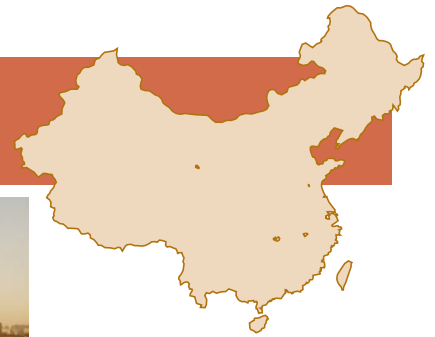


# Experience in China



RTI International is an independent, nonprofit research organization dedicated to conducting research, technical assistance, and training that improves the human condition. Our projects and programs emphasize institutional development through the transfer of analytical tools and methods, dissemination of best practices, and collaborative applied research to test and apply new technologies. RTI's work in developing public-private partnerships, strengthening the capacity of nongovernmental organizations, and collaborating with national and subnational government has supported improvements in health; education; water and sanitation; and the environment. The following projects are examples of RTI's work in China since 1998.

**Strengthening HIV/AIDS Policy and Advocacy in the Asia Pacific Region**, U.S. Agency for International Development (2007–2010)

The project is working in Beijing, Yunnan, and Guangxi provinces in China, to accelerate the development and implementation of HIV/AIDS policies that increase access to services for most-at-risk populations and people living with HIV/AIDS, and to support civil society organization participation in the policy process. RTI is also building advocacy capacity through small grants and technical assistance to local organizations.

**Evaluation of the Open Language Learning Initiative**, U.S. Department of Education (2007–2010)

RTI is evaluating the efficacy of an English-language learning software program developed for middle school students in rural western China. The purpose of the software is to provide students the opportunity to improve speaking and listening skills. The e-learning software, developed under a bilateral Memorandum of Understanding between the two countries, will be evaluated in a randomized school-based trial in 2009–2010.

**Global Adult Tobacco Survey**, Centers for Disease Control and Prevention (CDC) Foundation (2007–2009)

RTI is partnering with the CDC, CDC Foundation, and World Health

Organization to provide technical assistance in the design and implementation of a standard survey protocol. The survey will collect national data regarding tobacco use in 15 countries, including China, with the highest smoking rates and will track the countries' progress in implementing tobacco-free programs.

**China Methane to Markets Capacity Building and Expo**, U.S. Environmental Protection Agency (U.S. EPA) (2007–2008)

RTI is strengthening the capacity of the China University of Petroleum (CUP) to research, identify, and promote key methane-reduction technologies for oil and gas development in China. The project also assisted CUP in networking with other organizations at the 2007 Methane to Markets Expo in Beijing.

**Intercontinental Transport and Climatic Effects of Air Pollutants (ICAP)**, U.S. EPA (2005–2008)

RTI coordinates ICAP, which aims to reliably predict the impact of emissions in the Asia-Pacific region by identifying the processes that carry pollutants to other regions and their effects on the global atmosphere. Tasks include: compiling comprehensive emission inventories and an impact assessment of the transport of pollutants over major Chinese metropolitan areas; and developing an air quality decision-support system for the design of cost-effective control strategies in Taiwan.

**Collaborative HIV/STD Prevention Trial**, U.S. National Institute of Mental Health (1999–2008)

RTI is the Data Coordinating Center for this effort, providing extensive assistance in protocol development, study management, quality assurance, data collection, management, transmission, and analysis. Using a multisite, Phase III randomized control trial, the efficacy of a community-level intervention is tested in five countries, including Fuzhou, China, to reduce HIV and sexually transmitted disease incidence and high-risk behaviors.

**Shandong Flue Gas Desulfurization Project**, Shandong Environmental Protection Bureau (EPB)/U.S. Trade and Development Agency (2006–2007)

RTI assisted Shandong EPB, electric utility power plant owners, and their design institutes to select and specify the most efficient and cost-effective flue gas desulfurization systems to control sulfur dioxide air emissions from six coal-fired power plants in Shandong Province.

**Solid Waste Management Holistic Decision Modeling**, World Bank (2006–2007)

RTI worked with the Environment Department of the Shanghai Chengtuo Corporation to assess the cost and environmental performance of alternatives for managing solid waste, including recycling; composting; waste-to-energy; and modern landfills in Beijing and Shanghai.





**Air Quality Management**, Beijing Municipal Environmental Protection Bureau (2004–2007)

RTI developed an Air Quality Management Decision Support System (AQMDSS) for the Beijing Municipal Government. The focus was to integrate state-of-the-science models, supporting data, GIS capabilities, and visualization tools into a single AQMDSS with a Chinese user interface. The project included designing the databases; compiling an emissions inventory; and establishing the system, which can be used to forecast air quality, assess environmental impacts of pollution control measures, and analyze cost-benefit tradeoffs. The Beijing AQMDSS project also involved a significant training component on use of the AQMDSS.

**Economic Studies for the Diseases of the Most Impoverished Program**, International Vaccine Institute (IVI)/Gates Foundation (2001–2007)

RTI and the University of North Carolina at Chapel Hill evaluated the economic aspects of cholera and typhoid fever vaccine initiatives and shigellosis prevention and control activities. Household surveys were used to measure private market demand and willingness to pay for new generation vaccines for typhoid fever and cholera using contingent valuation and choice modeling in Guangxi and Hebei Provinces, in China, as well as Bangladesh; India; Indonesia; Mozambique; Pakistan; and Vietnam.

**Education Finance and Decentralization in Asia**, Peking University, Chinese Institute of Education Finance Research and the World Bank Institute (2006)

RTI developed and delivered a training course in Beijing on Education Finance and Decentralization in Asia. With participation from senior officials and technical staff working in education finance policy, the course focused on training in cost effectiveness analysis, disaggregating inequality, block grant simulation, conditional grant and school grant design, funding flow analysis, and education funding gap analysis.

**Refinery Emission Inventory Workshop**, Shanghai Environmental Monitoring Center (SEMC) (2006)

RTI conducted a training workshop on petroleum refinery and petrochemical emission sources and controls for SEMC. Topics included process descriptions, emission sources, pollutants of concern, applicable controls, and estimation tools training.

**Support for the Methane to Markets Partnerships Activities**, U.S. EPA (2006)

RTI worked to expand capabilities in methane recovery and use in China by providing outreach on landfill gas to energy opportunities to landfill operators, project developers, local governments, communities, and other stakeholders. The project also promoted and facilitated the development of coal mine methane projects.

**Hai River Integrated Water and Environment Management Project**, Chinese Academy for Environment Planning (2005–2006)

RTI provided an overview and technical documents explaining the data structure and standards of the U.S. National Hydrography Dataset (NHD), applications of the NHD use in the United States on a national and state level, and comparisons between the U.S. coding system and other international river/reach coding systems. RTI also provided recommendations to construct a database model that will zone the Hai River Basin.

**Hai Basin Integrated Water and Environment Management Project**, World Bank/Chinese Academy for Environmental Planning (2002–2005)

RTI helped establish a sustainable integrated water management system for the Hai Basin through a series of workshops with the Chinese Ministry of Water Resources and the State Environmental Protection Administration, which resulted in an unprecedented cooperative agreement to share data.

**Health & Education Access for Ethnic Minorities in Greater Mekong Sub-region**, Asian Development Bank, China Ministry of Health, China Ministry of Education (1999–2001)

Across the Greater Mekong Sub-region, including in Yunnan Province, RTI used participatory processes to identify the special educational and health needs of socially marginalized minorities, and then communicated them to key policy makers. Results included improved policies and services to help increase school enrollment and better health-care coverage of ethnic minorities.

**Chronic Obstructive Pulmonary Disease (COPD) and Asthma**, Glaxosmithkline (1999–2000)

RTI identified epidemiologic information regarding the prevalence of asthma, COPD, and cigarette smoking in China, Korea, Taiwan, and the Philippines. The project assembled epidemiologic data on individual areas within each country, produced a summary report, and prepared an article for publication.

**Epidemiology of Influenza in China**, Private Client, (1998–1999)

RTI identified and summarized epidemiologic information related to the prevalence of influenza and “flu-like” symptoms in China. A report was produced describing the history of influenza epidemics in China, the prevalence of the disease in the general population and in high-risk groups, and the most common virus types identified.

**For more information, please contact RTI Headquarters**

Myles Elledge, Senior Program Director  
Phone: +1.919.541.8739  
E-mail: melledge@rti.org  
Ellen Marks, Chair, RTI China Team  
Phone: +1.301.230.4647  
E-mail: emarks@rti.org

RTI-5645 04/2008

RTI International is one of the world’s leading research institutes, dedicated to improving the human condition by turning knowledge into practice. Our more than 3,800 professionals provide research and technical services to governments and businesses in more than 40 countries in the areas of health and pharmaceuticals, education and training, surveys and statistics, advanced technology, international development, economic and social policy, energy, and the environment. For more information, visit [www.rti.org](http://www.rti.org).

RTI International is a trade name of Research Triangle Institute.

