



Coordinating European R&D actions
towards cleaner production processes

The FP6 Coordination action CleanProd in cooperation with the European Technology Platform Manufacture 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 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 both costs and environmental problems, such as GHG emissions, volatile organic compounds, waste water, and resource intensity.

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, Manufacture
- Jose Lorenzo Valles, Head of Unit, DG Research, European Commission, tbc
- 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
- 3 company representatives

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



Baden-Württemberg

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



The European expert group on
innovation for environmental
technologies



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Draft Agenda

- 09:00 – 09:30 Arrival, Registration
- 09:30 – 09:45 Welcome by the host
Representation of Baden-Württemberg at the EU
- 09:45 – 10:00 Welcome and introduction from CleanProd
Benjamin Frugier, Technical Director, 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 (tbc)
- 10:15 – 10:45 A Vision for Sustainable Manufacturing in Europe
Prof. Dr.-Ing. Engelbert Westkaemper, Director, Fraunhofer Institute for Manufacturing Engineering and Automation IP, Manufuture TP
- 10:45 – 11:00 Coffee break
- 11:00 – 11:30 CleanProd – an R&D roadmap for cleaner production in forming, surface preparation and surface finishing processes by 2020
- ✓ The resulting road map
Dr. Serge Galant, CEO TECHNOFI and President Greenovate! Europe
 - ✓ An integrated approach to reinforce Europe's world leadership
Ernst-Udo Sievers, Managing Partner, I.con innovation
- 11:30 – 12:00 Implementing cleaner production options:
- ✓ The view of the metal forming industry
Benjamin Frugier, Technical Director, Fédération des Industries Mécaniques
 - ✓ The view of the painting industry
Company name tbc
 - ✓ The view of the metal finishing industry
Dr. Malte-Matthias Zimmer, CEO, THOMA Metallveredelung GmbH
- 12:00 – 12:10 The impact of eco design in sustainable process optimisation
Dr. Shahin Rahimifard, Director of the Centre for Sustainable Manufacturing of the University of Loughborough
- 12:10 – 12:45 Round table: Key issues and possible routes for implementing sustainable manufacturing in Europe
- Participants: *EC representatives, Prof. Westkaemper, Dr. Rahimifard, CleanProd representatives, SMEs*
Moderator: *Katharina Krell, Executive Manager of Greenovate! Europe*
 - Topics: EU directives driving sustainable development (in particular REACH), the CleanProd Eco-manufacturing Observatory web platform, Role of Manufuture, Organisational issues with Manufuture, Links with other platforms.
- 12:45 -13:30 Lunch Buffet