



Status: 24/04/18

Austria, 10 to 14 September 2018

ISWA

Study Tour & Practitioner Training Course

Framework and practice of successful Bio-Waste Recycling

- Separate collection schemes for food waste and garden & park waste
- Techniques in composting – vermi-composting – compost teas – anaerobic digestion – bio-methane fuel production – Mechanical- Biological Treatment (MBT) of residual waste
- Quality compost production and QM, automated documentation, monitoring & reporting
- Compost and digestate markets und use
- Key elements of necessary strategic & regulatory framework setting
- Public relations and stakeholder involvement
- The economics of in source separation and biological treatment
- Successful cooperation with farmers in composting and biogas production
- Cultural program: Concert at Schönbrunn castle

Austria's 30 years experience

In cooperation with:



draft

PROGRAM OUTLINE

Tour language: ENGLISH

Sunday, 09 Sep Arrival in Vienna

18:00	Reception- and Welcome in Hotel
--------------	--

Day 1 – Monday 10/09/2018

08:30-09:00	Registration in Hotel
Morning	<p>Welcome by ISWA/ISWA Austria - Tour de Table - Introduction</p> <p>Bio-waste management world wide, and in in Austria – quantities, strategic & legal background, current development, (Marco Ricci, ISWA WG on Biological Waste Treatment /Florian Amlinger, 100NGO, European Compost Network</p>
Afternoon	<p>Biowaste management of the City of Vienna – separate collection splitting of garden waste and kitchen waste; current projects; economic instruments, costs and waste charge system (Wojciech Rogalski, City of Vienna - MA48); https://www.wien.gv.at/umwelt/ma48/beratung/muelltrennung/biogener-abfall/wiener-biokreislauf.html</p> <p>Vienna biogas plant for commercial food waste and former foodstuff</p> <p>Visit of the Vienna composting plant for bio-waste and garden waste Lobau</p>
	Dinner & Hotel in Vienna



Day 2 – Tuesday 11/09/2018

Morning	<p>EVM Energieversorgung Margarethen am Moos GmbH – liquid fermentation of agricultural by-products and slurry; bio-methane gas station; (Lukas Wannasek ,manager) https://evm-bioenergie.jimdo.com/english/</p> <p>General conditions for successful AD in bio-waste recycling: capacities, green electricity law, feed in tariffs general economics etc. (Alex Luidolt, KBVÖ/Compost & Biogas Association Austria) http://www.kompost-biogas.info/</p>
Afternoon I	<p>Lectures:</p> <ul style="list-style-type: none"> Integrated waste management planning for recycling – Why source separation makes sense – which facility serves which purpose including residual waste processing (W. Hauer, tbh Hauer) KBVÖ: Alliance for the Austrian Bio-Cycle-Bag; Corporate Campaign for better collection “No plastic into the bio-bin” ...
18:30	Dinner & Concert in Vienna



Day 3 – Wednesday 12/09/2018

Morning	<p>MBT St. Pölten – The role and technique of Mechanical-Biological Treatment of residual Household waste</p>
Afternoon I	<p>OPEN FORUM: B2B talk</p> <p>Inter-communal Waste Management Association; “(Bio)-waste management organisation (Sta. Pölten Land) in cooperation with 5 farmers: Logistics, contracting, economics.</p> <p>N.N. Key elements in campaigning, PR, Stakeholder involvement</p>
Afternoon II	<p>Vermigrand Alfred Grand Vermicomposting and research farm: https://www.vermigrand.com/en/</p>



Day 4 – Thursday 13/09/2018

Morning	Innovative Composting techniques with forced aeration with and without bio-filter systems: Seiringer Environmental Service and composting plant & Compost Systems Ltd. http://www.seiringer.at/ ; http://www.compost-systems.com/en/
Afternoon	Huemer Compost: Quality Management for high end Compost products, compost tea innovation, electronic quality management and documentation system, in house quality control and laboratory tests, International Compost & Humus projects, http://huemerkompost.at/ Lecture by Urs Hildebrandt – United Research for Soil http://www.landmanagement.net/?page_id=23/lang-pref/en/ http://www.bionika.ch/



Day5 – Friday 14/09/2018

Morning	Waste Management Association Rohrbach & the On-Farm composting scheme in Upper Austria http://www.umweltprofis.at/bezirksabfallverband/rohrbach/willkommen.html http://www.umweltprofis.at/en/home.html The Farmer as full service partner in bio waste management providing <u>separate collection and composting service</u> ; The farmer has been awarded with the COMPOSKAR 2017 for best quality compost and offers different compost products https://www.hofer-natur.at/
Afternoon	Drive back to Vienna
Evening	Wrap-up ... Q&A Session & Farewell Dinner in Vienna



Method for the Seminars




This unique series of best practice seminars offers five distinct elements for individual benefit and professional learning:

1. Seminars taught by senior experts of **100NGO** (www.eu100ngo.net), facility operators and municipal waste managers and invited international experts
2. Visits to facilities demonstrating state-of-the-art bio-waste collection and recycling
3. B2B first hand forums and exchange considering the various background of the participants
4. Time for discussion and exchange of professional experiences.
5. Explanation of general conditions and how to find solutions suiting the individual framework conditions:
 - from an economic point of view
 - from a technical point of view
 - from an organizational point of view

The technical site visits will provide an opportunity to see diverse biological treatment facilities for organic waste. And to meet also technology suppliers as well as international consultants and advisers. You will experience high level professional composting techniques and quality management from large (100.000 t) in cities to small scale (2000 t) in rural environments

Bio-waste experts will guide the participants during the whole training course. Additional guests, highly experienced scientific, policy and operational experts, look forward to lively discussions and exchange of ideas for implementing and improving bio-waste separate collection and recycling techniques including composting, anaerobic digestion and bio-methane production.

... and this is your accompanying team:

	<p>Florian Amlinger is agronomist and director of Compost – Consulting & Development (Austria) and co-founder of '100NGO'.</p> <p>He has been involved in research and development projects in the area of separate collection and composting of organic waste as well as compost application since 1986. He participated in applied research projects involving the process optimisation of organic waste composting, the quality definition und best practice of compost application as well as greenhouse gas emissions from composting. He was main consultant in preparing the Austrian Compost Ordinance and is author of the Austrian BAT document for composting. He held numerous workshops, and lectures in sustainable bio-waste management, compost production and use in Europe and overseas.</p>
	<p>Alex Luidolt, CEO of planergy GmbH, http://www.planergy.at/ and CEO of Kompost & Biogas Verband Steiermark, http://www.kompost-biogas.info/</p> <p>He starts planning and building biogas plants in 2003. Since 2009 he has his own engineering office, the planergy GmbH. Since then, he plans biogas- and compost plants and is specialist in explosion protection and approval planning for business and industry. He is experienced in waste management, energy solutions and technical dimensioning and design for different plants and processes. He also was involved at the work for the state of technology for biogas plants and the ÖWAV RB 515 „Anaerobic waste management“.</p>
	<p>Walter Hauer is CEO of Technisches Büro HAUER Umweltwirtschaft GmbH. http://www.tbhauer.at/</p> <p>He is independent consultant for waste management, resource efficiency, sustainable development and environmental economics since 1992. He is holding degrees in economics and mechanical engineering and is experienced in developing and improving waste management and resource management in different regions – technically, economically, organisational (Central Europe, South-East Europe, Iraq). He is experienced in leading developing process with participation of different stakeholders and the public. Author of innumerable number of studies for public and private organisations, Mediator, State Certified Expert, Member of Scientific committee of international congress, speaker at inter-national congresses</p>



Registration

The deadline of registration is 31 August 2018

[Register Online Here](#)

The registration fee includes 20% of VAT, it includes accommodation (5 nights), lunch, dinner, refreshments transportation and lectures on all days.

Registration may be transferred to a nominated representative.

Upon registration, participants accept all accommodation arrangements organised by ISWA.

The Study Tour programme may be subject to change.

Maximum 22 and minimum 12 participants due to the nature of the programme. ISWA has the right to cancel the Study Tour if the minimum number of participants is not achieved.

Registration fee (including 20% VAT) *

Non Members	ISWA / 100NGO / ECN Member
€ 2 640,-	€ 2 112,-

*3 participants from 3 different low to lower-middle income countries according to the current [World Bank list](#) as well as 3 students may receive 50% discount on the registration fee. The discount is awarded on a first-come-first-serve basis, please request by email: gnitzsche@iswa.org.

Hotel

At the beginning and end of the Study Tour, participants will be accommodated at the [Flemings Hotel](#) in Vienna. After successful registration you will be booked by us from Sunday, 9 September. Please consult with the hotel directly in case you would like to book additional nights before and/or after the tour.

Cancellation

Any cancellation of registration must be submitted in writing to by E-Mail: gnitzsche@iswa.org. In case of cancellation of the Study Tour due to unforeseeable events, ISWA will refund the registration fee but not other costs incurred prior to cancellation.

Cancellation and refund will be subject to the following conditions:

Before 24 August	50% will be refunded
Between 24 August and 8 September	10% will be refunded
From 9 September and no show	no refund

Handouts & Certificate

Participants will receive a complete hand-out with all presentations and data sheets of the visited installations together with a certificate of participation.

Optional City Walk in Vienna on 15 September

Please indicate in the registration form if you are interested in a 1.5 to 2 hrs sightseeing City Walk in the historic centre of Vienna on Saturday 15 September morning. Approximate price: 16.- EUR/person