



INTERNATIONAL DEVELOPMENT

Environmental Management



Expertise

- Environmental assessments and policy analysis
- Solid and hazardous waste management
- Indoor and outdoor air quality
- Rural, urban, and basin water issues
- Climate change

RTI International represents environmental science and policy making at its best. Since its founding in 1958, RTI has built a solid reputation in almost every aspect of environmental protection. RTI works on a multitude of environmental projects involving indoor and outdoor air, surface water and groundwater quality, sanitation, and solid and hazardous waste. We perform environmental risk assessments and economic analyses and assist in environmental policy making in the United States and around the world.

Whether working on high-profile, standard-setting projects for government agencies or on clean-production assessments for small companies, RTI's more than 300 environmental experts combine scientific knowledge and years of practical experience in addressing environmental protection issues. Our staff includes environmental and chemical engineers, environmental chemists, environmental and health scientists, geologists and hydrogeologists, risk assessment specialists, toxicologists, epidemiologists, ecologists, economists, and statisticians.

Environmental assessments and policy analysis

Recent experience includes work in Bangladesh, China, El Salvador, India, Indonesia, Nepal, Peru, South Africa, and the United States.

- **Policy analysis.** RTI has been instrumental in assisting the U.S. Environmental Protection Agency and governments around the world with economic assessments, evaluation and measurement of willingness to pay, and technical review of environmental policies
- **Risk assessment.** RTI performs risk assessments to support national standards, site-specific remediation decisions, and comparative assessments, both in the United States and internationally
- **Environmental health.** RTI has more than 20 years of experience worldwide

mitigating health impacts resulting from environmental degradation. Methods include rehabilitating basic services facilities, controlling disease vectors, developing and supporting policy reforms, and encouraging behavior change to protect human health and the environment

Solid and hazardous waste management

Recent experience includes work in Indonesia, Iraq, Mexico, Morocco, Poland, Tunisia, and the United States.

- **Asbestos measurement.** RTI has more than 20 years of expertise in asbestos measurement and removal strategies
- **Solid waste management.** RTI is working to improve solid waste management and recycling technologies

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Environmental Management (*continued*)

- **Remediation technologies.** RTI has made important contributions to the development of the Remediation Information Management network, a system through which users can explore alternatives for cleanup by accessing the latest information on over 900 remediation technologies

Indoor and outdoor air quality

Recent experience includes work in China, Ghana, South Africa, Tanzania, the United Arab Emirates, and the United States.

- **Pollution control strategies and training.** RTI staff devise control technology strategies for several industries and apply this experience to objectively assess and verify air pollution control technologies
- **Air pollution measurement and monitoring.** RTI is among the world's leaders in identifying air pollution problems, measuring emissions, and tracking progress, particularly through the development of new methods. Staff evaluate indoor air, measure hazardous air pollutants and volatile organic compounds, and monitor acid rain
- **Climate change.** RTI is developing methods for measuring and reducing volatile organic compounds and carbon dioxide in consumer products and industrial processes. Our economists analyze sustainable forestry policies, including issues of carbon sequestration in forests. Our models have helped assess economic instruments for reducing the cost of compliance, including emissions trading and emissions taxes



Safe water availability and addressing the burden of water collection and delivery are important drivers in programming to meet the needs of the rural poor. [Photo: Sumeet Patil]

Rural, urban, and basin water issues

Recent experience includes work in Bulgaria, China, Dominican Republic, India, Indonesia, Jordan, Poland, Russia, Sri Lanka, Thailand, and the United States.

- **Water data systems and analysis.** RTI is a leader in applying geographical information systems (GIS) for environmental applications. GIS is used in hydrogeological measurement and modeling and in measuring and monitoring the environmental status of water bodies
- **Watershed and river basin management.** RTI's information management tools have been applied in the United States and in emerging market countries, bringing together GIS data and water quality models to inform decision making
- **Water supply and sanitation.** RTI has developed policy and program analysis tools to improve drinking water, water treatment, and sanitation conditions. Many of our projects address governance and capacity-building challenges. Issues covered include sector policy and

regulatory frameworks; capital financing business management with utilities and local governments; cost recovery, customer satisfaction, and institutional and community capacity development to enable and enhance service quality; and related behavior change strategies

Climate change

Recent experience includes work in the United States, China, and East Asia regional projects.

Increasing emissions of carbon dioxide, methane, and other heat-trapping gases generated by human activity are believed to contribute to global warming. Greenhouse gases have varied effects on the atmosphere, as measured by their potential ability to raise the earth's temperature over time. RTI has capabilities in engineering and economics to assist government and industry in the United States and abroad with efforts to stabilize the concentration of greenhouse gases in the atmosphere and to predict and assess the effects of climate change.

Whether from our base in North Carolina or through our worldwide network of international offices and field project activities, RTI offers expertise in environmental science, technology, and policy making. In more than 45 years of applying a broad perspective, by using multidisciplinary approaches to build capacity, evaluate social and economic alternatives, and investigate new challenges and technology, we have come to excel in addressing local and global environmental issues.

RTI International is one of the world's leading research institutes, dedicated to improving the human condition by turning knowledge into practice. With projects in more than 40 countries and a staff of more than 2,600, RTI offers innovative research and technical solutions to governments and businesses worldwide in the areas of health and pharmaceuticals, education and training, surveys and statistics, advanced technology, democratic governance, economic and social development, energy, and the environment. For more information, visit www.rti.org.

RTI's headquarters

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Jakarta, Indonesia
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