

4.1.1 Development of Appalachian Regional Transportation and Export Data System with GIS in Mind

Presenter

Sanghong Yoo
Research Associate and Project Manager
Rahall Transportation Institute
syoo@njrati.org

Co-Presenter

Jason Wang
Senior Transportation Specialist
Appalachian Regional Commission
jwang@arc.gov

The Appalachian Regional Commission (ARC) has played a key role in helping the people of Appalachia build a better future: creating jobs and building infrastructure to foster business and community growth and to connect the Region with national and international markets. Promoting export trade opportunities is an important strategy for economic development and employment success in the Appalachian Region. Recently ARC, on behalf of 10 Appalachian States, acquired PIERS Data, the comprehensive database of US waterborne trade activities, to ensure that Appalachia's leaders and citizens have the capacity, capability, and resources they need to build and strengthen their local economies.

ARC will be using this data to develop the Appalachian Regional Transportation and Export Data System (ARTEDS) in partnership with the Rahall Transportation Institute, as part of the long-standing program

GIS-T 2012 Mainframe to Mainstream 25 Years of Progress

with the Institute for the Appalachian Development Highway System (ADHS) GIS project. The system will be an interactive web-based GIS mapping system and the Institute will geocode the companies and businesses with exporting products in Appalachian region for users to search and query. The system will also help users to identify potential exporter, transportation route, inland transportation nodes, and U.S. export ports.