Green Growth in Action at the World Bank

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A defining challenges of the 21st century
Challenge of sustainability

Can we grow by enhancing the environment, rather than degrading it?
ENORMOUS PROGRESS MEASURED BY HUMAN AND PHYSICAL CAPITAL

Plummeting Child (<5 years) Mortality Rates

- Share surviving first 5 years of life (%)
- Share dying in first 5 years (%)

Rising Literacy

- Literate world population
- Illiterate world population
PROGRESS IN HUMAN AND PHYSICAL CAPITAL

Declining Poverty Rates

- Share of the population living in extreme poverty
- Poverty Gap

Declining Transport and Communication Costs

- International calling costs (relative to 1930)
- Passenger air transport cost (relative to 1930)
- Sea freight cost (relative to 1930)
ALL MEASURES OF NATURAL CAPITAL IN SECULAR DECLINE

Air

Land

Water
CLIMATE CHANGE – PLANET’S VITAL SIGNS DETERIORATING

**Carbon Dioxide**
- DIRECT MEASUREMENTS: 2005-PRESENT
- Source: Monthly measurements (average seasonal cycle removed)
- Credit: NASA

**Global Temperature**
- GLOBAL LAND-OCEAN TEMPERATURE INDEX
- Data source: NASA's Goddard Institute for Space Studies (GISS)
- Credit: NASA/GISS

**Arctic Sea Ice**
- AVERAGE SEPTEMBER EXTENT
- Data source: Satellite observations
- Credit: NSIDC/NASA

**Ice Sheets**
- ANTARCTICA MASS VARIATION SINCE 2002
- Data source: Ice mass measurement by NASA’s GRACE satellites
- Gap represents time between missions
- Credit: NASA

**Sea Level**
- GROUND DATA: 1870-2013
- Data source: Coastal tide gauge records
- Credit: CRMS

**Changes**

<table>
<thead>
<tr>
<th>Metric</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Carbon Dioxide</strong></td>
<td>↑ 414 parts per million</td>
</tr>
<tr>
<td><strong>Global Temperature</strong></td>
<td>↑ 2 °F since 1880</td>
</tr>
<tr>
<td><strong>Arctic Sea Ice</strong></td>
<td>↓ 12.85 percent per decade</td>
</tr>
<tr>
<td><strong>Ice Sheets</strong></td>
<td>↓ 427 Gigatonnes per year</td>
</tr>
<tr>
<td><strong>Sea Level</strong></td>
<td>↑ 3.3 millimeters per year</td>
</tr>
</tbody>
</table>

Source: NASA GISS
DRYING TREND HAS INCREASED
(by > 200% in some regions)

Percentage of land with significantly:

- below average rainfall
- above average rainfall

Year

% of land
WATER QUALITY (SDG 6.3) IN DECLINE IN COUNTRIES RICH AND POOR ALIKE
Deliver development that is sustainable and just.

- “Just transformation” that is green
- “Green transformation” that is just
Not taking into account this interdependence leads to unbalanced development

**Interrelated set of global challenges**

**People**
- Poverty eradication
- Social protection, inclusion and gender
- Jobs, education and health
- Fragile & conflict affected situations

**Planet**
- Climate resilience
- Decarbonization
- Natural capital conservation
- Biodiversity
- Natural resource management

**Economy**
- Robust recovery and growth
- Debt sustainability
- Pandemic preparedness
- Clean technology
- Governance
- Sustainable industries
THE WORLD BANK IS TRANSFORMING

A NEW VISION & MISSION

Our vision is to create a world free of poverty on a livable planet.

Our mission is to end extreme poverty and boost shared prosperity on a livable planet.
ACHIEVE THIS AIM – BY GREENING SECTORS THROUGH

DIAGNOSTICS AND ANALYTICAL WORK

COUNTRY ADVISORY SERVICES

LENDING (‘OPERATIONS’)
CONCLUSION

- Path to Development on a Livable Planet: *policies, capacity building, knowledge, and partnerships, as embraced by KGGTF.*

- **Investment financing alone will not be sufficient** for developing countries to embark on a sustainable development path.

- **Crucial Role of Global Partnerships:** Forging partnerships across the globe for knowledge sharing and capacity building is essential to conquer the defining challenges of the 21st century.
Thank you