

# European Technology Platforms Conference 2010

## Workshop A3

### Greening Industrial Processes

Session 4, 12 May, 09h00 - 10h30

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#### Focus

Basic industries such as steel, chemistry, forestry and mining strongly depend on energy, raw materials and water for their production processes. As these resources are finite, we need to improve the overall efficiency with which such industries consume them.

Developing resource-efficient, intelligent processes and recycling procedures for materials and products via product and process innovations will become a key success factor over the next decade.

Not only novel materials and sustainable production technologies are required; we also need the efficient implementation of these solutions, the effective management of processes and resources, and appropriate standards and regulations. All are crucial in maintaining the competitiveness of Europe's basic industries.

This workshop will discuss these challenges and the opportunities for finding more sustainable solutions and identifying what needs to be done. Who is doing what and how could efforts be more efficiently coordinated between the EU level, Member States and industry itself?

Potential future joint initiatives between ETPs, the Member States and the EU for enhancing sustainability in Europe's basic industries will also be discussed.

#### 1. Objectives

- Overall, to examine how could industry contribute and collaborate to solve challenges and exploit opportunities to find ways to more sustainable growth. In particular:
- Identify existing or necessary foresight activities and trend analyses.
- Describe the market potential for their outcome.
- Identify key changes required in framework conditions (e.g. regulations, standards) and ascertain how to bring these about.
- Identify the role of different actors (EU, Member States, industry).

#### 2. Expected outputs

- Potential for cooperation based on a common research and innovation agenda.
- Recommendations for improving framework conditions.
- Report of the session as a basis for further work.

#### 3. Speakers

- *What evolution does the chemical industry target?*  
**Nagler**, Evonik Degussa GmbH, SusChem Board member

**Peter**

- *Resource-efficient steel production*  
**Bertrand de Lamberterie**, Secretary-General, European Steel Technology Platform (ESTEP)
- *Reducing consumption of natural resources and alternatives for strategic raw materials*  
**Henryk Karas**, KGHM Advisor to the Managing Board, Chair HLG ETP SMR
- *Future plans and strategies to enhance innovation/regulation/standards*  
**Herbert Didier**, Head of Unit, Sustainable Industrial Policy, DG Enterprise & Industry, European Commission

#### 4. Chair and rapporteur

- Chair: **Gernot Klotz**, Executive Director Research & Innovation, CEFIC (European Chemical Industry Council)
- Rapporteur: **Mary Todd Bergman**, Intrasoft

#### 5. Background and useful links

##### *Sustainable Consumption and Production Action Plan*

The sustainable consumption component, based on Ecolabel, energy labelling and Green Public Procurement (GPP), contributes to creating market opportunities for environmentally innovative and eco-designed products and services and defines a new market where only products above a certain level of performance can be competitive.

The sustainable production component, based on the Eco-Design Directive, the Eco-Audit and Management Scheme (EMAS), the Ecolabel, eco-innovation support and support for SMEs, helps companies to be active operators in these new markets.

##### *Links*

Ecolabel: <http://ec.europa.eu/environment/ecolabel/>

Ecodesign: [http://ec.europa.eu/energy/efficiency/ecodesign/eco\\_design\\_en.htm](http://ec.europa.eu/energy/efficiency/ecodesign/eco_design_en.htm)

GPP: [http://ec.europa.eu/environment/gpp/index\\_en.htm](http://ec.europa.eu/environment/gpp/index_en.htm)

EMAS: [http://ec.europa.eu/environment/emas/index\\_en.htm](http://ec.europa.eu/environment/emas/index_en.htm)

ETAP/ eco-innovation: <http://ec.europa.eu/environment/etap/>

ECAP/ SME support: <http://ec.europa.eu/environment/sme/>