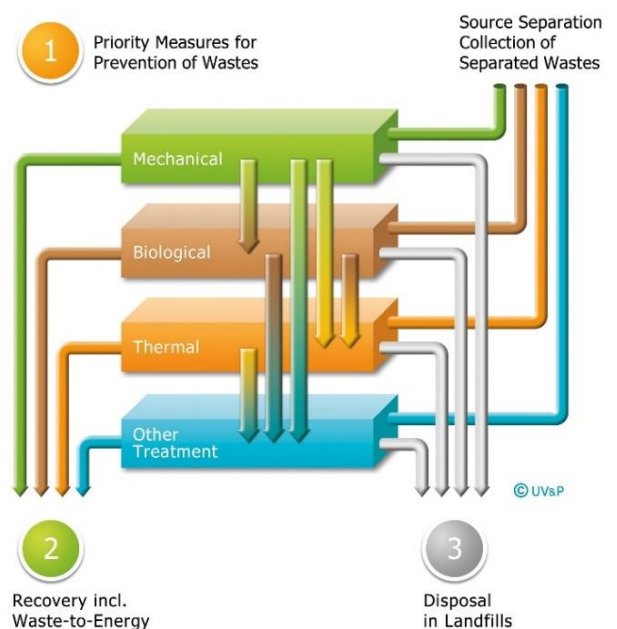
There are 3 pillars of individual benefit and professional learning offered within this unique practice seminar:

- Quality seminar taught by senior experts in waste management, environmental policy and engineering
- Visits to waste treatment facilities representing Best Available Techniques including discussion with operators, government inspectors, and reputable suppliers
- Discussions with political and environmental experts on control and public acceptance of hazardous waste treatment and waste incineration plants (typical "lulu" projects - locally unwanted land use and "NIMBY" – not in my backyard)

Green Technology: Recycling and Recovery for Sustainable Waste Management



Future-oriented Integrated Systems for Sustainable Waste Management



SUNDAY, June 21, 2015

7.00 pm – 9.00 pm

Welcome by the Seminar Team at [25hours Hotel](#) in Vienna



MONDAY, June 22, 2015

8.00 am – 10.00 am

Welcome Address by ISWA, Introduction of participants, introduction to „Sustainable Waste Management, Recycling and Recovery of Energy from Waste“
by Dipl.-Ing. Rainer Kronberger, President of ISWA Austria

10.00 am – 10.30 am

Refreshments

10.30 am- 12.00 pm

Seminar on “Development of Waste Management and Integrated Pollution Prevention and Control” Policy and legal framework in Austria and EU, legal ban on hazardous and untreated wastes exceeding 5 % TOC from disposal in landfills, landfill tax; development of the most stringent emission standards worldwide, status quo of waste management in different regions and countries of the EU, trans-boundary shipment of wastes

12.00 pm – 1.30 pm

Lunch

1.30 pm – 2.00 pm

Transfer to Spittelau

2.00 pm – 3.30 pm

Overview and Site Tour of the Municipal Waste Incineration Plant Spittelau including Co-generation of Electricity and District Heating / Cooling in Vienna



3.30 pm – 4.00 pm

Transfer to Hotel

4.00 pm – 4.30 pm

Refreshments

4.30 pm – 6.30 pm

Seminar on "Systems for Waste Treatment and Energy Recovery" Fundamentals of drying, pyrolysis, gasification and combustion, characterization of wastes as fuel, sorting and pre-treatment of wastes, grate, fluidized bed systems, rotary kilns with afterburning chamber, experience and limitations for specific wastes in various systems; odor control and control of atmospheric emissions – auxiliary chemicals – treatment of liquid and solid residues

7.00 pm – 8.00 pm

Dinner



TUESDAY, June 23, 2015

8.00 am – 9.30 am

Seminar on "Resource and Energy Efficiency in Sustainable Waste Management, The 20-20-20 goals of the EU for 2020 and goals for 2030" including co-incineration of waste-derived fuels in industrial production processes (e.g. cement kilns) and recovery of materials.

9.30 am – 10.00 am

Refreshments

10.00 am – 11.00 am

Bus transfer to Wopfing

11.00 am – 12.30 pm

Overview and Site Tour of the Cement Clinker Plant Wopfinger including utilization of waste derived fuels and raw materials with Best Available Techniques for emission control

12.30 pm – 1.00 pm

Lunch buffet

1.00 pm – 2.30 pm

Bus transfer to Niklasdorf

2.30 pm – 4.00 pm

Introduction to FBC-Systems and Site Tour of the Waste-to-Energy Plant ENAGES integrated with the paper industry Brigl & Bergmeister by Eng. Christian Pusterhofer

4.00 pm – 6.00 pm

Bus transfer to Vienna

6.00 pm – 8.00 pm

Dinner at a traditional "Biergarten" (non-alcoholic beverages and vegetarian options available)



WEDNESDAY, June 24, 2015

8.00 am – 10.00 am

Bus transfer to Brno, Czech Republic

10.00 am – 11.30 am

Overview of Municipal Waste Management and the Waste-to-Energy Plant Brno

11.30 am – 12.00 am

Lunch buffet

12.00 am – 1.00 pm

Site Tour of the Waste Treatment Facilities

1.00 pm – 1.30 pm

Refreshments

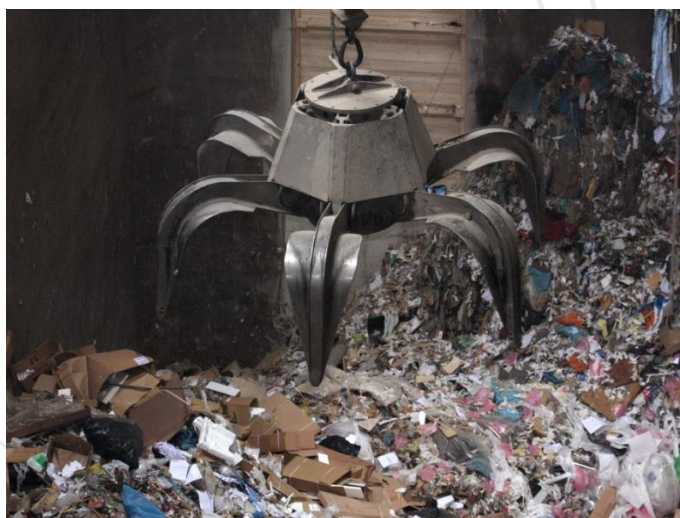
1.30 pm – 3.00 pm

Seminar on "Socially Acceptable Costs for Municipal Waste Management Services"

by Dipl.-Ing. Vojtěch Doležal

3.00 pm – 8.00 pm

Bus transfer to Esztergom including Dinner at a Restaurant in the heart of the city



THURSDAY, June 25, 2015

8.00 am – 9.30 am

Seminar on “Project Development of Waste-to-Energy in Various Regions”

Analyses of status quo, discussion of “Zero Waste” and “Circular Economy”, technical and economic criteria, legal framework, monitoring and enforcement, intermediate storage of waste, public information, discussion of failures and typical mistakes, opportunities in developing countries with low and middle income economies

9.30 am – 10.00 am

Refreshments

10.00 am - 12.00 am

Bus transfer to Budapest

12.00 am – 1.00 pm

Lunch

1.00 pm – 3.00 pm

Overview and Site Tour of the Municipal Waste-to-Energy Plant Budapest

3.00 pm – 3.30 pm

Refreshments

3.30 pm – 5.00 pm

Seminar on “Introduction to Development of Sustainable Waste Management and Waste-to-Energy in Hungary” by Dr. Krisztina Wégner (OHÜ – National Waste Management Agency, Budapest), and by DI Tibor Nemcsek (NHSZ – National Waste Management Company)

5.00 pm – 6.30 pm

Welcome address and reception in Budapest by the Representative of ISWA Hungary

6.30 pm – 8.00 pm

Bus transfer to Esztergom



FRIDAY, June 26, 2015

8.00 am – 8.30 am

Bus transfer to Dorog

8.30 am – 10.00 pm

Overview and Site Tour of the Rotary Kiln for Hazardous Waste Incineration at Dorog including pre-treatment and intermediate storage of hazardous wastes, odor control, flue-gas cleaning, treatment and disposal of residues

10.00 pm – 3.00 pm

Refreshments

12.30 pm – 3.00 pm

Bus transfer to Lobau / Vienna including Lunch at a Restaurant at the Danube River (with the option to exit at the Airport Terminal in Vienna at approx. 2:45 pm)

3.00 pm – 4.00 pm

Visit of Composting Plant LOBAU - largest Green-Waste Composting Plant in EU

4.00 pm - 5.00 pm

Bus transfer back to Vienna (including the option to arrive at the Airport Terminal in Vienna at approx. 5:30 pm)



SATURDAY, June 27, 2015

08.00 am – 09.00 am

Welcome Reception for new Participants (last day of Part 1⁺ and first day of Part 2) by ISWA and the Seminar Team at [25hours Hotel](#) in Vienna

09.00 am – 10.30 am

Seminar on "Prevention, Detection and Control of Fire Hazards in Treatment Facilities and Storage of Waste" by Dr. Hannes Kern (Mining University Leoben)

10.30 am - 11.0 am

Refreshments

11.00 am – 11.30 am

Bus Transfer to Rautenweg

11.30 am – 1.30 pm

Overview and Site Tour of the Municipal Landfill Site of Vienna including a typical Municipal Waste Collection Center and Landfill-gas Recovery and Utilization in Gas Motors from the old landfill section



1.30 pm – 3.00 pm

Bus Transfer and Lunch in a traditional garden restaurant in Vienna



MONDAY, June 29, 2015

08.00 am – 09.30 am

Seminar on “Project Design and Economic Analyses for new Waste-to-Energy projects”

Including the relevance of an effective legal framework and its enforcement, taxes and economic incentives, public education, discussion on the influence of culture in environmental protection

09.30 am – 10.30 am

Bus transfer to Zwentendorf

10.30 am - 12.30 am

Overview and Site Tour of the EVN Waste-to-Energy Plant and Transport Logistics in Zwentendorf

Design of the largest waste-to-energy plant for municipal waste in Austria, energy efficiency in combination with the neighboring coal-fired power plant, flue-gas cleaning, treatment of liquid and solid residues, auxiliary chemicals, transport logistic-based on railway, operational experience with seasonally low-calorific waste composition in the EVN plant in Moscow

12.30 am – 1.30 pm

*Lunch at a nearby Scenic Restaurant “Bärenhütte” next to the famous Austrian **Nuclear Power Plant Zwentendorf** (never permitted to operate)*

1.30 pm – 4.00 pm

Bus transfer to Edt / Lambach

4.00 pm – 5.00 pm

Site Tour of the Mechanical Processing Plants for various Scrap Wastes for Recovery of Metals in Edt / Lambach

5.00 pm – 6.00 pm

Bus transfer to Seminarhotel Aichinger in Nussdorf at Lake Attersee, Upper Austria

7.00 pm – 8.00 pm

Dinner



TUESDAY, June 30, 2015

08.00 am – 09.30 am

Seminar on "Examples for Project Development, Potential Conflicts and Public Acceptance of new Waste-to-Energy Facilities"

Examples for alternatives in waste management including "Status-quo" and "Zero Waste", selection of appropriate sites, public information, option for a control panel with local representatives and critical citizens, management of public hearings, role of media and politics, discussion of examples for acceptance of large Waste-to-Energy facilities by Green activists.

09.30 am - 10.30 am

Bus transfer to Linz (incl. Refreshments)

10.30 am – 12.30 pm

Overview and Site Tour of the Waste-to-Energy Plant RHKW integrated to the Central District Heating Power Plant in Linz

Municipal waste management, treatment of residual municipal wastes and residues from sewage treatment

LINZ AG
S T R O M

12.30 pm – 2.30 pm

Bus transfer to Lenzing including intermediate stop for Lunch

2.30 pm – 4.30 pm

Overview and Site Tour of the CFB Waste-to-Energy Plant integrated at the industrial site

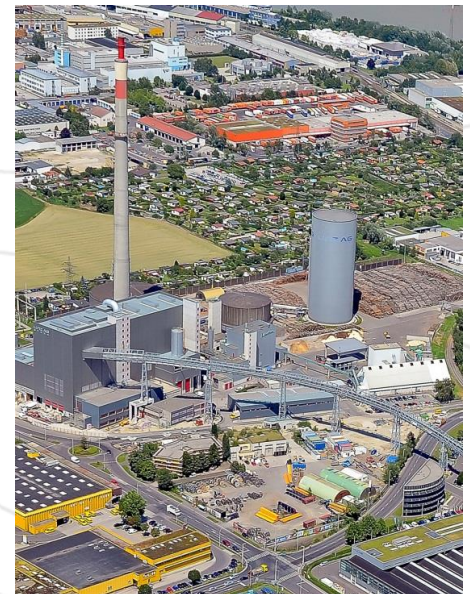
Lenzing – experience in 16 years of operation of the first CFB for waste combustion and most stringent emission standards worldwide and maximum energy efficiency

4.30 pm – 5.00 pm

Bus transfer to Gmunden with the options to visit the famous Gmundner Keramik manufacturer or to enjoy the promenade at Lake Traunsee or to return directly to the Hotel at Lake Attersee

7.00 pm – 8.00 pm

Dinner



WEDNESDAY, July 1, 2015

08.00 am – 10.00 am

Bus transfer to Kematen / Ybbs, Lower Austria

10.00 am – 11.00 am

Plant Tour of the Metal Sorting and Recovery Plant METRAN

11.00 am - 11.30 am

Refreshments

11.30 am – 1.30 pm

Bus transfer to Simmering in Vienna

1.30 pm – 2.00 pm

Lunch buffet

2.00 pm – 3.00 pm

Seminar on “Overview of the Municipal Solid Waste Treatment Plants in Vienna”

by Dipl.-Ing. Rainer Kronberger

3.00 pm – 5.00 pm

Site Tours of the Waste Treatment Facilities at the Location Pfaffenau, Vienna, including the Municipal Waste Incineration Plant, the Waste Logistic Center and the Biogas Plant

5.00 pm – 6.00 pm

Bus transfer back to Vienna (including the option to arrive at the Airport Terminal in Vienna at approx. 5:30 pm)



REGISTRATION

The deadline for registration is June 15, 2015. Please register with Ms. Julia Schönherr by using the Registration Form (see attachment). Registration will only be accepted in written form (E-Mail or Fax) and will be acknowledged by E-Mail within 7 days after submission.

Individual Duration of the Study Tour	Early Bird Registration Fee (Registration and Payment latest by March 31, 2015)*		Regular Registration Fee (Registration or Payment after March 31, 2015)*	
	ISWA Member	Non-Member	ISWA Member	Non-Member
Part 1 (June 21 – 26)	€ 2,450	€ 2,950	€ 2,750	€ 3,250
Part 1+ (June 21 – 27)	€ 2,850	€ 3,350	€ 3,150	€ 3,650
Part 2 (June 26 – July 1)	€ 2,150	€ 2,650	€ 2,450	€ 2,950
Part 1 + 2 (June 21 – July 1)	€ 4,150	€ 4,650	€ 4,450	€ 4,950

A total of 5 Participants from 5 different low- and lower-middle-income economies (according to the current [World Bank list](#)) receive a 50% discount on the registration fee. Further, a total of 5 Participants from 5 different upper-middle-income economies (according to the current [World Bank list](#)) receive a 20% discount on the registration fee. A total of 3 young professionals in engineering or waste management under the age of 30 are eligible for a 50% discount. The discounts are awarded on a first-come-first-serve basis.

We encourage you to become an ISWA Member. For information please visit www.iswa.org.

All stated amounts are free of VAT. Registration fee includes accommodation with breakfast during the duration of the Study Tour (as given in the table above), handouts, refreshments, lunch and dinner, transportation and visits to the waste treatment plants. In order to be well rested for the intensive Study Tour we recommend earlier arrival of 1 (or 2) days (not included in the above fees). Upon registration seminar participants accept all accommodation arrangements organised by ISWA.

The conference programme may be subject to change. The number of participants will be limited to a maximum of 25 persons due to the nature of the programme.

Cancellation

Any cancellation of registration must be submitted in writing to ISWA, Ms. Julia Schönherr:

- E-Mail to iswa@iswa.org or
- by Fax to +43 1 253 6001 99

Cancellation and refund will be subject to the following conditions:

- Cancellation **before June 1, 2015** 50% Refund
- Cancellation **between June 2 and June 20, 2015** 10% Refund
- Cancellation **on June 21, 2015 or "no show"** no refund

Registration may be transferred to a nominated representative.

In case of cancellation of the event due to unforeseeable events, ISWA will refund the registration fee but no other costs incurred prior to cancellation of the Study Tour.

Certificate of Participation

Participants will receive a Certificate of Participation in the ISWA Study Tour and Practice Seminar "Waste-to-Energy".

For technical information see "[White Book Waste-to-Energy in Austria](#)"

For organisational matters please contact Ms. Julia Schönherr

ISWA – International Solid Waste Association, www.iswa.org

E-Mail: iswa@iswa.org; Phone: +43 1 253 6001-11

1080 Vienna, Auerspergstrasse 15/41, Austria



REGISTRATION FORM

This year's Waste-to-Energy Study Tour consists of 2 parts which may either be booked all in one or separately. The first part, 21 - 26 June is more theory based combining different expert led seminars with excursions to 7 waste treatment plants in Austria, Czech Republic and Hungary. The second part is more practically orientated as 9 additional plants in operation will be visited.

Participants may choose to join this year's extensive Waste-to-Energy Study Tour from June 21- July 1 or book either the first part June 21 - 26 with the option of extending the tour until June 27 or the second part June 27- July 1 individually.

Please register with Julia Schönherr

- by Fax **+43 1 253 600 199** or
- by E-Mail: iswa@iswa.org

I hereby register for the following event:

Part 1 (June 21 – 26)

Part 1+ (June 21 – 27)

Part 2 (June 26 – July 1)

Part 1 + 2 (June 21 – July 1)

Title, First- and Last Name

Company Name / Organisation

Address (Street/ Number)

Address (ZIP Code, City, Country)

Telephone / Fax:

E-Mail:

ISWA Member Number:

Date:

Signature: