Securing additional climate financing, beyond budgetary contributions, by

Ensuring No Net Incidence on Developing Countries from Carbon Pricing of International Transport (Rebate Mechanism)

Outline and RM keys

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'No net incidence' for a breakthrough in Durban

The key to break the deadlock in the complex area of emission reductions and innovative financing from international transport is the concept of "no net incidence". Recommended in the AGF Report and introduced into International Maritime Organization (IMO) negotiations, the requirement to "ensure no net incidence on developing countries" from carbon pricing of international transport is already being supported by various major countries, including China and Australia (informally). It will reconcile the different principles of shipping and climate change conventions enabling progress in Durban.

Rebate Mechanism to ensure not net incidence

Already formally proposed and assessed in the IMO, the Rebate Mechanism (RM) is the way to ensure no net incidence on developing countries from carbon pricing of international maritime transport. The RM was designed to apply to any revenue-generating market-based mechanism for shipping (maritime MBM) – be it a levy or an ETS. It can also apply to aviation. Through the RM developing countries can be rebated the potential cost or incidence of a maritime MBM.

RM details

The mechanism calculates the rebate using the global MBM costs and a trade-based key, country-by-country. Each developing country would receive the attributed rebate, unless it decides to forego it. The developing country that would forego its rebate, or part of it, would be internationally recognized for such action, and the foregone rebates could potentially contribute to South-South collaboration. Developed countries are not entitled to rebates but are automatically credited for the amount of financing raised through the MBM, based on the same attribution key. Consequently, the net revenue raised, after rebates have been issued, would come from customers in developed countries only, thereby complying with the principles and provisions of the UNFCCC, while simultaneously securing a global approach to shipping emissions.

The rebate key could be adjusted each year, accordingly with changes in trade patterns. The optimal rebate keys for 150+ developing countries and attribution keys for developed countries are enclosed overleaf, based on 2007 trade by sea and air.

Long-term financing contribution

Around one third of the total revenue would be redistributed to developing countries through the Rebate Mechanism. The remaining USD 10+ billion annually would be new and additional financing to support mitigation and adaptation actions in the most vulnerable countries. By 2030, since the shipping sector's emissions will most likely increase even if regulated, the mechanism would generate in the region of USD 35 billion each year for climate change. As an example, the European Union would automatically be credited for circa 28% of this amount based on the optimal attribution keys (see overleaf).

RM's optimal rebate & attribution keys¹ for:

(1) Rebates for developing countries²

Country/region	R Key %	Country/region	R Key %		R Key
Afghanistan	0.0238	Gambia	0.0030	Nigeria	0.33
Albania	0.0346	Georgia	0.0360	Niue	0.00
Algeria	0.2820	Ghana	0.0727	Oman	0.11
Angola	0.0893	Grenada	0.0038	Pakistan	0.27
Antigua and Barbuda	0.0075	Guatemala	0.1182	Palau	0.00
Argentina	0.3586	Guinea	0.0126	Panama	0.06
Armenia	0.0282	Guinea-Bissau	0.0010	Papua New Guinea	0.02
Azerbaijan	0.0404	Guyana	0.0101	Paraguay	0.03
Bahamas	0.0320	Haiti	0.0156	Peru	0.16
Bahrain	0.1130	Honduras	0.0577	Philippines	0.59
Bangladesh	0.1565	India	1.9806	Qatar	0.2
Barbados	0.0134	Indonesia	0.6912	Rwanda	0.00
Belize	0.0059	Iran (Islamic Rep. of)	0.4176	Saint Kitts and Nevis	0.00
Benin	0.0103	Iraq	0.1952	Saint Lucia	0.0
Bhutan	0.0049	Israel	0.5823	Saint Vincent and the Grenad	0.0
Bolivia	0.0177	lamaica	0.0695	Samoa	0.0
Bosnia and Herzegovina	0.0724	Iordan	0.1048	San Marino	0.0
Botswana	0.0370	Kazakhstan	0.1729	Sao Tome and Principe	0.0
Brazil	1 1268	Kenya	0.0907	Saudi Arabia	0.8
Rrunei Darussalam	0.0195	Kiribati	0.0007	Senegal	0.0
Rurkina Faso	0.0158	Korea, Dem. People's Rep. of		Serhia	0.1
Burundi	0.0130	Korea, Rep. of	3 6796	Sevchelles	0.0
Cambodia	0.0042	Kuwait	0.2070	Sierra Leone	0.0
Cameroon	0.0492	Kyrgyzstan	0.2070	Singapore	2.3
Cape Verde	0.0076	Lao People's Democratic Rep		Solomon Islands	0.0
Central African Republic	0.0070	Lebanon	0.0099	Somalia	0.0
Chad	0.0021	Lesotho	0.1197	South Africa	0.0
Chile	0.0240	Liberia	0.0179	Sri Lanka	0.8
Lniie China	8 3490	Libvan Arab Jamahiriya	0.0047	Sri Lanka Sudan	0.1
	2.0579			Suriname	0.0
hina, Hong Kong SAR		Macedonia (the former Yugo	0.0421		
China, Macao SAR Taiwan Province of China	2 2651	Madagascar Malawi	0.0252	Swaziland	0.0
			0.0220	Syrian Arab Republic	
Colombia	0.2847	Malaysia	1.1751	Tajikistan	0.0
Comoros	0.0012	Maldives	0.0113	Tanzania, United Rep. of	0.0
Congo	0.0277	Mali	0.0147	Thailand	1.3
Congo (Democratic Rep. of th		Malta	0.0510	Timor-Leste	0.0
Cook Islands	0.0011	Marshall Islands	0.0007	Togo	0.0
Costa Rica	0.1283	Mauritania	0.0133	Tonga	0.0
Côte d'Ivoire	0.0682	Mauritius	0.0402	Trinidad and Tobago	0.0
Cuba	0.1123	Mexico	1.4594	Tunisia	0.1
Cyprus	0.0902	Micronesia (Federated States		Turkmenistan	0.0
Djibouti	0.0044	Moldova, Rep. of	0.0263	Tuvalu	0.0
Dominica	0.0020	Mongolia	0.0075	Uganda	0.0
Dominican Republic	0.1415	Montenegro	0.0298	United Arab Emirates	1.2
cuador	0.1196	Morocco	0.3182	Uruguay	0.0
gypt	0.2499	Mozambique	0.0210	Uzbekistan	0.0
El Salvador	0.0790	Myanmar	0.0304	Vanuatu	0.0
quatorial Guinea	0.0288	Namibia	0.0089	Venezuela (Bolivarian Rep. o	0.3
ritrea	0.0066	Nauru	0.0008	Viet Nam	0.5
thiopia	0.0592	Nepal	0.0274	Yemen	0.0
ill	0.0184	Nicaragua	0.0325	Zambia	0.0
Sahon	0.0204	Niger	0.0090	Zimhahwe	0.0

Developing Country/region	R Key, %
China	8.35
Korea, Republic of	3.68
Singapore	2.36
Taiwan Province of China	2.27
Hong Kong SAR, China	2.06
India	1.98
Next 30	15.31
Remaining 120+ countries	4.19
TOTAL non-Annex I	40.19

Example: Ethiopia's annual rebate would be \$6 million for total carbon costs of \$10bn (i.e. 0.06% of \$10bn)

(2) Crediting developed countries for climate financing raised

Country	Attr Key %	Country	Attr Key %
Australia	1.5983	Latvia	0.0958
Austria	0.4521	Lithuania	0.1143
Belarus	0.0910	Luxembourg	0.0506
Belgium	1.6705	Netherlands	2.3298
Bulgaria	0.2399	New Zealand	0.3177
Canada	1.9773	Norway	0.4904
Croatia	0.2318	Poland	0.7256
Czech Republic	0.4328	Portugal	0.5020
Denmark	0.3991	Romania	0.5534
Estonia	0.1123	Russian Federation	1.3992
Finland	0.6018	Slovakia	0.3236
France	2.6018	Slovenia	0.0963
Germany	4.6015	Spain	3.0122
Greece	0.7362	Sweden	0.9112
Hungary	0.4480	Switzerland	0.5129
Iceland	0.0690	Turkey	1.6386
Ireland	0.5932	Ukraine	0.5624
Italy	2.9651	United Kingdom	3.964
Japan	6.4161	United States of America	15.977

Example: EU would be credited for raising \$2.85 billion of climate financing when total revenue from carbon pricing of shipping emissions is \$10bn (i.e. 28.5% of \$10bn)

Developed Country/region	Attr Key %
European Union*	28.53
United States of America	15.98
Japan	6.42
Canada	1.98
Turkey	1.64
Australia	1.60
Russian Federation	1.40
Remaining 7 countries	2.28
TOTAL Annex-I Parties	59.81

¹Each key reflects a percentage of total costs or revenue from carbon pricing of shipping emissions.

²Developing country may forego the rebate or a part of it, and be recognized for such action. Thus the rebates may amount to 30% or less. The keys are for 2007 (see the <u>Study</u> or <u>GHG-WG 3/3/11</u>).