AGENCY: DOE
COUNTRY: USSR
SUBJECT: Energy (Nuclear)
EIF DATE: 06/01/90 TERM DATE: 06/01/95
REMARKS: Cooperation in peaceful uses of atomic energy; provides for cooperation thru MOC in magnetic confinement fusion, fast breeder reactor safety, fundamental properties of nature, civilian reactor safety. DOE Record No. 276. Funding not specified.

AGENCY: DOE
COUNTRY: USSR
SUBJECT: Energy
EIF DATE: 06/01/90 TERM DATE: 06/01/95
REMARKS: Revised agreement signed by Presidents Bush and Gorbachev at June 1990 summit. Original agreement signed in 1973. Includes several MOC's, including a subsidiary MOC in the fields of environmental restoration and waste management (signed in September 1990.) Strengthens long-standing framework for research in magnetic confinement fusion, fast breeder reactor safety, the fundamental properties of matter, and civilian nuclear reactor safety. Funding not specified.

DEPARTMENT OF HEALTH AND HUMAN SERVICES

AGENCY: HHS
COUNTRY: Australia
SUBJECT: Biomedical Sciences
EIF DATE: 08/01/76 TERM DATE:
REMARKS: Termination date: Indefinite. NIH National Library of Medicine MEDLARS Agreement with the National Library of Australia. Quid pro quo interlibrary exchange. Funding not specified.

AGENCY: HHS
COUNTRY: Austria
SUBJECT: Biomedical Sciences
EIF DATE: 04/14/87 TERM DATE: 04/14/92
REMARKS: Agreement between NIH and Austrian Science Foundation for the support of biomedical scientist exchanges. Funding not specified.

AGENCY: HHS
COUNTRY: Austria
SUBJECT: Nuclear Safety
EIF DATE: 11/27/89 TERM DATE: 11/27/94
REMARKS: Source Term Research and Application with OEFZS. Funding not specified.

AGENCY: HHS
COUNTRY: Brazil
SUBJECT: Biomedical Sciences
EIF DATE: 01/01/77 TERM DATE:
REMARKS: Termination date: Indefinite. NIH/National Library of Medicine MEDLARS Agreement with Centro Latino-Americano de Informaciao em Cienceas de Salude (BIREME); quid pro quo interlibrary exchanges. Funding not specified.

AGENCY: HHS
COUNTRY: Bulgaria
SUBJECT: Biomedical Sciences
EIF DATE: 05/18/90 TERM DATE: 05/18/93
REMARKS: Original agreement (11/04/86) was renewed in 1990 for 3 years. Agreement between NIH and Bulgarian Medical Academy for support of biomedical scientist exchanges under the umbrella US-Bulgaria Exchanges Agreement. Funding not specified.

AGENCY: HHS
COUNTRY: Canada
SUBJECT: Biomedical Sciences
EIF DATE: 07/30/70 TERM DATE:
REMARKS: Termination date: Indefinite. NIH/National Library of Medicine. MEDLARS Agreement with Canada Institute for Scientific and Technical Information (CISTI); quid pro quo interlibrary exchange. Funding not specified.

AGENCY: HHS
COUNTRY: Canada
SUBJECT: Health Statistics
EIF DATE: 01/01/87 TERM DATE:
REMARKS: Termination date: Indefinite. Cooperation between the CDC National Center for Health Statistics and Vital Statistics Council for Canada; Statistics Canada Advisory Commission on health statistics. Funding not specified.

AGENCY: HHS
COUNTRY: China
SUBJECT: Biomedical Sciences
EIF DATE: 06/22/79 TERM DATE: 06/21/93
REMARKS: Under Annex I, Health Protocol: Collaborative Cance Research between NCI and Chinese Academy of Med. Sci. Funding not specified.

AGENCY: HHS
COUNTRY: China
SUBJECT: Biomedical Sciences
EIF DATE: 01/01/89 TERM DATE: 01/01/93
REMARKS: MOU Agreement between CDC and the Chinese Academy of Preventive Medicine to establish a "sister institution" relationship. Funding not specified.

AGENCY: HHS
COUNTRY: China
SUBJECT: Biomedical Sciences
EIF DATE: 06/28/83 TERM DATE: 06/28/92
REMARKS: Original agreement renewed in 1989. Agreement between National Institute of Neurological Disorders and Stroke, NIH, and the Shanghai Brain Research Institute, Academy of Sciences. Funding not specified.

AGENCY: HHS
COUNTRY: China
SUBJECT: Biomedical Sciences
EIF DATE: 06/22/79 TERM DATE: 06/22/93
REMARKS: Cooperative Agreement under Health Protocol with Chinese Academy of Medical Sciences; cancer; cardiovascular diseases; infectious diseases; environmental health; human genetics; reproductive physiology; immunology; biomedical information science; food and drugs. Funding not specified.

AGENCY: HHS
COUNTRY: China
SUBJECT: Biomedical Sciences
EIF DATE: 03/14/91 TERM DATE: 03/14/98
REMARKS: Funding not specified.

AGENCY: HHS
COUNTRY: China
SUBJECT: Biomedical Sciences
EIF DATE: 05/11/83 TERM DATE:
REMARKS: Cooperative programs in basic biomedical sciences; exchnages, research. Renewal is automatic every five years.

AGENCY: HHS
COUNTRY: China
SUBJECT: Biomedical Sciences
EIF DATE: 08/01/87 TERM DATE: 08/01/92
REMARKS: MOU Agreement between the National Eye Institute, NIH, and the Zhongshan Ophthalmic Center, Chinese Academic Medical Sciences: joint vision research projects, exchange scientist programs, cooperation in clinical trials. Funding not specified.

AGENCY: HHS
COUNTRY: Colombia
SUBJECT: Biomedical Sciences
EIF DATE: 03/12/81 TERM DATE:
REMARKS: Termination date: Indefinite. National Library of Medicine MEDLARS Agreement with the Pan American Federation of Associations of Medical Schools; quid pro quo interlibrary exchanges. Funding not specified.

Institute, Mexico (CINVESTAV IPN); covers neurosciences and endocrinology, neurobiology and anaesthesiology, molecular aging, liver metabolism. Funding not specified.

AGENCY: HHS
COUNTRY: Mexico
SUBJECT: Biomedical Sciences
EIF DATE: 03/11/82 TERM DATE:
REMARKS: Termination date: Indefinite. An agreement for scientific cooperation on alcohol-related problems, between the National Institute on Alcohol Abuse and Alcoholism and the Mexican Institute of Psychiatry. Funding not specified.

AGENCY: HHS
COUNTRY: Mexico
SUBJECT: Biomedical Sciences
EIF DATE: 06/30/76 TERM DATE:
REMARKS: Termination date: Indefinite. National Library of Medicine MEDLARS Agreement with Centro Nacional de Informacion y Documentacion en Salud (CENIDS); quid pro quo interlibrary exchange. ADAMHA program interests in mental health and substance abuse in U.S.-Mexico Border Initiative. Funding not specified.

AGENCY: HHS
COUNTRY: Multilateral
SUBJECT: Biomedical Sciences
EIF DATE: 01/01/84 TERM DATE: 09/01/91
REMARKS: International Collaborative effort on Perinatal and Infant Mortality with Denmark, FRG, Israel, Japan, Norway, Sweden and the U.K. by the National Center for Health Statistics/CDC. Funding not specified.

AGENCY: HHS
COUNTRY: Multilateral
SUBJECT: Biomedical Sciences
EIF DATE: 03/01/79 TERM DATE: 09/07/93
REMARKS: Child survival and combatting childhood communicable diseases; Centers for Disease Control program of training and logistics planning for advancement of childhood immunization programs in 21 countries. Funding not specified.

AGENCY: HHS
COUNTRY: Pakistan
SUBJECT: Health Sciences
EIF DATE: 06/01/86 TERM DATE:
REMARKS: Science cooperation under US-Pakistan Subcommission's S&T Agreement includes prevention of blindness, parasitic diseases, health stats, health services research, cancer,

cardiovascular diseases, maternal and child health. Termination date: Indefinite. Funding not specified.

AGENCY: HHS
COUNTRY: Peru
SUBJECT: Biomedical Sciences
EIF DATE: 01/01/88 TERM DATE:
REMARKS: Active indefinitely. CDC Field Epidemiology Training Program. Funding not specified.

AGENCY: HHS
COUNTRY: Philippines
SUBJECT: Biomedical Sciences
EIF DATE: 06/01/87 TERM DATE:
REMARKS: Centers for Disease Control and Department of Health program in field epidemiology training (USAID funded). Termination date: Indefinite.

AGENCY: HHS
COUNTRY: Poland
SUBJECT: Biomedical Science
EIF DATE: 10/08/76 TERM DATE: 10/08/92
REMARKS: Renewed date: 10/08/87. Agreement between National Cancer Institute and Polish National Institute of Oncology. Epidemiological, basic, and clinical investigations in the field of cancer. Funding not specified.

AGENCY: HHS
COUNTRY: Poland
SUBJECT: Biomedical Sciences
EIF DATE: 10/01/84 TERM DATE:
REMARKS: Term date: Indefinite. Agreement between HHS and Polish Ministry of Health and Social Welfare; cooperation on mental health and alcohol-related health problems (FDA has two projects on-going); cardiovascular and pulmonary diseases, individual health scientist exchanges, cancer research, mental health, and Child health. Funding not specified.

AGENCY: HHS
COUNTRY: Regional
SUBJECT: Biomedical Science
EIF DATE: 10/26/77 TERM DATE:
REMARKS: Termination date: Indefinite. NIH/National Library of Medicine MEDLARS Agreement for interlibrary exchanges. Funding not specified.

AGENCY: HHS
COUNTRY: Romania
SUBJECT: Biomedical Sciences
EIF DATE: 12/13/74 TERM DATE:
REMARKS: US-Romania cooperation and individual health scientist exchanges; renewable every two years. Funding not specified.

AGENCY: HHS
COUNTRY: Saudi Arabia
SUBJECT: Biomedical Sciences
EIF DATE: 09/01/74 TERM DATE: 02/12/95
REMARKS: Under U.S.-Saudi Arabian Joint Commission Technical Cooperation Agreement; shares knowledge and transfers technology in emergency medical services (HRSA) and food and drug control (FDA). FDA currently has two projects: (1) Food Control Project (CONPROT) - Ongoing. However, FDA is in process of terminating this project; (2) Drug Control Project (DRUGCON) - Ongoing. Joint Commission Technical Cooperation Agreement funded by Saudi-owned U.S. dollars in JECOR Account at U.S. Treasury.

AGENCY: HHS
COUNTRY: Saudi Arabia
SUBJECT: Biomedical Sciences
EIF DATE: 10/01/86 TERM DATE: 12/31/93
REMARKS: CDC field epidemiology training program. Funding not specified.

AGENCY: HHS
COUNTRY: Sierra Leone
SUBJECT: Biomedical Sciences
EIF DATE: 01/01/82 TERM DATE:
REMARKS: Termination date: Indefinite. Long-term agreement between Centers for Disease Control and Ministry of Health in joint research for viral hemorrhagic fevers. Funding not specified.

AGENCY: HHS
COUNTRY: Spain
SUBJECT: Health Sciences
EIF DATE: 09/01/84 TERM DATE: 06/01/91
REMARKS: Renewal under negotiation. CDC agreement with Fondo de Investigaciones Sanitarias de la Seguridad Social for collaborative research on toxic oil syndrome. Funding not specified.

AGENCY: HHS
COUNTRY: Sweden
SUBJECT: Biomedical Sciences
EIF DATE: 10/20/74 TERM DATE:
REMARKS: Termination date: Indefinite. National Library of Medicine MEDLARS Agreement with Karolinska Institute; quid pro quo interlibrary exchange. Funding not specified.

AGENCY: HHS
COUNTRY: Switzerland
SUBJECT: Biomedical Sciences
EIF DATE: 02/21/80 TERM DATE:
REMARKS: Termination date: Indefinite. National Library of Medicine MEDLARS Agreement with the Documentation Service of the Swiss Academy of Medical Sciences; quid pro quo interlibrary exchange. Funding not specified.

AGENCY: HHS
COUNTRY: Taiwan
SUBJECT: Biomedical Sciences
EIF DATE: 01/01/84 TERM DATE:
REMARKS: CDC Field Epidemiology Training Program. Termination date: Indefinite. ADAMHA program interests in mental health and substance abuse, including alcohol abuse and alcoholism, coordinated by the Coordinating Council for North American Affairs. Funding not specified.

AGENCY: HHS
COUNTRY: Taiwan
SUBJECT: Biomedical Sciences
EIF DATE: 05/21/84 TERM DATE:
REMARKS: On-going. Termination date and funding not specified.

AGENCY: HHS
COUNTRY: Taiwan
SUBJECT: Biomedical Sciences
EIF DATE: TERM DATE:
REMARKS: Disease Control and Prevention. On-going. Termination date and funding not specified.

AGENCY: HHS
COUNTRY: Thailand
SUBJECT: Biomedical Sciences
EIF DATE: 01/01/80 TERM DATE:
REMARKS: Termination date: Indefinite. CDC Field Epidemiology Training Program. Funding not specified.

AGENCY: HHS
COUNTRY: Thailand
SUBJECT: Biomedical Sciences
EIF DATE: 03/01/90 TERM DATE:
REMARKS: Termination date: Indefinite. CDC and Ministry of Health collaboration in HIV-1 and HIV-2 epidemiology, laboratory surveillance and research. Funding not specified.

AGENCY: HHS
COUNTRY: United Kingdom
SUBJECT: Biomedical Sciences
EIF DATE: 06/25/74 TERM DATE:
REMARKS: Termination date: Indefinite. National Library of Medicine MEDLARS Agreement with the British Library; quid pro quo interlibrary exchange. Funding not specified.

AGENCY: HHS
COUNTRY: USSR
SUBJECT: Biomedical Sciences
EIF DATE: 05/01/72 TERM DATE: 05/01/92
REMARKS: Under government-to-government health agreement on cancer, cardiovascular disease, environmental health, arthritis, biomedical communication, eye disease, mental health and alcohol and drug abuse, and individual health scientist exchange. Funding not specified.

AGENCY: HHS
COUNTRY: USSR
SUBJECT: Biomedical Sciences
EIF DATE: 06/28/74 TERM DATE: 06/28/92
REMARKS: Agreement between NHLBI and Ministry of Health, All Union Center for Cardiological Research, for cooperation on artificial heart research and development. Funding not specified.

AGENCY: HHS
COUNTRY: Yugoslavia
SUBJECT: Biomedical Sciences
EIF DATE: 11/01/79 TERM DATE: 11/01/92
REMARKS: Under US-Yugoslavia S&T Cooperation Agreement, cooperation on: cardiopulmonary research, metabolic diseases, neurosciences, cancer, human reproduction, alcohol research and individual health, scientist exchanges. Two ongoing FDA programs: one on drug therapies, the other on epidemiology. Funding not specified.

AGENCY: HHS
COUNTRY: Zaire
SUBJECT: Biomedical Sciences
EIF DATE: 01/01/84 TERM DATE:
REMARKS: Termination date: Indefinite. Program among CDC, Belgian Ministry of Health, Belgian Institute of Tropical Medicine, U.S. Armed Forces Institute of Pathology, and NIH to cooperate on AIDS surveillance, research, and prevention. Funding not specified.

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

COUNTRY: China
AGENCY: HUD
SUBJECT: Housing, Urban Development
EIF DATE: 10/17/81 TERM DATE: 10/16/91
REMARKS: Building construction and urban planning. Funding not specified.

DEPARTMENT OF THE INTERIOR

AGENCY: DOI (BLM)
COUNTRY: Canada
SUBJECT: Natural Resources
EIF DATE: 01/01/61 TERM DATE:
REMARKS: On-going. North American Forestry Commission; Exchange information and advise the FAO Committee on Forestry concerning forest and wildfire management practices. Funding not specified.

AGENCY: DOI (BLM)
COUNTRY: Japan
SUBJECT: Natural Resources
EIF DATE: 10/24/68 TERM DATE:
REMARKS: On-going. United States/Japan Natural Resources (UJNR) Forestry Panel--Exchange scientific and technical information concerning utilization and enhancement of forest products. No funding specified.

AGENCY: DOI (BLM)
COUNTRY: Mexico
SUBJECT: Natural Resources
EIF DATE: 01/01/61 TERM DATE:
REMARKS: On-going. North American Forestry Commission; Exchange information and advise the FAO Committee on Forestry concerning forest and wildfire management practices. Funding not specified.

AGENCY: DOI (BOM)
COUNTRY: China
SUBJECT: Mining & Metallurgy
EIF DATE: 08/01/91 TERM DATE: 08/01/96
REMARKS: Mining research and technology.

AGENCY: DOI (BOM)
COUNTRY: European Community
SUBJECT: Natural Resources
EIF DATE: 01/16/84 TERM DATE: 01/15/89
REMARKS: Renewal under negotiation. Information sharing MOU in the field of mineral technology. Funding not specified.

AGENCY: DOI (BUREC)
COUNTRY: Israel
SUBJECT: Natural Resources
EIF DATE: 02/08/90 TERM DATE: 02/07/95
REMARKS: S & T exchange program in water resources with the Israel Oceanographic and Limnological Research, Ltd.; joint funding.

AGENCY: DOI (BUREC)
COUNTRY: Israel
SUBJECT: Natural Resources
EIF DATE: 06/01/84 TERM DATE: 05/22/94
REMARKS: S&T exchange program in water resources with the Ministry of Agriculture; joint funding.

AGENCY: DOI (FWS)
COUNTRY: Canada
SUBJECT: Natural Resources
EIF DATE: 03/16/88 TERM DATE:
REMARKS: On-going. Tripartite (Mexico) cooperation on waterfowl and wetlands cooperation. Funding not specified.

AGENCY: DOI (FWS)
COUNTRY: Canada
SUBJECT: Nature Conservation
EIF DATE: 07/17/87 TERM DATE:
REMARKS: To conserve, through joint cooperation and coordination of users and management authorities the migrating Porcupine Caribou Herd. Funding not specified.

AGENCY: DOI (FWS)
COUNTRY: China
SUBJECT: Natural Resources
EIF DATE: 11/19/86 TERM DATE: 11/19/91
REMARKS: Exchange of scientists to work on activities relating to conservation of wildlife and their habitats. Funding not specified.

AGENCY: DOI (FWS)
COUNTRY: Egypt
SUBJECT: Natural Resources
EIF DATE: 08/10/87 TERM DATE: 10/01/92
REMARKS: Training and research; technical assistance in natural areas management. This is one of three Special Foreign Currency programs run by the FWS (India, Pakistan) in which excess foreign currency is held by the FWS for use in conservation programs. Funding not specified.

AGENCY: DOI (FWS)
COUNTRY: India
SUBJECT: Natural Resources
EIF DATE: 01/01/78 TERM DATE:
REMARKS: On-going. Research projects in endangered species; training in management; public education efforts including development of the Indian Wildlife Institute. This is one of three Special Foreign Policy programs run by the FWS (Egypt, Pakistan). Funding not specified.

AGENCY: DOI (FWS)
COUNTRY: Mexico
SUBJECT: Natural Resources
EIF DATE: 05/12/84 TERM DATE: 05/11/94
REMARKS: Cooperative projects on endangered, migratory birds, law enforcement, training, and other wildlife matters. Funding not specified.

AGENCY: DOI (FWS)
COUNTRY: Mexico
SUBJECT: Natural Resources
EIF DATE: 03/16/88 TERM DATE:
REMARKS: On-going. Tripartite cooperation on waterfowl and wetlands conservation. Funding not specified.

AGENCY: DOI (FWS)
COUNTRY: Multilateral
SUBJECT: Natural Resources
EIF DATE: 04/30/42 TERM DATE:
REMARKS: On-going. Institution building and training in Western hemisphere countries; grants and projects in support of regional capabilities for managing wildlife, environmental education, graduate program development; technical information data centers. Funding not specified.

AGENCY: DOI (FWS)
COUNTRY: Multilateral
SUBJECT: Natural Resources
EIF DATE: 01/01/87 TERM DATE:
REMARKS: On-going. Training and research in 8 Asian countries;8 grants supporting of biological diversity;USAID funding at $260,000.

AGENCY: DOI (FWS)
COUNTRY: Multilateral
SUBJECT: Natural Resources
EIF DATE: 01/01/87 TERM DATE:
REMARKS: On-going. Training and research in 13 Near East countries; 12 grants in support of biological diversity; USAID funding at $186,000.

AGENCY: DOI (FWS)
COUNTRY: Pakistan
SUBJECT: Natural Resources
EIF DATE: 01/01/78 TERM DATE: 12/01/92
REMARKS: Research in endangered species; training in wildlife management; conservation education. 1 of 3 Special Foreign Currency programs run by the FWS (Egypt,India) in which excess foreign currency is held by the FWS for use in conservation projects. Funding not specified.

AGENCY: DOI (FWS)
COUNTRY: USSR
SUBJECT: Natural Resources
EIF DATE: 05/23/72 TERM DATE: 05/23/92
REMARKS: Exchange of scientists to work on conservation activities relating to wildlife and wildlife habitats. Development of US/USSR international park and training in park management techniques. Funding not specified.

AGENCY: DOI (MMS)
COUNTRY: Australia
SUBJECT: Natural Resources
EIF DATE: 11/07/91 TERM DATE: 11/07/96
REMARKS: This MOU is a framework for the exchange of information and visits on offshore oil, gas, and mineral activities. This agreement might be augmented by annexes dealing with specific cooperative research activities later. Funding not specified.

AGENCY: DOI (MMS)
COUNTRY: Canada
SUBJECT: Natural Resources
EIF DATE: 09/01/86 TERM DATE:
REMARKS: Termination date: Indefinite. The MOU is between DOI/MMS and the Department of the Environment of Canada, allowing for jointly sponsored research on oil spill prevention, cleanup, and countermeasures technologies. Funding not specified.

AGENCY: DOI (MMS)
COUNTRY: Japan
SUBJECT: Marine Mining
EIF DATE: TERM DATE:
REMARKS: On-going. Entry into Force in 1968 as one of the marine panels of the United States-Japan Cooperative Program in Natural Resources (UJNR). This panel, chaired by the MMS, deals with the technology for and environmental aspects of marine mining. The MMS also serves on two additional marine panels: one dealing with facilities, such as oil platforms; and the other deals with the effects of wind and seismic activity. Funding not specified.

AGENCY: DOI (MMS)
COUNTRY: United Kingdom
SUBJECT: Natural Resources
EIF DATE: 05/16/89 TERM DATE:
REMARKS: The focus of the MOU is offshore oil and gas development safety-related research. United Kingdom's Health and Safety Executive and the MMS agree to the exchange of scientific and technical information on studies of safety and of personnel, offshore installations, and pollution prevention. Termination date: Indefinite. Funding not specified.

AGENCY: DOI (NPS)
COUNTRY: Burma
SUBJECT: Natural Resources
EIF DATE: 09/30/87 TERM DATE:
REMARKS: Technical assistance in conservation, resource management, and protected areas management; funding of $23,000. This project originally funded at $60,000; because of problems in Burma, funds were returned to USAID/India. Funding now unsure. May expand to Pakistan, India.

AGENCY: DOI (NPS)
COUNTRY: China
SUBJECT: Natural Resources
EIF DATE: 11/19/86 TERM DATE: 11/19/91
REMARKS: Protocol designed to promote cooperation and exchanges in the field of wildlife conservation and protected natural areas. Exchange of scientists to work on activities relating to conservation of wildlife and their habitats. Funding not specified.

AGENCY: DOI (NPS)
COUNTRY: China
SUBJECT: Cultural Resources
EIF DATE: 01/31/79 TERM DATE:
REMARKS: Termination date: Indefinite. Designed to promote cooperation, research, and exchanges of information on cultural resources. Funding not specified.

AGENCY: DOI (NPS)
COUNTRY: Costa Rica
SUBJECT: Natural Resources
EIF DATE: 10/10/91 TERM DATE: 10/09/96
REMARKS: Technical assistance and training in protected area management. Funding not specified.

AGENCY: DOI (NPS)
COUNTRY: India
SUBJECT: Natural Resources
EIF DATE: TERM DATE:
REMARKS: Entry into Force in 1988 and termination in 1992. Agreement active. Conservation. Funding not specified.

AGENCY: DOI (NPS)
COUNTRY: Japan
SUBJECT: Natural Resources
EIF DATE: 11/01/86 TERM DATE: 11/01/91
REMARKS: Exchange; US-Japan agreement on development and utilization of natural resources; US-Japan Panels: Natural areas, conservation, recreation and parks, city parks and urban affairs. Funding not specified.

AGENCY: DOI (NPS)
COUNTRY: Mexico
SUBJECT: National Parks
EIF DATE: 11/30/88 TERM DATE: 11/30/93
REMARKS: Mutual objectives/interests declared in the Convention on Nature Protection and Wildlife Preservation in the Western Hemisphere of 10-20-40, World Heritage/cross border resource issues. No funding specified.

AGENCY: DOI (NPS)
COUNTRY: Multilateral
SUBJECT: Natural Resources
EIF DATE: 02/05/67 TERM DATE: 09/30/91
REMARKS: Technical assistance; national park development; participants include African countries. Funding varies with negotiated activities.

AGENCY: DOI (NPS)
COUNTRY: Multilateral
SUBJECT: Natural Resources
EIF DATE: 06/21/84 TERM DATE: 05/31/94
REMARKS: Policy coordination; World Heritage Site nomination; cultural resource cooperation with ICOMOS; participation with World Heritage Convention countries in cooperative programs of site assistance and staff training. Funding of approximately $100,000 annually.

AGENCY: DOI (NPS)
COUNTRY: Multilateral
SUBJECT: Natural Resources
EIF DATE: 09/22/86 TERM DATE: 09/22/96
REMARKS: Training; Peace Corps volunteer training in national

parks and conservation; participants include Malawi, Morocco and Sierre Leone; other U.S. government funding of $18,000.

AGENCY: DOI (NPS)
COUNTRY: Multilateral
SUBJECT: Natural Resources
EIF DATE: 10/12/40 TERM DATE:
REMARKS: Ongoing. Western Hemisphere Convention 1/18/90 S.P.A.W. Protocol. Technical assistance; Participants include Argentina, Barbados, Bermuda, Brazil, British Virgin Islands, Chile, Colombia, Costa Rica, Grenada, Jamaica, Mexico, Panama, Peru, St. Vincent & Grenadines. Funding not specified.

AGENCY: DOI (NPS)
COUNTRY: Multilateral
SUBJECT: Natural Resources
EIF DATE: 03/24/83 TERM DATE:
REMARKS: Technical participation in development of specially protected areas and wildlife (SPAW Protocol) for the wider Caribbean. Cartagena Convention Framework. Termination date: Indefinite. Funding not specified.

AGENCY: DOI (NPS)
COUNTRY: Multilateral
SUBJECT: Natural Resources
EIF DATE: 03/09/84 TERM DATE: 09/30/91
REMARKS: Technical assistance/information exchange and interdisciplinary ecosystem research through U.S. Man and the Biosphere (MAB) Program; includes Canada, Mexico, Rwanda, FRG and all MAB countries. Includes international cooperation through International Network of Biosphere Reserves, with emphasis on temperate and high latitude regions. Funding: $50,000 from NPS to support interagency U.S. MAB programs.

AGENCY: DOI (NPS)
COUNTRY: Pakistan
SUBJECT: Natural Resources
EIF DATE: 09/30/86 TERM DATE: 11/02/93
REMARKS: Technical assistance and training; national/cultural heritage conservation and management technical assistance; operations are conducted under the auspices of the referenced agreement-there is no separate NPS agreement. Inactive but in force. Funding not specified.

AGENCY: DOI (NPS)
COUNTRY: Poland
SUBJECT: Natural Resources
EIF DATE: 09/01/87 TERM DATE: 09/01/92
REMARKS: Cooperation and exchange; natural and cultural heritage

conservation and management; personnel; information exchange. Funding not specified.

AGENCY: DOI (NPS)
COUNTRY: Sri Lanka
SUBJECT: Natural Resources
EIF DATE: 06/01/84 TERM DATE: 09/30/89
REMARKS: Training and technical assistance; Mahaweli protected area management; USAID funding of $500,000. Expired and under renegotiation.

AGENCY: DOI (NPS)
COUNTRY: Thailand
SUBJECT: Protected Area Mgmnt
EIF DATE: 11/08/89 TERM DATE: 11/08/92
REMARKS: Technical assistance and training in management, planning, policies, and guidelines, resource management, interpretation and infrastructure assessment capabilities under auspices of NPS/USAID PASA. USAID Funding: $620,000.

AGENCY: DOI (NPS)
COUNTRY: Thailand
SUBJECT: Natural Resources
EIF DATE: 04/01/84 TERM DATE: 04/01/89
REMARKS: Training and technical assistance in national parks; USAID funding of $53,000.

AGENCY: DOI (NPS)
COUNTRY: United Kingdom
SUBJECT: Environment
EIF DATE: 07/13/91 TERM DATE: 07/13/96
REMARKS: World Heritage Convention; conservation of protected landscapes, undeveloped coastline, privately owned land; development of trails and voluntary conservation agreement mechanisms; role of public and private sectors in conservation. Funding not specified.

AGENCY: DOI (NPS)
COUNTRY: Venezuela
SUBJECT: Natural Resources
EIF DATE: 07/01/91 TERM DATE: 07/01/96
REMARKS: MOU signed by DOI/NPS and the Ministry of Environment and Renewable Natural Resources of the Republic of Venezuela. Technical assistance and training with concentration on marine/coastal parks and urban parks. Funding not specified.

AGENCY: DOI (USGS)
COUNTRY: Argentina
SUBJECT: Earth Sciences
EIF DATE: 12/29/87 TERM DATE: 12/29/92
REMARKS: Establish facilities to be incorporated into Global Seismograph Network. Funding not specified.

AGENCY: DOI (USGS)
COUNTRY: Australia
SUBJECT: Earth Sciences
EIF DATE: 01/01/83 TERM DATE: 01/01/92
REMARKS: Fieldwork on impact structures in S. Australia, N. Territory, NSW, and W. Australia. NASA funded: $41,300.

AGENCY: DOI (USGS)
COUNTRY: Bangladesh
SUBJECT: Earth Sciences
EIF DATE: 05/01/82 TERM DATE: 01/01/91
REMARKS: Modernization of Geological Survey and training of staff. Funded by Asian Development Bank at $20,000 in FY91.

AGENCY: DOI (USGS)
COUNTRY: Bolivia
SUBJECT: Earth Sciences
EIF DATE: 08/17/84 TERM DATE: 08/12/94
REMARKS: Establish facilities to be incorporated into Global Seismograph Network. Funding not specified.

AGENCY: DOI (USGS)
COUNTRY: Botswana
SUBJECT: Earth Sciences
EIF DATE: 08/13/86 TERM DATE: 08/12/94
REMARKS: Establish facilities to be incorporated into Global Seismograph Network. Funding not specified.

AGENCY: DOI (USGS)
COUNTRY: Brazil
SUBJECT: Earth Sciences
EIF DATE: 05/05/86 TERM DATE: 05/05/96
REMARKS: Establish and operate facilities to be incorporated into Global Seismograph Network. Funding not specified.

AGENCY: DOI (USGS)
COUNTRY: Bulgaria
SUBJECT: Basic Sciences
EIF DATE: 02/09/78 TERM DATE: 02/09/93
REMARKS: Joint research, seminars and workshops, and short term project development visits. Funding not specified.

AGENCY: DOI (USGS)
COUNTRY: Cameroon
SUBJECT: Earth Sciences
EIF DATE: 11/09/88 TERM DATE: 11/09/93
REMARKS: No activity during FY91. Funding not specified.

AGENCY: DOI (USGS)
COUNTRY: Canada
SUBJECT: Earth Sciences
EIF DATE: 01/01/09 TERM DATE:
REMARKS: Entry into Force: 1909, and continuing. Joint water-data acquisition activities stemming from Boundary Waters Treaty of 1909. Funded by IJC at about $500,000 annually.

AGENCY: DOI (USGS)
COUNTRY: Canada
SUBJECT: Earth Sciences
EIF DATE: 04/02/81 TERM DATE: 04/01/91
REMARKS: Joint geological and mapping projects; international strategic minerals inventory. Under renewal. Funding not specified.

AGENCY: DOI (USGS)
COUNTRY: China
SUBJECT: Earth Sciences
EIF DATE: 04/15/85 TERM DATE: 04/30/96
REMARKS: Survey and Mapping Protocol; joint projects in mapping applications of remote sensing; development of geographic information systems and geographic names databases in cooperation with DMA and NOAA. Funding: USGS $27,000; PRC $8,200.

AGENCY: DOI (USGS)
COUNTRY: China
SUBJECT: Earth Sciences
EIF DATE: 01/24/80 TERM DATE: 01/23/95
REMARKS: Earthquake studies protocol; studies on crustal structures in fault zones; premonitory phenomena; crustal stress measurements; seismic networks; rock mechanics; intraplate active fault studies. Funding: USGS $35,000; PRC $75,000.

AGENCY: DOI (USGS)
COUNTRY: China
SUBJECT: Earth Sciences
EIF DATE: 01/24/80 TERM DATE: 04/30/96
REMARKS: Earth Science Protocol; joint research on petroleum geology pyrophylite; geochemical anomalies in Xinjiang and SW U.S.; genetic model of Bayan Obo iron niobium rare earth deposit;S. China and W. U.S. granitoid rocks. Funding: USGS $20,000; PRC $6,000.

AGENCY: DOI (USGS)
COUNTRY: Cote D'Ivoire
SUBJECT: Earth Sciences
EIF DATE: 03/21/86 TERM DATE:
REMARKS: On-going. Establishes a station for the reference network. Funding not specified.

AGENCY: DOI (USGS)
COUNTRY: Cote D'Ivoire
SUBJECT: Earth Sciences
EIF DATE: 02/01/86 TERM DATE: 01/31/94
REMARKS: Establish facilities to be incorporated into Global Seismograph Network. Funding not specified.

AGENCY: DOI (USGS)
COUNTRY: Finland
SUBJECT: Earth Sciences
EIF DATE: 10/25/89 TERM DATE: 10/25/94
REMARKS: Scientific and technical cooperation. Study of metalliferous black shales. Funding: USGS $2,400.

AGENCY: DOI (USGS)
COUNTRY: France
SUBJECT: Earth Sciences
EIF DATE: 07/23/88 TERM DATE: 07/23/91
REMARKS: MOU under renewal process. Joint studies in water resources research, radioactive waste, oceanographic research, geochemistry research, mineral deposits, and geophysics. Funding: USGS $16,600; NSF $8,200.

AGENCY: DOI (USGS)
COUNTRY: Honduras
SUBJECT: Earth Sciences
EIF DATE: 06/10/91 TERM DATE:
REMARKS: On-going agreement. No activity in FY91. Funding not specified.

AGENCY: DOI (USGS)
COUNTRY: Hungary
SUBJECT: Earth Sciences
EIF DATE: 02/09/88 TERM DATE: 12/31/92
REMARKS: Assist Hungarian earth science agencies in reorganization efforts. Geomagnetic data exchange and environmental geology studies. Funding: USGS $14,600; Hungary $71,500.

AGENCY: DOI (USGS)
COUNTRY: Iceland
SUBJECT: Earth Sciences
EIF DATE: 04/09/82 TERM DATE: 04/08/90
REMARKS: Agreement in cooperation with the Icelandic Council of Science; information and personnel exchanges; joint research in geophysical, geological, and hydrological phenomena. In renewal process. Funding: USGS $20,000.

AGENCY: DOI (USGS)
COUNTRY: Italy
SUBJECT: Earth Sciences
EIF DATE: 12/01/83 TERM DATE: 11/30/88
REMARKS: MOU renewal for 5 years period, effective 12/1/88, sent to Italy in 1989 for signatures; but presently unsigned. Original agreement refers to cooperative activities related to marine sediment transport and hydrologic and hazard seminars. Funding: USGS $16,700; Italy $77,800.

AGENCY: DOI (USGS)
COUNTRY: Italy
SUBJECT: Earth Sciences
EIF DATE: 04/19/91 TERM DATE: 04/19/96
REMARKS: Scientific and technical cooperation in the earth sciences with Experimental Geophysical Observatory. No activity in FY91. Funding not specified.

AGENCY: DOI (USGS)
COUNTRY: Italy
SUBJECT: Earth Sciences
EIF DATE: 06/07/84 TERM DATE: 06/07/89
REMARKS: MOU for a cooperative program in the Installation of digital real-time seismography. In force for 5 years, may be extended by mutual written agreement. In renewal process for another 5 years, effective 06/07/89. Funding: USGS $3,200; Italy $4,200.

AGENCY: DOI (USGS)
COUNTRY: Italy
SUBJECT: Earth Sciences
EIF DATE: 08/31/90 TERM DATE: 08/31/95
REMARKS: Agreement with the Italian National Electric Power Authority (ENEL) for cooperation in geological sciences with experimental model and structure institute. Includes environmental geology, hydrogeology, geologic hazard mapping, and mitigation, etc. No activity in FY91. Funding not specified.

AGENCY: DOI (USGS)
COUNTRY: Japan
SUBJECT: Earth Sciences
EIF DATE: 10/24/86 TERM DATE:
REMARKS: U.S./Japan Natural Resources (UJNR) Earthquake Prediction Panel. Funding: USGS $44,800; Japan $8,600.

AGENCY: DOI (USGS)
COUNTRY: Japan
SUBJECT: Earth Sciences
EIF DATE: 02/25/85 TERM DATE: 10/28/91
REMARKS: MOU between the USGS and the Geological Survey of Japan, MITI, covering cooperation in the field of earth sciences: Regular and environmental geology, marine geology, geothermal investigation, etc. JGS suggests to the USGS that the agreement be extended 3 more years. Funding: USGS $58,300; Japan $60,900.

AGENCY: DOI (USGS)
COUNTRY: Kuwait
SUBJECT: Earth Sciences
EIF DATE: 12/04/88 TERM DATE: 12/31/93
REMARKS: No activities in FY91. Funding not specified.

AGENCY: DOI (USGS)
COUNTRY: Mauritania
SUBJECT: Earth Sciences
EIF DATE: 01/11/87 TERM DATE: 01/11/92
REMARKS: No activity in FY91. Funding not specified.

AGENCY: DOI (USGS)
COUNTRY: Mexico
SUBJECT: Earth Sciences
EIF DATE: 07/01/90 TERM DATE: 07/01/91
REMARKS: Use of PCs for change detection and map revision with satellite data. U.S.-Mexico S&T Agreement ($25K) and USGS-CETENAL MOU and DMA IAGS. USGS funding: $4,000, .05 FTE.

AGENCY: DOI (USGS)
COUNTRY: Mexico
SUBJECT: Earth Sciences
EIF DATE: 03/31/89 TERM DATE: 03/31/94
REMARKS: Scientific cooperation and exchange in geothermal and related volcanic investigations. Funding not specified.

AGENCY: DOI (USGS)
COUNTRY: Mexico
SUBJECT: Earth Sciences
EIF DATE: 08/26/90 TERM DATE: 09/17/91
REMARKS: Research programs in seismology with National University of Mexico. Funding: USGS $5,500; Mexico $2,100.

AGENCY: DOI (USGS)
COUNTRY: Multilateral
SUBJECT: Earth Sciences
EIF DATE: 11/01/87 TERM DATE: 11/01/92
REMARKS: Field Research at lakes in dry valleys related to global carbon cycle in Antarctica. Funding: USGS $50,000 annually; NSF $400,000 annually.

AGENCY: DOI (USGS)
COUNTRY: Multilateral
SUBJECT: Earth Sciences
EIF DATE: 03/01/87 TERM DATE: 09/01/91
REMARKS: Famine Early Warning System; development and application of information system technology for target populations in 7 African countries. USAID funding: $450,000, 4.0 FTE.

AGENCY: DOI (USGS)
COUNTRY: Multilateral
SUBJECT: Earth Sciences
EIF DATE: 01/01/74 TERM DATE:
REMARKS: Continuing agreement. SW and W. Pacific: One USGS employee in Fiji for advice and training in marine geoscientific hydrocarbon studies and coastal geological hazards and resources. Funding: USGS $28,700; CCOP/SOPAC: $8,300.

AGENCY: DOI (USGS)
COUNTRY: Multilateral
SUBJECT: Earth Sciences
EIF DATE: 01/01/74 TERM DATE:
REMARKS: Continuing Circum-Pacific Map Project: Coordination and cartographic preparation of 60 thematic maps. Funding: USGS $400,000.

AGENCY: DOI (USGS)
COUNTRY: Multilateral
SUBJECT: Earth Sciences
EIF DATE: 08/01/86 TERM DATE: 12/31/91
REMARKS: Interagency Volcano Early Warning Disaster Assistance Program provides emergency response to volcano crises. USAID funding: $138,000.

AGENCY: DOI (USGS)
COUNTRY: Multilateral
SUBJECT: Earth Sciences
EIF DATE: 12/31/87 TERM DATE: 12/31/91
REMARKS: Geothermal resources assessment of Central America.
USAID funding: $82,800.

AGENCY: DOI (USGS)
COUNTRY: Multilateral
SUBJECT: Earth Sciences
EIF DATE: 01/01/72 TERM DATE:
REMARKS: Antarctic glaciological studies, seismology and ultra-long period gravity investigations; data telecommunications at the South Pole. Funding: USGS $16,000, 3.2 FTE; Outside support $16,000.

AGENCY: DOI (USGS)
COUNTRY: Multilateral
SUBJECT: Earth Sciences
EIF DATE: 01/01/86 TERM DATE:
REMARKS: Advisory consultations to intergovernmental geoscience bodies in eastern Asia, particularly in resource assessment methodologies; preparation of regional base maps at 1:2,000,000-scale; about $5,000 in travel funds from the U.S. Department of State.

AGENCY: DOI (USGS)
COUNTRY: Multilateral
SUBJECT: Earth Sciences
EIF DATE: 10/01/89 TERM DATE: 04/30/93
REMARKS: Worldwide earthquake risk management program: Pilot program in Morocco, Chile and Indonesia. USAID funding: $7,000.

AGENCY: DOI (USGS)
COUNTRY: Multilateral
SUBJECT: Earth Sciences
EIF DATE: 04/01/88 TERM DATE: 09/30/91
REMARKS: Remote sensing and information systems for research and monitoring of Sahelian Africa for meteorology, hydrology, and agriculture in 8 African countries. USAID funding: $1,700,000.

AGENCY: DOI (USGS)
COUNTRY: New Zealand
SUBJECT: Earth Sciences
EIF DATE: 06/23/86 TERM DATE:
REMARKS: Joint USGS-New Zealand project to do 1:50,000 scale mapping of regions of high scientific interest in McMurdo Sound area of Antarctica; funded by NSF at $50,000. USGS completed its work on first 5 sheets which were sent to New Zealand for compilation.

AGENCY: DOI (USGS)
COUNTRY: New Zealand
SUBJECT: Earth Sciences
EIF DATE: 01/14/90 TERM DATE: 10/13/91
REMARKS: Cooperation in structural geology and tectonics, petroleum, and geochemistry and geology with Victoria University. Funding of $65,500 from Victoria University, and $5,600 from USGS.

AGENCY: DOI (USGS)
COUNTRY: Norway
SUBJECT: Earth Sciences
EIF DATE: 02/04/88 TERM DATE: 02/04/93
REMARKS: Cooperation in developing methods for digital sonar image data with the Norwegian Institute of Technology. Funding not specified.

AGENCY: DOI (USGS)
COUNTRY: Paraguay
SUBJECT: Earth Sciences
EIF DATE: 10/17/88 TERM DATE: 08/24/92
REMARKS: Establish facilities to be incorporated into Global Seismograph Network. Funding not specified.

AGENCY: DOI (USGS)
COUNTRY: Peru
SUBJECT: Earth Sciences
EIF DATE: 07/19/90 TERM DATE:
REMARKS: Continuing MOU agreement. Scientific and technical cooperation in the earth and mapping sciences. No activity in FY91. Funding not specified.

AGENCY: DOI (USGS)
COUNTRY: Poland
SUBJECT: Earth Sciences
EIF DATE: 08/25/88 TERM DATE: 08/25/93
REMARKS: Projects on lignite formation; carbonatites & alkaline intrusions; prospecting for mineral deposits and geochemical prospecting. Funding: USGS $41,700; Joint Commission $30,000; USDA $8,000.

AGENCY: DOI (USGS)
COUNTRY: Portugal
SUBJECT: Earth Sciences
EIF DATE: 05/18/87 TERM DATE: 05/17/92
REMARKS: Geologic and geothermal studies. Iberian pyrite belt. Funding: USGS $5,000; Portugal $4,500.

AGENCY: DOI (USGS)
COUNTRY: Saudi Arabia
SUBJECT: Earth Sciences
EIF DATE: 01/01/63 TERM DATE: 12/31/94
REMARKS: Establishment of earth sciences organization; geographic and geologic cartography; mining; geologic, geochemical and geophysical studies; geologic and mineral resources database. Government of Saudi Arabia funding: $5,500K.

AGENCY: DOI (USGS)
COUNTRY: South Africa
SUBJECT: Earth Sciences
EIF DATE: 12/01/87 TERM DATE: 12/01/92
REMARKS: Establish facilities to be incorporated into Global Seismograph Network. Funding not specified.

AGENCY: DOI (USGS)
COUNTRY: Sweden
SUBJECT: Earth Sciences
EIF DATE: 07/01/90 TERM DATE: 09/30/91
REMARKS: Cooperative research on subsurface problems related to nuclear waste disposal and ground water contamination. Funding: USGS $76,000; Sweden: $57,000.

AGENCY: DOI (USGS)
COUNTRY: United Kingdom
SUBJECT: Earth Sciences
EIF DATE: 02/14/84 TERM DATE: 09/30/94
REMARKS: Sea floor sonar imagining, surveys using the Geologic Long-Range Inclined Asdic (GLORIA) System. Project funded at $3.4 million.

AGENCY: DOI (USGS)
COUNTRY: USSR
SUBJECT: Earth Sciences
EIF DATE: 06/01/90 TERM DATE:
REMARKS: Project on geochemistry of marine sediments under US/USSR Ocean Studies Agreement signed in 1990. Funding: USGS $100,000.

AGENCY: DOI (USGS)
COUNTRY: USSR
SUBJECT: Earth Sciences
EIF DATE: 05/06/89 TERM DATE: 05/06/94
REMARKS: Cooperative projects in petroleum geology, mineral and water resources, deep continental drilling, geochemistry, and earthquake research. Funding: USGS $370,000; USSR $112,000.

AGENCY: DOI (USGS)
COUNTRY: USSR
SUBJECT: Earth Sciences
EIF DATE: TERM DATE:
REMARKS: On-going. USGS participates in activities under environmental agreement. Other agency also involved: EPA. Projects on seismological studies and climate change under US/USSR Environmental Agreement. Funding: USGS $32,000; USSR $31,500; 41,300.

AGENCY: DOI (USGS)
COUNTRY: Venezuela
SUBJECT: Earth Sciences
EIF DATE: 03/01/90 TERM DATE: 07/01/91
REMARKS: Pilot project on application of satellite data for scale-true mapping in unmapped areas. Funding: USGS $8,000; PAIGH: $6,500.

AGENCY: DOI (USGS)
COUNTRY: Yugoslavia
SUBJECT: Earth Sciences
EIF DATE: 06/27/88 TERM DATE: 06/27/93
REMARKS: Projects under the S&T Umbrella Agreement. USGS funding: $5,500.

DEPARTMENT OF TRANSPORTATION

AGENCY: DOT
COUNTRY: Brazil
SUBJECT: Transportation
EIF DATE: 03/29/84 TERM DATE: 10/16/90
REMARKS: On-going agreement. Areas for cooperation: civil aviation, urban mass transit, vehicle fuel conservation and alternative fuel technology; and highway research and development. Funding not specified.

AGENCY: DOT
COUNTRY: Canada
SUBJECT: Transportation
EIF DATE: 06/18/70 TERM DATE:
REMARKS: Extremely active on-going agreement concerning all areas of transportation: civil aviation research and security, marine technology, urban transport, highway/traffic safety and R&D, highway research, systems for disabled, hazardous materials transport. Funding not specified.

AGENCY: DOT
COUNTRY: China
SUBJECT: Transportation
EIF DATE: 05/11/83 TERM DATE: 04/30/96
REMARKS: Protocol with Ministry of Communications (MOC) under the umbrella S&T agreement; urban systems; transport research planning; highway construction & safety; civil aviation technical assistance. Army Corps of Engineers participates. Funding not specified.

AGENCY: DOT
COUNTRY: China
SUBJECT: Transportation
EIF DATE: 12/15/86 TERM DATE: 12/15/91
REMARKS: Covers all areas of rail transportation, research, and operations. Administered by the Federal Railroad Administration. Funding not specified.

AGENCY: DOT
COUNTRY: Finland
SUBJECT: Transportation
EIF DATE: 07/23/81 TERM DATE:
REMARKS: Ongoing agreement. Icebreaking technology, specifically winter navigation and design process and criteria. Funding not specified.

AGENCY: DOT
COUNTRY: Finland
SUBJECT: Transportation
EIF DATE: 01/22/91 TERM DATE:
REMARKS: Ongoing Agreement establishes cooperative research on pavements in cold weather climate, to include pavement materials, instrumentation, and design models. Funding not specified.

AGENCY: DOT
COUNTRY: France
SUBJECT: Transportation
EIF DATE: 10/07/71 TERM DATE:
REMARKS: Ongoing. Program implemented with U.S., France, Germany, Italy, Japan, and the U.K. under the auspices of NATO CCMS. Funding: each side pools funds subject to availability.

AGENCY: DOT
COUNTRY: France
SUBJECT: Transportation
EIF DATE: 02/14/72 TERM DATE:
REMARKS: Exchanges on automated guideway transit assessment; project agreements include: automated guideway transit, marine traffic systems and pollution, drug/alcohol abuse countermeasures; tunneling technology, urban rail and traffic systems, waste and byproduct. Agreement ongoing. Funding not specified.

AGENCY: DOT
COUNTRY: France
SUBJECT: Transportation
EIF DATE: 06/02/69 TERM DATE:
REMARKS: On-going agreement. Funding not specified.

AGENCY: DOT
COUNTRY: Germany
SUBJECT: Transportation
EIF DATE: 09/03/75 TERM DATE:
REMARKS: Active exchange program in all areas of transport, including measuring the influence of selected drugs on driving performance using a driver simulator; advanced transport techs & related aspects; energy & transport, civil aviation, vessel traffic systems, transport economics & planning. Ongoing agreement. Funding not specified.

AGENCY: DOT
COUNTRY: Germany
SUBJECT: Transportation
EIF DATE: 06/12/78 TERM DATE:
REMARKS: Ongoing agreement with Ministry of Research & Technology (MORT) and Ministry of Transport (MOT) regarding Development of Advanced Ground Transport, and the active transfer of documentation and meetings held pertaining to the TRANSRAPID system safety. Funding not specified.

AGENCY: DOT
COUNTRY: Germany
SUBJECT: Transportation
EIF DATE: 11/05/70 TERM DATE:
REMARKS: Program carried out by U.S., France, Germany, Italy, Japan, and the United Kingdom. Establishes cooperative research and exchange of information in the development of experimental safety vehicles. Continuing agreement. Funding not specified.

AGENCY: DOT
COUNTRY: Hungary
SUBJECT: Transportation
EIF DATE: 10/11/78 TERM DATE:
REMARKS: The Department of Transportation received a delegation of Hungarian Railroad officials on the 30th of October where information was exchanged on a wide spectrum of issues like economic policy, high-speed railway, road construction, civil aviation and the national transportation policy. Ongoing agreement. Funding not specified.

AGENCY: DOT
COUNTRY: Israel
SUBJECT: Transportation
EIF DATE: 11/12/74 TERM DATE:
REMARKS: Ongoing. The agreement outlines a program to achieve mutually advantageous cooperation in transportation research and development. Funding not specified.

AGENCY: DOT
COUNTRY: Italy
SUBJECT: Transportation
EIF DATE: 04/12/85 TERM DATE: 04/12/90
REMARKS: Initial areas of mutual interest: a) Containerization, b) Major infrastructure construction technology, c) Emergency transportation, d) Transportation safety, and e) Intermodal freight transportation. Replaces MOU of 10-06-69. Funding not specified.

AGENCY: DOT
COUNTRY: Italy
SUBJECT: Transportation
EIF DATE: 10/06/69 TERM DATE:
REMARKS: Termination date and funding not specified.

AGENCY: DOT
COUNTRY: Japan
SUBJECT: Transportation
EIF DATE: 11/18/70 TERM DATE:
REMARKS: MOU concerning cooperation in the development of Experimental Safety Vehicles; continued cooperation concerning rail transportation. Funding not specified.

AGENCY: DOT
COUNTRY: Mexico
SUBJECT: Transportation
EIF DATE: 06/01/89 TERM DATE:
REMARKS: Ongoing. Agreement between the United States Coast Guard and the Government of Mexico for cooperation in maritime search and rescue. Funding not specified.

AGENCY: DOT
COUNTRY: Mexico
SUBJECT: Transportation
EIF DATE: 11/16/72 TERM DATE:
REMARKS: Major areas for cooperation include highway, rail, oil pollution control, and border congestion. Ongoing agreement. Funding not specified.

AGENCY: DOT
COUNTRY: Multilateral
SUBJECT: Transportation
EIF DATE: TERM DATE:
REMARKS: Federal Highway Administration (FHWA) participates in highway projects and technical database coordination. Funding not specified.

AGENCY: DOT
COUNTRY: Multilateral
SUBJECT: Transportation
EIF DATE: TERM DATE:
REMARKS: UN Economic Commission for Europe (ECE): Inland Transport Committee Groups of Experts on Construction of Vehicles (WP 29) & Road Safety (GE 20); Combined Transport (GE 24); Transport of Dangerous Goods (GE 15); Funding not specified.

AGENCY: DOT
COUNTRY: Multilateral
SUBJECT: Transportation
EIF DATE: 01/01/70 TERM DATE:
REMARKS: Ongoing agreement. EUROCONTROL Group: Federal Aviation Administration (FAA) participates in civil aviation, management information exchanges on air navigation. Funding not specified.

AGENCY: DOT
COUNTRY: Multilateral
SUBJECT: Transportation
EIF DATE: TERM DATE:
REMARKS: Ongoing. United Nations International Civil Aviation Organization (ICAO); FAA participates in triennial Assembly Meetings; 9 Regional and various regional study groups; 2 technical committees; 14 Panels which have established 19 ad hoc study groups. Concerns science and technology and operational functions. Funding not specified.

AGENCY: DOT
COUNTRY: Multilateral
SUBJECT: Transportation
EIF DATE: TERM DATE:
REMARKS: USCG and MARAD participate in technology & policy sharing with the Permanent International Association of Navigational Congresses (PIANC). Funding provided by the Army Corps of Engineers.

AGENCY: DOT
COUNTRY: Multilateral
SUBJECT: Transportation
EIF DATE: TERM DATE:
REMARKS: United Nations Economic & Social Council: Committee of Experts on Transport of Dangerous Goods. Research and Special Program Administration (RSPA) participates in Committee. Funding not specified.

AGENCY: DOT
COUNTRY: Multilateral
SUBJECT: Transportation
EIF DATE: TERM DATE:
REMARKS: USCG continues active participation in UN's International Maritime Organization (IMO), representing U.S. in meetings of UNGA, Maritime Safety Committee (MSC), Marine Environment Protection Committee (MEPC), Legal Committee, the Technical Committee and associated subcommittees. Funding not specified.

AGENCY: DOT
COUNTRY: Multilateral
SUBJECT: Transportation
EIF DATE: TERM DATE:
REMARKS: Federal Railroad Administration (FRA) participates in the Pan American Railway Congress Association (PARCA) and meets triannually to discuss railroad issues in the western hemisphere. Funding not specified.

AGENCY: DOT
COUNTRY: Multilateral
SUBJECT: Transportation
EIF DATE: TERM DATE:
REMARKS: Maritime Administration (MARAD) represented the United States at the conference on International Cooperation on Marine Engineering Systems (ICMES). Conference held every three years with representatives from 23 countries. Vessel information was exchanged on reliability, safety, maintenance, manpower, and energy savings system. Funding not specified.

AGENCY: DOT
COUNTRY: Multilateral
SUBJECT: Transportation
EIF DATE: TERM DATE:
REMARKS: Maritime Administration (MARAD) participates in Inter-American Port & Harbor Conferences. Agreement between DOT and OAS. Funding not specified.

AGENCY: DOT
COUNTRY: Multilateral
SUBJECT: Transportation
EIF DATE: TERM DATE:
REMARKS: Organization for Economic Cooperation & Development (OECD); DOT represented on Road Transport Research Program Steering Committee and active in selected research studies. Funding not specified.

AGENCY: DOT
COUNTRY: Multilateral
SUBJECT: Transportation
EIF DATE: TERM DATE:
REMARKS: Ongoing. United Nations International Atomic Energy Agency (IAEA): Standing Advisory Group on Safe Transport of Radioactive Material. Funding not specified.

AGENCY: DOT
COUNTRY: Multilateral
SUBJECT: Transportation
EIF DATE: TERM DATE:
REMARKS: Permanent International Association of Road Congresses (PIARC) & Federal Highway Administration participated in the 19th World Road Congress held in Marrakesh which considered road policies, safety, environmental impact, management, operations, construction and maintenance. Funding by members' countries.

AGENCY: DOT
COUNTRY: Multilateral
SUBJECT: Transportation
EIF DATE: TERM DATE:
REMARKS: International Union of Railways (UIC); info exchanges; committee projects on rail research; annual membership dues of $40,000 and $6000 travel expenses. Federal Railroad Administration (FRA) participates on Committee of 173 to solve common railway problems and study rail contact fatigue. Funding not specified.

AGENCY: DOT
COUNTRY: Multilateral
SUBJECT: Transportation
EIF DATE: TERM DATE:
REMARKS: Pan American Highway Congress - Federal Highway Administration (FHWA) participates in Pan American Institute of Highways; training and technology transfer for highway construction to member countries. Funded by Pan American Highway Congress and member countries.

AGENCY: DOT
COUNTRY: Multilateral
SUBJECT: Transportation
EIF DATE: TERM DATE:
REMARKS: European Conference of Ministers of Transport (ECMT); various technical subjects; high-level policy discussions in Council Sessions. Funding not specified.

AGENCY: DOT
COUNTRY: Netherlands
SUBJECT: Transportation
EIF DATE: 09/28/77 TERM DATE:
REMARKS: Active ongoing program in all areas of transportation including transportation economics studies, highway traffic safety, civil aviation, urban systems, and marijuana smoking on actual driving performance using on-the-road driving situations in the Netherlands (under monitored conditions). Funding not specified.

AGENCY: DOT
COUNTRY: Poland
SUBJECT: Transportation
EIF DATE: 11/03/71 TERM DATE:
REMARKS: During 1991 the US provided $49,000 in laboratory and computer equipment to Polish collaborators in ongoing research and development; also, $24,000 was spent in support of 3 visiting scientists during their summer visit to the Transportation Systems Center in Cambridge, MA. (in conjunction with Brown University).

AGENCY: DOT
COUNTRY: Regional (Africa)
SUBJECT: Transportation
EIF DATE: TERM DATE:
REMARKS: DOT economists prepared an interim evaluation of USAID/Harare Transportation Sector Technical Assistance Grant; participated in the UNDP evaluation mission for the Transit Sector in Southern Africa Project; and participated in the Southern Africa Transportation Investment Priority Assesment (STIPA) for USAID Harare. Funding not specified.

AGENCY: DOT
COUNTRY: Regional (Africa)
SUBJECT: Transportation
EIF DATE: TERM DATE:
REMARKS: Ongoing. Civil aviation technical assistance in Cape Verde, Egypt, Liberia, and Morocco. Funding not specified.

AGENCY: DOT
COUNTRY: Regional (Asia)
SUBJECT: Transportation
EIF DATE: TERM DATE:
REMARKS: Ongoing. Highway technical assistance in Kuwait and Turkey. Funding not specified.

AGENCY: DOT
COUNTRY: Regional (Asia)
SUBJECT: Transportation
EIF DATE: TERM DATE:
REMARKS: Civil aviation tech assistance in Australia, Burma, Brunei, China, Hong Kong, ICAO, India, Indonesia, Israel, Japan, Jordan, Korea, Malaysia, Marshall Islands, The Maldives, Micronesia, Nepal, New Zealand, Oman, Pakistan, Palau, The Phillipines, etc. Funding not specified.

AGENCY: DOT
COUNTRY: Regional (Asia)
SUBJECT: Transportation
EIF DATE: TERM DATE:
REMARKS: Ongoing. Technical assistance to Saudi Arabia on transport system infrastructure establishment and training. Funding not specified.

AGENCY: DOT
COUNTRY: Regional (Europe)
SUBJECT: Transportation
EIF DATE: TERM DATE:
REMARKS: DOT participates on various committees of the UN Economic Commission for Europe (ECE): Committee on the Development of Trade; Working Party on Facilitation of International Trade Procedures (WP4); Electronic Data Interchange for Administration Commerce and Transportation (UN/EDIFACT). Funding not specified.

AGENCY: DOT
COUNTRY: Regional (Oceania)
SUBJECT: Transportation
EIF DATE: TERM DATE:
REMARKS: Ongoing. Highway technical assistance in Indonesia. Funding not specified.

AGENCY: DOT
COUNTRY: Regional (S America)
SUBJECT: Transportation
EIF DATE: TERM DATE:
REMARKS: Ongoing. Civil aviation technical assistance in Argentina, Bolivia, Brazil, Chile, Colombia, Ecuador, Peru, Surinam, Uruguay, & Venezuela. Funding not specified.

AGENGY: DOT
COUNTRY: Regional (S Pacific)
SUBJECT: Transportation
EIF DATE: TERM DATE:
REMARKS: USCG participates in the South Pacific Regional Environmental Protection Program (SPREP) which deals with ocean pollution from all sources, scientific and technical cooperation, environmental impact assessment, and an international oil pollution contingency plan. Funding not specified.

AGENCY: DOT
COUNTRY: Regional (W Hemis)
SUBJECT: Transportation
EIF DATE: TERM DATE:
REMARKS: Civil aviation tech assistance in Barbados, Bahamas, Canada, Cayman Islands, COCESNA, Dominican Republic, Grenada, Guyana, Haiti, Iceland, Jamaica, Mexico, Netherlands Antilles, Organization of Eastern Carribean States, Panama, Trinidad & Tobago. Funding not specified.

AGENCY: DOT
COUNTRY: Regional (W Hemis)
SUBJECT: Transportation
EIF DATE: TERM DATE:
REMARKS: Ongoing. Highway technical assistance in Barbados & Costa Rica. Funding not specified.

AGENCY: DOT
COUNTRY: Saudi Arabia
SUBJECT: Transportation
EIF DATE: 10/26/83 TERM DATE:
REMARKS: In 1991 total TRANSPORT Project team consisted of 9 employees: 6 in Riyadh and 3 in Washington with an approved budget of $20 million. The Project trained over 100 Saudi Arabian engineers in computer design and traffic engineering and initiated a comprehensive training for 1992.

AGENCY: DOT
COUNTRY: Spain
SUBJECT: Transportation
EIF DATE: 11/10/71 TERM DATE:
REMARKS: Cooperative research in the areas of high-speed ground projects, commuter transportation in large, densely populated urban areas, and railroad access to airports. Funding not specified.

AGENCY: DOT
COUNTRY: Spain
SUBJECT: Transportation
EIF DATE: 11/10/71 TERM DATE: 04/12/90
REMARKS: Although the agreement expired, the activities continue to be active by mutual consent. Transportation planning exchanges; concrete structure research; seismic effects on bridge deck systems; 5 projects were funded under the U.S.-Spain Agreement of Friendship, Defense and Cooperation, and carried out by U.S. universities. Present funding not specified.

AGENCY: DOT
COUNTRY: Sweden
SUBJECT: Transportation
EIF DATE: 03/15/72 TERM DATE:
REMARKS: Ongoing MOU concerning cooperation in the development of experimental safety vehicles. Funding not specified.

AGENCY: DOT
COUNTRY: United Kingdom
SUBJECT: Transportation
EIF DATE: 03/09/88 TERM DATE:
REMARKS: Original agreement altered to indefinite duration on 03-09-88; termination with 6 months' notice by either party. Involves general transport system planning exchanges; civil aviation security. Funding not specified.

AGENCY: DOT
COUNTRY: United Kingdom
SUBJECT: Transportation
EIF DATE: 05/11/71 TERM DATE:
REMARKS: Ongoing agreement establishes cooperation in all modes of transportation, information exchanges concerning policy formulations on public/private transport, exchange of science and technology, and the exchange of executive personnel. Funding not specified.

AGENCY: DOT
COUNTRY: USSR
SUBJECT: Transportation
EIF DATE: 05/01/89 TERM DATE:
REMARKS: Ongoing. Agreement between the U.S. Coast Guard and the Government of the Soviet Union for cooperation in marine pollution response. Funding not specified.

AGENCY: DOT
COUNTRY: USSR
SUBJECT: Transportation
EIF DATE: 01/10/89 TERM DATE:
REMARKS: Ongoing. Agreement between the DOT/USCG and MINMORFLOT to cover details of marine pollution response cooperation. Funding not specified.

AGENCY: DOT
COUNTRY: USSR
SUBJECT: Transportation
EIF DATE: 05/31/88 TERM DATE: 05/31/93
REMARKS: Ongoing agreement, annex to 1988 agreement between USG and GOSU; provides technical information to implement basic agreement. It provides for cooperative activities in the areas

of civil aviation, railroad safety, highway bridge construction and highway and traffic safety programs. The civil aviation program has been extremely active and most beneficial to both sides. Funding not specified.

AGENCY: DOT
COUNTRY: USSR
SUBJECT: Transportation
EIF DATE: 05/31/88 TERM DATE:
REMARKS: Agreement on establishment of joint (maritime) radionavigation system in the Bering Sea, which will coordinate USCG operated LORAN system with Soviet CHAYKA system. Ongoing discussions seek to resolve inherent technical details. Funding not specified.

ENVIRONMENTAL PROTECTION AGENCY

AGENCY: EPA
COUNTRY: Brazil
SUBJECT: Environment
EIF DATE: 11/16/90 TERM DATE: 11/16/95
REMARKS: MOU between EPA and the Brazilian Secretariat of Environment and Institute of Environment and Renewable Resources, authorizing cooperation activities concerning pollution studies and environmental protection. Funding not specified.

AGENCY: EPA
COUNTRY: Canada
SUBJECT: Environment
EIF DATE: 11/22/78 TERM DATE:
REMARKS: Termination date: Indefinite; last renewed in 1987, but is self-renewing after this date. US-Canadian Great Lakes Water Quality Agreement, providing for restoration and maintenance of chemical, physical, biological integrity of Great Lakes Basin ecosystem. As part of broad comprehensive goals, implements pollution control objectives of US-Canada Boundary Waters Treaty of '09. Funding not specified.

AGENCY: EPA
COUNTRY: Canada
SUBJECT: Environment
EIF DATE: 03/13/91 TERM DATE:
REMARKS: Self-renewing unless one party gives 1 year's termination notice. President Bush signed this Agreement into force in 1991; emphasis is on acid rain. U.S.-Canada Agreement on Air Quality. Annex II - Science and Technology Activities and Economic Research. Funding not specified.

AGENCY: EPA
COUNTRY: Canada
SUBJECT: Environment
EIF DATE: 10/17/85 TERM DATE: 10/17/90
REMARKS: EPA-Environment Canada MOU of accidental and unauthorized discharges of pollutants along inland boundary. Contains plans to deal with accidental releases of pollutants (Emergency Response Agreement), joint contingency plan for inland border areas of Great Lakes and non-maritime areas. Self-renewing agreement. Funding not specified.

AGENCY: EPA
COUNTRY: Canada
SUBJECT: Environment
EIF DATE: 02/04/87 TERM DATE:
REMARKS: Declarations of intent on toxic pollution of Niagara River and Lake Ontario. EPA, Environment Canada, NY State Department of Environmental Conservation and Ontario Ministry of Environment entered into agreement; helps to achieve goals of Boundary Waters Treaty of '09. Funds not specified.

AGENCY: EPA
COUNTRY: Canada
SUBJECT: Environment
EIF DATE: 10/17/85 TERM DATE: 10/17/90
REMARKS: MOU with Canada, providing framework for cooperation on S&T exchange. Includes pollution measurement and control, R&D of improved technologies, approaches and systems for pollution control. Very active and productive agreement. Although expired, agreement's activities continue while IPR annex under negotiation. Funding not specified.

AGENCY: EPA
COUNTRY: China
SUBJECT: Environment
EIF DATE: 01/31/79 TERM DATE: 05/24/96
REMARKS: U.S.-PRC Protocol on Environmental Cooperation, recently extended to co-terminate with S&T agreement, involves ongoing projects in the following areas: health effects, air pollution transport and transformation, soil and ground water pollution studies, water pollution fate and transport, aquatic effects, climate change research, methane emission control and recovery, and CFC reduction and substitutes. Funding not specified.

AGENCY: EPA
COUNTRY: Germany
SUBJECT: Environment
EIF DATE: 05/09/74 TERM DATE:
REMARKS: Self-renewing agreement with German Ministry of Environment, Nature Proctection, and Nuclear Safety; cooperation on auto emissions, acid deposition, economic incentives, regulatory approaches, emission and effluent control techs, chemical and pestici regulations. Funding not specified.

AGENCY: EPA
COUNTRY: India
SUBJECT: Environment
EIF DATE: 11/01/86 TERM DATE:
REMARKS: Ongoing. Participates in the U.S.-India Fund for Educational, Cultural, and Scientific Cooperation. October 1991

meetings in India identified the following areas for cooperation: environmental information exchange, pollution prevention, clean and remedial technologies, fate and transport of pollutants, global change, habitat characterization, and environmental education. Funding not specified.

AGENCY: EPA
COUNTRY: Israel
SUBJECT: Environment
EIF DATE: 02/20/91 TERM DATE:
REMARKS: Self-renewing every 5 yrs. MOU between EPA and the Ministry of Environment of Israel to promote exchanges of scientific and technical information; exchange visits of scientific personnel; cooperation in holding of scientific symposia and workshops; and cooperative research. Funding not specified.

AGENCY: EPA
COUNTRY: Italy
SUBJECT: Environment
EIF DATE: 03/01/87 TERM DATE:
REMARKS: Self-renewing MOU between EPA and the Italian Ministry of the Environment unless either party notifies the other with a 3 months' notice; priority areas include hazardous and municipal solid waste management, environmental technologies, accident prevention and research. Funding not specified.

AGENCY: EPA
COUNTRY: Japan
SUBJECT: Environment
EIF DATE: 08/05/75 TERM DATE:
REMARKS: Self-renewing every 5 years. Agreement between U.S. Government and Japan's Ministry of Agriculture, Forestry and Fisheries on cooperation in good laboratory practices and in the field of environmental protection: 15 projects-air pollution related meteorology, automobile pollution related meteorology, environmental economics and incentives, environmental impact assessments, food chemistry, water quality, identification and containerization of toxic substances, management of bottom sediments, photochemical air pollution, sewage treatment, stationary source pollution containment, solid waste management, water conservation and flow redirection, drinking water, protection of global atmosphere. Funding not specified.

AGENCY: EPA
COUNTRY: Korea
SUBJECT: Environment
EIF DATE: TERM DATE:
REMARKS: An MOU between EPA and the Korean Environment Agency was agreed to in November 1987. The agreement has not been

implemented because IPR issues have held up the signing of the formal US-ROK agreement. Funding not specified.

AGENCY: EPA
COUNTRY: Mexico
SUBJECT: Environment
EIF DATE: 10/04/89 TERM DATE:
REMARKS: Termination date: Indefinite. Agreement to protect and improve the environment in Mexico City focusing initially on air quality, water quality, waste management, health aspects of environmental pollution, and sustainable development. Funding not specified.

AGENCY: EPA
COUNTRY: Mexico
SUBJECT: Environment
EIF DATE: 01/01/83 TERM DATE:
REMARKS: Termination date: Indefinite. Governmental agreement for cooperation in the protection, improvement and conservation of the border environment. Significant progress has occurred under this agreement in a number of problem-specific areas through the conclusion and implementation of five annexes, as follows: Tijuana sewage (Annex I); accidental spills of hazardous wastes along the inland boundary (Annex II); Transboundary movement of hazardous wastes and substances (Annex III); regulation of air pollution from smelters in the Arizona-Sonora "Copper Triangle" (Annex IV); and air pollution monitoring in sister cities along the border (Annex V). Funding not specified.

AGENCY: EPA
COUNTRY: Netherlands
SUBJECT: Environment
EIF DATE: 06/17/85 TERM DATE:
REMARKS: Self-renewing(every 5 yrs.) MOU with Ministry of Housing, Physical Planning, and Environment; includes work on integrated planning, enforcement, air quality, economic incentives, water quality. EPA and Ministry co-sponsor symposium on air-related enforcment. Funds not specified.

AGENCY: EPA
COUNTRY: Poland
SUBJECT: Environment
EIF DATE: 09/10/87 TERM DATE: 09/10/92
REMARKS: EPA and Ministry of Environment agreement on research, demonstration projects and workshops on environmental policy and management, water quality modeling, hazardous waste management, radionuclide migration in food chain, wastewater and air pollution work. Funding not specified.

AGENCY: EPA
COUNTRY: United Kingdom
SUBJECT: Environment
EIF DATE: 06/02/86 TERM DATE:
REMARKS: Five-year self-renewing agreement for the exchange of information regarding management of hazardous wastes and acid deposition. Coordination of positions on international issues. Funding not specified.

AGENCY: EPA
COUNTRY: USSR
SUBJECT: Environment
EIF DATE: 05/23/72 TERM DATE: 09/10/92
REMARKS: EPA and MINPRIRODA are lead agencies for this self-renewing agreement; projects on areas of air and water pollution, park management, nature protection, climate change, earthquake prediction, Arctic and Subarctic ecosystems, environment, and education. Funding not specified.

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

AGENCY: NASA
COUNTRY: Argentina
SUBJECT: Space
EIF DATE: 08/06/91 TERM DATE:
REMARKS: MOU concerning the SAC-B astrophysics engineering demonstration mission. Agreement continues for the duration of the mission, plus 3 years for analysis. Funding is NASA programmatic.

AGENCY: NASA
COUNTRY: Argentina
SUBJECT: Earth Sciences
EIF DATE: 08/06/91 TERM DATE: 08/06/96
REMARKS: MOU framework agreement for potential future cooperation, primarily in earth sciences. Cooperative projects in the civil uses of space research. Funding not specified.

AGENCY: NASA
COUNTRY: Australia
SUBJECT: Space
EIF DATE: 01/01/64 TERM DATE: 05/02/2000
REMARKS: NASA tracking stations in Australia. Funding not specified.

AGENCY: NASA
COUNTRY: Australia
SUBJECT: Space
EIF DATE: 09/01/87 TERM DATE: 09/01/97
REMARKS: Funding is NASA programmatic. Sounding rocket agreement.

AGENCY: NASA
COUNTRY: Australia
SUBJECT: Atmospheric Science
EIF DATE: 07/24/85 TERM DATE: 07/24/90
REMARKS: Funding is NASA programmatic. Long-duration balloon flight program. Flights originate in Australia. A new combined, long duration/short duration agreement is under discussion and imminent.

AGENCY: NASA
COUNTRY: Brazil
SUBJECT: Space
EIF DATE: 09/01/89 TERM DATE:
REMARKS: Global Tropospheric Experiment. Agreement will terminate one year after completion of the final GTE/CITE-3 mission. Funding not specified.

AGENCY: NASA
COUNTRY: Brazil
SUBJECT: Atmospheric Science
EIF DATE: 11/21/90 TERM DATE: 11/21/97
REMARKS: MOU between NASA and COBAE (Comissao Brasileira de Actividades Espaciais) concerning balloon cooperation to study ozone. Funding not specified.

AGENCY: NASA
COUNTRY: Brazil
SUBJECT: Space
EIF DATE: 06/08/90 TERM DATE: 06/08/95
REMARKS: On-going. Cooperative atmospheric research program using small sounding rockets. Funding not specified.

AGENCY: NASA
COUNTRY: Canada
SUBJECT: Space & Aeronautics
EIF DATE: 07/09/76 TERM DATE:
REMARKS: Ongoing. Cooperative participation in the development and procurement of a Space Shuttle Attached Remote Manipulator System. Funding not specified.

AGENCY: NASA
COUNTRY: Canada
SUBJECT: Space (Earth Obs)
EIF DATE: 02/27/91 TERM DATE: 02/27/96
REMARKS: Agreement between Canadian Space Agency and NASA/NOAA for NASA launch of Canadian Radarsat in exchange for Earth observations research data and U.S. private sector role in data distribution. Funding through respective governments.

AGENCY: NASA
COUNTRY: Canada
SUBJECT: Space & Aeronautics
EIF DATE: 09/29/88 TERM DATE:
REMARKS: Entering Phase X/D of Space Station Program; Detailed Design & Development; total funding for international partners in excess of $7.0 billion, Canadian hardware accounting for over $1 billion.

AGENCY: NASA
COUNTRY: Chile
SUBJECT: Space
EIF DATE: 08/02/85 TERM DATE: 08/02/93
REMARKS: Use of Easter Island airport as a Space Shuttle emergency landing site. Funding not specified.

AGENCY: NASA
COUNTRY: France
SUBJECT: Space
EIF DATE: 03/23/87 TERM DATE:
REMARKS: MOU between NASA and the French Centre National d'Etudes Spatiales for Joint Development of TOPEX/POSEIDON ocean project. Termination will occur one year after data collection from spacecraft ceases, or extended by agreement. (The mission is not scheduled for launching before June 1992.) Funding: NASA Programmatic.

AGENCY: NASA
COUNTRY: France
SUBJECT: Space
EIF DATE: 09/01/84 TERM DATE: 09/01/94
REMARKS: Use of Polynesian Island (Hao) as a Space Shuttle emergency landing site in the event of a problem with an STS polar mission launched from Vandenberg AFB. Although still "in force" it is likely not to be used, as it was decided that flights would not take off from Vandenberg and, therefore, Hao would probably not be used. Funding not specified.

AGENCY: NASA
COUNTRY: Gambia (The)
SUBJECT: Space
EIF DATE: 03/01/88 TERM DATE: 03/01/98
REMARKS: Use of Gambian air field as a Space Shuttle emergency landing site. Funding not specified.

AGENCY: NASA
COUNTRY: Germany
SUBJECT: Space
EIF DATE: 10/15/81 TERM DATE:
REMARKS: MOU between NASA and Federal Minister for Research and Technology on cooperative participation in the Active Magnetospheric Particle Tracer Explorers (solar physics-winds ions). Expiration with one year's notice. Funding: NASA programmatic.

AGENCY: NASA
COUNTRY: Germany
SUBJECT: Space
EIF DATE: 07/10/89 TERM DATE: 12/31/99
REMARKS: MOU between NASA and the Federal Ministry of Research and Technology of Germany concerning Space Shuttle flight activities, covering the D-2 mission (1993) and possible future activities to study the effects of microgravity. Funding is NASA programmatic.

AGENCY: NASA
COUNTRY: Germany
SUBJECT: Space
EIF DATE: 10/06/87 TERM DATE:
REMARKS: Has not begun; might be having budget problems. MOU between NASA and Federal Minister for Research and Technology of Germany for cooperative flights of the Spaceborne Imaging Radar (SIR) with the X-Band Synthetic Aperture Radar (X-SAR). Expires one year after final mission. Funding: NASA Programmatic.

AGENCY: NASA
COUNTRY: Germany
SUBJECT: Space
EIF DATE: 10/05/77 TERM DATE:
REMARKS: MOU between NASA and the Federal Minister for Research and Technology of Germany. Agreement continues until terminated with one year's notice. Cooperative participation in Galileo mission to Jupiter. Spacecraft launched 10/89. Funding: NASA programmatic.

AGENCY: NASA
COUNTRY: Germany
SUBJECT: Space
EIF DATE: 08/08/82 TERM DATE:
REMARKS: MOU between NASA and Germany's Federal Minister for Research and Technology on the Roentgensatellit Project (ROSAT). Launched 6/1/90. Agreement will continue until terminated with one year's notice. The FRG provided the spacecraft and telescope. Funding: NASA programmatic.

AGENCY: NASA
COUNTRY: Israel
SUBJECT: Space
EIF DATE: 10/06/86 TERM DATE:
REMARKS: Exchange of Scientific and Technical Information. Funding is NASA programmatic.

AGENCY: NASA
COUNTRY: Italy
SUBJECT: Space
EIF DATE: 03/07/84 TERM DATE:
REMARKS: MOU between the National Research Council (CNR) of Italy (CNR superseded in 1988 by the Italian Space Agency) and NASA for cooperative development and the launch of the Lageos-2/IRIS Space Shuttle mission. Expires 2 years after launch of Lageos-2 joint mission. Funding: NASA programmatic.

AGENCY: NASA
COUNTRY: Italy
SUBJECT: Space
EIF DATE: 03/13/86 TERM DATE:
REMARKS: Expected termination date is Summer 1993, a year after completion of the joint mission. MOU between the National Research Council (CNR) of Italy (CNR superseded in 1988 by the Italian Space Agency) and NASA for cooperative development and launch of the Tethered Satellite System Space Shuttle (TSS). Funding: NASA programmatic.

AGENCY: NASA
COUNTRY: Japan
SUBJECT: Space
EIF DATE: 09/05/89 TERM DATE:
REMARKS: Termination date: indefinite. Entering Phase C/D/E of Space Station Program; Detailed Design and Development; total funding with international partners in excess of $7.0 billion; Japanese hardware accounting for $2 billion.

AGENCY: NASA
COUNTRY: Japan
SUBJECT: Space
EIF DATE: 01/28/88 TERM DATE:
REMARKS: S&T collaboration between the National Space Development Agency (NASDA) and NASA, like direct reception of data from Japan's JERS-1 spacecraft at a NASA receiving station. MOU agreement in force up to 1 year after technical lifetime of JERS-1. Funding not specified.

AGENCY: NASA
COUNTRY: Japan
SUBJECT: Space (SSLG)
EIF DATE: 07/01/79 TERM DATE:
REMARKS: Agreement based on letter exchange between NASA Administrator and Japanese SAC Chairman in July 1979. Programs include: Astrophysics (4 themes), solar system science (10 themes), earth observation (7 themes), life science (2 themes),

and microgravity science (5 themes). Termination date: indefinite. Funding not specified.

AGENCY: NASA
COUNTRY: Japan
SUBJECT: Space (FMPT)
EIF DATE: 03/30/85 TERM DATE: 09/30/95
REMARKS: MOU between NASA and the National Space Development Agency (NASDA) for furnishing launch and associated services for SPACELAB J/FMPT (first material processing test) on reimbursable basis. Further funding not specified.

AGENCY: NASA
COUNTRY: Japan
SUBJECT: STSP (Space Physics)
EIF DATE: 12/19/89 TERM DATE:
REMARKS: Geotail satellite cooperation. Termination one year after mission completion. Funding: NASA programmatic.

AGENCY: NASA
COUNTRY: Morocco
SUBJECT: Space
EIF DATE: 01/01/87 TERM DATE: 01/01/97
REMARKS: Use of Moroccan air base as a Space Shuttle emergency landing site. Funding not specified.

AGENCY: NASA
COUNTRY: Multilateral (ESA)
SUBJECT: STSP (Space Physics)
EIF DATE: 11/30/89 TERM DATE:
REMARKS: MOU concerning Solar Terrestrial Research Programme; to be extended by mutual agreement. Funding: NASA programmatic.

AGENCY: NASA
COUNTRY: Multilateral (ESA)
SUBJECT: Space
EIF DATE: 09/29/88 TERM DATE:
REMARKS: MOU between ESA, NASA, Canada, Japan on Cooperation in the detailed design, development and operation and utilization of the permanently manned Civil Space Station. Total Funding: $7.0 billion for all partners; ESA hardware accounting for $4 billion.

AGENCY: NASA
COUNTRY: Multilateral (ESA)
SUBJECT: Spacelab
EIF DATE: 01/01/73 TERM DATE: 11/28/91
REMARKS: Procurement and use of a space laboratory in conjunction with the Space Shuttle system. Signed in 1973, Department of State has confirmation records. MOU funded; NASA programmatic.

AGENCY: NASA
COUNTRY: Multilateral (ESA)
SUBJECT: Space
EIF DATE: 12/17/90 TERM DATE:
REMARKS: Agreement between NASA and ESA for NASA Saturn Orbiter and ESA Huygens Probe for planned launch in 1996; MOU terminates 12 years after launch. Funding through respecpective governments.

AGENCY: NASA
COUNTRY: Multilateral (ESA)
SUBJECT: IUE (Astronomy)
EIF DATE: 03/21/74 TERM DATE:
REMARKS: MOU between ESA and NASA on International Ultraviolet Explorer space astronomy mission. Expiration is indefinite or until terminated with 180 days' notice. Funding: NASA programmatic.

AGENCY: NASA
COUNTRY: Multilateral (ESA)
SUBJECT: Space
EIF DATE: 03/29/79 TERM DATE: 10/06/95
REMARKS: Ulysses; MOU on cooperative mission to study the poles of the sun between ESA and NASA. Formerly called the International Solar Polar Mission. Expires 5 years after launch (10/06/90). Funding: NASA programmatic.

AGENCY: NASA
COUNTRY: Multilateral (ESA)
SUBJECT: Space
EIF DATE: 01/14/86 TERM DATE:
REMARKS: Agreement for tracking and data reception for the ESA Earth Remote Sensing Satellite (ERS-1) at Fairbanks. Indefinite MOU in force through life of instruments. Renewable for 3 years extension through exchange of letters. Funding: NASA programmatic.

AGENCY: NASA
COUNTRY: Multilateral (ESA)
SUBJECT: STSP (Space Physics)
EIF DATE: 03/17/75 TERM DATE:
REMARKS: International Sun/Earth Explorer program. MOU between ESA and NASA regarding solar terrestrial physics. Expiration is indefinite, as it will continue until terminated with 180 days notice. Funding: NASA programmatic.

AGENCY: NASA
COUNTRY: Multilateral (ESA)
SUBJECT: Space
EIF DATE: 10/07/77 TERM DATE: 04/24/2001
REMARKS: Cooperative participation in the development and use of the Hubble Space Telescope. MOU between ESA and NASA to expire 11 years after launch (4/24/90). Renewal requires consultation one year prior to expiration. Funding: NASA programmatic.

AGENCY: NASA
COUNTRY: Norway
SUBJECT: Space
EIF DATE: 07/17/75 TERM DATE:
REMARKS: Agreement for sounding rocket launches from Andoya, Norway. Funding not specified.

AGENCY: NASA
COUNTRY: Senegal
SUBJECT: Space
EIF DATE: 01/30/81 TERM DATE: 12/31/90
REMARKS: NASA tracking station in Senegal being extended for six years. Funding not specified.

AGENCY: NASA
COUNTRY: Senegal
SUBJECT: Space
EIF DATE: 01/01/83 TERM DATE: 01/01/93
REMARKS: Use of Senegalese air field as a Space Shuttle emergency landing site. Funding not specified.

AGENCY: NASA
COUNTRY: Spain
SUBJECT: Space
EIF DATE: 01/29/64 TERM DATE: 01/29/94
REMARKS: Renewal of older agreement between NASA and Spain (EIF-05/01/84 to /89). Use of Spanish air bases as Space Shuttle emergency landing sites and allows for a NASA tracking station. Will be extended in 10-yr. increments. Funding not specified.

AGENCY: NASA
COUNTRY: Spain
SUBJECT: Space
EIF DATE: 07/11/91 TERM DATE: 07/11/99
REMARKS: Renewable after 8 years. Use of Spanish air base as Space Shuttle emergency site. Promotion of space R&D cooperation. Funding not specified.

AGENCY: NASA
COUNTRY: Sweden
SUBJECT: Space
EIF DATE: 08/28/73 TERM DATE:
REMARKS: Ongoing agreement for sounding rocket launches from Esrange, Sweden. Funding not specified.

AGENCY: NASA
COUNTRY: USSR
SUBJECT: Space
EIF DATE: 04/15/87 TERM DATE: 04/14/92
REMARKS: Cooperation in 5 areas of space science and applications: Space biology and medicine; solar system exploration; astronomy and astrophysics; solar terrestrial physics; and earth sciences. Funding not specified.

AGENCY: NASA
COUNTRY: USSR
SUBJECT: Space
EIF DATE: 07/25/90 TERM DATE:
REMARKS: A U.S. Total Ozone Mapping Spectrometer (TOMS), including an Interface Adapter Module, will be launched on a Soviet Meteor-3 satellite in August, 1991. Funding not specified.

NATIONAL SCIENCE FOUNDATION

AGENCY: NSF
COUNTRY: Argentina
SUBJECT: Basic Sciences
EIF DATE: 08/01/72 TERM DATE: 08/01/92
REMARKS: Supports collaborative research, workshops, and short-term planning visits. Funding not specified.

AGENCY: NSF
COUNTRY: Argentina
SUBJECT: Environment
EIF DATE: 06/19/89 TERM DATE: 06/19/91
REMARKS: Ozone in upper atmosphere study. Funding not specified.

AGENCY: NSF
COUNTRY: Australia
SUBJECT: Basic Sciences
EIF DATE: 10/01/68 TERM DATE: 11/01/90
REMARKS: Currently under renegotiation by the Department of State. Funding not specified.

AGENCY: NSF
COUNTRY: Austria
SUBJECT: Basic Sciences
EIF DATE: 02/28/89 TERM DATE: 02/27/94
REMARKS: Joint research; joint S&T education projects; visits; exchange of personnel and information; meeting, seminar, and workshop support. Previous agreement: 1984-1989. Funding not specified.

AGENCY: NSF
COUNTRY: Belgium
SUBJECT: Basic Sciences
EIF DATE: 06/02/85 TERM DATE: 06/01/90
REMARKS: Activities include scientific exchanges and fellowships, joint seminars and workshops, joint research, and staff exchanges. Ongoing, although agreement expired. Funding not specified.

AGENCY: NSF
COUNTRY: Brazil
SUBJECT: Basic Sciences
EIF DATE: 03/06/84 TERM DATE: 05/01/91
REMARKS: S&T initiative signed by Presidents Sarney and Reagan; NSF has a lead role in basic sciences and engineering, and approx $600,000 has been designated for NSF, $300,000 for basic sciences; the rest for engineering.

AGENCY: NSF
COUNTRY: Brazil
SUBJECT: Basic Sciences
EIF DATE: 04/13/84 TERM DATE: 05/01/91
REMARKS: Projects under S&T umbrella agreement: information and personnel exchanges; joint research; seminars, workshops, and meetings. Funding not specified.

AGENCY: NSF
COUNTRY: Bulgaria
SUBJECT: Basic Sciences
EIF DATE: 02/09/78 TERM DATE: 02/09/93
REMARKS: Joint research, seminars and workshops; and short term project development visits. Funding not specified.

AGENCY: NSF
COUNTRY: Chile
SUBJECT: Environment
EIF DATE: 11/13/90 TERM DATE: 11/13/93
REMARKS: Automatic renewal process every 3 years. MOU Framework for joint cooperation between NSF/DPP (Division of Polar Programs) and its counterpart, the Chilean Antarctic Institute. Chile provides vital role in logistics for Antarctic activities. Funding not specified.

AGENCY: NSF
COUNTRY: China
SUBJECT: Basic Sciences
EIF DATE: 12/10/80 TERM DATE: 12/09/90
REMARKS: Protocol under extended S&T umbrella agreement; basic and applied sciences and social sciences. Funding not specified. Renewal pending.

AGENCY: NSF
COUNTRY: China
SUBJECT: Earth Sciences
EIF DATE: 01/24/80 TERM DATE: 04/30/91
REMARKS: Ongoing Protocol under S&T umbrella agreement; joint program with USGS. Funding not specified.

AGENCY: NSF
COUNTRY: Czechoslovakia
SUBJECT: Basic Sciences
EIF DATE: 06/27/88 TERM DATE: 01/10/92
REMARKS: Ongoing. Cooperative research projects, joint seminars and workshops. Funding not specified.

AGENCY: NSF
COUNTRY: Finland
SUBJECT: Basic Sciences
EIF DATE: 04/07/86 TERM DATE: 04/07/91
REMARKS: Renewal of MOU under discussion. Projects under the umbrella S&T agreement; prior MOU existed from 8/80-8/85; visits; personnel & staff exchanges; fellowships; joint research, seminars, and workshops. Funding not specified.

AGENCY: NSF
COUNTRY: France
SUBJECT: Basic Sciences
EIF DATE: 01/01/70 TERM DATE: 05/02/88
REMARKS: MOU for joint research and workshops. Continuing even though officially held up by IPR language. Funding not specified.

AGENCY: NSF
COUNTRY: Hungary
SUBJECT: Basic Sciences
EIF DATE: 07/07/82 TERM DATE: 07/07/92
REMARKS: Joint research, seminars, and workshops; covers all aspects of basic & applied natural & engineering sciences, social sciences, & math. An earlier generation of this agreement (NSF/KKI July '72) predated the umbrella. Funding not specified.

AGENCY: NSF
COUNTRY: Israel
SUBJECT: Basic Sciences
EIF DATE: 06/26/91 TERM DATE: 06/26/96
REMARKS: MOU signed by NCRD/NSF 5/85 for personnel and information exchanges in basic and applied sciences; program presently is supporting annual workshops on subjects of mutual interest to science community. Further extension under review. Funding not specified.

AGENCY: NSF
COUNTRY: Italy
SUBJECT: Basic Sciences
EIF DATE: 06/19/67 TERM DATE: 04/01/93
REMARKS: Projects under S&T umbrella agreement; provides for joint research, seminars and workshops; information and personnel exchanges. NSF counterpart is the Italian National Research Council. U.S. Department of State and Italian Foreign Ministry-lead agencies. The agreement is to be replaced by a NSF-CNR cooperation agreement, but is held up by disagreement on intellectual property treatment. Funding not specified.

AGENCY: NSF
COUNTRY: Japan
SUBJECT: Energy
EIF DATE: 10/05/81 TEPM DATE:
REMARKS: Renewed 02/90; termination date - 02/95. MOUs with Ministry of Education, Science, and Culture (MONBUSHO) and the Science and Technology Agency (STA) to support cooperative research and science seminars in the areas of photosynthesis and photoconversion. These MOUs are conducted as a protocol, which NSF administers, under the DOE-administered umbrella energy agreement (No. 34). Funding not specified.

AGENCY: NSF
COUNTRY: Japan
SUBJECT: Computer Science
EIF DATE: 04/01/87 TERM DATE:
REMARKS: Ongoing. Establishes exchange program. Funding: variable, $70 thousand to date.

AGENCY: NSF
COUNTRY: Japan
SUBJECT: Basic Sciences
EIF DATE: 06/01/63 TERM DATE: 06/01/93
REMARKS: Seminars & workshops; long-term joint research visits; short-term project development visits; annual seminars identify joint priorities. Funding not specified. Renewal automatic unless parties refuse.

AGENCY: NSF
COUNTRY: Japan
SUBJECT: Computer Science
EIF DATE: 06/01/86 TERM DATE:
REMARKS: MOU with the Japanese Institute for new generation computer technology (ICOT), under which ICOT will host up to 3 NSF-supported researchers for 6-12 month cooperative research visits per year. Termination date: indefinite. Detailed funding information not specified.

AGENCY: NSF
COUNTRY: Japan
SUBJECT: Basic Science
EIF DATE: 06/01/88 TERM DATE: 06/01/93
REMARKS: Ongoing. MOU with the Agency of Industrial Science and Technology (AIST/MITI) to send up to 30 researchers per year to AIST labs for 6-12 month stays. Renewable every 5 years if both parties concur; renewed in 1990. Funding information not specified.

AGENCY: NSF
COUNTRY: Korea
SUBJECT: Basic Sci & Engnring
EIF DATE: 05/24/77 TERM DATE: 05/24/92
REMARKS: MOU renewed'82,'87. Renewable every 5 years. When S&T umbrella agreement is renegotiated & signed, MOU under IPR protection. Joint research, seminars, & workshops; long-term joint research visits; short-term project development. Funding not specified.

AGENCY: NSF
COUNTRY: Mexico
SUBJECT: Basic Sciences
EIF DATE: 06/15/72 TERM DATE:
REMARKS: Ongoing. Projects under S&T umbrella agreement; information & personnel exchanges; joint research; seminars, workshops, & meetings. Dept of State and Mexican Foreign Ministry are lead agencies. Funding not specified.

AGENCY: NSF
COUNTRY: New Zealand
SUBJECT: Basic Sciences
EIF DATE: 05/21/91 TERM DATE: 05/20/96
REMARKS: Signed on 05/21/91 to replace agreement of 02/01/74. Projects under S&T umbrella agreement: joint research; information and personnel exchanges; utilization of installation. NSF counterpart is Ministry of Science, Research and Technology (MORST). Funding not specified.

AGENCY: NSF
COUNTRY: Poland
SUBJECT: Basic Sciences
EIF DATE: 06/13/88 TERM DATE: 06/13/93
REMARKS: MOU under the 1987 S&T umbrella agreement provides for joint research projects, seminars and workshops, and short-term project development visits. Funding not specified.

AGENCY: NSF
COUNTRY: Romania
SUBJECT: Basic Sciences
EIF DATE: 02/27/79 TERM DATE: 02/27/88
REMARKS: Joint workshops & seminars; short-term project development visits; joint research. Renewal pending. Funding not specified.

AGENCY: NSF
COUNTRY: Saudi Arabia
SUBJECT: Basic Sci & Engnring
EIF DATE: 06/01/79 TERM DATE: 02/13/95
REMARKS: Project agreement in conjunction with US Treasury Department; institutional development of a national S&T information system, grants program and a national research institutes, science education. An exchange of letters. Funding not specified.

AGENCY: NSF
COUNTRY: Sweden
SUBJECT: Basic Sciences
EIF DATE: 10/20/84 TERM DATE: 10/20/89
REMARKS: Letter of Agreement for joint research, seminars, workshops & scientific exchanges with the National Science Research Council of Sweden. Consideration of renewal under process. Funding not specified.

AGENCY: NSF
COUNTRY: Taiwan
SUBJECT: Basic Science
EIF DATE: 09/24/80 TERM DATE:
REMARKS: On-going. Funding not specified.

AGENCY: NSF
COUNTRY: USSR
SUBJECT: Basic Sciences
EIF DATE: 05/06/89 TERM DATE: 05/06/94
REMARKS: MOU under the 1989 Basic Sciences intergovernmental agreement. Provides for joint research projects, seminars and workshops, and short-term project development visits. Funding not specified.

NUCLEAR REGULATORY COMMISSION

AGENCY: NRC
COUNTRY: Argentina
SUBJECT: Nuclear Safety
EIF DATE: 11/30/90 TERM DATE: 11/30/95
REMARKS: MOU with CNEA for technical information exchange directly applicable to the safety of operating civil power and research reactors. Funding not specified.

AGENCY: NRC
COUNTRY: Austria
SUBJECT: Nuclear Safety
EIF DATE: 11/27/89 TERM DATE: 11/27/94
REMARKS: Source Term Research and Application with OEFZS. Funding not specified.

AGENCY: NRC
COUNTRY: Belgium
SUBJECT: Nuclear Safety
EIF DATE: 02/01/83 TERM DATE:
REMARKS: Termination date: Indefinite. Severe accident research with BNL and CEN/SCK. Funding not specified.

AGENCY: NRC
COUNTRY: Belgium
SUBJECT: Nuclear Safety
EIF DATE: 06/06/78 TERM DATE: 05/02/93
REMARKS: Information exchange and general technical cooperation with Belgian Government. Funding not specified.

AGENCY: NRC
COUNTRY: Brazil
SUBJECT: Nuclear Safety
EIF DATE: 05/20/76 TERM DATE: 05/18/94
REMARKS: Information exchange and general technical cooperation with CNEN. Funding not specified.

AGENCY: NRC
COUNTRY: Canada
SUBJECT: Nuclear Safety
EIF DATE: 02/10/84 TERM DATE: 10/15/91
REMARKS: Renewal under negotiation. Severe accident research with AECL. Funding not specified.

AGENCY: NRC
COUNTRY: Canada
SUBJECT: Nuclear Safety
EIF DATE: 06/21/89 TERM DATE: 06/21/94
REMARKS: Information exchange and general technical cooperation with AECB. Funding not specified.

AGENCY: NRC
COUNTRY: Canada
SUBJECT: Nuclear Safety
EIF DATE: 05/20/87 TERM DATE:
REMARKS: Renewal under negotiation. International piping integrity research. Cooperation will continue under IPIRG-2. Funding not specified.

AGENCY: NRC
COUNTRY: China
SUBJECT: Nuclear Safety
EIF DATE: 10/17/81 TERM DATE: 10/17/91
REMARKS: Renewal under negotiation. Information exchange and general technical cooperation with NNSA; protocol. Renewal under negotiation. Funding not specified.

AGENCY: NRC
COUNTRY: Czechoslovakia
SUBJECT: Nuclear Safety
EIF DATE: 04/14/89 TERM DATE: 04/14/94
REMARKS: Information exchange and general technical cooperation with AEC. Funding not specified.

AGENCY: NRC
COUNTRY: Egypt
SUBJECT: Nuclear Safety
EIF DATE: 06/08/81 TERM DATE:
REMARKS: Renewal under negotiation. Information exchange and general technical cooperation with AEA; extension being renegotiated. Funding not specified.

AGENCY: NRC
COUNTRY: European Community
SUBJECT: Nuclear Safety
EIF DATE: 09/20/84 TERM DATE: 09/19/89
REMARKS: Renewal under negotiation. General safety research agreement. Funding not specified.

AGENCY: NRC
COUNTRY: Finland
SUBJECT: Nuclear Safety
EIF DATE: 04/26/89 TERM DATE: 04/26/93
REMARKS: Participation in Severe Accident Research Program with STUK and VTT. Funding not specified.

AGENCY: NRC
COUNTRY: Finland
SUBJECT: Nuclear Safety
EIF DATE: 09/26/80 TERM DATE: 07/09/95
REMARKS: Information exchange and general technical cooperation with STUK. Funding not specified.

AGENCY: NRC
COUNTRY: France
SUBJECT: Nuclear Safety
EIF DATE: 05/05/87 TERM DATE: 07/31/91
REMARKS: International piping integrity research with CEA. To last for the duration of IPRG Program. Funding not specified.

AGENCY: NRC
COUNTRY: France
SUBJECT: Nuclear Safety
EIF DATE: 06/15/84 TERM DATE:
REMARKS: Termination date: open-ended, to be ended by mutual agreement. Provides for classified safety information exchange with the MIAT. Funding not specified.

AGENCY: NRC
COUNTRY: France
SUBJECT: Nuclear Safety
EIF DATE: 12/31/86 TERM DATE: 12/31/91
REMARKS: Light water reactor safety research umbrella agreement with CEA. Renewal under negotiation. Funding not specified.

AGENCY: NRC
COUNTRY: France
SUBJECT: Nuclear Safety
EIF DATE: 10/01/90 TERM DATE: 09/30/95
REMARKS: Agreement between NRC and CEA relating to NRC participation in the Phebus Fission Product Program. Funding not specified.

AGENCY: NRC
COUNTRY: France
SUBJECT: Nuclear Safety
EIF DATE: 10/01/90 TERM DATE: 10/01/93
REMARKS: Safety research agreement. Funding not specified.

AGENCY: NRC
COUNTRY: France
SUBJECT: Nuclear Safety
EIF DATE: 07/25/88 TERM DATE: 07/24/94
REMARKS: Assessment of Long Term Cable Aging Degradation with CEA. Funding not specified.

AGENCY: NRC
COUNTRY: France
SUBJECT: Nuclear Safety
EIF DATE: 08/20/85 TERM DATE: 08/20/92
REMARKS: Study of Seismically Induced Strong Ground Motion at Shallow Soil Sites. Funding not specified.

AGENCY: NRC
COUNTRY: France
SUBJECT: Nuclear Safety
EIF DATE: 09/16/86 TERM DATE: 09/16/91
REMARKS: Under renegotiation. Thermal hydraulic research with CEA. Cooperation evolving into a new program, CAMP. Funding not specified.

AGENCY: NRC
COUNTRY: France
SUBJECT: Nuclear Safety
EIF DATE: 06/28/74 TERM DATE: 09/04/95
REMARKS: Information exchange and general technical cooperation with MIAT. Funding not specified.

AGENCY: NRC
COUNTRY: Germany
SUBJECT: Nuclear Safety
EIF DATE: 10/01/75 TERM DATE: 07/17/91
REMARKS: Information exchange and general technical cooperation with BMU. Renewal under negotiation. Funding not specified.

AGENCY: NRC
COUNTRY: Germany
SUBJECT: Nuclear Safety
EIF DATE: 07/06/81 TERM DATE:
REMARKS: Termination date: Indefinite. Provides for classified safety information exchange with the BMU. Funding not specified.

AGENCY: NRC
COUNTRY: Germany
SUBJECT: Nuclear Safety
EIF DATE: 04/30/81 TERM DATE: 04/30/91
REMARKS: Reactor safety research program; umbrella agreement with BMFT. Renewal under negotiation, including IPR; BMFT has written to NRC to extend. Funding not specified.

AGENCY: NRC
COUNTRY: Greece
SUBJECT: Nuclear Safety
EIF DATE: 10/18/78 TERM DATE:
REMARKS: Information exchange and general technical cooperation; renewal awaiting signature. Funding not specified.

AGENCY: NRC
COUNTRY: Hungary
SUBJECT: Nuclear Safety
EIF DATE: 09/24/90 TERM DATE: 09/24/95
REMARKS: Information exchange and general technical cooperation with NAEC. Funding not specified.

AGENCY: NRC
COUNTRY: Israel
SUBJECT: Nuclear Safety
EIF DATE: 07/11/88 TERM DATE: 07/11/93
REMARKS: Information exchange and general technical cooperation with AEC. Funding not specified.

AGENCY: NRC
COUNTRY: Italy
SUBJECT: Nuclear Safety
EIF DATE: 09/28/88 TERM DATE: 09/28/93
REMARKS: Replaces the original MOU signed on 05/29/75. Arrangement for information exchange and general technical cooperation on nuclear safety matters with ENEA. The present "arrangement" is valid for 5 years unless extended for a further period of time by agreement of the parties. Funding not specified.

AGENCY: NRC
COUNTRY: Italy
SUBJECT: Nuclear Safety
EIF DATE: 06/05/87 TERM DATE: 06/05/91
REMARKS: Agreement relating to ENEA participation in the NRC program of severe accident, source term, and containment research with ENEA. Valid for a period of 4 years unless extended by mutual agreement. New agreement under negotiation. Funding not specified.

AGENCY: NRC
COUNTRY: Italy
SUBJECT: Nuclear Safety
EIF DATE: 12/22/88 TERM DATE: 09/30/93
REMARKS: Safety and Licensing of Future Nuclear Power Plants with ENEA. Funding not specified.

AGENCY: NRC
COUNTRY: Italy
SUBJECT: Nuclear Safety
EIF DATE: 01/23/86 TERM DATE: 01/23/91
REMARKS: Renewal under negotiation. Agreement of thermal hydraulic research with ENEA. Renewable every 5 years. Cooperation evolved into a new program called CAMP. Funding not specified.

AGENCY: NRC
COUNTRY: Italy
SUBJECT: Nuclear Safety
EIF DATE: 04/03/89 TERM DATE: 04/03/94
REMARKS: International piping integrity research with ENEA. Valid for 5 years. Funding not specified.

AGENCY: NRC
COUNTRY: Japan
SUBJECT: Nuclear Safety
EIF DATE: 11/07/84 TERM DATE: 11/06/94
REMARKS: Radioactive waste management. Extended without the extension of its parent agreement. New agreement under discussion. Funding not specified.

AGENCY: NRC
COUNTRY: Japan
SUBJECT: Nuclear Safety
EIF DATE: 06/25/91 TERM DATE: 09/30/96
REMARKS: Safety research agreement. Funding not specified.

AGENCY: NRC
COUNTRY: Japan
SUBJECT: Nuclear Safety
EIF DATE: 09/13/83 TERM DATE: 12/31/90
REMARKS: Severe fuel damage and fission product source term research with JAERI; Although the agreement has expired, both want to renew the agreement, are engaged in renewal discussions, and are acting as if the agreement is still continuing. Funding not specified.

AGENCY: NRC
COUNTRY: Japan
SUBJECT: Nuclear Safety
EIF DATE: 07/17/89 TERM DATE: 03/31/93
REMARKS: Development of SIMMER-III nuclear safety computer with PNC. Funding not specified.

AGENCY: NRC
COUNTRY: Japan
SUBJECT: Nuclear Safety
EIF DATE: 05/30/74 TERM DATE: 12/31/90
REMARKS: Information exchange and general technical cooperation with STA and ANRE. Both parties are discussing renewal, and are acting as if the agreement is still continuing. Funding not specified.

AGENCY: NRC
COUNTRY: Japan
SUBJECT: Nuclear Safety
EIF DATE: 02/01/84 TERM DATE: 01/31/92
REMARKS: ROSA IV LWR safety research agreement on small break LOCAs and transients. Funding not specified.

AGENCY: NRC
COUNTRY: Japan
SUBJECT: Nuclear Safety
EIF DATE: 10/09/87 TERM DATE: 10/08/92
REMARKS: Development and Application of Nuclear Safety Analysis Computer Codes with ANRE/JINS. Funding not specified.

AGENCY: NRC
COUNTRY: Korea
SUBJECT: Nuclear Safety
EIF DATE: 08/23/84 TERM DATE: 12/27/90
REMARKS: Severe accident, source term, and containment research with KAERI; renewal under negotiation. Funding not specified.

AGENCY: NRC
COUNTRY: Korea
SUBJECT: Nuclear Safety
EIF DATE: 03/18/76 TERM DATE: 11/01/86
REMARKS: Information exchange and general technical cooperation with MOST; renewal under negotiation. Funding not specified.

AGENCY: NRC
COUNTRY: Korea
SUBJECT: Nuclear Safety
EIF DATE: 05/01/86 TERM DATE: 05/01/91
REMARKS: Thermal hydraulic research with KAERI. Cooperation evolved into a new program called CAMP; under renegotiation. Funding not specified.

AGENCY: NRC
COUNTRY: Mexico
SUBJECT: Nuclear Safety
EIF DATE: 06/02/87 TERM DATE: 06/02/92
REMARKS: General safety research umbrella agreement with CNSNS. Funding not specified.

AGENCY: NRC
COUNTRY: Mexico
SUBJECT: Nuclear Safety
EIF DATE: 04/08/81 TERM DATE: 10/06/94
REMARKS: Information exchange and technical cooperation with CNSNS. Funding not specified.

AGENCY: NRC
COUNTRY: Multilateral
SUBJECT: Nuclear Safety
EIF DATE: 03/19/79 TERM DATE:
REMARKS: EURATOM; nuclear safety research. Extension under renegotiation. Funding not specified.

AGENCY: NRC
COUNTRY: Multilateral
SUBJECT: Nuclear Safety
EIF DATE: 12/08/87 TERM DATE: 08/12/92
REMARKS: OECD (NEA) Project on the International Alligator Rivers Analogue. Participating countries: Australia, Japan, Sweden and the U.S. (The United Kingdom withdrew in August 1991.) Funding not specified.

AGENCY: NRC
COUNTRY: Multilateral
SUBJECT: Nuclear Safety
EIF DATE: 01/01/85 TERM DATE: 12/31/93
REMARKS: OECD (NEA) Halden Reactor project. Participating countries: Norway, Denmark, Finland, Germany, Italy, Japan, Sweden, United Kingdom, Spain, Switzerland, and the United States. This agreement was amended on 12/14/90 to enable Swiss and Spanish participation. Funding not specified.

AGENCY: NRC
COUNTRY: Multilateral
SUBJECT: Nuclear Safety
EIF DATE: 06/27/88 TERM DATE: 09/30/91
REMARKS: OECD (NEA) Project to investigate the Three Mile Island 2 Reactor Pressure Vessel. Participating countries: Belgium, Finland, France, Germany, Italy, Spain, Sweden, Switzerland, United Kingdom, and the United States. Renewal under negotiation, extending the project until March 1993. Funding not specified.

AGENCY: NRC
COUNTRY: Netherlands
SUBJECT: Nuclear Safety
EIF DATE: 09/01/87 TERM DATE: 08/31/91
REMARKS: Nuclear Reactor Safety Research with ECN. Renewal under negotiation. Funding not specified.

AGENCY: NRC
COUNTRY: Netherlands
SUBJECT: Nuclear Safety
EIF DATE: 10/03/77 TERM DATE: 09/23/92
REMARKS: Information exchange and general technical cooperation with NMSAE. Funding not specified.

AGENCY: NRC
COUNTRY: Philippines
SUBJECT: Nuclear Safety
EIF DATE: 04/28/80 TERM DATE:
REMARKS: Information exchange and general technical cooperation with AEC; Renewal being renegotiated. Funding not specified.

AGENCY: NRC
COUNTRY: Spain
SUBJECT: Nuclear Safety
EIF DATE: 10/29/74 TERM DATE: 09/27/94
REMARKS: Information exchange and general technical cooperation with CNS. Funding not specified.

AGENCY: NRC
COUNTRY: Spain
SUBJECT: Nuclear Safety
EIF DATE: 11/15/85 TERM DATE: 09/17/96
REMARKS: Severe Accident source term program; nuclear plant analyzer application programs and thermal hydraulic code assessment program. Funding not specified.

AGENCY: NRC
COUNTRY: Sweden
SUBJECT: Nuclear Safety
EIF DATE: 12/06/74 TERM DATE: 10/04/94
REMARKS: Information exchange and general technical cooperation with SKI. Funding not specified.

AGENCY: NRC
COUNTRY: Sweden
SUBJECT: Nuclear Safety
EIF DATE: 03/03/87 TERM DATE:
REMARKS: Termination date: Indefinite. International piping integrity research with SKI/Studsvik. To last the duration of IPIRG Program. Cooperation will continue under IPIRG-2. Funding not specified.

AGENCY: NRC
COUNTRY: Sweden
SUBJECT: Nuclear Safety
EIF DATE: 10/01/84 TERM DATE: 12/31/90
REMARKS: Severe accident research, source term, and containment research with SKI/Studsvik. Renewal under negotiation. Funding not specified.

AGENCY: NRC
COUNTRY: Sweden
SUBJECT: Nuclear Safety
EIF DATE: 02/25/85 TERM DATE:
REMARKS: Thermal hydraulics. New agreement under negotiation. Funding not specified.

AGENCY: NRC
COUNTRY: Switzerland
SUBJECT: Nuclear Safety
EIF DATE: 12/09/74 TERM DATE: 09/23/92
REMARKS: Information exchange and general technical cooperation with FOE. Funding not specified.

AGENCY: NRC
COUNTRY: Switzerland
SUBJECT: Nuclear Safety
EIF DATE: 07/25/89 TERM DATE: 12/31/91
REMARKS: Agreement under renegotiation. Thermal-Hydraulic Research with Paul Scherrer Institute (PSI). Cooperation evolved into a new program, CAMP. Funding not specified.

AGENCY: NRC
COUNTRY: Switzerland
SUBJECT: Nuclear Safety
EIF DATE: 09/26/86 TERM DATE: 09/26/91
REMARKS: Radioactive waste management and safety research with NAGRA. Funding not specified.

AGENCY: NRC
COUNTRY: Switzerland
SUBJECT: Nuclear Safety
EIF DATE: 03/01/87 TERM DATE: 07/31/91
REMARKS: International piping integrity research. Cooperation will continue under IPIRG-2, which is under renegotiation. Funding not specified.

AGENCY: NRC
COUNTRY: Switzerland
SUBJECT: Nuclear Safety
EIF DATE: 06/09/87 TERM DATE: 09/23/92
REMARKS: Severe accident research with FOE; extension under discussion. Funding not specified.

AGENCY: NRC
COUNTRY: Taiwan
SUBJECT: Nuclear Safety
EIF DATE: 09/13/90 TERM DATE: 10/18/94
REMARKS: Research cooperation on a Hualian soil-structure interaction and large-scale seismic test. Funding not specified.

AGENCY: NRC
COUNTRY: Taiwan
SUBJECT: Nuclear Safety
EIF DATE: 05/01/86 TERM DATE: 05/31/90
REMARKS: Thermal-Hydraulic Research between AIT and the CCNAA; renewal under negotiation. Funding not specified.

AGENCY: NRC
COUNTRY: Taiwan
SUBJECT: Nuclear Safety
EIF DATE: 04/23/87 TERM DATE: 07/31/91
REMARKS: Participation in the International Piping Integrity Research Group with CCNAA/AIT. Cooperation will continue under IPIRG-2, which is under renegotiation. Funding not specified.

AGENCY: NRC
COUNTRY: Taiwan
SUBJECT: Nuclear Safety
EIF DATE: 10/12/84 TERM DATE: 10/22/90
REMARKS: Participation in Severe Nuclear Accident Research Program with CCNAA/AIT. Renewal under negotiation. Funding not specified.

AGENCY: NRC
COUNTRY: United Kingdom
SUBJECT: Nuclear Safety
EIF DATE: 08/03/77 TERM DATE: 08/03/92
REMARKS: General safety research umbrella agreement with AEA. Funding not specified.

AGENCY: NRC
COUNTRY: United Kingdom
SUBJECT: Nuclear Safety
EIF DATE: 09/30/83 TERM DATE: 01/24/92
REMARKS: Severe accident research with AEA. Funding not specified.

AGENCY: NRC
COUNTRY: United Kingdom
SUBJECT: Nuclear Safety
EIF DATE: 03/13/75 TERM DATE: 04/07/91
REMARKS: Information exchange and general technical cooperation with H&SE. Renewal under negotiation pending IPR action. Funding not specified.

AGENCY: NRC
COUNTRY: United Kingdom
SUBJECT: Nuclear Safety
EIF DATE: 07/11/89 TERM DATE: 09/30/92
REMARKS: Reliability and Probabilistic Risk Analysis with UKAEA. Funding not specified.

AGENCY: NRC
COUNTRY: USSR
SUBJECT: Nuclear Safety
EIF DATE: 04/26/88 TERM DATE: 04/26/93
REMARKS: Information exchange and general technical cooperation with SCUAE; Memorandum of Cooperation. Funding not specified.

AGENCY: NRC
COUNTRY: Yugoslavia
SUBJECT: Nuclear Safety
EIF DATE: 09/19/85 TERM DATE:
REMARKS: Information exchange and general technical cooperation with FSEI. Renewal under negotiation. Funding not specified.

U. S. GOVERNMENT: UMBRELLA AGREEMENTS

AGENCY: US Gov
COUNTRY: Argentina
SUBJECT: S&T Cooperation
EIF DATE: 06/03/57 TERM DATE: 08/11/92
REMARKS: Termination date: Indefinite. Present version signed 8/11/72. Government-to-Government program of technical cooperation. Funding not specified.

AGENCY: US Gov
COUNTRY: Australia
SUBJECT: S&T Umbrella
EIF DATE: 10/16/68 TERM DATE: 04/16/91
REMARKS: Currently under renegotiation to include provisions for protection and allocation of intellectual property rights.

AGENCY: US Gov
COUNTRY: Brazil
SUBJECT: S&T Umbrella
EIF DATE: 12/01/71 TERM DATE: 11/15/91
REMARKS: Renegotiation of extension underway. The agreement was funded by Presidential S&T Initiative, $2 million from U.S. and $2 million from Brazil; Dept. of State is executive agent. Additional funding not specified. Projects include engineering, agriculture, basic science, energy, environment.

AGENCY: US Gov
COUNTRY: China
SUBJECT: S&T Umbrella
EIF DATE: 01/31/79 TERM DATE: 04/30/90
REMARKS: Original umbrella agreement left IPR considerations to the individual MOU's under the umbrella. Extended with IPR and security obligation provisions. Funding not specified.

AGENCY: US Gov
COUNTRY: Czechoslovakia
SUBJECT: S&T Umbrella
EIF DATE: 10/22/91 TERM DATE:
REMARKS: Under 5 year renewal. Agreement established Joint Commission and Joint Fund with contributions from both sides. Details of funding not specified.

AGENCY: US Gov
COUNTRY: Egypt
SUBJECT: S&T Umbrella
EIF DATE: 11/09/86 TERM DATE: 11/09/91
REMARKS: Agreement relating to cooperation in the areas of science & technology. Funding not specified.

AGENCY: US Gov
COUNTRY: European Community
SUBJECT: Environment
EIF DATE: 06/04/74 TERM DATE:
REMARKS: On-going. Letters establishing the framework for cooperative environmental activity. Initial areas of interest include exchange of information on methods of analysis and measurement of certain air and water pollutants. Funding not specified.

AGENCY: US Gov
COUNTRY: Finland
SUBJECT: S&T Umbrella
EIF DATE: 09/15/85 TERM DATE: 09/15/90
REMARKS: Agreement on coop in S&T; agreement contains an Intellectual Property Annex for protection of copyrights, patents, other intellectual property; individual cooperating agencies negotiate funding with counterpart agencies.

AGENCY: US Gov
COUNTRY: Hungary
SUBJECT: S&T Umbrella
EIF DATE: 10/04/89 TERM DATE: 10/04/94
REMARKS: Agreement will be renewed in 1994 for 5 years unless one of the parties requests termination. New agreement contains extensive language on IPR. Funding: U.S. contributions are matched in equivalent amounts in Hungarian currency.

AGENCY: US Gov
COUNTRY: India
SUBJECT: Joint Commission
EIF DATE: 10/28/74 TERM DATE:
REMARKS: Termination date: Indefinite. Joint Commission on Economic, Commercial, Scientific, Technological, Educational, and Cultural Cooperation. The S&T Subcommission was created under the authority of Joint Commission. Advisory body to identify, promote and review; collaborative work. Funding not specified.

AGENCY: US Gov
COUNTRY: India
SUBJECT: S&T Initiative (STI)
EIF DATE: 10/01/83 TERM DATE: 10/05/91
REMARKS: NSF is executive agent for Head-of-government level agreement to implement collaboration in selected priority areas of S&T. Funding not specified.

AGENCY: US Gov
COUNTRY: India
SUBJECT: Education, Cultural, and Science
EIF DATE: 01/01/87 TERM DATE: 01/01/97
REMARKS: Agreement for Educational, Cultural and Scientific Cooperation (USIF) administered by the Department of State (S&T) and USIA (E&C). Funded by endowment (2/3 for S&T, 1/3 for E&C) of $110 million worth of U.S. owned rupees and interest earned. Over 20 agencies participate. The Secretary of State has overall responsibility.

AGENCY: US Gov
COUNTRY: Indonesia
SUBJECT: S&T Umbrella
EIF DATE: 10/01/79 TERM DATE: 10/05/89
REMARKS: Agreement on cooperation in scientific research & technological development; individual cooperating agencies negotiate funding with counterpart agencies. 5-year renewal pending signing.

AGENCY: US Gov
COUNTRY: Israel
SUBJECT: S&T: Binational Ag. R&D Fdn.
EIF DATE: 10/25/77 TERM DATE:
REMARKS: On-going. Funding not specified.

AGENCY: US Gov
COUNTRY: Israel
SUBJECT: S&T: Binational Ind. R&D Fnd.
EIF DATE: 05/18/77 TERM DATE:
REMARKS: On-going. Funding not specified.

AGENCY: US Gov
COUNTRY: Israel
SUBJECT: S&T: Binational Science Foundn
EIF DATE: 09/27/72 TERM DATE:
REMARKS: Funding not specified.

AGENCY: US Gov
COUNTRY: Italy
SUBJECT: S&T Umbrella
EIF DATE: 04/01/88 TERM DATE: 04/01/93
REMARKS: The executive parties are the U.S. Department of State and the Italian Ministry of Foreign Affairs. Agreement for S&T cooperation; intellectual property provisions being renegotiated; individual cooperating agencies negotiate funding with counterpart agencies.

AGENCY: US Gov
COUNTRY: Japan
SUBJECT: S&T Umbrella
EIF DATE: 01/01/75 TERM DATE: 01/01/91
REMARKS: '75 bilateral environmental agreement & '88 umbrella S&T agreement (UJST) offers coop in facilitating transfer of Japan technology, statistics, analytical techniques. 14 panels operat under '75 agreement, Japan proposed another for global atmosphere. Funding not specified.

AGENCY: US Gov
COUNTRY: Japan
SUBJECT: S&T Umbrella
EIF DATE: 05/01/80 TERM DATE: 06/20/93
REMARKS: Agreement on cooperation and development in S&T; joint R&D in all areas of S&T, except energy, and cooperation in developing S&T policies of the two countries; individual cooperating agencies negotiate funding with counterpart agencies.

AGENCY: US Gov
COUNTRY: Korea
SUBJECT: S&T Umbrella
EIF DATE: 11/22/76 TERM DATE:
REMARKS: Provisions of this S&T agreement permit preexisting activities to continue. A new S&T umbrella agreement, including an IPR annex, was initialed in December 1991; effective pending entry into force of a patent secrecy agreement. Termination date: 5 years after signature. Funding between individual cooperating agencies with counterpart agencies.

AGENCY: US Gov
COUNTRY: Mexico
SUBJECT: S&T Umbrella
EIF DATE: 06/15/72 TERM DATE:
REMARKS: Termination date: Indefinite. Agreement for scientific and technical cooperation; individual cooperating agencies negotiate funding with counterpart agencies; restructuring of bilateral mixed commission in 1988 to deal with policy and coordination issues only.

AGENCY: US Gov
COUNTRY: New Zealand
SUBJECT: S&T Umbrella
EIF DATE: 02/27/74 TERM DATE: 02/28/96
REMARKS: Agreement for scientific and technological cooperation; individual cooperating agencies negotiate funding with counterpart agencies. Renewed agreement includes IPR and security obligation provisions.

AGENCY: US Gov
COUNTRY: Pakistan
SUBJECT: S&T Umbrella
EIF DATE: 12/06/82 TERM DATE:
REMARKS: Agreement to establish a Joint Commission on Economic, Commercial, Scientific, Technological, Educational and Cultural Cooperation. S&T Subcommission formed under authority of Joint Commission. Advisory body to coordinate S&T cooperation. Termination date: Indefinite. Funding not specified.

AGENCY: US Gov
COUNTRY: Poland
SUBJECT: S&T Umbrella
EIF DATE: 09/28/87 TERM DATE: 09/28/92
REMARKS: Agreement established a joint commission and a joint fund with contributions from both sides after lapse of an earlier agreement signed in 1972; extensive language on protection of intellectual property. Participating agencies: NOAA, DOI, DOE, EPA, and HHS. Funding: U.S. contributions are matched in equivalent Polish currency.

AGENCY: US Gov
COUNTRY: Spain
SUBJECT: S&T Umbrella
EIF DATE: 05/01/84 TERM DATE: 05/01/88
REMARKS: The US-Spain Agreement of Friendship, Defense & Cooperation under which a Complementary Agreement on Culture and Education and Science and Technology functions, expired May 1988. S&T funds in abeyance pending renegotiation. Presently under review to renew.

AGENCY: US Gov
COUNTRY: Sri Lanka
SUBJECT: S&T Umbrella
EIF DATE: 06/01/84 TERM DATE: 06/01/90
REMARKS: Agreement on cooperation in science and technology. Funding not specified.

AGENCY: US Gov
COUNTRY: Thailand
SUBJECT: S&T Umbrella
EIF DATE: 04/13/84 TERM DATE: 10/13/89
REMARKS: Agreement on cooperation in science & technology; individual cooperating agencies negotiate funding with counterpart agencies.

AGENCY: US Gov
COUNTRY: USSR
SUBJECT: S&T Umbrella
EIF DATE: 01/08/89 TERM DATE: 01/08/94
REMARKS: Provides for cooperation in basic scientific research in 9 areas; one, social sciences, was added during the Joint Commission meeting held in Moscow May 13-14, 1991. Also, Experimental Physics was added to Theoretical Physics at that time. Activity was noted in the MOU in Geosciences. Funding not specified.

AGENCY: US Gov
COUNTRY: Venezuela
SUBJECT: S&T Umbrella
EIF DATE: 03/21/91 TERM DATE: 03/21/96
REMARKS: On-going. Funding not specified.

AGENCY: US Gov
COUNTRY: Yugoslavia
SUBJECT: S&T Umbrella
EIF DATE: 10/25/88 TERM DATE: 10/24/93
REMARKS: Supersedes and terminates the previous umbrella signed on 04-02-80, and includes annex for IPR protection. US participating agencies include: DOE, EPA, HHS, NIST, NSF, USDA, USGS, Bureau of Mines, DOT, NIDRR, NOAA, SMI subject to funding. US contributions: up to $10 million over 5 years, and matched in equivalent Yugoslavian currency.

GLOSSARY OF ABBREVIATIONS

ACDEP
Armor Combat Development Exchange Program (DOD)

ADAMHA
Alcohol, Drug Abuse and Mental Health Administration

AECL
Atomic Energy of Canada Ltd.

AIDS
Acquired Immune Deficiency Syndrome

ALERT
Arctic Long-Term Environmental Research Transects program (EPA)

ALRI
Acute Lower Respiratory Infection

BMFT
Germany's Federal Ministry of Research

CCMS
Committee on Challenges of a Modern Society (NATO)

CDC
Centers for Disease Control

CEES
Committee on Earth and Environmental Sciences (FCCSET)

CEOS
Committee on Earth Observations Satellites program

CERN
European Center for Nuclear Research (Geneva)

CFC
Chlorofluorocarbon

CISET
Committee on International Science, Engineering and Technology

CITES
Convention on International Trade in Endangered Species

CNEA
Argentina's national atomic energy commission

CNPQ
Brazil's National Research Council

CNRS
France's Centre National de la Recherche Scientifique

COARE
Coupled Ocean-Atmosphere Response Experiment

COCOM
Coordinating Committee on Multilateral Export Controls

CSPP
Computer Systems Policy Project

CSTP
Committee on Science and Technology Policy

DARPA
Defense Advanced Research Projects Agency (DOD)

DEA
Defense Exchange Agreement (DOD)

DHHS (or HHS)
Department of Health and Human Services

DOC
Department of Commerce

DOD
Department of Defense

DOE
Department of Energy

DOI
Department of the Interior

DOS
Department of State

DOT
Department of Transportation

DRAM
Dynamic Random Access Memory

EC
Economic Community (EEC)

EEC
European Economic Community (EC)

EMR
Canada's Department of Energy, Mines and Resources

EOR
Enhanced Oil Recovery (DOE)

EPA
Environmental Protection Agency

ESA
European Space Agency

ESPRIT
European Strategic Program for Research and Development in Informatic
Technology

ESTR
Environment, Science, and Technology Resources statistical package
(DOS)

EURATOM
European Atomic Energy Commission (EC)

EUREKA
European Research Coordinating Agency

EZ
Edmonston-Zagreb strain of measles vaccine

FCCSET
Federal Coordinating Council for Science, Engineering and Technology

FSI
Foreign Service Institute (DOS)

FWS
Fish and Wildlife Service (DOI)

FY
Fiscal Year

GATT
General Agreement on Trade and Tariffs

GLOBEC
Global Ocean Ecosystems Dynamics Research Program

GNP
Gross National Product

HIV
Human immunodeficiency virus

HUD
Department of Housing and Urban Development

HUGO
Human Genome Organization

IAC
Information Analysis Center

ICSU
International Council of Scientific Unions

IEA
Information Exchange Agreement (DOD)

IEA
International Energy Agency (OECD)

IEP
Information Exchange Project (DOD)

IMS
Intelligent Manufacturing Systems

INPE
Brazil's National Space Institute

IOC
Intergovernmental Oceanographic Commission

IPCC
Intergovernmental Panel on Climate Change

IPR
Intellectual Property Rights

ISO
International Standards Organization

ITER
International Thermonuclear Experimental Reactor

JESSI
Joint European Submicron Silicon Initiative

JET
Joint European Torus

JGOFS
Joint Global Ocean Flux Study (CEES)

JRRC
Japanese Reprographic Rights Center

JT-60
Japanese Torus (TOKAMAK) Fusion Device

LIGO
National Laser Interferometer Gravitational Observatory

MAB
Man and the Biosphere Program

MMS
Minerals Management Services (DOI)

MOA
Memorandum of Agreement

MERP
Marine Ecosystem Response Project

MOC
Memorandum of Cooperation

MONICA
Multinational Monitoring of Trends and Determinants in Cardiovascular Disease

MOU
Memorandum of Understanding

MRC
United Kingdom's Medical Research Council

MSAT
Mobile Telecommunications Satellite

MSC
Marie Sklodowska Curie Fund - U.S.-Poland program

MSS
Mobile Servicing System

MTA
Hungary's Academy of Science

NABE
North Atlantic Bloom Experiment (JGOFS)

NAPAP
National Acid Precipitation Assessment Program

NASA
National Aeronautics and Space Administration

NASDA
National Space Development Agency

NATO
North Atlantic Treaty Organization

NEA
Nuclear Energy Agency (OECD)

NEI
National Eye Institute (NIH)

NEPA
China's National Environmental Protection Agency

NHLBI
National Heart, Lung and Blood Institute (NIH)

NIA
National Institute on Aging (NIH)

NIAID
National Institute of Allergy and Infectious Diseases (NIH)

NICHD
National Institute of Child Health and Human Development (NIH)

NIDRR
National Institute on Disability and Rehabilitation Research (NIH)

NIH
National Institutes of Health

NIMH
National Institute of Mental Health (NIH)

NINDS
National Institute of Neurological Disorders and Stroke (NIH)

NMFS
National Marine Fisheries Service (DOC/NOAA)

NNSA
China's National Nuclear Safety Administration

NOAA
National Oceanic and Atmospheric Administration (DOC)

NPS
National Park Service (DOI)

NRC
Nuclear Regulatory Commission

NSF
National Science Foundation

NTIS
National Technical Information Service (DOC)

OECD
Organization for Economic Cooperation and Development

OES
Bureau of Oceans and International Environmental and Scientific Affairs (DOS)

OMFB
Hungary's National Technical Development Committee

OSTP
Office of Science and Technology Policy (White House)

OTKA
Hungary's National Scientific Research Fund

PASA
Participating Agency Service Agreement

PATH
Program for Appropriate Technology in Health

PHS
Public Health Service (HHS)

PRC
People's Republic of China

R&D
Research and Development

RD&D
Research, Development, and Demonstration

RAMSAR
Convention on Wetlands of International Importance (FWS)

ROSAT
Roentgen Satellite (NASA and Germany)

RSED
Research and Scientific Exchanges Division (USDA)

S&T
Science and Technology

SAGA
Soviet-American Gas Aerosol

SEED
Support for Eastern European Democracy Act (DOS)

SOI
Statement of Intent (DOD)

SMI
Smithsonian Institution

SPRA
Special Programme for Research on Aging

SSC
Superconducting Super Collider

STOL
Short Takeoff and Landing Aircraft

STRIDE
Science and Technology Reporting Information Distribution Enhancement-unclassified Science Officer report (DOS)

TED
Turtle Excluder Device

TFTR
Thermonuclear Fusion Tokamak Reactor

TNC
Trade Negotiating Committee

TOGA
Tropical Ocean-Global Atmosphere (CEES)

TRIP
Trade Related Aspect of Intellectual Property Rights

TTCP
The Technical Cooperation Program (DOD)

UNEP
United Nations Environment Program (UN)

USAID
U.S. Agency for International Development

USDA
U.S. Department of Agriculture

USG
U.S. Government

USGS
U.S. Geological Survey (DOI)

VAMAS
Versailles Project on Advanced Materials and Standards

VAP
U.S. Vaccine Program

WCRP
World Climate Research Program

WHO
World Health Organization

WMO
World Meteorological Organization

WOCE
World Ocean Circulation Experiment (CEES)

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TITLE: National Security Assessment of the U.S. Semiconductor Manufacturing Equipment Industry
DATE: 04/91
PUBNO: PUBTYPE: Strategic Analysis Division Pub

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AGENCY: DOC
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DATE: 03/91
PUBNO: PUBTYPE: Strategic Analysis Division Pub

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AGENCY: DOC, NOAA
AUTHOR: National Oceanic and Atmospheric Administration
TITLE: Environmental Research Laboratories: Programs and Plans
DATE: 12/90
PUBNO: PUBTYPE: Annual Report

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AGENCY: DOC, NTIS
AUTHOR: National Technical Information Service
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DATE: 1988 to date
PUBNO: NTIS PB92-903903 PUBTYPE: Weekly periodical (newsletter and abstracts of current non-U.S. S&T reports)

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DATE: 1991
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AGENCY: HHS, PHS
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TITLE: International Science and Technology INSIGHT
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TITLE: JTEC Panel Report on High Definition Systems in Japan
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PUBNO: PB 91-100032 PUBTYPE: Report

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AUTHOR: Japanese Technology Evaluation Center, Loyola College
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DATE: 03/91
PUBNO: PB 90-215740 PUBTYPE: Report

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