



Energy Efficiency and CO₂ Emission Reductions in the Pulp and Paper Industry: Focus on Technology Systems

***A Technical Workshop in the Framework of the G8 Dialogue on Climate Change,
Clean Energy and Sustainable Development-***

In collaboration with WBCSD



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9, rue de la Fédération, 75015 Paris
Métro Bir-Hakeim (Line 6), RER C – Champ de Mars – Tour Eiffel
<http://www.iea.org/textbase/about/map.asp>*

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Objective

The technical workshop aims at better quantifying the global potential for energy efficiency and CO₂ reduction in the pulp and paper sector and at discussing various approaches to overcome the barriers to improvements.

It will focus on the following areas:

- 1) Current energy efficiency in the sector
- 2) Energy indicators for pulp and paper industry
- 3) Technologies for enhanced energy efficiency and CO₂ reduction

Participants

Pulp and paper technology and energy experts from industry, academia, governments and international governmental organizations and participants of the IEA Industrial Energy-Related Technology Systems (IETS) Implementing Agreement.

9:00 **Opening and the G8 programme**

9:15 **Key messages on Sustainable Forest Products Industry, Carbon and Climate**

9:30 **Pulp & paper industry and energy indicators in the G8 industry task**

10:00 Status and global trends

Chair: Bob Dixon, Head, Energy Technology Policy Division, IEA

- Energy efficiency developments in the North and South American Pulp & Paper industry;
- Energy efficiency developments in the European Pulp & Paper industry;
- Energy efficiency developments in the Asian Pulp & Paper industry;
- Benchmarking energy use and GHG emissions.

11:15 Coffee break

11:45 Technologies to improve energy efficiency and reduce CO₂ emissions

- Improvement potential in chemical pulping: Black liquid gasification;
- Improvement potential in mechanical pulping Advanced paper making technologies and technologies to reduce CO₂ emissions;
- Energy conversion: Increasing the use of CHP systems.

13:00 Lunch break

14:30 Integrated Energy Systems, alternative fuels, feedstocks and processes

- Energy efficiency in pulp and paper making in Japan: the benchmark for the world?
- Status of Bio-refinery development in the US and Europe;
- Programs to improve energy efficiency in Sweden's P & P industry KAM and FRAM;
- Energy transition in the paper chain.

16:00 Coffee break

16:30 Roundtable: Recommendations for G8 activities

Discussion will focus on:

- R&D needs;
- Achieving efficiency and CO₂ reduction;
- Benchmarking and other approaches;
- ETS & IPCC;
- Energy Indicators;
- Extending best practices to developing countries;
- Coordination of international activities in this field.

18:00 Closing remarks