

**SATELLITE EVENT ORGANIZED BY THE ENVIRONMENTAL BIOTECHNOLOGY  
SECTION OF THE EUROPEAN FEDERATION OF BIOTECHNOLOGY (EFB)**

**Thursday 16<sup>th</sup>, LAVATOIO ROOM**

**"Environmental Biotechnology in the bio-based economy era: new challenges and opportunities"**

**Aims:** to present the innovation, emerging needs and challenges of the modern Environmental Biotechnology; to identify the main R&D priorities of the sector and the strategies for promoting them towards public and private EU stakeholders, European Technology Platforms, etc.

**Introductory lectures (8.30-10.00).**

Chairs: Piet Lens & Fabio Fava

8.35-8.50 *Fabio Fava, University of Bologna, Italy.* Biowastes: matrices of environmental concern and very promising feedstocks for the modern industry of the bio-based economy

8.50-9.05 *Spyros Agastos, University of Louvain, Belgium.* Emerging pollutants and new insights on their microbial/enzymatic degradation.

9.05-9.20 *Federico Aulenta, University of Rome "La Sapienza", Italy.* Wiring microbes to electrodes: novel approaches to subsurface monitoring and remediation

9.20-9.35 *Piet Lens, UNESCO-IHE The Netherlands.* Innovation in wastewater clean up and reuse

9.35-9.50 *Willy Verstraete, Ghent University, Belgium.* Myths, facts and visions about energy and nutrient recovery from wastewater

9.50-10.05 *Juan Luis Ramos, Consejo Superior de Investigaciones Científicas, Spain.* Bioremediation and gaps in Environmental Microbiology

**Round table: R&D priorities and strategies for implementing them in Europe (11.30- 13.00).**

Chairs: Nicolas Kalogerakis

11.30-11.50 *Introductory lecture: Ioannis Iconomidis, European Commission: Environmental Biotechnology and Biotechnology for the Environment – The Knowledge-based Bioeconomy research agenda*

11.50-12.50 *In the round table, R&D priorities strategic for the sector and the EFB section will be identified with the active participation of the workshop attendees. Strategies for involving private and public stakeholders and promoting the identified priorities towards the European Commission, the EU technology platforms, OECD, etc. will be discussed, identified and scheduled.*

**Conclusions**

Piet Lens & Fabio Fava