

**DIRECTORATE FOR SCIENCE, TECHNOLOGY AND INDUSTRY
STEEL COMMITTEE**

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INDIA

**OVERVIEW OF THE 1ST STEEL TASK FORCE OF ASIA-PACIFIC PARTNERSHIP ON CLEAN
DEVELOPMENT AND CLIMATE**

Jointe India/OECD/IISI Workshop, New Delhi (India), 16-17 May 2006

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Joint India/OECD/IISI Steel Workshop in New Delhi, 16-17 May, 2006

*Overview of the 1st Steel Task Force
of Asia-Pacific Partnership on Clean
Development and Climate*

Satoshi Abe
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Japan



Part One

Establishment of APP



1. Vision Statement (July, 2005)

6 Partners

- ◆ Enhance cooperation to meet both our increased energy needs and associated challenges, including those related to air pollution, energy security, and greenhouse gas intensities.
- ◆ Develop, deploy and transfer cleaner, more efficient technologies and meet national pollution reduction, energy security and climate change concerns, consistent with the principles of the UNFCCC.
- ◆ Promote and create an enabling environment for the development, diffusion, deployment and transfer of existing and emerging cost-effective, cleaner technologies and practices, through concrete and substantial cooperation so as to achieve practical results.

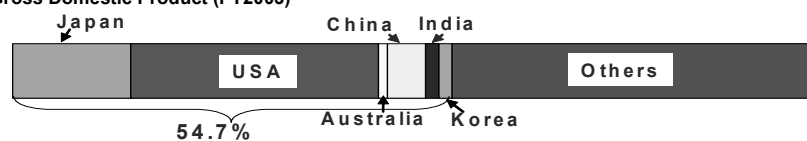
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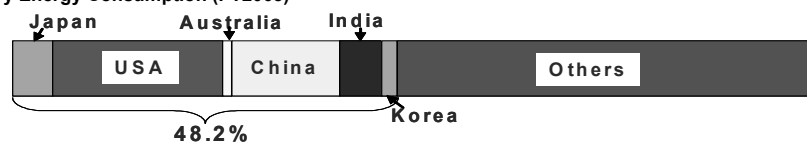
2. Outlook of the Partners

- ◆ 6 Partners assume a half of the global share on GDP, Primary Energy Consumption, and CO2 Emissions.
- ◆ The data shows the significance of APP.

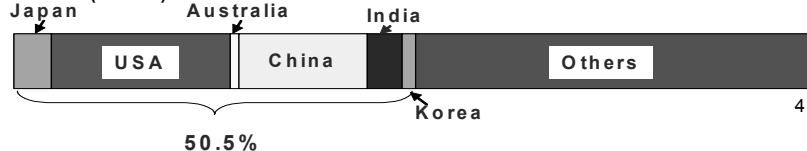
Real Gross Domestic Product (FY2003)



Primary Energy Consumption (FY2003)



CO2 Emissions (FY2003)





3. Sydney Inaugural Ministerial Meeting (January, 2006)

1. Profile

- ◆ Dialogue among Ministers and CEOs
(Public and Private worked together)
- ◆ Participation of Energy, Environment and Foreign Ministers
- ◆ Adoption of bottom-up approach to accelerate the practical actions and projects

2. Achievements

- ◆ Charter for the Asia-Pacific Partnership
- ◆ Communiqué for the Asia-Pacific Partnership
- ◆ Work Plan for the Asia-Pacific Partnership

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4. Charter for the APP

1) Shared vision

- ◆ Advance clean development and climate objectives, recognizing that development and poverty eradication are urgent and overriding goals
- ◆ Enhance cooperation to meet both our increased energy needs and associated challenges, including those related to air pollution, energy security, and greenhouse gas intensities

2) Purposes of the Partnership

- ◆ Create a voluntary, non-legally binding framework for international cooperation to facilitate the development, diffusion, deployment, and transfer of existing, emerging and longer term cost-effective, cleaner, more efficient technologies and practices
- ◆ Explore the Partners' respective policy approaches relevant to addressing interlinked development, energy, environment, and climate change issues

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5. Communiqué for the APP

1) Task Forces

- (1) Cleaner fossil energy, (2) Renewable energy and distributed generation, (3) Power generation, (4) **Steel**, (5) Aluminium, (6) Cement, (7) Coal mining, (8) Building and appliances

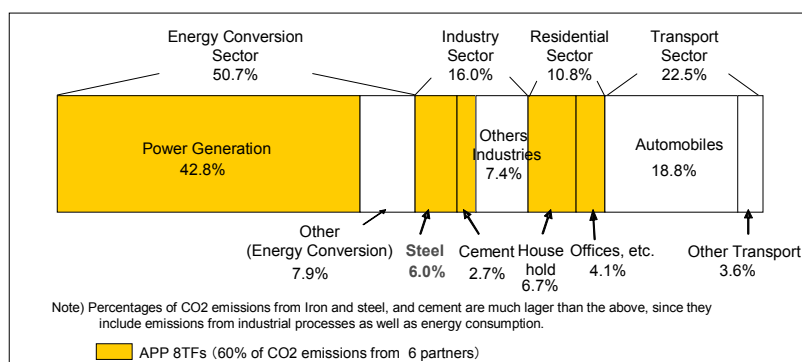
2) Tasks

- ◆ Review the current status within the thematic area with regard to clean development and climate
- ◆ Share knowledge, experience and good practice of how efficiency can be improved
- ◆ Systematically roadmap, where appropriate, relevant existing and emerging technologies
- ◆ Develop an action plan that identifies specific opportunities for co-operation, and, wherever possible, ambitious and realistic goals


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◆ CO₂ emissions in the 6 Partners from the sectors under 8 Task Forces



Source: Estimated from data in IEA (2004), "CO₂ Emissions from Fuel Combustion", IEA (2005), "World Energy Statistics 2005"
 Note: Sectoral emissions have been estimated based on the records of primary energy supply, sectoral energy consumption and CO₂ emissions by fuel.



6. Work Plan for the APP

1) Approach

- ◆ Government/industry Task Force to develop sustainable solutions to shared challenges through bottom-up practical action, harnessing the power of private sectors


2) Priority

- ◆ Task Forces to formulate detailed action plans outlining both immediate and medium-term specific actions, including possible “flagship” projects and relevant indicators of progress - if possible, by mid-2006

3) Task Forces

- ◆ Review the current status of their sector with regard to clean development and climate
- ◆ Share knowledge, experience and good practice examples of how industrial efficiency, energy efficiency and environmental outcomes can be improved
- ◆ Identify specific opportunities for cooperation including with relevant international financial organisations such as the Asian Development Bank and the World Bank
- ◆ Define the current state of the technology in terms of cost, performance, market share and barriers
- ◆ Identify cost and performance objectives and the actions needed to achieve these objectives
- ◆ Identify, wherever possible, ambitious and realistic goals

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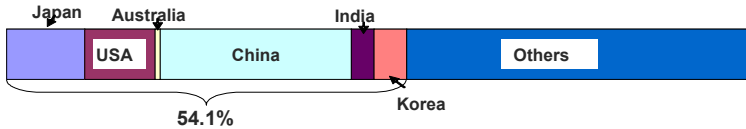
7. Steel Task Force Work Plan

1) Chair: Japan Co-Chair: India

2) Objectives

- Develop sector relevant benchmark and performance indicators.
- Facilitate the deployment of best practice steel technologies.
- Increase collaboration between relevant Partnership country government, research and industry steel-related institutions.
- Develop processes to reduce energy usage, air pollution and greenhouse gas emissions from steel production.
- Increase recycling across the Partnership.

Steel production (ton) of the 6 Partners in the world



Partner	Relative Production (Estimated)
Japan	~10%
USA	~10%
Australia	~5%
China	~20%
India	~5%
Korea	~10%
Others	~45%

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Part Two

The 1st Steel Task Force

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Report to PIC Progress on Action Plan

Steel Task Force

Prepared by Chair of Steel Task Force

Asia-Pacific Partnership Berkeley Meeting
April 18-21, 2006



1. Overview of actions

1. Identify effective technologies and equipments
2. Review the current status of equipment diffusion rates, energy efficiency indices, environmental related indices and recycling rate
3. Conduct research and diagnosis of facilities for energy saving and environmental protection to identify barriers
4. Demonstrate potentials of CO₂ emissions reduction

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2. Project -1

■ APP Steel Workshop

- Exchange information and share experience between the APP countries, annually in principle.
- Management: Host country (Japan, 2006)
- Schedule: September, 2006

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3. Project-2

■ Status review of the industry related indicators

- Review current status of equipment diffusion rates in energy saving, environment protection, and recycling

- Management: Japan

- Schedule: completed by July, 2006

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4. Project-3

■ Performance indicators setting

- Identify concrete quantitative indicators of energy efficiency and environmental improvement

- Management: Korea (Co-chair: Japan and U.S.)

- Schedule: completed by around mid-2007

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5. Project-4

■ Performance diagnosis

- Dispatch experts of energy saving and environmental protection and advise as to appropriate improvement plans.

- Management: China and India

- Schedule: starting from 2007

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6. Project-5.1

■ Best Available Technologies Handbook

- Compile a comprehensive information on BAT for energy saving and environmental protection

- Management: U.S. (Co-chair: Japan)

- Schedule: revised edition will be circulated at the next TF, September, 2006

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7. Project-5.2

■ Field Test Project

- Implement field test projects, based on plant diagnoses (Project-4)

■ Management: Australia

■ Schedule: starting from April, 2007

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8. Outstanding issues

■ Cross-sector issue

■ Funding

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