

# APP Steel Task Force Flagship Projects



**Chair of Steel Task Force**

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**the 2nd Ministerial Meeting  
October 15th, 2007 in New Delhi**



Flagship Project 1

# SOACT Handbook

**Shared state-of-the-art technologies relating environmental protection and energy saving.**



- 53 of environmental protection technologies
- 48 of energy saving technologies
- 63 technologies are registered from Japan.

Sintering	Coke making	Iron making	BOF Steelmaking	EAF Steelmaking	Recycling	General Measures	Total
26	6	32	15	6	12	4	101



## Flagship Project 2 (STF-06-02 and 03)

# Establishment of Common Methodology

to Identify Reduction Potential and Performance Benchmarking

### Step-1: Status Review

Diffusion rate of technologies

Selection of technologies for survey

Intensity benchmarking

A common Methodology setting for benchmarking

Formula

Boundary

Conversion Factors

Diffusion Survey

Barriers Survey

Intensity Survey

### Step-2: Reduction potential in APP 6 countries

CO<sub>2</sub> 127 M ton/year    SO<sub>x</sub>: 0.65 M ton/year    NO<sub>x</sub>: 0.29 M ton/year

### Step-3: Target setting

*4th TF in Australia in Oct. 2007*

*5th TF in China in 2008*

Next Programs



# Mechanism of Technology Deployment

for Eligible Technology Adaptation

based on *Expert Diagnoses Methodology and Procedures*

## Step-1: Site Visit

### Fact findings

On-site evaluation of candidate technologies for improvement

### Recommendations

Appropriate and suitable implementations from SOACT

CO<sub>2</sub> thru  
Energy saving,  
SO<sub>x</sub>, NO<sub>x</sub> etc.

## Step-2: Prioritization of Technology Solutions

Evaluation and  
Prioritization of technology  
implementation plans

-Barriers for realization (financial, technological etc.)  
-Cost-effectiveness etc.

Next Programs

## Step-3: Proposal to the Steel TF projects



# APP to the World

## IISI Policy Statement on Global Warming

- IISI agreed to apply the APP method universally for calculating CO2 intensity in Steel Sector.
- IISI decided to adopt *“the global sectoral approach”* on October 7, 2007.
  - global, voluntary, technology-focused and intensity based action
  - wider application of current *best practice and technology*
  - long-term investment in R&D for breakthrough new steelmaking technologies

### The International Iron and Steel Institute (IISI)

- 180 steel producers (19 of the world's 20 largest steel companies)
- produce around 75% of the world's steel