

European Technology Platforms Conference 2010

Workshop C1

Towards a Zero-Waste Society

Session 2, 11 May, 14h30 - 16h00

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Focus

Economic progress, increasing population and increasing personal wealth have led, in the developed world, to an explosion in the volumes of waste generated. There is now increasing emphasis on reducing waste as well as on adding value to the waste that has already been produced.

Reducing and preventing the generation of waste along the whole production-consumption chain within the agriculture, fisheries, forestry and food sectors, as well as bio-valorisation (adding value to a waste stream through recycling or reprocessing) are essential elements of the bio-economy concept.

To move towards a zero-waste society, waste reduction and bio-valorisation schemes have to meet the challenge of satisfying several and often conflicting objectives: reliable feedstock supply, high product quality, low process cost, positive public attitude, and environment-friendly practices.

Deploying the multidisciplinary skills needed across a range of industries will require research and innovation to deliver effective approaches and technologies. This workshop will address some of the opportunities and linkages that will be required.

1. Objectives

- Overall, identify how research and innovation cooperation across technologies can address the key area and the particular problem identified. In particular:
- Identify existing or necessary foresight activities and trend analyses.
- Draw up a list of main research and/or innovation lines to be pursued.
- Identify framework conditions that are important.

2. Expected outputs

- Additional foresight activities and trend analyses required.
- Research and innovation lines to be pursued and potential for cooperation.
- Recommendations for addressing the necessary framework conditions.

3. Speakers

- *The Organic Technology Platform initiative*
Cristina Micheloni, Associazione Italiana per l'Agricoltura Biologica
- *Food for Life ETP*
Ulf Sonesson, Vice-Director, Sustainable Food Production; SIK (Swedish Institute for Food and Biotechnology)

- *SusChem ETP*
Theo Jongeling, DSM White Biotechnology B.V.

4. Chair and rapporteur

- Chair: **Lene Lange**, Aalborg University
- Rapporteur: **Markku Karlsson**, UPM-Kymmene