

## WG4 list of members

WG leader  
Piergiuseppe Morone  
Sapienza University of Roma (IT)

WG leader deputy  
Franka Papendienk  
ZALF (DE)

Bert Annevelink  
Wageningen UR (NL)

Mona Arnold  
VTT (FI)

Malcolm Bailey  
Link2Energy (UK)

Rafiq Gani  
DTU (DK)

Helena Kahiluoto  
MTT Agrifood Research (FI)

Apostolis Koutinas  
AUA (EL)

Enzo Montoneri  
Torino University (IT)

Lucie Pfaltzgraff  
University of York (UK)

Maurizio Prospero  
University of Foggia (IT)

## Food waste valorisation for sustainable chemicals, materials & fuels (EUBis)

Food supply chain waste (FSCW) creates huge environmental, economic and social problems. There is now a growing recognition that the twin problems of waste management and resource depletion can be solved together through the utilisation of waste as a resource, using green and sustainable technologies. The EUBis Action represents a timely opportunity to develop novel strategies for the valorisation of FSCW to new, sustainable and functional feedstocks. The symbiotic organisation of a COST Action will greatly benefit EU research in this field, and will focus on key areas to provide cohesive direction on the valorisation of FSCW within a multidisciplinary and multinational collaborative network.

The overall aim of EUBis is to bring about a critical mass of researchers and stakeholders to harness the potential of FSCW as an alternative carbon source to produce commercially viable chemical commodities. The EUBis Action will bring together skills and expertise that cross scientific borders, covering biology, chemistry, biotechnology and food science and technology as well as experts in environmental and economic assessment. EUBis will interconnect different technology hubs across Europe, overcome technological barriers, go beyond current waste exploitation/management approaches, and bridge gaps between academic disciplines as well as between academia and industry.



DiGEF - DEPARTMENT  
OF LAW, PHILOSOPHY AND  
ECONOMIC STUDIES

**SAPIENZA**  
UNIVERSITÀ DI ROMA

## COST Action TD1203 Food waste valorisation

**WG4 meeting on:**  
*Technical and sustainability  
assessment - Policy analysis*

**DiGEF – Dipartimento di Studi  
Giuridici, Filosofici ed Economici**

***Sala delle Lauree  
Facoltà di Giurisprudenza***

*Roma, 08 April 2013*



## Morning session

### 10.00 – Meeting opening

Welcome address by *Cesare Imbriani*  
Head of DiGEF

### 10.15 – James Clark

Welcome to our COST Action

### 10.45 – Enzo Montoneri

Urban and agriculture waste as source of fuel and chemicals. Selection of processes and products deserving technical and sustainability assessment for commercial scale up

*Discussant: Maurizio Prosperi*

### Coffee Break

### 12.00 – F. Papendiek and C. Gutzler

Impacts of agricultural bioenergy production  
*Discussant: Mariarosaria Lombardi*

### 12.45 – Helena Kahiluoto

Sustainability of agrifood waste based biorefining

*Discussant: Valentina Tartiu*

### Lunch Break

## Afternoon session

### 15.00 – A. Koutinas and A. Vlysidis

Development of integrated biorefineries through waste and by-product valorization  
*Discussant: Enzo Montoneri*

### 15.45 – Rafal Lukasik

Biofuels from waste and residues - Sustainability of biofuels  
*Discussant: Edgardo Sica*

### Coffee Break

### 17.00 – Maurizio Prosperi

Food waste valorisation: the issue of social acceptance  
*Discussant: Helena Kahiluoto*

### 17.45 – Piergiuseppe Morone

Sources of change: unpacking landscape pressures on socio-technical regimes. Insights from the food waste supply chain  
*Discussant: Franka Papendiek*

### 18.30 – Discussion on future steps

(1) Themes for future workshops and WG meetings; (2) Ideas for training schools; (3) STSMs; (4) Publication strategy.

### 20.30 – Social Dinner

## WG4 key activities

WG4 focuses on the assessment of FSCW valorisation from technical and sustainability perspectives as well as on policy analysis.

### Technical and sustainability assessment:

Novel processes or biorefineries utilising FW will only be commercially viable if production economics are competitive with conventional counterparts or offer new market alternatives. The partners involved in WG1, 2 and 3 will provide experimental details and potentially data from larger-scale operations on novel sustainable technologies that can be evaluated in WG4 in terms of their techno-economic feasibility and environmental and social impact.

### Policy analysis:

This analysis will define key local and global sources of pressure (as well as the channels through which such pressure can be exerted) to promote and secure policy support to FW valorisation activities. This analysis will allow the Action to stimulate policy-makers involvement (both at local, national and EU levels) in the development of innovative FW valorisation procedures.