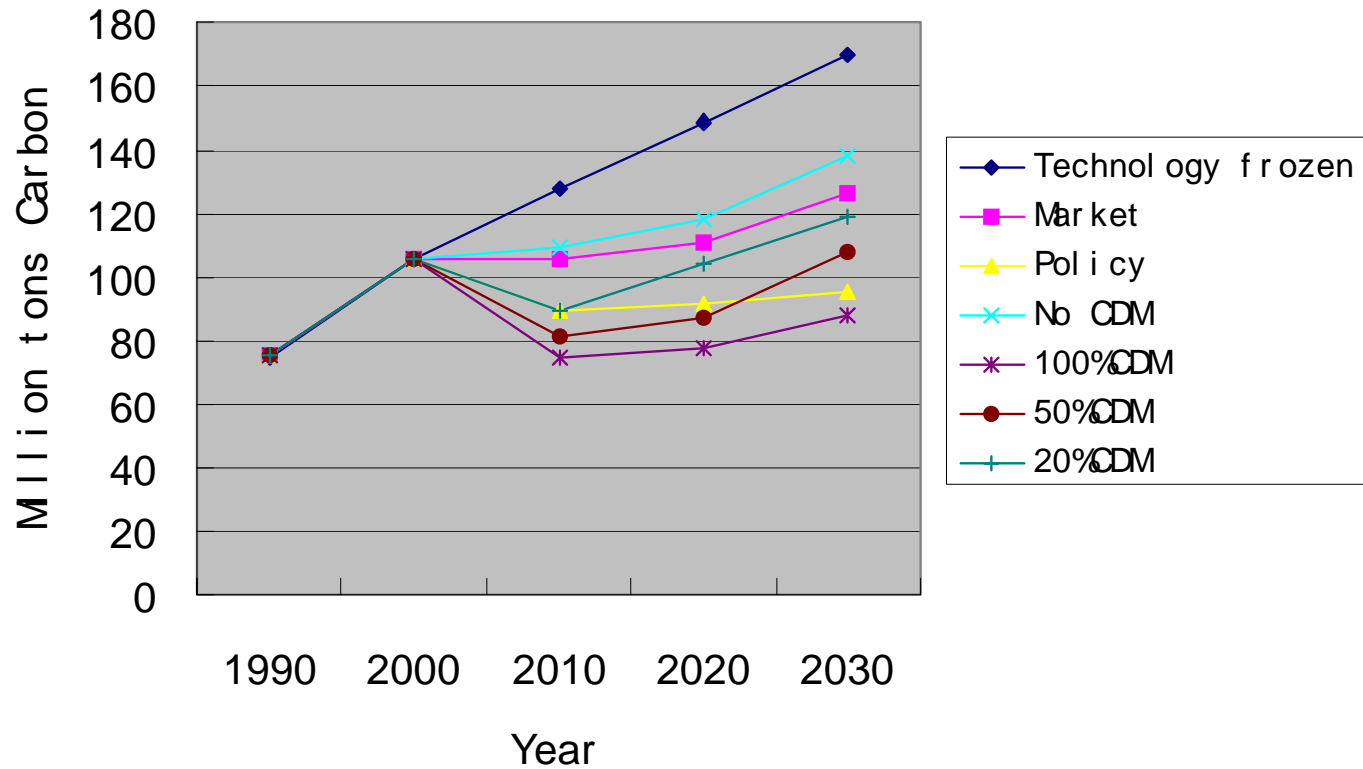


Perspective of CDM collaboration between China and Japan:
A case study for Steel Industry

Xiulian HU, Kejun JIANG
Center for Energy, Environment and Climate Change, Energy Research
Institute

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CO2 emission reduction potential by cases



Parameters for CDM on coke dry quenching

Item	Unit	Parameters
CO2 Emission Reduction	Kg-C	61.3
Fixed cost increase	Yuan/ton Coke	14
Reduction cost A	Yuan	228.3
Saved energy/material cost	Yuan/ton coke	86.3
Reduction cost B with 3 year PBP	Yuan	113

Comparison among various baselines

Baseline	CO2 Emission Reduction Ton-C	Fixed cost increase Yuan/ton capacity	Reduction cost A	Saved energy cost	Reduction cost B Yuan with 3 year PBP
Small Coke Oven	0.131		36.9	44.2	-0
Large Coke Oven	0.024		166	13.3	32
Average Level in 2000	0.066		64	25.7	-0

	Total income			Additional A investment needed		
	100yuan /t-C	200 yuan/t-C	500 yuan/t-C	100 yuan/t-C	200 yuan/t-C	500 yuan/t-C
Small Coke Oven	48898	97796	244491	12648	-36249	-182944
Large Coke Oven	24942	49885	124713	36604	11661	-63166
Average Level	34524	69049	172624	27022	-7502	-111077
Coke dry quenching	12253	24506	61266	58618	46365	9606

Different price of CO2: baseline investment considered

	Additional B invest needed		
	100 yuan/t-C	200 yuan/t-C	500 yuan/t-C
Small Coke Oven	-21854	-70753	-217447
Large Coke Oven	-697	-25639	-100467
Average Level	-9160	-43685	-147259
Coke dry quenching	10873	1379	-38139