Technology Cooperation Agreement Pilot Project
Development-Friendly Greenhouse Gas Reduction

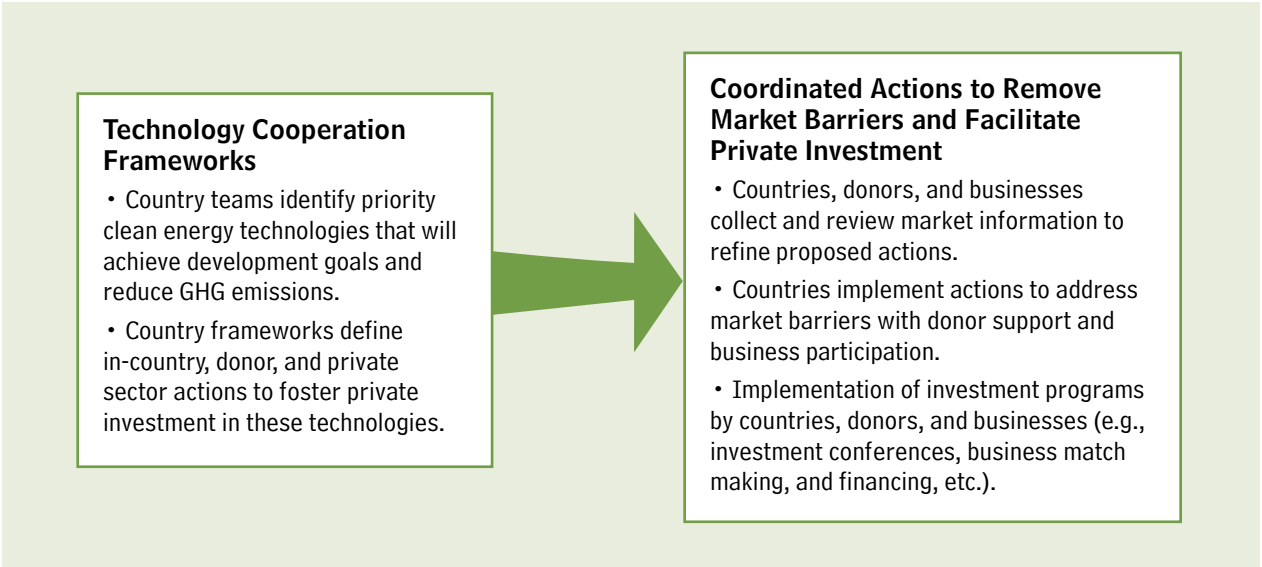
The Technology Cooperation Agreement Pilot Project (TCAPP) was launched by several U.S. Government agencies (USAID, EPA, and DOE) and programs (USCSP and USIJI) in August 1997 to establish a model for climate change technology cooperation with developing and transition countries. TCAPP is currently facilitating voluntary partnerships between the governments of Brazil, China, Kazakhstan, Mexico, and the Philippines, the U.S. and other OECD countries, international donors, and the private sector, on a common set of actions that will advance implementation of clean energy technologies. The five participating countries have been actively engaged in shaping this initiative along with international donors and the private sector. This program helps fulfill the U.S. obligation to support technology transfer to developing countries under Article 4.5 of the United Nations Framework Convention on Climate Change. TCAPP also provides a mechanism to focus resources across international donor programs on technology cooperation needs of developing and transition countries.

Goals

- Foster private investment in energy technologies that reduce greenhouse gas emissions and produce economic benefits for the country.
- Engage in-country and international donor support for actions to build sustainable markets for clean energy technologies.
- Establish technology cooperation agreements as an organizing structure for coupling in-country, donor, and private-sector climate change mitigation actions.

TCAPP Approach

TCAPP fosters a coordinated response by OECD countries, international donor organizations, and the international business community to the climate change technology cooperation needs of developing and transition countries through two basic steps. First, interagency teams in developing and transition countries establish frameworks that define their technology cooperation needs and the actions their government is ready to undertake in cooperation with donors and the private sector. Second, international donors and businesses support implementation of actions by the countries for reducing market barriers and directly facilitating private investment.



TCAPP Highlights

September 1998	Countries completed draft technology cooperation frameworks
September 1998	Established network of 100 international energy companies interested in working with country teams on investment initiatives
October 9, 1998	Meeting held with 30 international donor agency representatives to present frameworks and review opportunities for donor participation (Washington, DC)
March 1999	Market assessments completed and immediate investment opportunities identified by countries
June 1999	Investment conferences held in countries to kick off investment programs for priority technologies
September 1999	Countries secure domestic and donor support for initial actions to address market barriers

Examples of TCAPP Technology Priorities

Brazil, China, Kazakhstan, Mexico, and the Philippines have identified technology cooperation priorities that integrate greenhouse gas mitigation with other national goals. Below are examples from two countries.

The **Brazilian Ministry of Mines and Energy**, together with other agencies have used a consultative process to identify the following technology cooperation priorities:

- Energy Efficiency in Diesel Truck Cargo Transportation
- Direct Use of Natural Gas
- Renewable Energy in Rural Electrification
- Fuel Cells
- Other Energy Efficiency priorities still under consideration

The **Philippines Department of Energy**, in collaboration with other government agencies, the private sector, NGOs, and academic institutions, have identified the following priorities for technology cooperation:

- Renewable Energy for Rural Development
  - Photovoltaics
  - Wind Energy
- Energy Efficiency
  - Energy Efficient Industrial Boilers
  - Energy Efficient Appliances and Equipment
- Cross-Cutting Technology Support
  - RE/EE Technology Information Center
  - Policy Development

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Lead Agencies for TCAPP Country Teams:

Brazil	Ministry of Mines and Energy
China	State Development Planning Commission
Kazakhstan	Ministry of Energy, Industry and Trade
Mexico	National Commission for Energy Conservation
Philippines	Department of Energy

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