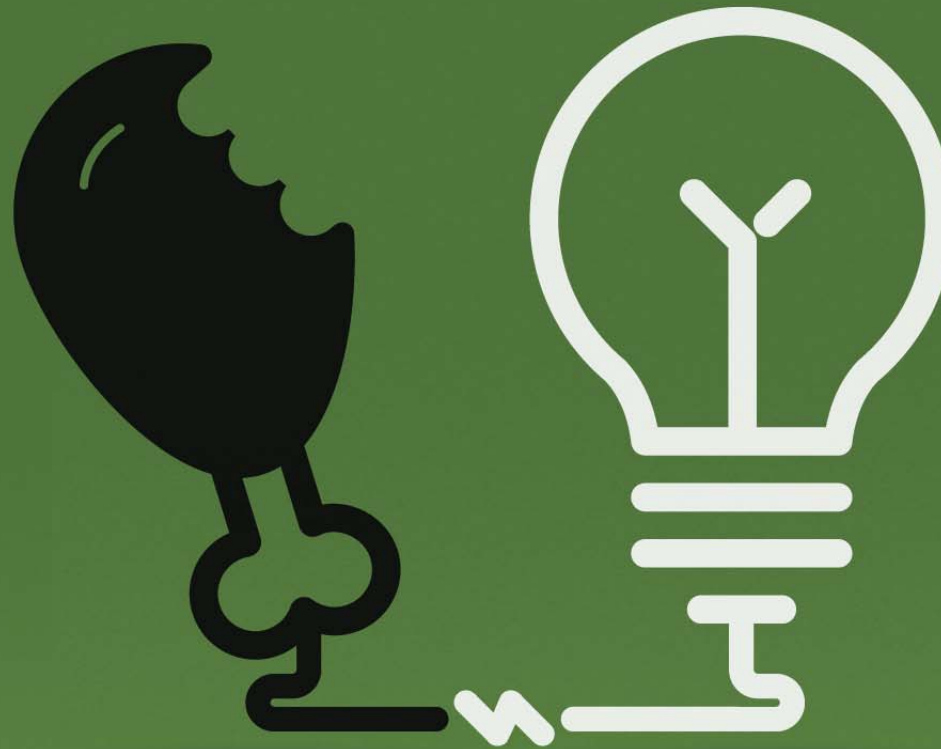




Università degli Studi di Cassino e del Lazio Meridionale

3rd Summer School on



# Biological Treatment of Solid Waste

Gaeta, Italy – June 26-June 30, 2017 | [www.btsw.summerschool3.unicas.it](http://www.btsw.summerschool3.unicas.it)





## Language

The Summer school lessons will be in English

## Description

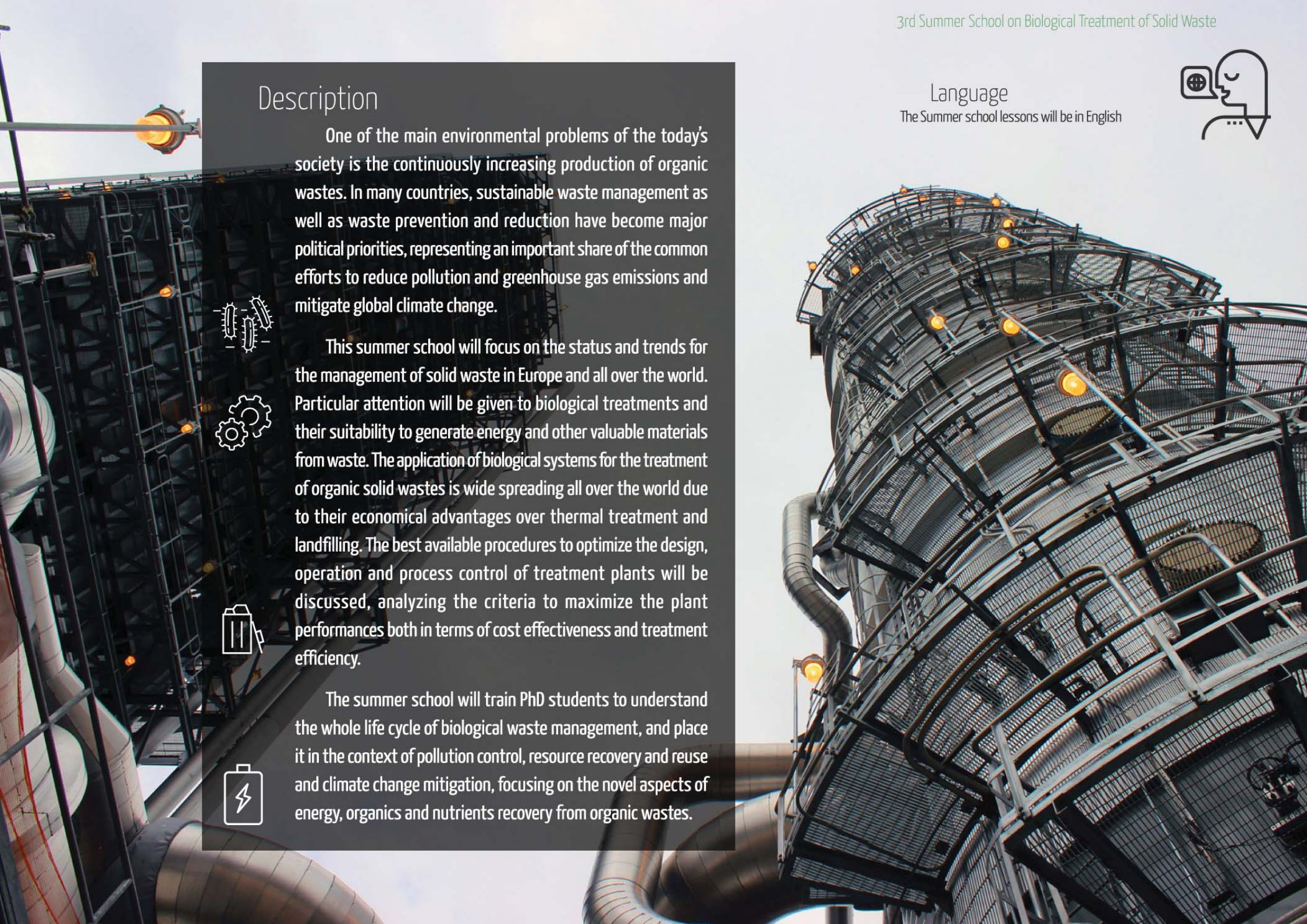
One of the main environmental problems of the today's society is the continuously increasing production of organic wastes. In many countries, sustainable waste management as well as waste prevention and reduction have become major political priorities, representing an important share of the common efforts to reduce pollution and greenhouse gas emissions and mitigate global climate change.



This summer school will focus on the status and trends for the management of solid waste in Europe and all over the world. Particular attention will be given to biological treatments and their suitability to generate energy and other valuable materials from waste. The application of biological systems for the treatment of organic solid wastes is wide spreading all over the world due to their economical advantages over thermal treatment and landfilling. The best available procedures to optimize the design, operation and process control of treatment plants will be discussed, analyzing the criteria to maximize the plant performances both in terms of cost effectiveness and treatment efficiency.



The summer school will train PhD students to understand the whole life cycle of biological waste management, and place it in the context of pollution control, resource recovery and reuse and climate change mitigation, focusing on the novel aspects of energy, organics and nutrients recovery from organic wastes.





## Framework

The **3rd Summer School on Biological Treatment of Solid Waste** is organized in the framework of the two International Doctorates, **ABWET** (Advanced Biological Waste-To-Energy Technologies [www.internationaldoctorate.unicas.it/abwet/](http://www.internationaldoctorate.unicas.it/abwet/)) and **EteCoS<sup>3</sup>** (Environmental Technologies for Contaminated Solids, Soils and Sediments- [www.internationaldoctorate.unicas.it](http://www.internationaldoctorate.unicas.it)).

The **ABWET Marie Skłodowska-Curie European Joint Doctorate (EJD)** provides education and research at PhD level on environmental technologies that convert waste materials into bioenergy, training doctoral candidates to think globally and work in multidisciplinary research teams. **ABWET** is centered on environmental technologies for the treatment of waste, with a focus on anaerobic treatment processes, valorization of the digestate and biofuel clean-up. **ABWET** focuses on fundamental and applied research of different treatment technologies as well as on the development of innovative recovery and reuse technologies with enhanced market potential.

The **ABWETEJD** aims to continue the successful Erasmus Mundus Joint Doctorate **EteCoS<sup>3</sup>**, which developed a joint PhD education and research curriculum with joint selection, supervision and PhD defense procedures. **ABWET** beneficiaries are **University of Cassino and Southern Lazio** (Italy), **UNESCO-IHE** (The Netherlands), **Université Paris-Est** (France) and **Tampere University of Technology** (Finland).

## Scientific Committee

G. Esposito - University of Cassino and Southern Lazio (Italy)  
 P. Lens - UNESCO-IHE (The Netherlands)  
 E. van Hullebusch - University Paris-Est (France)  
 UNESCO-IHE (The Netherlands)  
 J. Rintala - Tampere University of Technology (Finland)  
 A.M. Lakaniemi - Tampere University of Technology (Finland)  
 E. Raj (UNESCO-IHE, The Netherlands)  
 A. Panico - Università Telematica PEGASO (Italy)  
 L. Frunzo - University of Naples Federico II (Italy)  
 S. Papirio - University of Naples Federico II (Italy)  
 F. Pirozzi - University of Naples Federico II (Italy)  
 M. Fabbri - University of Naples Federico II (Italy)

## Costs

Registration fee (includes proceedings, all scientific material, coffee breaks, lunches and participation certificate):  
 Early registration (until April 30th 2017): € 150.00.  
 Regular registration (after April 30th 2017): € 200.00.  
 One day registration: € 50.00.

The registration is free for **ABWET** and **EteCoS<sup>3</sup>** PhD students, PhD Students of **ABWET** and **EteCoS<sup>3</sup>** Partners and Associated Members.  
 Social activities (technical visit and gala dinner): € 50.00, free only for **ABWET** and **EteCoS<sup>3</sup>** PhD students.

## Organizing Committee

G. Esposito - University of Cassino and Southern Lazio (Italy)  
 A. Panico - Università Telematica PEGASO (Italy)  
 S. Papirio - University of Naples Federico II (Italy)  
 V. Pastor Poquet - University of Cassino and Southern Lazio (Italy)

## Location

The course will take place at the Angioino Castle of Gaeta, Salita Castello, Gaeta (Italy)



## Programme

### Monday, June 26

**Morning 9.00-13:00**  
 Welcome and presentation  
 PhD meeting and PhD progress presentations  
**Afternoon 14:30-18:00**  
 PhD meeting and PhD progress presentations

### Tuesday, June 27

**Morning 9.00-13:00**  
 PhD meeting and PhD progress presentations  
**Afternoon 14:30-18:00**  
 PhD meeting and PhD progress presentations

### Wednesday, June 28

**Morning 9.00-13:00**  
 Technical visit  
**Afternoon 14:30-18:00**  
 Management Assembly meeting, PhD Council

### Thursday, June 29

**Morning 9.00-13:00**  
 General Introduction  
**Afternoon 14:30-18:00**  
 Anaerobic Bio-processes

### Friday, June 30

**Morning 9.00-13:00**  
 Bio-refinery  
**Afternoon 14:30-18:00**  
 AD sidestreams

## Information

**Antonio Panico**  
 e-mail: [antonio.panico@unipegaso.it](mailto:antonio.panico@unipegaso.it)

**Stefano Papirio**  
 e-mail: [stefano.papirio@unicas.it](mailto:stefano.papirio@unicas.it)

**Vicente Pastor Poquet**  
 e-mail: [vicente.pastor.poquet@gmail.com](mailto:vicente.pastor.poquet@gmail.com)

## Language

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The Castello Angioino-Aragonese in Gaeta is the venue for conventions and summer schools organized by University of Cassino



## Information

**Antonio Panico**  
e-mail: [antonio.panico@unipegaso.it](mailto:antonio.panico@unipegaso.it)

**Stefano Papirio**  
e-mail: [stefano.papirio@unicas.it](mailto:stefano.papirio@unicas.it)

**Vicente Pastor Poquet**  
e-mail: [vicente.pastor.poquet@gmail.com](mailto:vicente.pastor.poquet@gmail.com)