



International Experience in Transportation Analysis and Planning

Research Areas

Freight Flows

Passenger Flows

Supply Chain Efficiency

Transportation: Energy Environment

Safety Security

Vehicle Technologies

Project	Description	Country or Region
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Vehicle emissions planning for the US Agency for International Development in India.

ORNL staff helped USAID, the government of India, and the Society of Indian Automobile Manufacturers establish emission standards for two wheel motorcycles.



Transportation Infrastructure Investment Strategies for Rail, Highway, and Waterway Systems for the World Bank in Bangladesh.

A benefit-cost model was developed to determine the most economically beneficial transportation investment strategies for Bangladesh.



Joint Environmental Material Management Service for the Defense Logistics Agency in Okinawa, Japan

Development of a distribution and disposal system for hazardous materials between different US military bases on Okinawa, Japan.

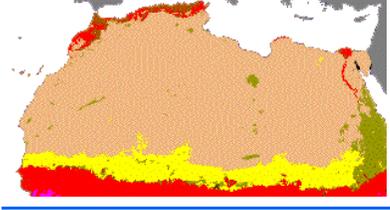


Radioactive material transportation regulatory training in association with the IAEA in the People's Republic of China.

ORNL staff worked with Ministry of Transport of the People's Republic of China to train staff in radioactive materials transportation regulations. Also participated in a number of shipping exercises.



Oak Ridge National Laboratory managed by UT-Battelle, LLC for the U.S. Department of Energy under Contract number DE-AC05-00OR22725

Project	Description	Country or Region
<p>Famine Relief Transportation Planning in the Sahel region of North Africa for the US Agency for International Development</p>	<p>A team of researchers toured ports and land transport facilities to determine the best routes for the movement of food relief into the Sahel.</p>	
<p>Cocoa supply chain analysis for a confectionary manufacturer in Cote d'Ivoire.</p>	<p>A team of researchers toured cocoa farms, buying stations, bean exporters, bean processors, highway system, and ports in Cote d'Ivoire to assess the cocoa supply chain security, safety, and efficiency.</p>	
<p>US-Russian Materials Protection, Control, and Accounting program sponsored by the US Department of Energy.</p>	<p>ORNL is working with Russian scientists and security staff to implement security measures for the development of a sustainable secure truck and rail transportation system for nuclear materials.</p>	
<p>Management of disused highly active radioactive sources in the Ukraine for the US Department of State.</p>	<p>ORNL is modeling the transportation system that will be used to deliver disused highly active radioactive sources from their current dispersed locations to a centralized storage facility that is being constructed.</p>	
<p>New Zealand hazmat transportation regulation revisions.</p>	<p>ORNL staff provided input to the New Zealand Ministry of Transport on the revision of the hazmat transportation regulations for highway shipments.</p>	

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