# **Supporting Climate Action Plans to Accelerate Technology Diffusion**

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## The Need for Detailed Climate Action Plans

- Significant variation in country targets for 2020
  - ➤ US: 17% at 2005 level
  - China: 40-45% carbon intensity reduction at 2005 level
  - Australia: 25% below 2000 levels
  - EU: 20-30% compared with 1990 levels (pending similar commitments from other developed countries)
- Lack of compatible methods for comparing GHG emission targets makes substantive collaboration in technology diffusion difficult
- Targets without viable and detailed on-the-ground implementation plans



### What are effective climate action plans?

National or subnational climate action plans

Identify and assess cost-effective **technologies** and other solutions

Targets for mitigation & adaptation

Technology
and
Financing

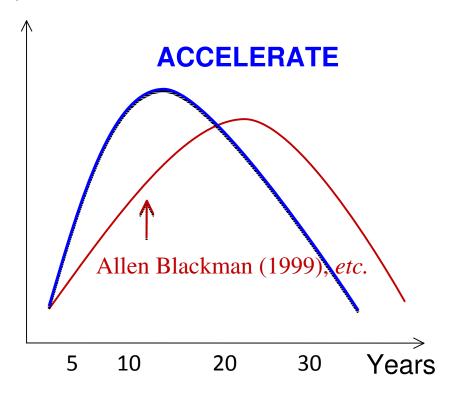
Assessment of economic impact of emission reducing policies

Achieve longterm GHG emissions reduction



#### Impact of Implementing Climate Action Plan

#### Tech diffusion Speed



### Serve as a catalyst to accelerate tech diffusion

- Speed
   Shorten years from demonstration to full commercialization
- Geographic scale
   expand scale and
   application across
   countries & regions



#### GEI's Approach to Policy in China

- Support effective policy-making to accelerate technology diffusion
- Serve as a platform for exchanging best practices and models
- Build cooperative relationships with governments, NGOs, research institutes, and the private sector





# GEI Collaboration with US-based "Center for Climate Strategies"

#### **Main Activities**

- Explore micro and macro-economic modeling tools to analyze climate policies
- ➤ Share visions and leverage expertise & resources
- Capacity building to design and implement climate action plans in China





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### Center for Climate Strategies Approach to Climate Action Planning

Importance of Stakeholder-based Process

Forecast baseline: GHG inventory Conduct micro & macro economic analysis of policy alternatives

Formulate a set of comprehensive sector-based recommended policy options

Identify economically feasible climate-friendly technologies and other solutions

### **MOVING FORWARD**

Domesticate analysis tools and tailor climate policies to national conditions

