

Comments

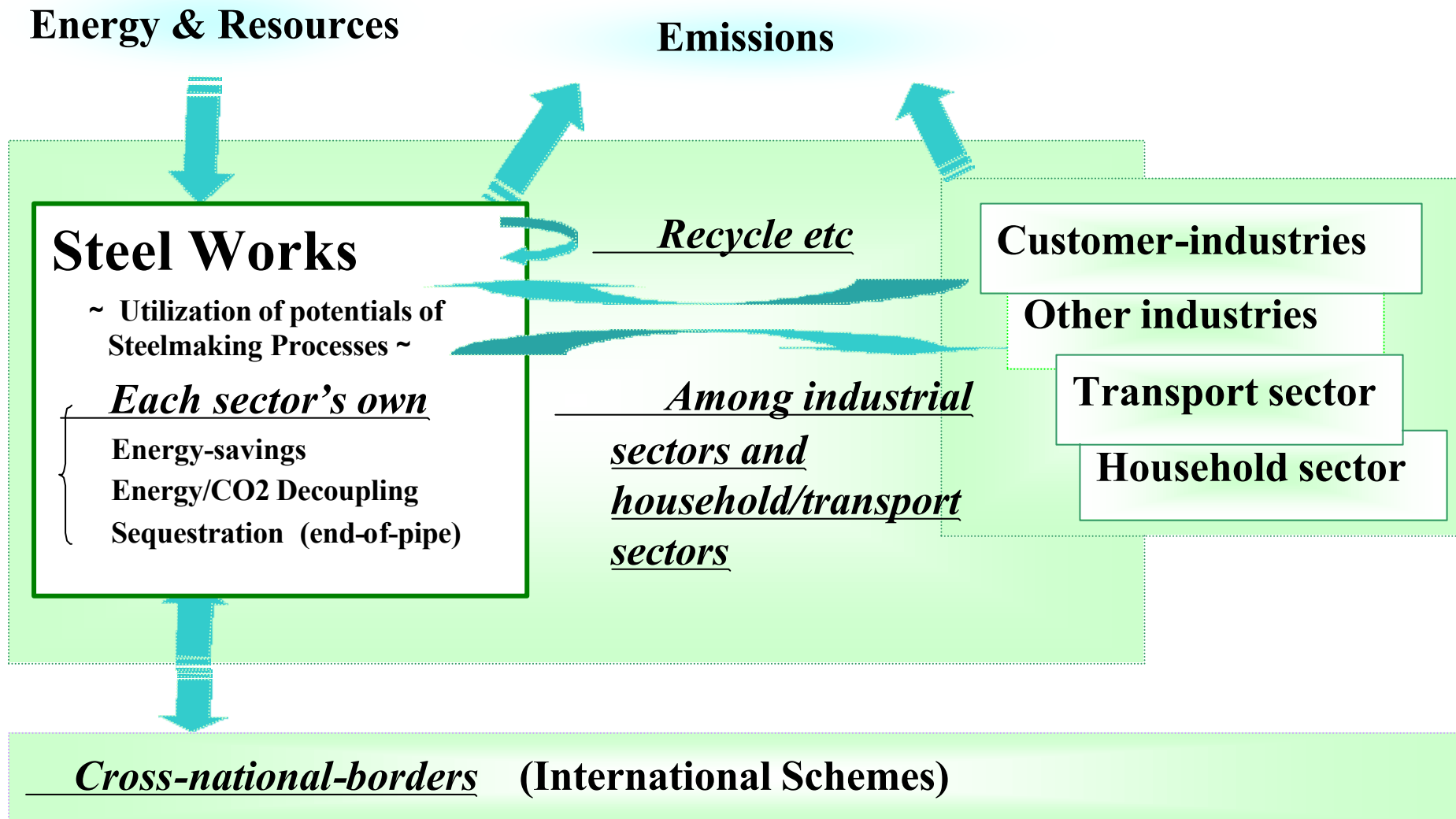
on the “ FIRST DRAFT CHAPTER OUTLINE OF WG FOR THE AR4 (25 June 2003) ”

September 2003

- **Cross-sectoral** issues has been already listed up as the chapter eleven in the draft.
- Idea of this chapter is vital for struggling with global warming.
- So It would be valuable to cover wider concept as listed below in this “cross-sectoral” chapter or in the separate one.
 - Although efforts of each sector on one’s own are important, collaborations among sectors will lead to enhanced outcomes.
 - Between industrial sectors.
 - Among industrial sectors and household/transport sectors.
 - Cross-national-borders.
 - Coupling between “chapter 10 waste management “ issues recycle etc and global warming.

Some examples are in the followings.

An example of cross-sectoral collaborations in *wider concept* related to steel industry.



Each sector on one's own.

An example of efforts of Keidanren's Voluntary Action Plan

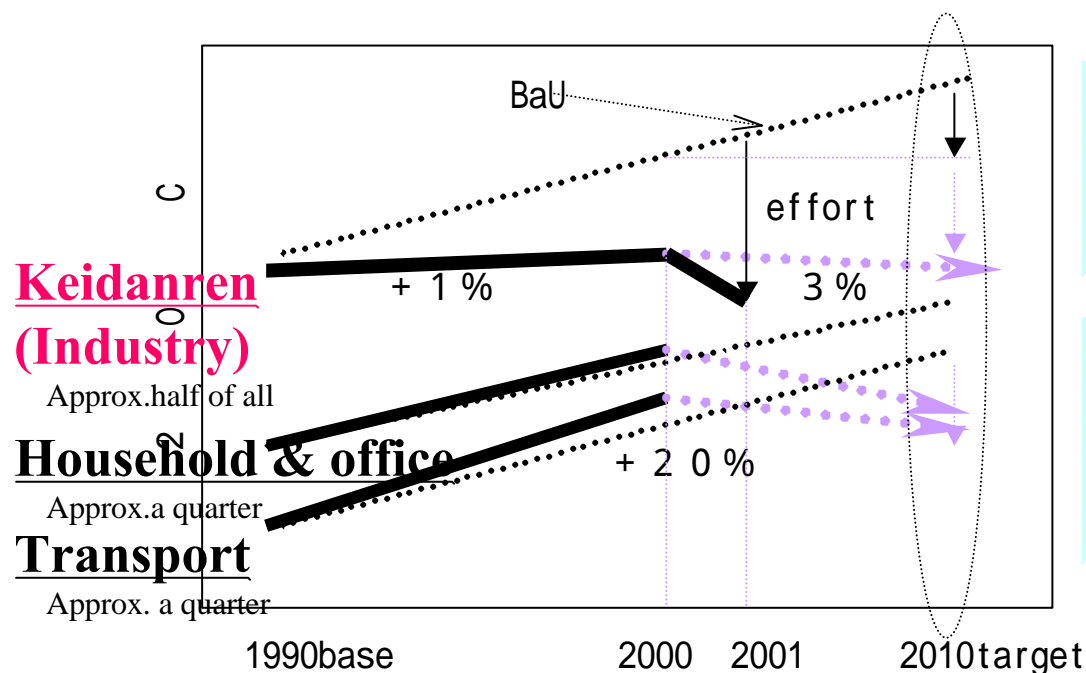
Participation : 34 industrial sectors.

Coverage : Approx. 45% of the national total (80% of industrial sectors) in Japan.

(Performance data of CO2 Emissions in fiscal 2001)

Industrial sector in Japan	CO2 [mton-CO2/y]	vs 1990 [%]	Target (2010 vs 1990) , Actual of 2001
Iron and Steel	178	8.7 %	Absolute Energy 10%, 8.5%
Petroleum	44	+29.3%	Specific energy 10%, 12.8%
Chemical	75	+5.8%	Specific energy 10%, 8.0%
Paper	29	+3.8%	Specific energy 10%, 7.3%
Cement	24	13.5%	Specific energy 3%, 2.5%
Power (portion attributed)	34	+8.7%	Specific CO2 20%, 10.0%
Others	100	-	-
Total(Keidanren)	484	<u>3.2%</u>	CO2 emissions ± 0%, <u>3.2%</u>

Reference, sector-wise CO2 emissions related to energy consumption in Japan



Keidanren's Voluntary Initiative has achieved CO2 reduction by 3.2%.

Household/office and Transport sectors have increased by 20%.

Japan's GHGs emission increased by 8 % (2000)

(Energy related CO2 = 10% increase)

An example of *wider concept*.
Japan Iron and Steel Federation's Voluntary Action Plan

In 1996 JISF Voluntary Action Plan launched.

Each sector on one's own

Between industrial sectors

Among industrial sectors and household/transport sectors

Cross-national-borders

Recycle etc and global warming



- Energy-saving in the production processes by 10% (2010 vs 1990)

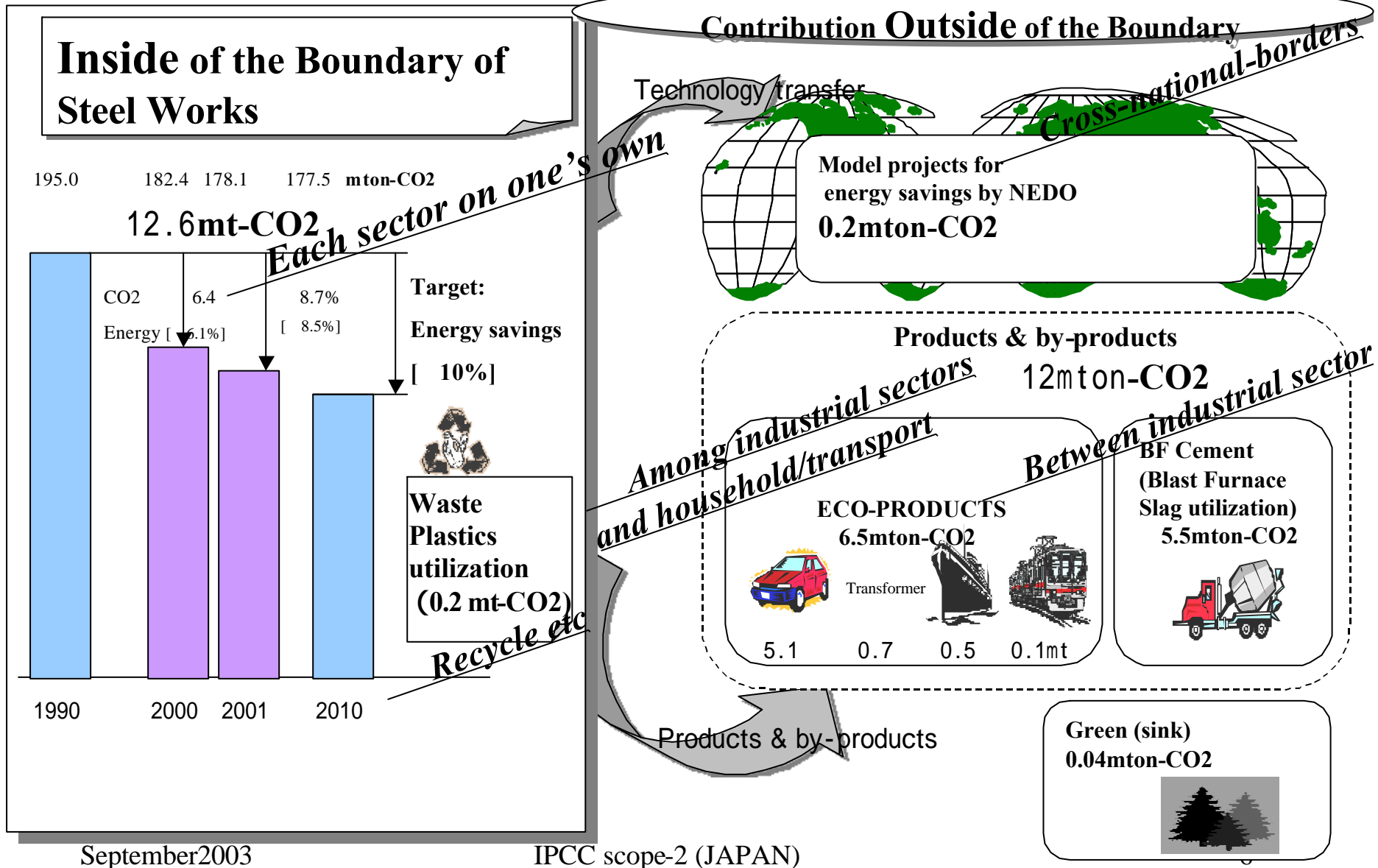
- Contribution to energy-saving in other industry through steelmaking by-products.

-Contribution to energy-saving in the communities through "Eco-products"
- Further Utilization of Waste Energy in the Local Communities.

-International contribution through Technology Transfer.

-Utilization of Waste Plastics in Coke Oven/BF under the condition of establishing classification and collecting scheme by local government.

Reference, overview of Achievements of Voluntary Initiative Japan's Steel Industry in fiscal 2000.



September 2003

IPCC scope-2 (JAPAN)

NEDO*:the New Energy and Industrial Technology Development Organization

Appendix-1

Concept of Zero Emissions, Cement Industry

Concept of Zero Emissions

