

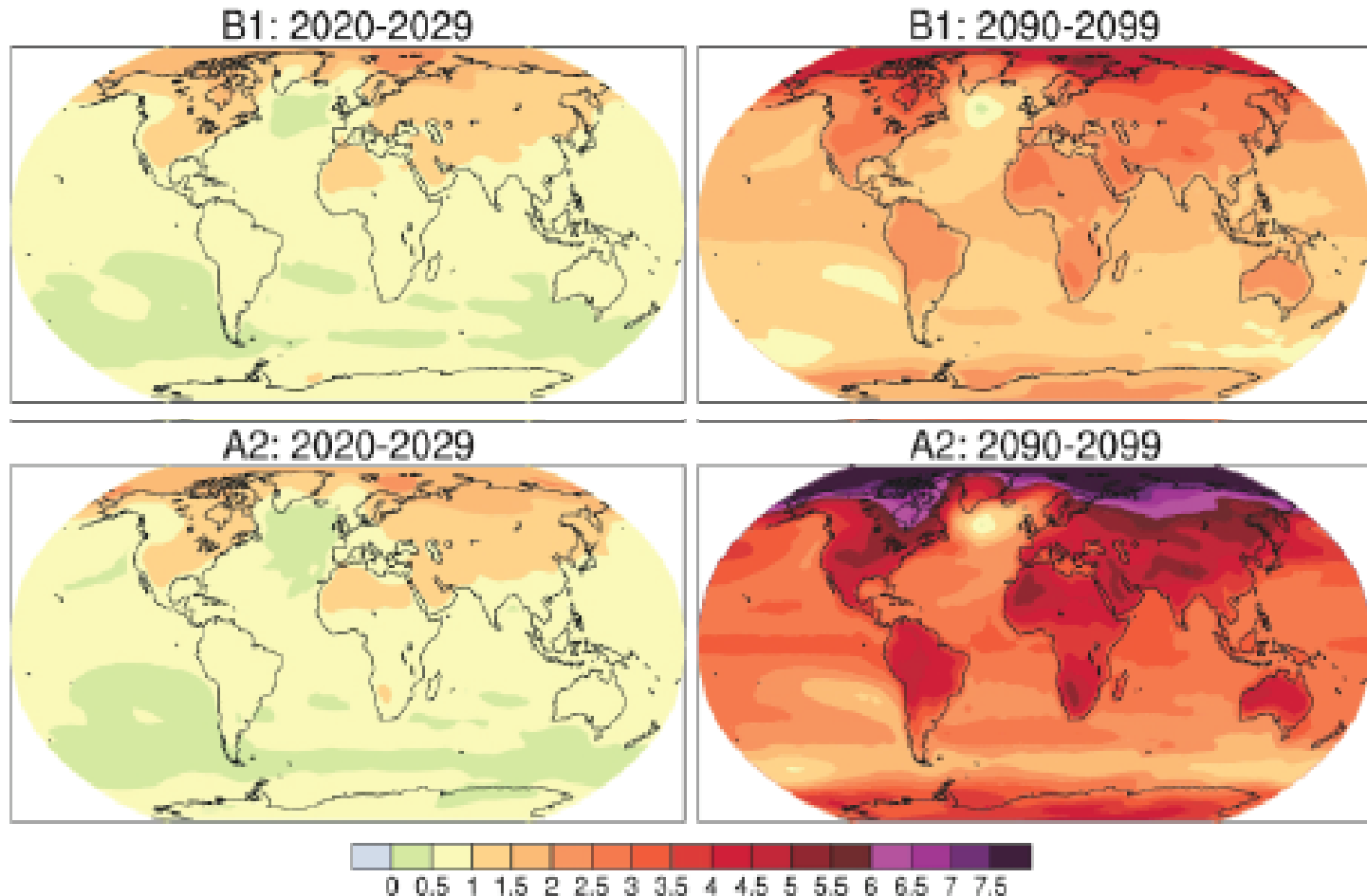


Joint SBI/SBSTA Forum on the Impact of the Implementation of Response Measures

Jonathan Pershing, USA

December 2011

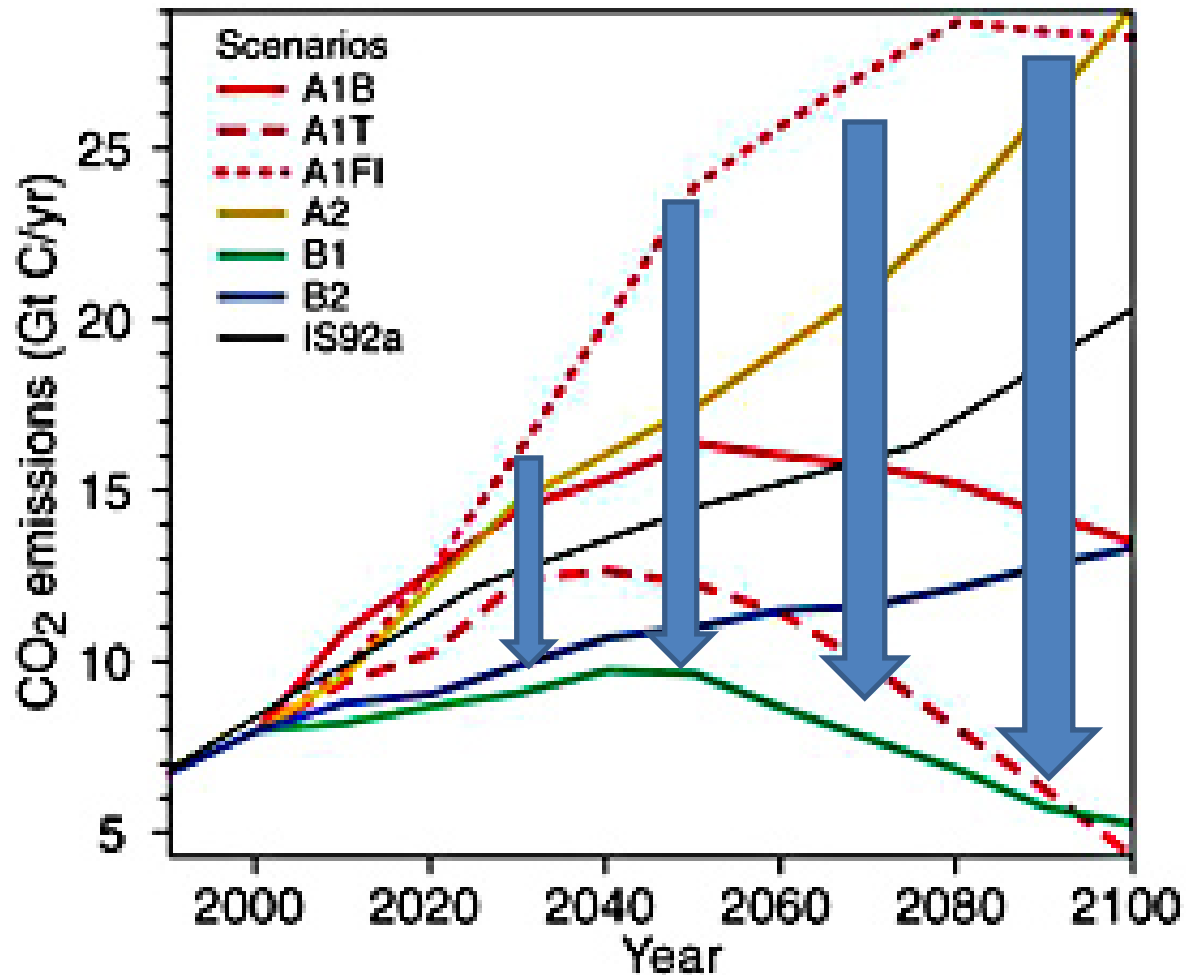
The Context for Response Measures



Source: IPCC, 2007

Mitigation

GHG Emissions must be reduced

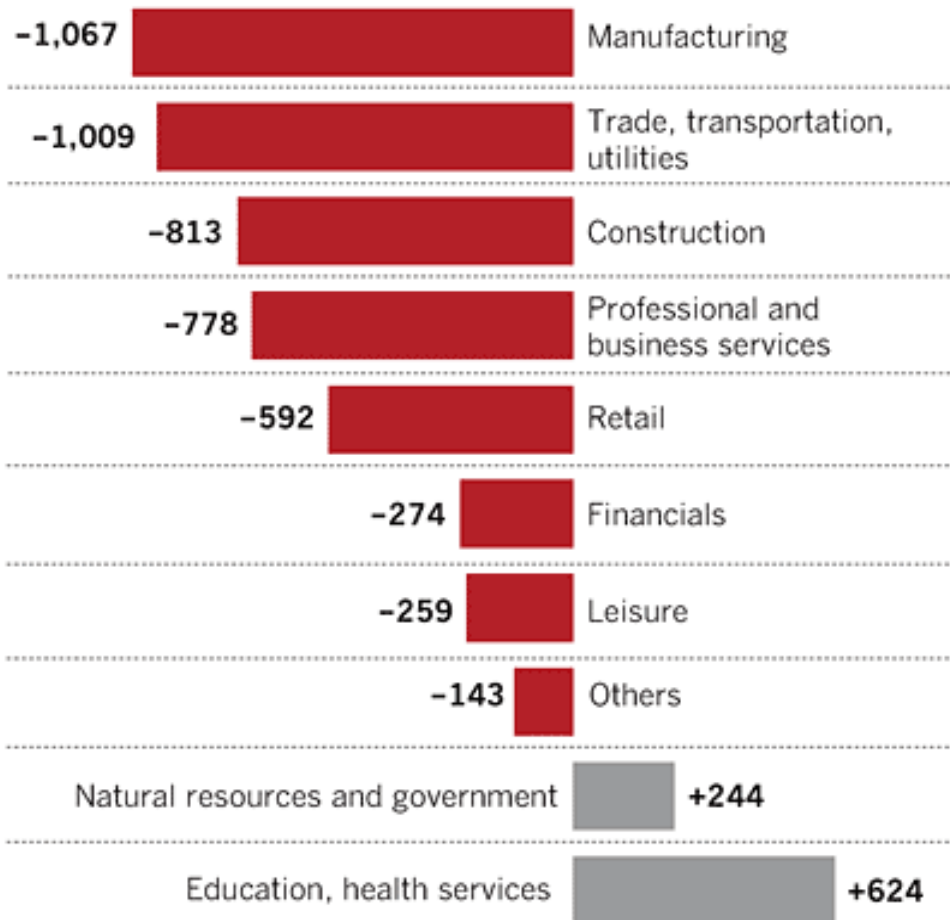


Lessons from the US National Experience

- A whole of government approach
- Emphasis on education
- Emphasis on state and local initiatives
- Economic diversification
- Social safety nets and a just transition

Total of job gains and losses from December 2007 through January 2009

(Jobs in thousands)



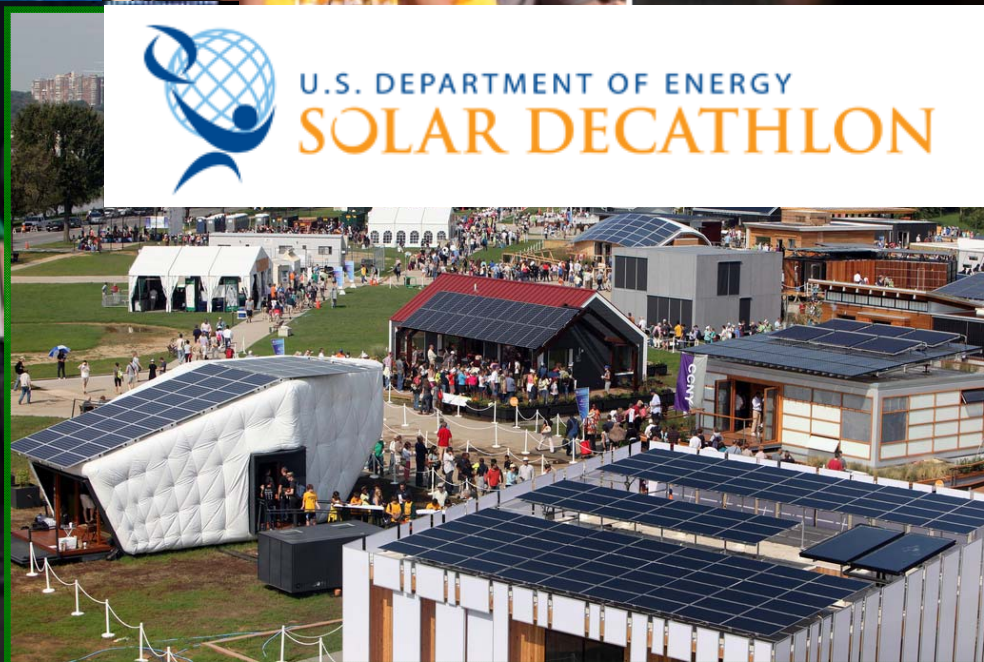
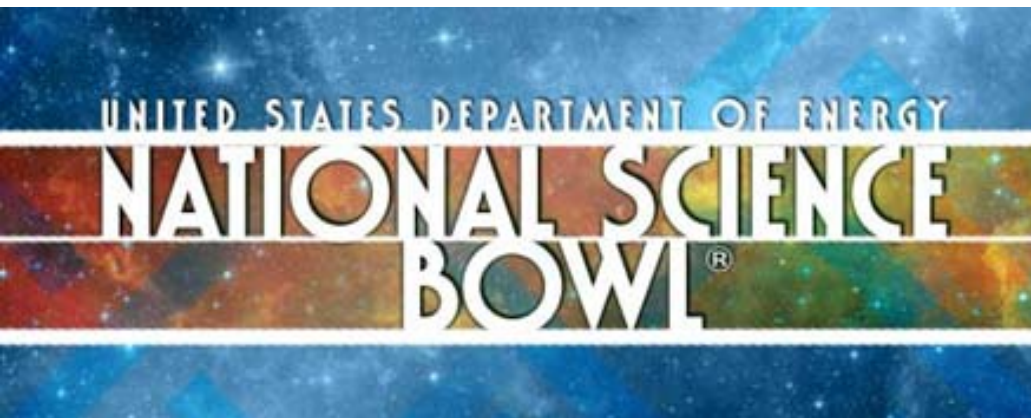
Jobs Lost in the US Economy

Source: US Department of Labor

Preparing students for jobs in a more sustainable economy

Sept, 2010: Department of Education hosts “Sustainability Education Summit” bringing together leaders from higher education, business and industry, labor, government and NGOs to build shared visions and strategies for education’s role in building a more sustainable economy.

Using Educational Challenges to Ignite Interest in Sustainable Technology



Other Education Activities

- Commitment to train 100,000 new science, technology, engineering and math teachers over 10 years
- Created training and research internships for teachers and students at DOE national laboratories
- Established the Advanced Research Projects Agency for Education (ARPA-ED) to drive educational innovations
- Expanded private-public partnerships to improve training and inspire students – including girls– to excel in math and science

Preparing Workers to Participate in the Transition

The U.S. Department of Labor programs provide employment assistance and job training to individuals transitioning into jobs associated with a more sustainable economy



Department of Energy Initiatives

The Better Buildings Initiative focuses on sustainable job opportunities in the commercial building sector as well as improving federal and local policies and enhancing access to information, financing, and tax incentives.

DoE partnered with National Institute of Standards and Technology to enhance training and education programs for the commercial energy efficiency workforce through a pilot program on areas such as energy auditing and buildings operations.

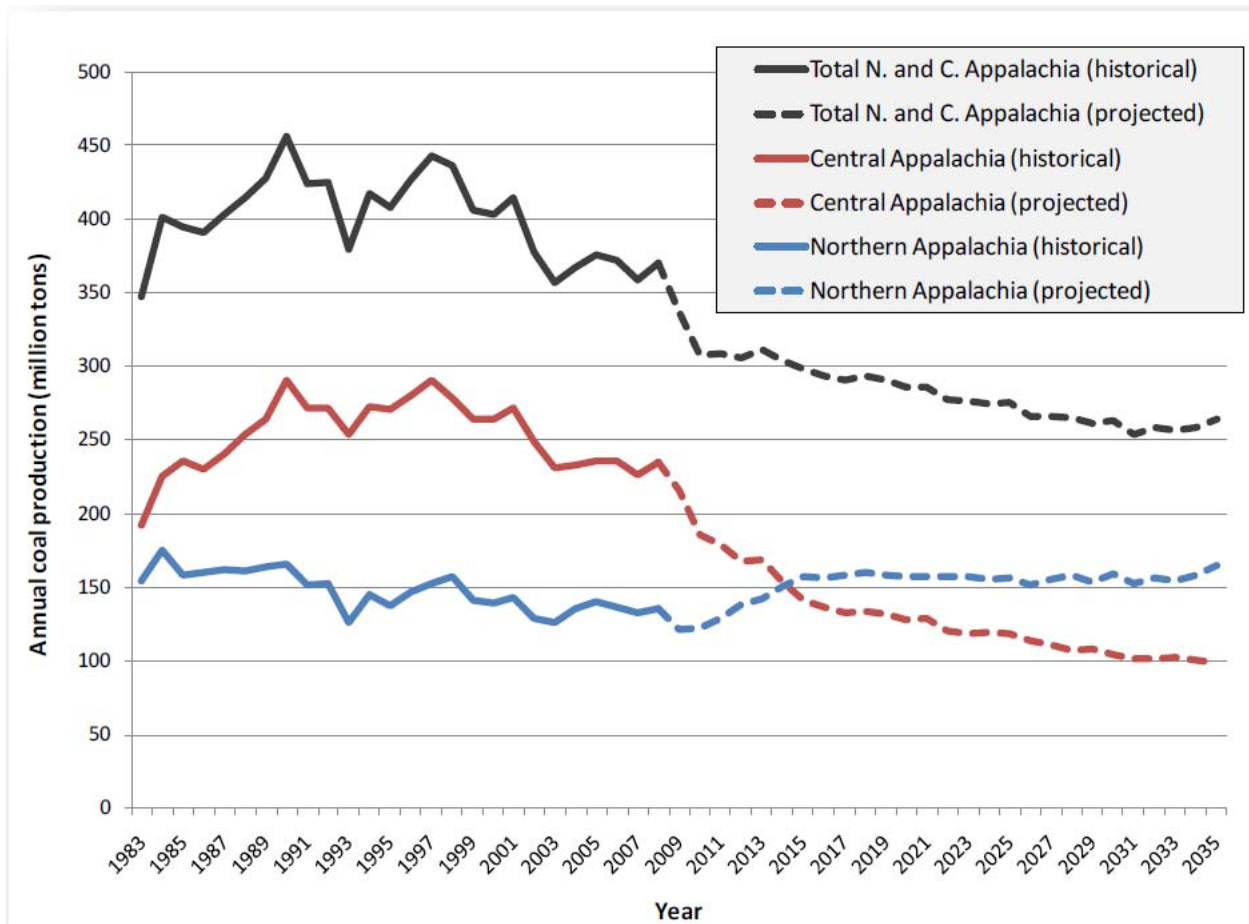


Building Replicable Models that Meet Local Needs

- The Department of Education works with states to encourage the development of replicable education models that will support a more sustainable economy.
- Defining academic knowledge and vocational skills and designing relevant programs of study for students to prepare themselves for new jobs in architecture, agriculture, energy, transportation and waste management.
- Each state builds models that fit needs. (e.g., Oregon focus on wind and solar energy).

Economic Diversification Can Help

West Virginia: Coal Production, 1983-2035



Source: The Decline of Central Appalachian Coal and the Need for Economic Diversification

Economic Diversification Can Help

West Virginia: Change in Employment, 1970-2007

<i>Agricultural services</i>	41.28
<i>Mining</i>	- 72.15
<i>Construction</i>	42.57
<i>Wholesale & Retail</i>	24.43
<i>Fin/Ins/RealEst</i>	261.36
<i>Service</i>	98.97
<i>Government</i>	33.96

Promoting a Just Transition for our Workforce

In transitioning to a more sustainable economy, seek to ensure:

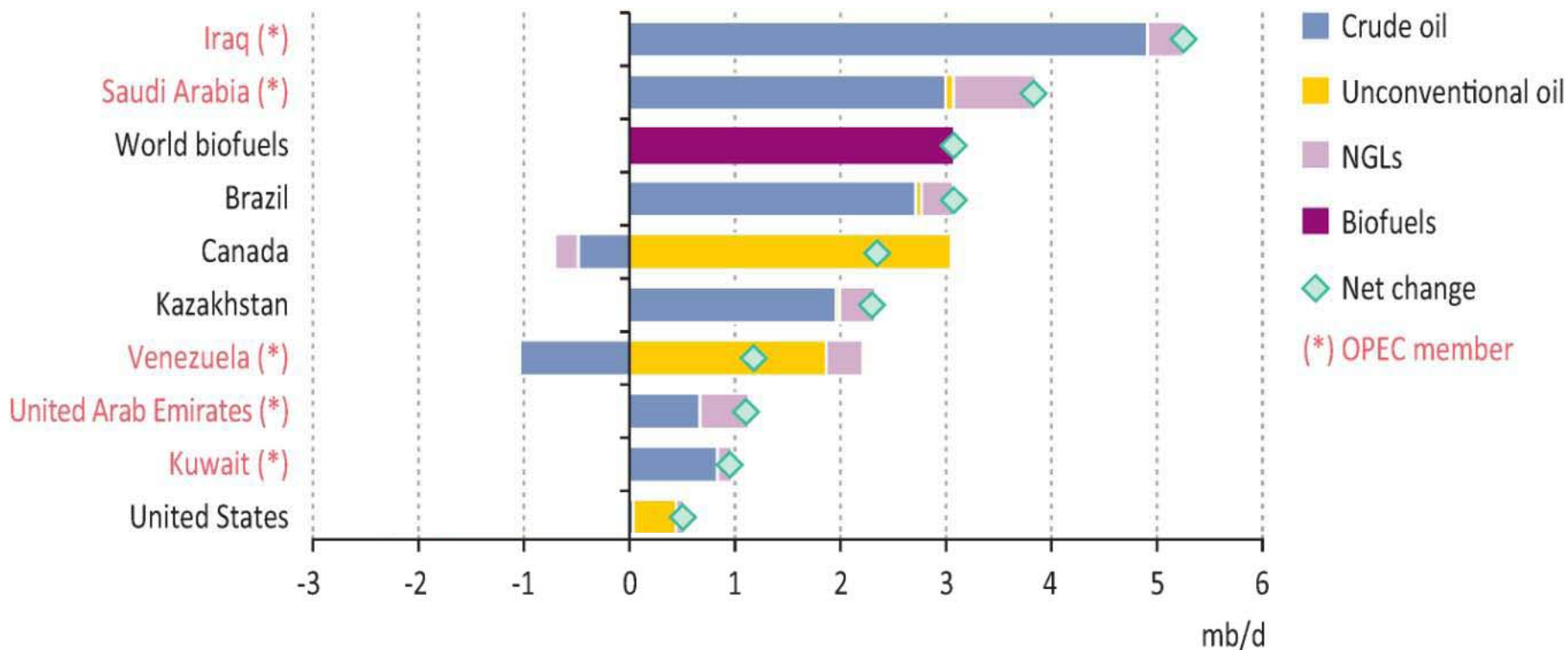
- Workers are able to share in benefits of transition, and are equipped with skills necessary to implement such a transition
- Respect rights of workers when implementing new policies and investing in new and emerging sectors
- Protect health and safety of workers in these sectors
- Provide social safety nets to help those dislocated by the shift to more environmentally sound consumption and production to prevent them from being impoverished and give them the resources to find new livelihoods

The International Context

- Current climate finance assistance (Fast Start) largely goes to assist countries with transition to a more sustainable economy.
 - Economic diversification
 - Training
 - Low emissions Development Strategies
- For most nations, the issue is NOT access to finance or capital, and for most oil exporters, demand for production continues to rise.

Even with more aggressive climate policies, oil exports continue to rise

Major changes in liquids supply in the New Policies Scenario, 2010-2035



Source: IEA, WEO, 2011

Largest sovereign-wealth funds

Assets, March 2011, \$bn



Source:
The Economist,
March 2011

Source: Sovereign Wealth Fund Institute

*Estimate

The
constraint,
particularly
for many
fossil fuel
exporters, is
not access to
financial
resources.

The UNFCCC Context

- Implementation of the Cancun decisions on Adaptation and Technology will provide additional support.
- Proposal: Use the Response Measures work program to create a dialogue under the UNFCCC to share national experiences and build collective and individual learning about efforts to transition to a more sustainable future.