



## WASTE<sup>2</sup>FUELS

The aim of the workshop is to offer a discussion table to researchers involved in bio-butanol production and utilization. Several key issues of the route for the successful industrial production of bio-butanol will be on the table: feedstock selection, pretreatment and hydrolysis processes, fermentation technologies, catalytic ethanol-to-butanol conversion, solvent recovery technologies and the use as fuels.

Although the bio-butanol production is on the verge of the demonstration stage, several of the cited issues are still bottlenecks for the commercialisation route. Current solutions and challenging solutions will be presented and discussed.

Stimulations for further developments and international cooperation on the cited issues are also among the aim of the workshop.

### WORKSHOP TOPICS

#### Upstream

- ▶ Feedstock selection strategies
- ▶ Biomass pretreatment processes
- ▶ Hydrolysis processes
- ▶ Strain improvement/engineering

#### Downstream

- ▶ Membrane processes
- ▶ Adsorption processes
- ▶ By-product exploitation

#### Conversions to Butanol

- ▶ Fermentation process and technology
- ▶ Ethanol to butanol catalytic route

#### Commercialization

- ▶ Butanol use in commercial units
- ▶ Process fingerprints
- ▶ Socio-economic impact

### SCIENTIFIC COMMITTEE

M. U. Alzueta (*Universidad de Zaragoza, E*)  
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### ORGANIZING COMMITTEE

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 A. Piscitelli (*BIOPOX - Università di Napoli Federico II, I*)  
 A. Procentese (*CNR-Istituto di Ricerche sulla Combustione, I*)

Full registrants: Early (Before June 17, 2018) € 130,00  
 Reduced registrants: (for PhD students) € 80,00

Late € 170,00  
 Late € 100,00

Registration for delegates and students includes: attendance to the technical sessions, coffee breaks, lunch, copy of the abstract of the contributions and social dinner (only full registration).

**Deadlines:** abstract submission, June 3, 2018  
 abstract acceptance, June 10, 2018

Abstract template is available at the website [www.waste2fuels.eu](http://www.waste2fuels.eu)

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THE WORKSHOP IS ORGANIZED  
 WITHIN THE WASTE2FUELS PROJECT  
 AND WITH THE SPONSORSHIP OF:



GRANT AGREEMENT  
 no.: 654623

# NAPOLI

July 9 - 10  
 2018

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