Carbon Sequestration Project Portfolio

2005

Introduction and Program Contacts

Technical Contacts

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2005 Technology Roadmap

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  - O_2 Firing in Fluidized Beds, ALSTOM
  - Flue Gas Recirculation, ANL
  - Conceptual O_2 Boiler, Foster Wheeler
  - Advanced Oxyfuel Boilers, Praxair
  - CO_2 Capture Project (CCP), BP
  - Carbon Management Technologies, CMU
  - Direct Fuel Cell, FuelCell Energy
  - Polymer Membranes, LANL, INEEL
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  - Natural Analogs for Geosequestration, ARI
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  - MIDCARB, Univ. of Kansas
  - NATCARB, Univ. of Kansas
  - Instrument for Monitoring Atm. CO_2, CalTech
  - Carbon Management GIS for the U.S., MIT
  - Non-invasive Soil Carbon Scanning System, BNL
  - Tools for Carbon Sequestration, Nature Conservancy
  - Assessing C Pools in Reclaimed Mine Soils, OSU
  - Sequestration in Ohio Reclaimed Mine Soils, OSU
  - Applied Terrestrial Sequestration, LANL
  - Sea Floor Survey of the Sleipner Field, UCSD
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    - Black Warrior Basin, AGS
    - Physics and Chemistry, NETL
    - Adsorption Behavior, OK State Univ.
    - Controlling Coal Permeability, ORNL
    - Texas Low-Rank Coal, TX Eng. Exp. Stat.
    - Devonian Black Shale, Univ. of KY
    - Ohio River Valley, Battelle
    - Gas/Water/Rock Interactions, NETL
    - Optimal Geological Environments, UTexas
    - CO_2 Sequestration in Basalt Formations, PNNL
  - *Terrestrial*
    - Enhancing Sequestration Reclamation, ORNL, PNNL
    - Reclamation of Mine Lands, SFA University
    - Carbon Capture & H_2O Emissions Treatment, TVA
    - Surface Mine Lands, Univ. of KY
    - Restoring Appalachian Mined Lands, Virginia Tech
  - *Ocean*
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  - Advanced CO_2 Cycle Power Generation, FW
  - Biocatalysis, Univ. of Georgia
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  - H_2 Silica Membranes, Univ. of Minnesota
  - Membranes for Controlling CO_2, Univ. of NM
  - Ionic Liquids, Notre Dame
  - Photosynthetic Systems, Ohio Univ.
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  - Recovery & Sequestration of CO_2 by Photosynthesis of Microalgae, Physical Sciences

Small Business Innovation Research Program (SBIR)
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- Project Fact Sheets
  - Amine Sorbents, Advanced Fuel Research
  - CO_2 Capture from Large Point Sources, CMS
  - MEA-Based CO_2 Capture Schemes, Trimeric
  - Measuring Soil Carbon Content, X-Ray Instrumentation
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