

The FP6 Coordination action CleanProd in cooperation with the European Technology Platform Manufuture cordially invites you to a workshop on 1st October in Brussels on:

Sustainable Manufacturing in Europe

Potentialities for clean products and production in the process chain from forming and machining to surface finishing

Place: Representation of Baden-Wuerttemberg at the European Union, Rue Belliard 60-62, Brussels
Date: Wednesday 1st October 2008
Time: 9h00 – 13h30

Industrial manufacturing processes represent multiple opportunities for producing goods in a more environmentally friendly way. The CleanProd project explored strategies to set European manufacturing on the trajectory towards cleaner production processes with an impressive potential impact on reducing greenhouse gases and other environmental problems.

The workshop will feature the results of the CleanProd project – an R&D roadmap for cleaner production in forming, surface preparation and surface finishing processes by 2020 – and link this to examples of practical implementation of cleaner production in SMEs. It will also explore the incorporation of cleaner production strategies into the work of the European Platform on Future Manufacturing Technologies.

Speakers shall include (among other):

- Prof. Dr.-Ing. Engelbert Westkaemper, Director of the Fraunhofer Institute for Manufacturing Engineering and Automation IPA
- Christos Tokamanis, Head of Unit, DG Research, European Commission
- Benjamin Frugier, Technical Director of the French Federation of Mechanical Industries
- Dr. Serge Galant, CEO of Technofi and President of Greenovate! Europe
- Dr. Shahin Rahimifard, Director of the Centre for Sustainable Manufacturing of the University of Loughborough
- Representatives of 3 SMEs

We very much hope you will be able to attend.

To register for the workshop please reply to this email (katharina.krell@greenovate.eu) with your coordinates to make sure a place is reserved for you. We kindly invite you to forward this invitation to interested colleagues. The participation is free of charge; you will only need to register.

The event is organised with support of:



The European Technology
Platform on future manufacturing
technologies



The representation of the State of
Baden-Württemberg at the
European Union



The European expert group on
innovation for environmental
technologies



**Coordinating European R&D actions
towards cleaner production processes**

Draft AGENDA

- 09:00 – 09:30 Arrival, Registration
- 09:30 – 09:45 Welcome by Richard Arnold
Representation of Baden-Württemberg at the European Union
- 09:45 – 10:00 Welcome and introduction from CleanProd
Benjamin Frugier, Technical Director of the Fédération des Industries Mécaniques
- 10:00 – 10:15 Manufacturing and sustainability, the view of the European Commission
Jose-Lorenzo Valles, Head of Unit, DG Research, EC (to be confirmed)
- 10:15 – 10:45 A Vision for Sustainable Manufacturing in Europe
Prof. Dr.-Ing. Engelbert Westkämper, Director of the Fraunhofer Institute for Manufacturing Engineering and Automation IPA
- 10:45 – 11:00 Coffee break
- 11:00 – 11:30 CleanProd – an R&D roadmap for cleaner production in the forming, machining and surface treatment sectors by 2020
- ✓ The CleanProd road map
Dr. Serge Galant, CEO TECHNOFI and President Greenovate! Europe
 - ✓ An integrated approach to reinforce Europe's world leadership in sustainable manufacturing
Dr. Uwe König, Zentralverband Oberflächentechnik
- 11:30 – 12:00 Implementing cleaner production options:
- ✓ The view of the metal forming industry
SME from France
 - ✓ The view of the painting industry
Dr. Malte Zimmer, Thoma Metallveredelung GmbH (Germany)
 - ✓ The view of the electroplating industry
Lorenzo Dalla Torre, Ecometal (Italy) – t.b.c.
- Discussion:
- 12:00 – 12:05 The eco-design perspective as another component of sustainable production systems – an introduction
Dr. Shahin Rahimifard, Director of the Centre for Sustainable Manufacturing of the University of Loughborough
- 12:05 – 12:15 The perspective of the Clean & Environmental Technologies initiative, Prof. Mario Pelino, University of Aquila
- 12:15 – 12:45 Round table on key issues and possible routes for implementing sustainable manufacturing in Europe:
- ✓ Elements for a Sustainable Manufacturing Sub platform in Manufacture
 - ✓ Complementarity of the existing initiatives
 - ✓ How do these approaches meet manufacturing SMEs concrete needs, e. g. to adapt pro-actively to EU directives (such as REACH)
- Participants: *Jose-Lorenzo Valles, Prof. Dr. F. Jovane, Prof. Dr. E. Westkämper, Prof. Dr. M. Pelino, Dr. S. Rahimifard, Dr. S. Galant, Dr. U. König, Dr. M. Zimmer*
Moderator: *Katharina Krell, Executive Manager of Greenovate! Europe*
- 12:45 -13:30 Lunch Buffet