

ISWA Study Tour on Biowaste Collection and Recycling 2019



Milan-Verona-Venice-Milan, Italy
29 September – 3 October 2019





ISWA Study Tour

The International Solid Waste Association (ISWA) is a global, independent and non-profit association, working in the public interest to promote and develop sustainable and professional waste management worldwide.

This four-day Study Tour will give municipal solid waste managers and decision-makers an overview of current best-practices in separate collection and recycling of organic waste in record setting Northern Italian cities: Milan and Verona.

You will learn from accompanied technical site visits and workshops by senior international experts from leading organisations such as [ISWA](#), [CIC](#), [ECN](#) and [Ecomondo](#).

The focus of **both technical site facilities and workshops** is the efficient operational solutions, effective instruments and tools supplied to households to enhance collection and the potential role of compostable bioplastics for the recycling of household biowaste.

Circular economy for organic waste needs recycling facilities and the ISWA Study Tour covers composting to biomethane -

production both in medium and jumbo scale; plus new techniques such as recovery of CO₂ and excess heat will be explored.

Topics include:

- Circular Economy for the biowaste sector in Europe
- Separate biowaste collections in different metropolitan areas and in smaller settlements
- The **role of compostable plastics**
- Best practices and treatment facilities for the treatment of organic waste collected in cities
- **Composting, anaerobic digestion and biorefineries** (Innovative aerobic biological treatment)
- Upgrading techniques from biogas to biomethane (i.e. green natural gas)
- CO₂ recycling at biogas facilities: technologies and opportunities
- MBT treatment of mixed MSW
- **Compost and soil:** climate impacts



ISWA Study Tour



The Study Tour is organised and led by **Marco Ricci – Jürgensen**

Managing Director of Altereko sas,
Consultancy on Recycling and Waste
Management / Senior Expert at CIC and
Chair of the ISWA Working Group on
Biological Treatment of Waste

Our Implementation Partners include:

The Italian Composting and Biogas Association (CIC) unites public and private compost producers, local authorities, machinery and equipment suppliers, growing media producers, research bodies, and more. For more than 25 years CIC's mission is to promote the recycling and prevention of biowaste, share knowledge and know-how between CIC's associates, enhance compost quality and markets, and provide technical training for the composting sector.

ATIA-ISWA is ISWA's Italian National Member representing the Association of Experts and Technicians on Solid Waste Treatment and Recycling.

The European Composting Network (ECN) is the leading European membership organisation promoting sustainable recycling practices in composting, anaerobic digestion and other biological treatment processes of organic resources.

ECOMONDO is the Mediterranean's largest and most important exhibition for circular economy applied to waste management, sustainable energy, smart cities and water treatment technologies. The fair attracts exhibitors and visitors worldwide.

Date

29th September – 3rd October 2019

Venue

The Study Tour starts in Milan – details of hotel to follow.

Please arrive and check-in by 6pm on Sunday 29th September 2019

The Study Tour language is English.



Registration

Registration fees excludes 22% VAT

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|--|-------------|
| ISWA / ECN MEMBERS | EUR 1 550.- |
| NON-MEMBERS | EUR 1 950.- |
| GROUP DISCOUNT FOR 3 + per person | EUR 1 450.- |
| STUDENT DISCOUNT 3 available | EUR 1 250,- |

Registration

Registration fees include course participation, accommodation, course material, coffee/tea breaks and lunch as well as transfers to and from the technical site visits during Study Tour days.

Upon registration, participants accept all arrangements organized by ISWA and CIC.

The organisers do not assume liability during field demonstrations and technical visits.

Travel health insurance is advisable. Please note that the programme can change.

Contact Georgina Nitzsche at gnitzsche@iswa.org for registration assistance.

Deadline for Study Tour Registration is 30 August, 2019 at noon.

Accommodation

3* Hotel accommodation, in single non-smoking rooms with WIFI and breakfast, will be reserved on your behalf.

Recommended date of arrival: Sunday, 29th September, 2019

Recommended date of departure: Friday, 4th October, 2019

The Programme



Sunday September 29th to Tuesday October 1st

Sunday
PM

Welcome Drink (19:00) and short City Tour of Milan

Monday
AM

Food waste in cities: separate collection in Milan Metropolitan area, currently the best performing city worldwide in diverting food waste from disposal towards recycling

Monday
PM

1st seminar: Circular Economy & biowaste; Collection schemes for biowaste; the role of paper and compostable plastics to enhance separate collection

Tuesday
AM

Separate collection in a District Authority of small/medium settlements: how to boost quality and quantity with effective collection schemes and own composting facility

Tuesday
PM

The role of centralized facilities: a 30'000 tpa composting facility for food waste and green waste from quality separate collection

Transfer to Verona by bus



The Programme

Wednesday 2nd to Thursday October 3rd

Wednesday
AM

Europe's largest biogas and composting facility for food waste: Montello's 600'000 tpa plant for producing biomethane from biowaste and injected into a natural gas pipeline

Wednesday
PM

2nd seminar: Biogas and compost from biowaste; upgrading technologies from biogas to biomethane; MBT treatment.

Evening walk in city of Verona

Thursday
AM

Separate collection with bring schemes: pros/cons in the touristic city of Verona

Learning by doing: real-time performance view of a quality assurance analysis on biowaste

Thursday
PM

Biogas, Heat and CO₂ recovery: SESA's 450'000 tpa biogas and compost facility for food waste and injecting excess-heat into a district heating system

Certificates and Photographs

Thursday
Evening

Transfer to Milan by bus: participants can be dropped at Venice Airport on request.



Cancellation policy

Cancellation policy

ISWA reserve the right to cancel the course if the minimum number of participants is not reached.

Minimum number of participants: 13

Maximum number of participants: 20

Registration may be transferred to a nominated representative. .

Any cancellation of registration must be submitted in writing to ISWA by e-mail: gnitzsche@iswa.org

Cancellation and refund will be subject to the following conditions:

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|--|------------|
| • Cancellation until 29 August 2019: | 50% refund |
| • Cancellation between 30 August 2019 and 24 September 2019: | 10% refund |
| • Cancellation from 25 September 2019 or “no show”: | No refund |

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



For registration matters or to cancel registration

Please contact: Georgina Nitzsche

ISWA Events Manager

ISWA General Secretariat

Vienna, Austria

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