

U.S.-Climate Technology Cooperation Gateway



ABOUT U.S.-CTC GATEWAY

The U.S.-Climate Technology Cooperation Gateway (U.S.-CTC Gateway) is an online resource that provides access to information on programs, projects, resources, and actions that promote international technology cooperation. Supported by the U.S. Government, the U.S.-CTC Gateway highlights U.S.-sponsored activities that result in clear and measurable social, environmental, and economic benefits. This resource enables stakeholders to work together to accelerate development, deployment, and diffusion of clean technologies and practices that address global climate change.

MISSION

- Facilitate cooperation on climate technologies for mitigation and adaptation with developing countries and countries in transition consistent with U.S. responsibilities under the United Nations Framework Convention on Climate Change (UNFCCC)
- Provide an inventory of activities and resources sponsored and supported by the U.S. Government that promote the development, deployment, and diffusion of climate technologies
- Provide global access to relevant and useful information and resources on technologies and practices that reduce greenhouse gas emissions



GATEWAY RESOURCES

- **U.S. Government-supported Programs** that facilitate cooperation on international climate technologies
- **Case Studies** on successful climate technology partnering efforts
- **Technologies** and practices that reduce greenhouse gas (GHG) emissions, including: biofuels, building technologies, carbon sequestration, energy efficiency technologies, geothermal, hydropower, hydrogen, solar power, wind power, and climate technology financing
- **Regional Centers and Networks** that provide access to climate change information, experts, and technical resources to facilitate dialogue between decision-makers, educators, and the public
- **Tools, Databases, Worksheets, and Models** to help users analyze and implement actions to address global climate change including: how to measure, mitigate and monitor greenhouse gas emissions reductions at a facility, organization, project and/or sector level
- **Conferences and Workshops**

www.usctcgateway.gov



USAID
FROM THE AMERICAN PEOPLE



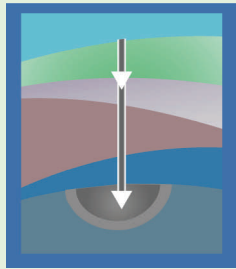
Program Highlights



Proposed U.S. Regulations for Geological Storage of CO₂

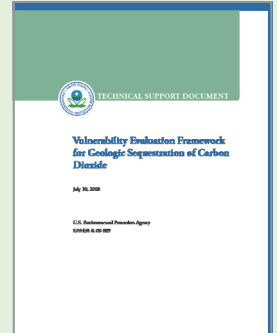
In July, the U.S. Environmental Protection Agency took initial steps toward a regulatory framework for geological storage (GS) of CO₂ by proposing new requirements under its federal Underground Injection Control (UIC) program. The regulatory authority for the program was established under the Safe Drinking Water Act (SDWA), which is focused on protecting drinking water supplies. The proposed rule will establish a framework for permitting CO₂ injection wells, but does not require any facilities to capture and/or geologically store CO₂.

The proposal will be revised to reflect information collected through public comments and any new data generated from ongoing projects and pilots. It is expected that final regulations will be published in late 2010 or early 2011. This adaptive approach will facilitate incorporation of current lessons learned into the final regulation.



Vulnerability Evaluation Framework for Geologic Sequestration of Carbon Dioxide

While geological storage (GS) is believed to be a safe and effective tool for climate change mitigation, it is important to understand potential impacts to human health and the environment that could result from GS activities. To this end, and to support the recently proposed GS regulation, the U.S. Environmental Protection Agency prepared a Vulnerability Evaluation Framework (VEF). The VEF is a first step toward a conceptual framework designed to aid regulators and other technical experts in framing key site-specific considerations that may require in-depth evaluation for GS project design, site-specific risk assessment, monitoring, and management. The VEF, which is based on a review of available literature, applicable technical knowledge, and consultation with experts, also supports EPA's efforts to communicate to the public on GS risk and risk reduction strategies.



To learn more about these carbon sequestration efforts, visit www.usctcgateway.gov and click on "Technologies/Carbon Sequestration"



The Private Financing Advisory Network (PFAN)

The Private Financing Advisory Network (PFAN) is a new, innovative public-private partnership supported by USAID, the U.S. Department of State, the International Energy Agency's Climate Technology Initiative, the International Center for Environmental Technology Transfer in Japan, and five private sector companies including the LaGuardia Foundation, FE Clean Energy and Pan Pet Ltd. This partnership accelerates deal making in the clean energy sector by connecting small and mid-size clean energy project developers in developing countries with international financiers and financial consultants to make climate-friendly energy projects viable and attractive to triple bottom-line investors. Approximately \$500,000 of U.S. government funding will leverage between \$255 - \$550 million in private sector financing for 30 - 45 clean energy projects over the next three years.

PFAN imposes no direct additional costs to the project developer as the PFAN partners share costs for financial and transaction advice. Starting from the early proposal stages, PFAN provides step-by-step financial consulting and advisory services to help project developers to develop their idea and to speak the same language of private sector financing communities. For financiers and consultants, PFAN enables them access to small and medium-sized clean energy markets and deal flows that they wouldn't normally have access to because of high transaction costs and risks. During the pilot phase, nine (9) projects were selected to receive PFAN support, including a small hydroelectric power station in Mexico and a bio-diesel refinery in Brazil. Over a dozen new projects are currently undergoing an initial review and analysis with a view to bringing them into the development pipeline.

Over the next few months, PFAN will begin expanding their global network to include regional hubs for Latin America, Africa, Eastern Europe and Asia, with the objective of generating a pipeline of potential clean energy projects for each region.

To learn more about PFAN, visit www.usctcgateway.gov and click on "Programs"

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