

Co-Benefits of Climate Action - Key Findings

Table 1: Co-benefits achieved by INDCs compared to current policies trajectories

Co-benefit	EU	US	China	Total
Cost savings from reduced fossil fuel imports	USD 33 billion per year saved	Reduced reliance on scarce, domestically produced fuels	Reduce reliance on scarce domestically produced coal by 21%	n/a
Premature deaths from excessive ambient exposure to fine particulate matter prevented per year	6,000 deaths	7,000 deaths	100,000 deaths	113,000 deaths
Creation of additional green jobs in the renewable energy sector by 2030	70,000 jobs	470,000 jobs	500,000 jobs	1,040,000 jobs

Despite the major achievements of the INDCs, this study has also shown that the potential co-benefits of strengthening INDCs to meet a 2°C compatible trajectory are many times higher than those already achieved. Table 2 summarises this potential. Table 3 provides the total benefits unlocked in the 100% renewable energy scenario.

Figures shown demonstrate the potential co-benefits **which are *in addition* to those already achieved by INDCs.**

Table 2: Potential additional co-benefits from strengthening INDCs to meet a 2°C compatible trajectory with 100% renewable energy - as compared to the plans presented.

Co-benefit	EU	US	China	Total
Cost savings from reduced fossil fuel imports	USD 140 billion per year saved	USD 160 billion per year saved	USD 190 billion per year saved	USD 490 billion per year saved
Premature deaths from excessive ambient exposure to fine particulate matter prevented a year	40,000 deaths	20,000 deaths	1.1 million deaths	1.2 million deaths
Creation of additional green jobs in the renewable energy sector by 2030	350,000 jobs	180,000 jobs	1.4 million jobs	2 million jobs

Table 3: Total co-benefits if INDCs were at a 2°C compatible trajectory with 100% renewable energy

Co-benefit	EU	US	China	Total
Cost savings from reduced fossil fuel imports	USD 173 billion per year saved	USD 160 billion per year saved	USD 190 billion per year saved	USD 523 billion per year saved
Premature deaths from excessive ambient exposure to fine particulate matter prevented a year	46,000 deaths	27,000 deaths	1.2 million deaths	1.3 million deaths
Creation of additional green jobs in the renewable energy sector by 2030	420,000 jobs	650,000 jobs	1.9 million jobs	3 million jobs

