Sustainable development and the Agenda2030 in emerging economies A Positive Trade and Environment Agenda for the BRICS

10 Years of the Turin Centre on Emerging Economies: lessons learned and perspectives for the future

Piergiuseppe Fortunato, 29.11.2023



Roadmap

- A changing global scenario/the geopolitical challenge
- The climate challenge
- Policy dimensions



The changing global scenario - A three words story

Hyper-globalization

Polycrisis

Hyper-realism



The Hyper-globalization regime

Deep economic integration (trade, finance, regulations,...)

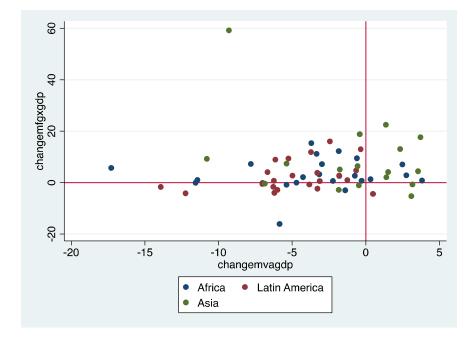
Central role of the markets

Needs of global economy before national goals (positive-sum game?)

Blind-spots: provision of global public goods (climate change, global health) & loss of political accountability &...

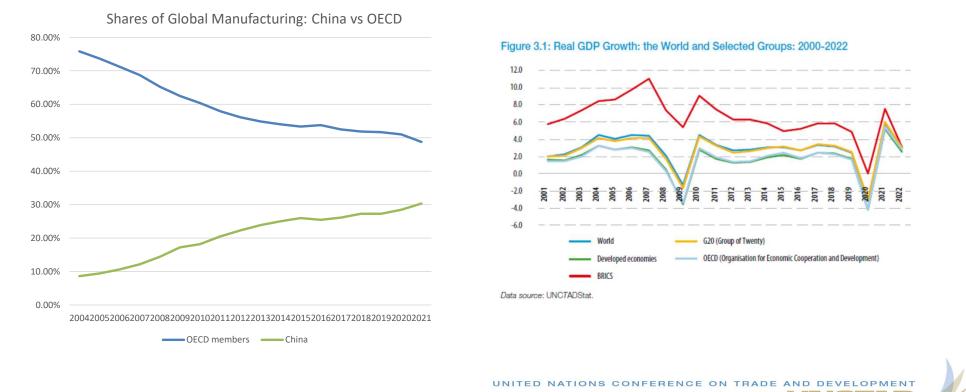


Developing countries and hyper-globalization



The paradoxes of Hyper-globalization I

The most successful economies were those that did NOT play by the rules



The BRICS effect

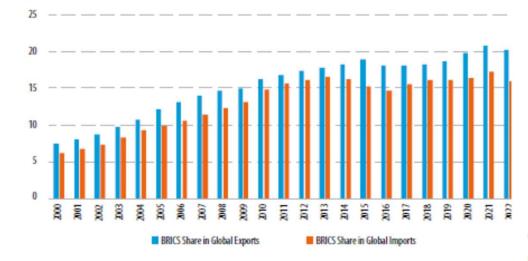


Figure 2.1a: BRICS Share of Global Trade in Goods

Figure 2.2: Share of Countries in Intra-BRICS Exports: 2002-2022

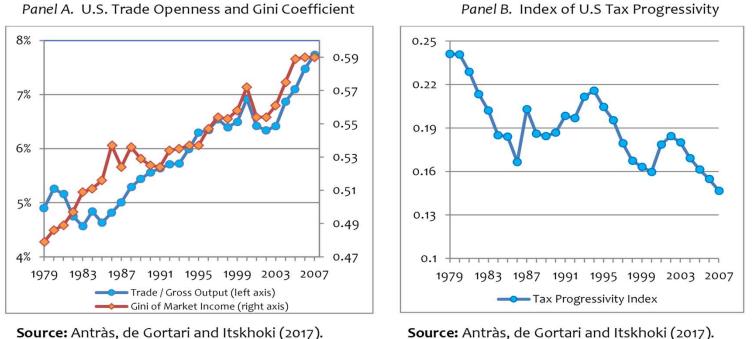


Source: World Integrated Solutions (WITS), COMTRADE.

BRICS has emerged as an important trading partner for all BRICS countries. The share of BRICS in total exports and imports of all BRICS countries has increased over time (Figure 2.3).

The paradoxes of Hyper-globalization II

Global integration (between countries) but domestic disintegration (within countries)



Inequality and Redistribution in the United States

2017). Source: Antràs, de Gortari and Itskhoki (2017).

Polycrisis

Climate emergency

COVID-19

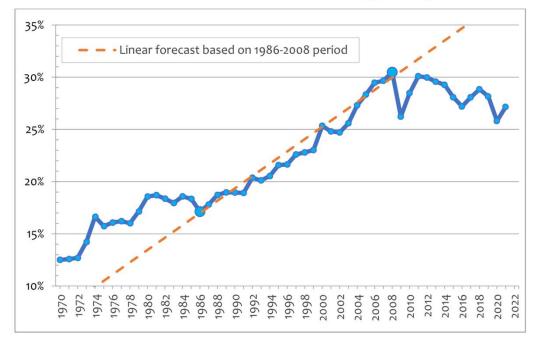
Geopolitical tensions

Inflation/Debt crisis

An historical precedent: pre-modern globalization and the bronze age collapse



Slowbalization



World Trade over World GDP (1970-2021)

Source: World Bank's World Development Indicators (link)

Hyper-realism / neo-unilateralism

Presumes inevitable conflict among countries (zero-sum game) Increasing dominant view in many capitals (trade wars, economic sanctions, friend-shoring) Reflected in unilateral measures adopted (e.g., CBAM)

Very grim prospects for global cooperation at times when it is most needed

Is this really the only way forward? Will trade wars and economic sanctions become a permanent feature of international trade and finance?

Ensuring national security in the absence of a global enforcer does not necessarily imply a world of conflict and minimal economic interdependence

How to rescue globalization? – Less is more!

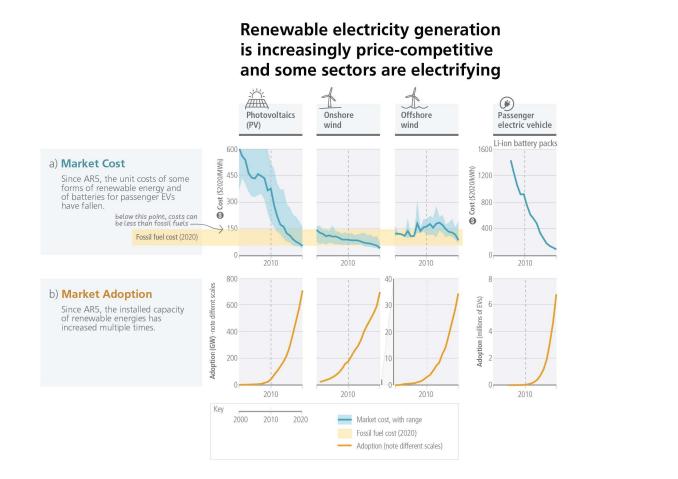
Rebalancing the prerogatives of nation-states and the requirements of an open economy

Domestic policy space. Prioritizing domestic agenda and stability, i.e., restoring social contracts, is not inimical to open economy – it is in fact essential to it (i.e., reviving the spirit of the Bretton Woods era)

Trade. Permissive rules on IP (subsidies) and IPRs, and right to protect own standards/regulations/tax regimes

Finance. Diversity in financial regulation and capital controls

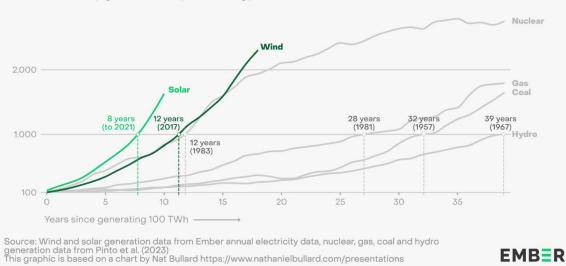
National security. "Small yards and high fences" but for real



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UNICTAD

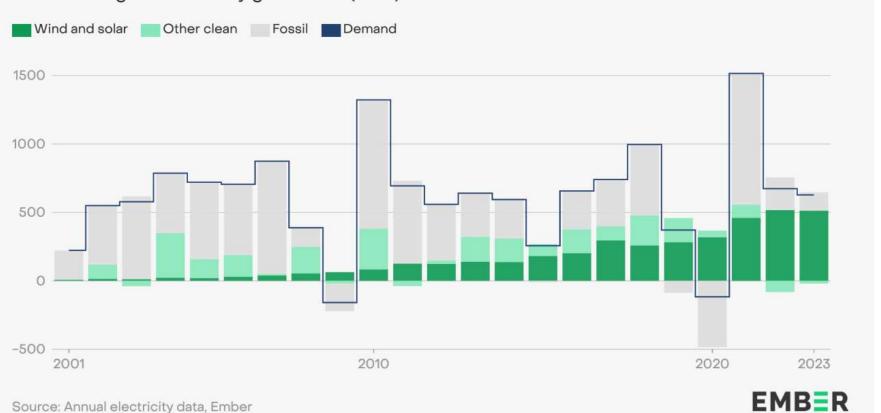
Wind and solar have scaled up faster than any other sources of electricity in history



Global electricity generation, by technology (TWh)



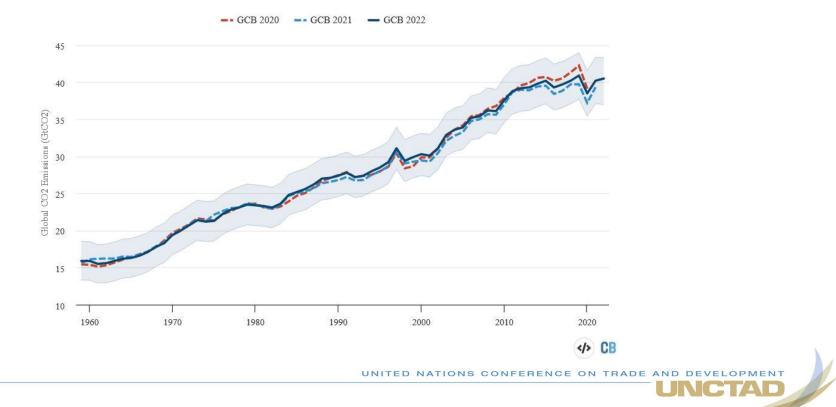
Growth in wind and solar met 82% of the global electricity demand rise in 2023



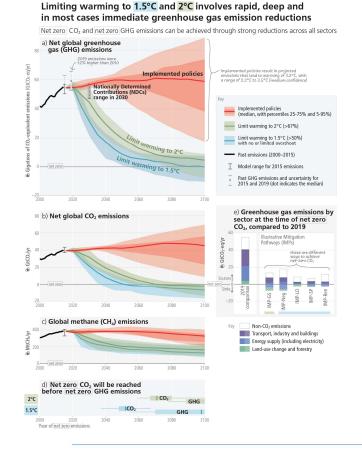
Annual change in electricity generation (TWh)

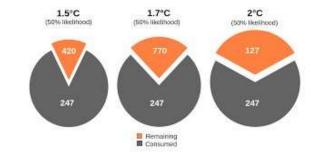
Reality check

Global CO2 emissions (fossil and land use) from the past three Global Carbon Budgets









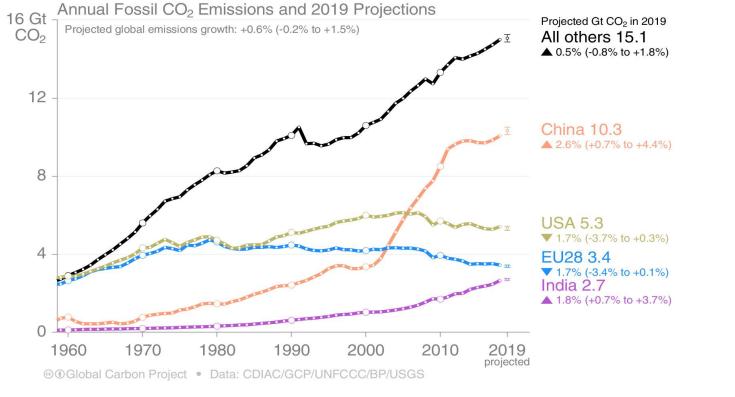
Far from the target!



Why are we not making enough progress?

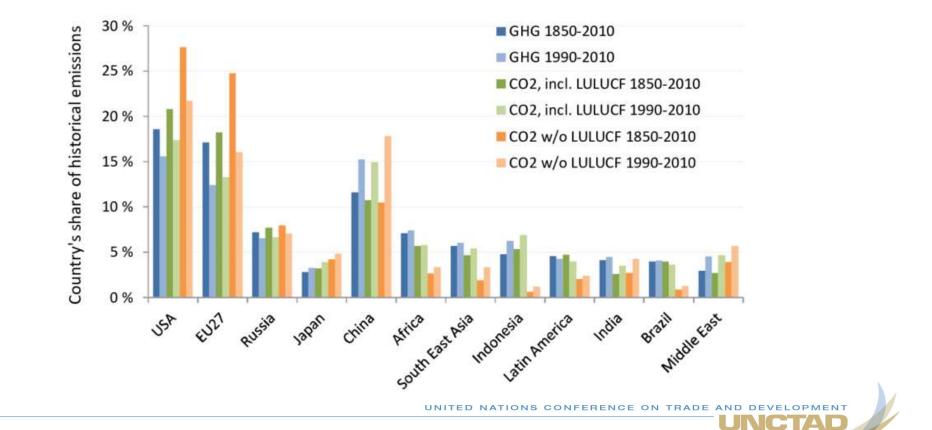
- Technology: functions in the economy, like producing **critical materials** required to embody our inventions, that do not depend on electricity and for which we still do not have a viable green alternative. Aluminum, ammonia, cement and steel: under BAU we'll need more, extremely difficult to replace and carbon intensive.
- Market: relative prices not enough, anticipated returns are not yet comparable to those of fossil fuels (price volatility related to unbundling of electricity mkts)
- Structural: changing the sources of energy production from fossil fuels to wind and solar will impact trade, industry, government finance, and the labor force (e.g. India, Indonesia..)...need to build new economies...
- Political economy: early retirement of capital stock (200 gigawatts of fossil fuelbased electricity-generating) and distribution of resources (e.g. Mpumalanga, Alberta, Yasuni...)

And geography....(where emissions are growing?)



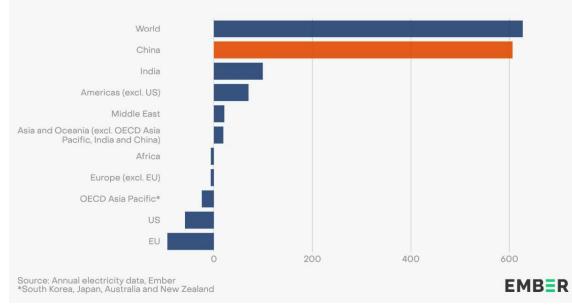
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Second-hand smokers



Development and electricity demand

China was the main driver of global electricity demand growth, while the EU and US saw sharp falls



Change in electricity demand in 2023 (TWh)

	Low Growth	High Growth
High per-capita energy consumption	G7: US, Europe, Japan	China
Low per-capita energy consumption	Sub-Saharan Africa	India



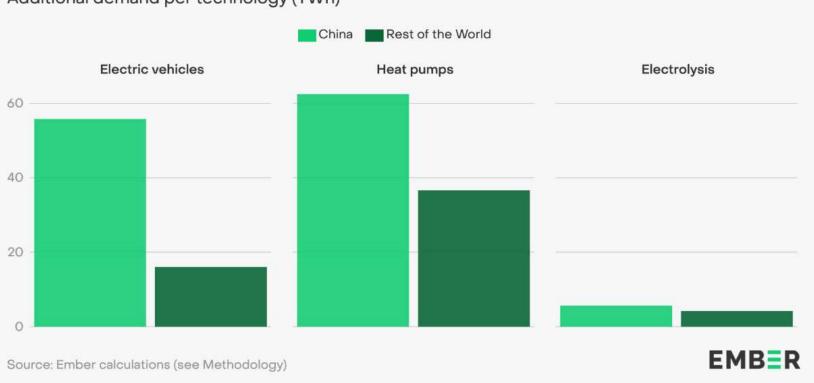
More than half of the global additions in wind and solar generation came from China in 2023

Annual additions of electricity generation from wind and solar (TWh)

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China deployed key low-carbon technologies far more quickly than the rest of the World combined in 2023





Additional demand per technology (TWh)

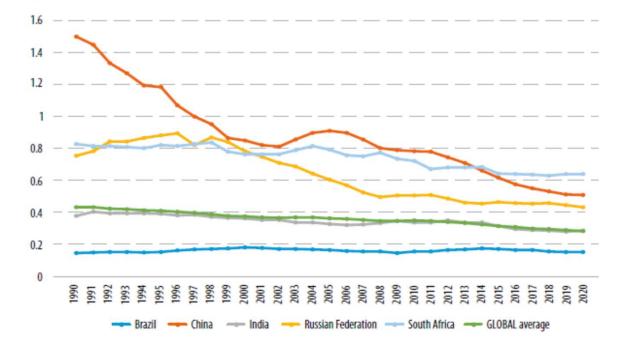


Figure 3.3: Change of Emissions Intensity of BRICS

Data source: EDGAR.

What we need to do

We need to think about energy transition less in terms of carbon mitigation and more in terms of overcoming hurdles to economic transformation.

Need (broader) policy solutions. Greening our economies it's not simply about carbon taxes or mkt incentives, the real issue is economic development...jobs and food matter...to achieve transformation process must be ' socially desirable '.

A **Green Industrial Policy** incorporates "any government measure aimed to accelerate the structural transformation towards a low-carbon, resource-efficient economy in ways that also enable productivity enhancements".



What we need to do: 3 dimensions

- National: Strategic approach with targeted measures beyond market-based approach to internalize externalities (e.g., FITs and TGCs)
- **Global:** reform trade system (ToT, subsidies, unilateralism, e) and financial resources to compensate the population for the lost opportunities and finance the cost of energy transformation (e.g., Yasuni-ITT initiative)
- **Regional:** More integration to reduce risk related with critical minerals volatility (LR, SR), diversify the energy matrix (renewables) and increasing bargaining power (OPEC)



CBAM and the BRICS

Figure 3.4:Share of EU and Intra-BRICS in Global Exports of BRICS in CBAM-Impacted Products

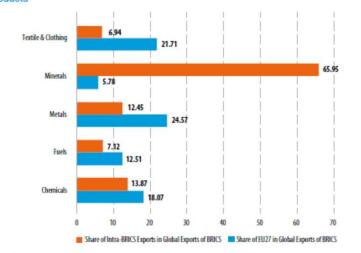


Table 3.1: Changes in exports of energy intensive products, percent

	CBAM \$ 44	CBAM \$88
Brazil	-1.49	-2.78
China	-1.98	-3.52
India	-2.91	-4.72
Russian Federation	-4.27	-7.69
South Africa	-4.51	-7.59
BRICS	-15.16	-26.3

Source: UNCTAD, 2021.

Source: World Integrated Solutions (WITS), COMTRADE.

