



# **The Cement Industry in the G8 Industry Task**

**Dr. Dolf Gielen  
Senior Analyst  
Coordinator G8 Industry Task**



# Goal

- **Partner in the Dialogue - advise on alternative energy scenarios & strategies;**
- **Transforming the way we use energy (End-use efficiency), *amongst which industry:***
  - ◆ Develop indicators to assess energy efficiency
  - ◆ Assess energy efficiency performance in industry;
  - ◆ Identify areas for further analysis of energy efficiency measures by industry;



# Steps

- **Energy Technology Perspectives – scenarios and strategies for 2050**
  - ◆ Published June 2006
  - ◆ Contains analysis for cement
  - ◆ Builds on WBCSD work
- **Indicators for Industrial Energy Efficiency and CO<sub>2</sub> Emissions**
  - ◆ Will be published April 2007
  - ◆ Submitted to G8 summit in Germany
  - ◆ Focuses on country comparison of indicators
  - ◆ For cement the same analytical approach as APP
  - ◆ Work has started
  - ◆ Presentation Michael Taylor + DRAFT paper



# Next Steps

- **Analysis of technology potentials for CO<sub>2</sub> emission reduction, including:**
  - ◆ CO<sub>2</sub> capture & storage
  - ◆ Other new technology
  - ◆ Industrial ecology
- **Energy Technology Perspectives 2008**
  - ◆ Updated scenario analysis
  - ◆ Competitiveness & strategy issues
  - ◆ Submitted to G8 summit in Japan
- **Section in the IEA progress reports for German + Japanese G8 summit**



# Proposed Cooperation Themes

- **Energy efficiency & CO<sub>2</sub> emission indicators on a country level**
  - ◆ Data & analysis validation
- **Explanation of differences on a country level**
  - ◆ Technology diffusion (presentation Dr. Kanako Tanaka)
  - ◆ Kiln operation
  - ◆ Resource quality
- **Advice on what can be done realistically**
  - ◆ Cost & competitiveness
  - ◆ Time path
  - ◆ Technology & resource issues
- **Advice on a transition path**
  - ◆ Who should be involved
  - ◆ What is the role of various actors



# This Workshop

- **1<sup>st</sup> step in data collection & validation**
- **There will be a workshop statement, including:**
  - ◆ **Your data on efficiencies & emissions worldwide, and where to find missing data**
  - ◆ **Your feedback on ETP scenario analysis & technology diffusion**
  - ◆ **Your advice on technology focus for energy efficiency & CO<sub>2</sub> reduction analysis**
  - ◆ **Your advice on cooperation & policy framework analysis**
  - ◆ **Your advice on G8 recommendations**