



### Core capabilities

- Air quality management
- Economic development
- Education
- Energy technology and economics
- Environmental and climate change modeling and policy development
- Food safety risk assessment
- Health
- HIV/AIDS
- Noncommunicable diseases
- Program evaluation
- Statistics research
- Surveys
- Site characterization, remediation, and brownfield redevelopment
- Water quality and water resources management

### Contact Information

Ellen L. Marks, General Manager  
RTI China

emarks@rti.org

Phone (US) 1.301.318.9240

Phone (China) 86.136.8148.4215

GAO Qingguo, Director of Projects  
RTI China

ggao@rti.org

Phone (US) 1.202.728.1978

Phone (China) 86.186.0112.6431

11/F Kerry Centre

North Tower, 1 Guang Hua Road

Chaoyang District

Beijing 100020, China

[www.rti.org](http://www.rti.org)

For more than 15 years, RTI International has provided technical assistance and research services to numerous clients and communities throughout China. Our research strategy emphasizes collaboration with Chinese partners as we engage in studies that meet the highest standards of scientific rigor and objectivity to address current and future health, environmental, energy, education, and sustainability issues. Our projects and programs emphasize practical solutions through the transfer of analytical tools and methods, dissemination of best practices, and collaborative applied research to test and apply new technologies.

The opening of RTI's office in Beijing in 2012 enables us to ensure quality project management, respond rapidly to client demands, build and maintain local partnerships, and identify public-private partnerships for sustainable development. RTI China provides operational support to our projects, such as financial management, human resources management, procurement services, information technology support, and legal compliance. This locally based support allows our projects to more efficiently and effectively respond to and comply with specific standards for project administration for each client. Our clients in China include the Chinese Center for Health Education, the Beijing Municipal Environmental Protection Bureau, the Shanghai Provincial Environmental Protection Bureau, the Pfizer Foundation, the U.S. Environmental Protection Agency, the U.S. National Institutes of Health, the U.S. Trade and Development Agency, and the Asian Development Bank .

### Selected Project Examples

#### Shandong Flue Gas Denitrification Project,

U.S. Trade and Development Agency

RTI helped the Shandong Environmental Protection Bureau investigate the feasibility and facilitate the retrofitting of deNOx technology at a coal-fired power plant in Shandong Province. We also worked to enable the Bureau to use the deNOx technology and assess the potential for installing it in power plants throughout the province.

#### Activities that Advance Methane Recovery and Use as a Clean Energy Source, U.S.

Environmental Protection Agency

RTI has managed three Methane to Markets Partnership projects in China. The latest works with the China University of Petroleum to help oil and natural gas industries use proven technologies for recovering methane before it is lost into the atmosphere. Benefits of the effort include both an increased supply of cleaner fuels to replace coal, and impoundment of a

compound that is a potent contributor to global warming.

**Air Quality Management**, Beijing Municipal Environmental Protection Bureau

RTI developed an air quality management decision support system and provided training on its use. The focus was to integrate state-of-the-science models, supporting data, GIS capabilities, and visualization tools into a single system with a Chinese user interface. The project included designing the databases, compiling an emissions inventory, and establishing the system. The system can be used to forecast air quality, assess environmental impacts of pollution control measures, and analyze cost-benefit trade-offs.

**Refinery Emission Inventory Workshop**, Shanghai Provincial Environmental Protection Bureau

RTI developed and delivered workshops to train Shanghai Environmental Monitoring Center staff on estimating and controlling air emissions from refineries and petrochemical plants. Topics included process descriptions, emission sources, pollutants of concern, applicable controls, and estimation tools.

**Integrated Water and Environment Management Project (Hebei Province)**, World Bank/Chinese Academy for Environmental Planning

RTI helped establish a sustainable integrated water management system in Hebei Province through workshops with the Chinese Ministry of Water Resources and the State Environmental Protection Administration, which resulted in an unprecedented coopera-

tive agreement to share data. In the project's second phase, RTI explained the data structure, standards, and use of the U.S. National Hydrography Dataset, and provided recommendations to construct a database model to zone areas in Hebei Province.

**Solid Waste Management Holistic Decision Modeling**, World Bank

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.

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

RTI partnered with the CDC, CDC Foundation, and World Health Organization to assist in the design and implementation of a standard survey protocol. The survey collected national data on tobacco use in 15 countries, including China, and tracked the countries' progress in implementing tobacco-free programs.

**Health Literacy, Chinese Center for Health Education**, China Ministry of Health

RTI provided technical assistance to help develop an approach to ascertain health literacy in infectious disease control. We supported a pilot study that created a conceptual framework, identified health skills, and determined methods to measure health literacy.

**Recipient Epidemiology and Donor Evaluation Study (REDS-III)**, U.S.

National Institutes of Health

RTI is the data coordinating center for the REDS-III program, which helps ensure safe and effective blood banking and transfusion medicine practices in China, Brazil, and South Africa. The project includes donor-targeted strategies, blood banking, transfusion practices, and education and training. RTI is responsible for overall coordination, communications, data management, and analytical and statistical support.

**Education Finance and Decentralization in Asia**, Peking

University's China Institute for Educational Finance Research and World Bank Institute

RTI developed and delivered a training course in Beijing on education finance and decentralization in Asia. The course focused on cost-effectiveness analysis, disaggregating inequality, block grant simulation, conditional grant and school grant design, funding flow analysis, and education funding gap analysis.

**Technical Assistance for the China Center for Disease Control**, U.S. National Cancer Institute

As part of planning efforts for a large-scale study to measure the effectiveness of a nutritional supplement on minimizing the risk of childhood cancer, RTI provided the China CDC with technical assistance regarding data management. Topics covered included quality control, case management, database development, version control, and related topics to ensure that data used in the research will be of maximum quality.



RTI International is one of the world's leading research institutes, dedicated to improving the human condition by turning knowledge into practice. Our staff of more than 3,700 provides research and technical services to governments and businesses in more than 75 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, and laboratory testing and chemical analysis. For more information, visit [www.rti.org](http://www.rti.org).

RTI International is a trade name of Research Triangle Institute.