



Invitation to the seminar

Anaerobic digestion process and technologies in a Circular Economy

held by

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Monday 21 April and Tuesday 22 April 2020, from 10 a.m. to 1 p.m.
at DESTEC – thesis room - first floor - via gabba 22, Pisa

The transition from a linear economy to a circular economy is currently one of the biggest challenges in the field of organic municipal solid waste management.

In this seminar, the management of organic municipal solid waste is studied from the perspective of the circular economy in order "to close the loop" and minimise greenhouse gases. A central issue concerns the study of Anaerobic digestion process and technologies.

Agenda

DAY 1

Anaerobic digestion process and technologies: recap of basics

Case study definition

- Background information
- Waste types, quantity and composition
- Discussion of the estimates
- Comparison of possible treatment options

DAY 2

Anaerobic Digestion System model

- Mass flow and Energy budget analysis
- Wet, semi dry and dry anaerobic digestion technology
- Sizing and outline of Anaerobic Digestion (AD) plant