

LOW CARBON DEVELOPMENT

Experience at the World Bank and ESMAP

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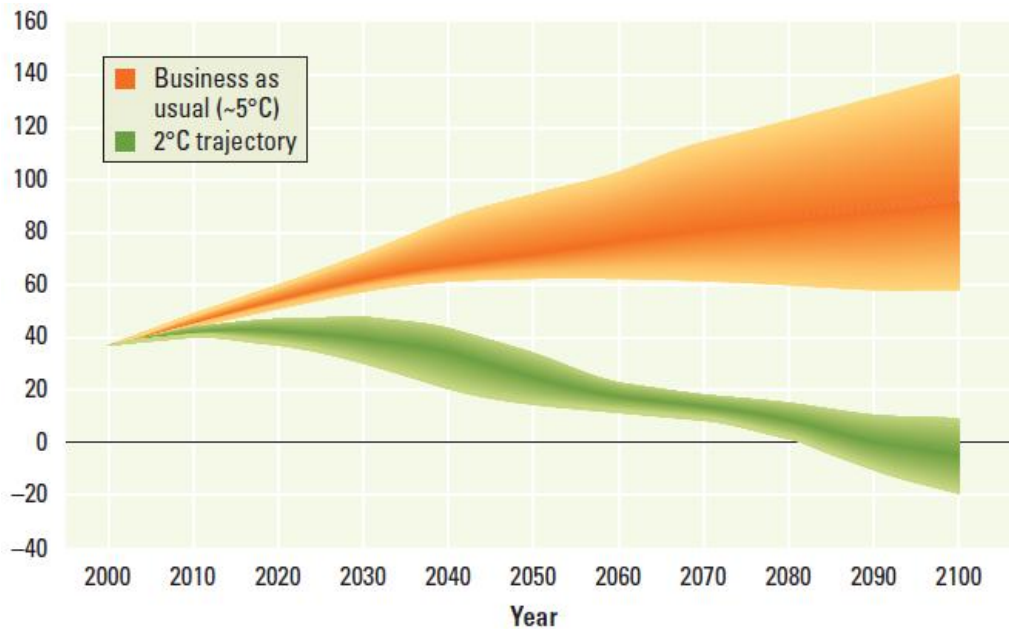
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Low Carbon Approach

All countries must act now (but differently) to mitigate emissions or the 2°C trajectory is out of reach

Projected annual total global emissions
(billion tons of CO₂ equivalent)



Low Carbon Studies

- ✓ Tailored to local context
- ✓ Worked across sectors
- ✓ Looked at a country's development objectives
- ✓ Asked: Is there a low carbon option? Where is the GHG mitigation potential?
- ✓ Considered barriers and trade-offs
- ✓ Determined how to lower carbon footprints to 2030 economically
- ✓ Assessed financing needs and other requirements
- ✓ Need strong commitments and new technology, finance and capacity to implement plans

Country Engagement



★ ONGOING
Pilot low carbon development studies

★ EMERGING INTEREST
New studies



Proven Experience: Piloted Approaches, Methodologies, Tools

Important Experience & Lessons

- Strategies for engagement
- Building ownership and capacity
- Pioneering new approaches, methodologies and tools
- Helping to identify and weigh investments
- Mobilizing finance

New Modeling Tools

- E-learning, game and help facilities for EFFECT
- User interface for MACC Tool
- New approaches to link top down and bottom up models

Knowledge Products & Dissemination (with World Bank Institute)

- Knowledge briefs (country studies, key lessons)
- HOW and train-the-trainer events
- Knowledge sharing (internal and external fora)



Lessons from Early Engagement

- Near-term low carbon action is technically feasible at low cost
 - Important to get long life changes right
 - Direct and indirect impacts on policy

- Many barriers for rapid or large scale up
 - Regulatory, institutional, market, behavioral

- Large volumes of incremental investment finance and incentives may be needed

- Building planning capacity and consensus are critical
 - Data and MRV



Ideas for Collaboration

- ✓ Support must be sustained and at the right scale

COUNTRY LEVEL

- ✓ Low carbon assessment and planning
- ✓ Implementation of low carbon plans
- ✓ Data input and MRV framework for results
- ✓ Dealing with dual challenges of mitigation and adaptation

LEARNING FROM OTHERS

- ✓ Sharing tools, approaches and experience (CoP)
- ✓ Sharing results
- ✓ South-south knowledge exchange (process and outcomes)
- ✓ Checking the success of earlier low carbon studies