Developmental Equity

Fair-shares global differentiation after Durban 開発の衡平性 ダーバン後の地球規模での公平な差異化

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Development Rights



After Rio+20 リオ+20の後

- The Rio+20 meeting was not a failure
 - The principle of Common but Differentiated Responsibilities was reaffirmed
 - Potentially important new processes (e.g. Sustainable Development Goals) were put into motion
- The Rio+20 meeting was not a success
 - The sustainability crisis is extremely challenging
 - This is particularly true today decades of inaction, an aggressive fossil cartel, an unstable global economy, a global inequality crisis . . .
- The climate talks remain the key to the future
 - Rio-style processes could accomplish more much more if there was a breakthrough in the climate negotiations
 - There will not be a breakthrough in the climate negotiations without a breakthrough on the "equity" question

Equity in the UNFCCC context UNFCCC**における衡平性**

The adequacy principle

- Any regime or strategy that cannot deliver an ambitious global mobilization cannot be accepted as equitable. Ambition is the key equity principle.
- 2C is now the official global goal. It is sign of our desperation that we support it.

CBDR/RC

- We need a common understanding of equitable effort sharing -- that reconciles the abstract principle of CBDR/RC with a concrete model of global differentiation that is adequate to the complexities of the emerging world system.
- Such an approach must give due account to both *historic responsibility* for the climate problem and the *capability* to act to solve it.

The right to sustainable development

- This principle -- and its reach beyond "poverty eradication" -- is inevitably controversial, but it is just as inevitably essential to the solution.
- "Equitable access to sustainable development" does not imply a right to pollute. Such a misinterpretation conflicts with the fundamental objective of the Convention (to protect the climate system). Emissions must be constrained.

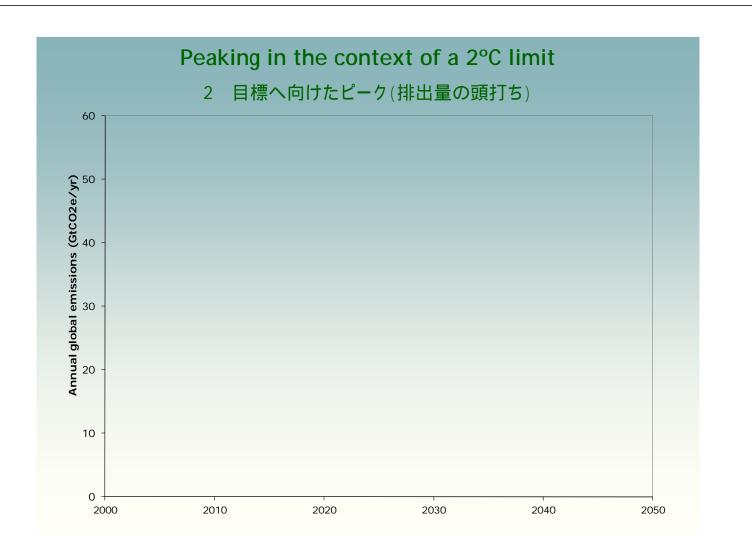
"Equitable Access to Sustainable Development" 持続可能な開発への衡平なアクセス(EASD)

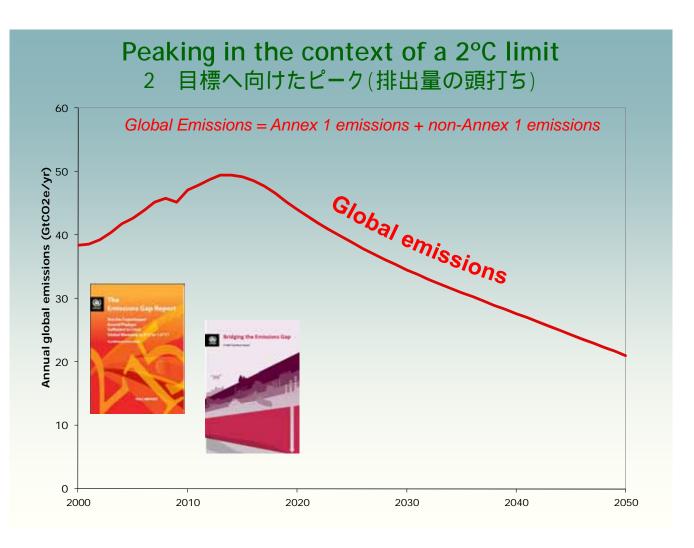
"... Agrees that Parties should cooperate in achieving the peaking of global and national greenhouse gas emissions as soon as possible, recognizing that the time frame for peaking will be longer in developing countries, and bearing in mind that social and economic development and poverty eradication are the first and overriding priorities of developing countries and that a low-carbon development strategy is indispensable to sustainable development; in this context, further agrees to work towards identifying a time frame for global peaking of greenhouse gas emissions based on the best available scientific knowledge and equitable access to sustainable development, and to consider it at the seventeenth session of the Conference of the Parties;"

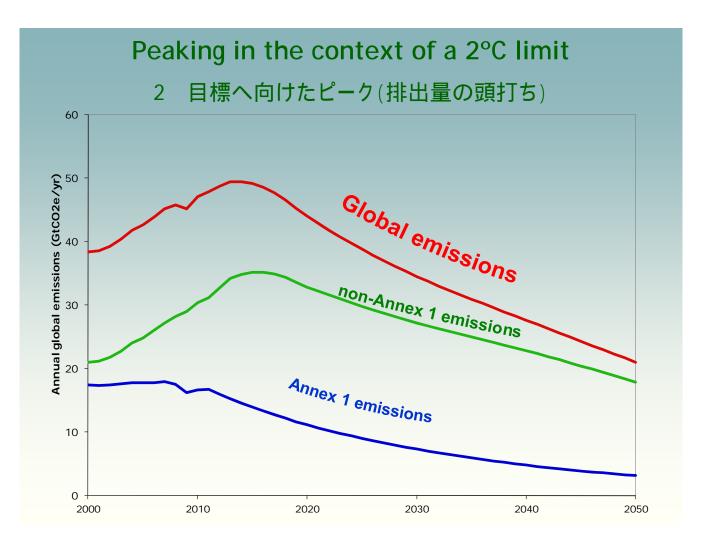
The Cancun Agreements [Decision 1/CP.16, para. I.6]

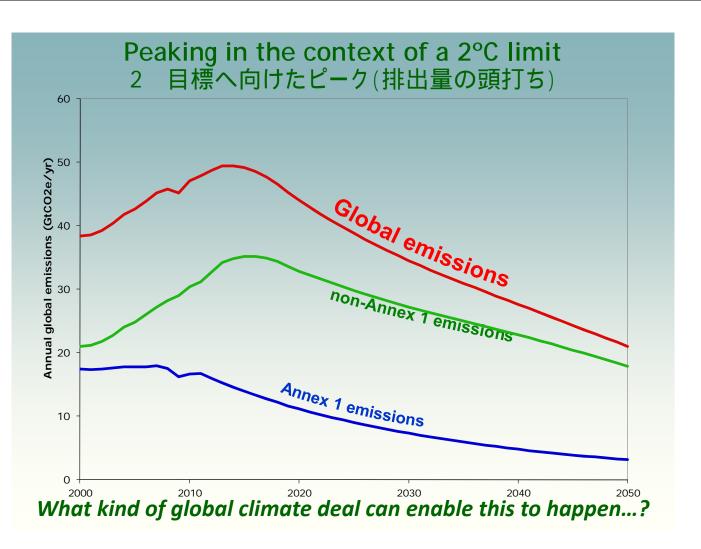
Three key components of EASD EASDにおける三つの主要構成要素

- 1. The global emissions peak (and subsequent rate of decline) must be consistent with keeping climate change below the agreed maximum level.
- 2. Each country must have a sufficient share of the limited remaining greenhouse gas budget, as this determines how soon its national emissions must peak and how quickly they must decline.
- Each country must have adequate financial & technological means to keep within the available greenhouse gas budget, without compromising poverty eradication and legitimate development needs.



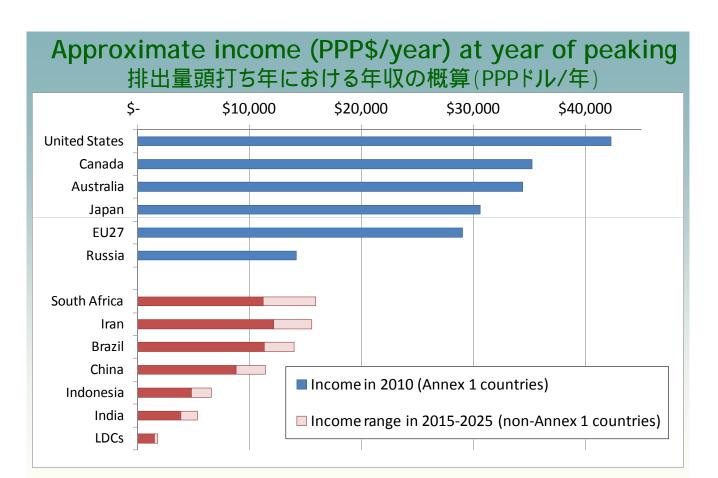






... in the midst of a development crisis? 開発・発展の危機の最中で・・・

- 2 billion people without access to clean cooking fuels
- About 800 million people chronically undernourished
- More than 1 billion have poor access to fresh water
- 2 million children die per year from diarrhea
- 30,000 deaths each day from preventable diseases
- More than 1.5 billion people without electricity



Sources: World Development Indicators Databank (World Bank, April 2012); Incomes in 2005 PPP US\$

Looking forward 将来の展望

• Equity and Ambition are two sides of the same coin

- The science is terrifying. This is a 4C (6C?) world. Pessimism is increasing
- Without at least a rough shared understanding of what can reasonably be expected of others, all countries will fear "free riders"
- A 3-phase process can build a rough consensus on equity
 - Deeper dialogue to understand national positions and predicaments
 - Agree *key principles* and *criteria for their operationalization* (adequacy, CBDR/RC, and right to sustainable development)
 - Apply principles to key issues (mitigation, finance, adaptation, loss and damage etc). Between now and 2015, we have to negotiate numbers

• Equity is back on the menu

- Some sort of "equitable access to sustainable development" is clearly necessary if there is going to be a viable "ambition coalition"
- This will take time to sort out. Meanwhile, only action can build trust

Greenhouse Development Rights 温室効果開発権利

• GDRs is an "effort sharing" framework

Not a "resource sharing" framework - the resource ("atmospheric space") is already gone

GDRs is a "reference framework"

- Operationalizes all three of UNFCCC's "master equity principles"
- Provides a solid, if rough, way to understand national "fair shares," and thus identify countries that are "free riding. This is critical in a pledge and review world

• GDRs requires no Annexes

- Each country is given a "Responsibility and Capacity Index" which determines its "fair share" of the global effort, on both the adaptation and mitigations sides
- GDRs is a "proof of concept" it shows that a global, equity-based, "spectrum approach" is actually possible

The Responsibility and Capacity Index 責任と能力指標

The RCI defines national obligations

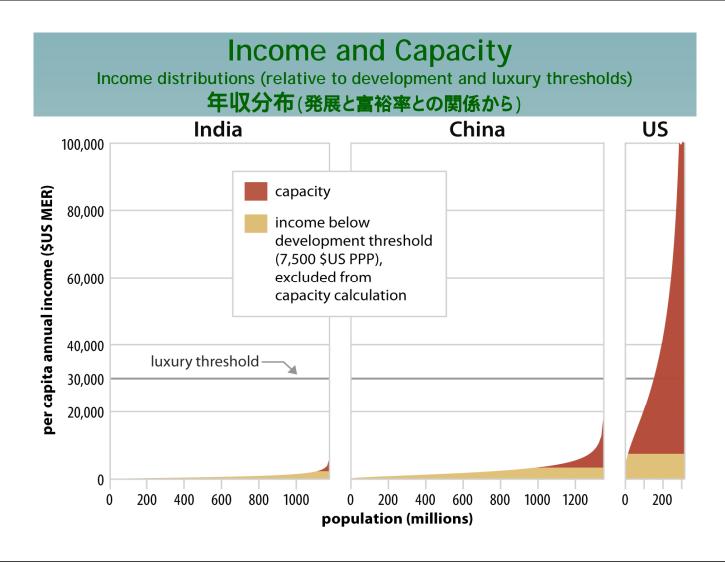
National share of *global* costs (both mitigation and adaptation) is based on both capacity and responsibility

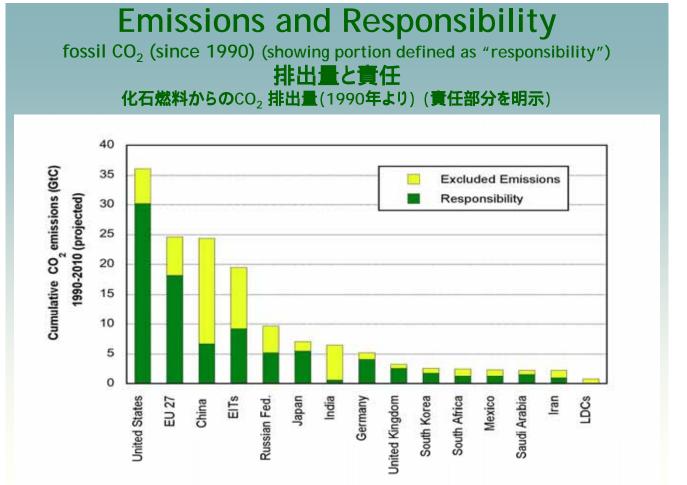
Capacity: resources to pay w/o sacrificing necessities

Income below a *"*development threshold" of \$20/day PPP (\$7,500/year) is **excluded** from calculation of national capacity

Responsibility: contribution to climate change

We use *cumulative* CO₂ emissions, **excluding** "subsistence" emissions (i.e., emissions corresponding to consumption below the development threshold)

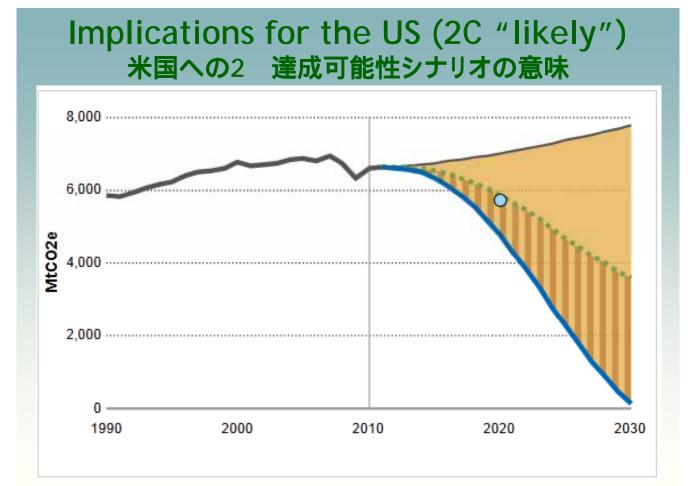




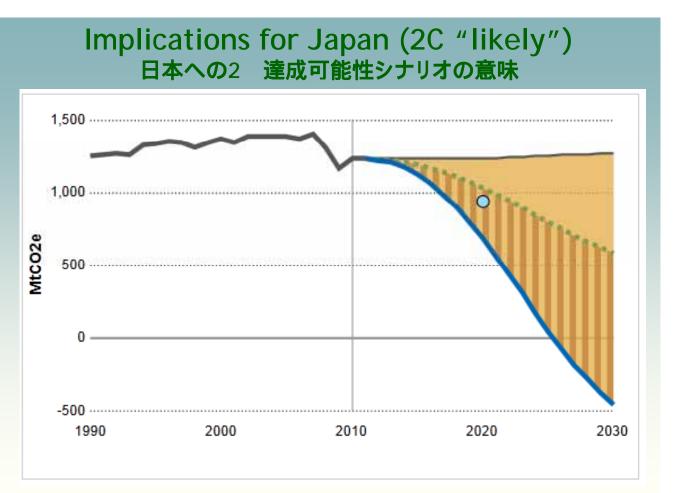
National obligations over time 将来における各国の義務

	2010					2020	2030
	Population (% of global)	Income (\$US PPP / capita)	Capacity (% of global)	Responsibility (% of global)	RCI (% of global)	RCI (% of global)	RCI (% of global)
EU 27	7.3%	32,101	31%	21%	26%	23%	19%
- EU 15	5.8%	35,407	29%	18%	23%	20%	17%
- EU +12	1.5%	19,244	1.9%	3.6%	2.7%	2.7%	2.5%
United States	4.6%	45,922	29%	25%	29%	26%	24%
Japan	1.8%	33,873	10.1%	5%	7.6%	6.3%	5.1%
Russia	2.0%	20,036	2.3%	9.4%	5.9%	5.5%	5.5%
China	19.6%	7,794	5.2%	5.5%	5.4%	11.2%	16.4%
India	17.6%	3,454	0.25%	0.4%	0.3%	0.9%	2.3%
South Africa	0.7%	10,465	0.45%	1.3%	0.86%	0.86%	0.82%
Brazil	2.8%	11,183	2.65%	6.1%	2.9%	2.8%	2.8%
LDCs	11.4%	1,594	0.1%	0.6%	0.34%	0.33%	0.39%
Annex I	18.6%	32,729	80%	73%	76%	65%	58%
Non-Annex I	81.4%	6,130	20%	27%	24%	35%	42%
World	100%	11,987	100%	100%	100%	100%	100.0%

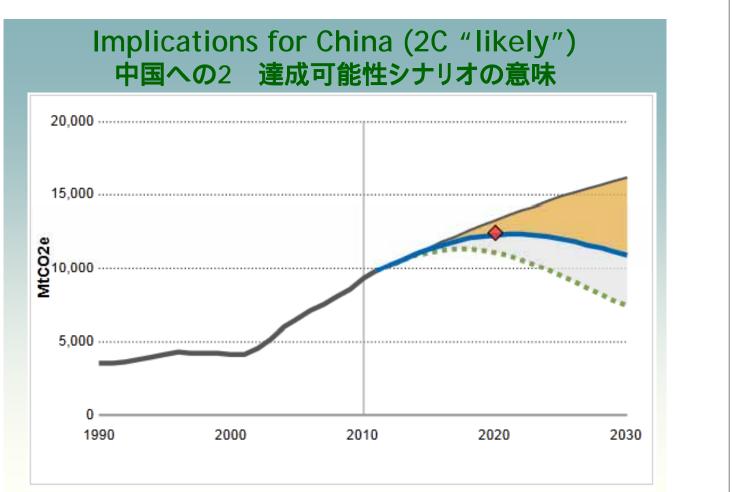
All gases. No land-use emissions. No trade-embodied emissions. 2010-based growth projections



Standard case, "2C likely" pathway, indicative self-funded / supported division



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Summary: Developmental Equity まとめ:開発の衡平性

UNFCCC embeds three "master" equity principles

- The adequacy principle
- Common but differentiated responsibilities & respective capabilities
- The right to sustainable development

The equity agenda - a "fair enough" spectrum approach, negotiated in the context of increasing action

"Equitable access to Sustainable Development" is exactly the right name for the political-economic challenge

- A global peak consistent with agreed maximum warming
- All nations to get a fair share of the remaining global budget
- Adequate financial and technological means, for all nations, so that they can hold within strict emissions budgets without compromising their legitimate development needs