



Center for  
Clean Air Policy

# Overview of CCAP's Efforts in China

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# Sectoral Approach: China Efforts

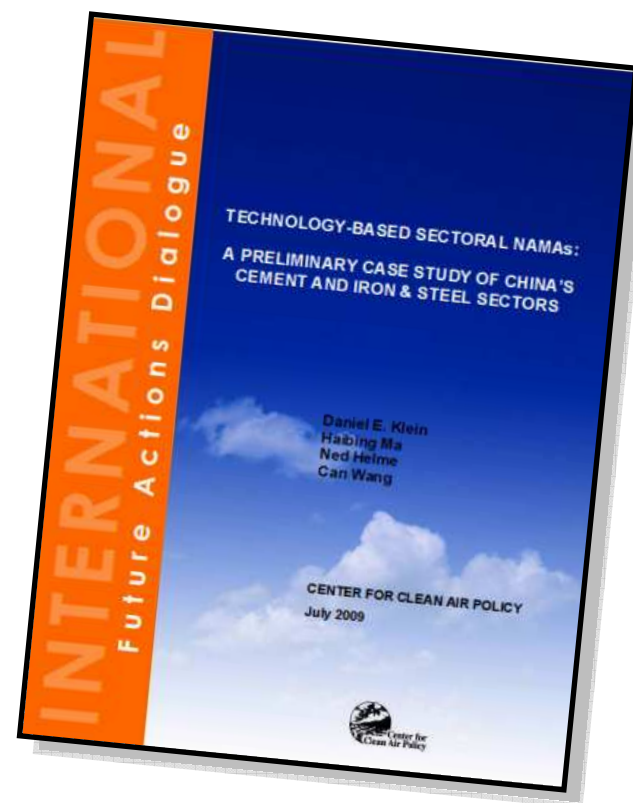
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- Collaboration with Tsinghua University since 2005
- Industry efforts
  - » Developing Country Mitigation Analysis (DFID)
  - » Sectoral approaches – Proof of Concept (EC)
  - » Electric power sector modeling (British Embassy)

# Technology-based Sectoral NAMAs

- Focus on technologies and penetration rates
  - » Sector-wide technology upgrades
  - » Accelerated retirements
  - » Advanced step-change Technologies
- Advantages
  - » Fits well with China planning process
  - » Easier to monitor and verify
  - » Easier for int'l financing
  - » Faster to implement
- Disadvantages
  - » Carbon price signal missing
  - » Overlooks other opportunities
  - » May lock in existing technologies
- Overall:
  - » A useful approach for some NAMAs
  - » Not theoretically optimal, but reasonably practical



# China Electric Power Modeling

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- » Work with Tsinghua University to extend power sector analytic capabilities.
- » Focus is on developing capacity planning tools that enable China to better evaluate options in this complex and interrelated sector.
- » Bottom-up Optimization Model for China's Electricity Sector (BOMCES)
  - 6 interconnected regions match China's 6 power grids
  - Technology-based resources to meet power demand
- » To be used for informing government and industry on power development options.