NWSRFS Training in Vietnam and Uzbekistan

U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT

PROJECT SUMMARY

The National Weather Service needed assistance installing its National Weather Service River Forecast System in Vietnam and Uzbekistan and training local staff on using and maintaining the system. Riverside Technology, inc. staff traveled to both Vietnam and Uzbekistan to install the system and train local engineers and Ministry of Water Resources' officials.

LOCATION
Vietnam/Uzbekistan

PERIOD
2004 – 2005

PROJECT DETAILS

The U.S. Agency for International Development (USAID) requested the U.S. National Weather Service (NWS) to help implement the National Weather Service River Forecast System (NWSRFS) in both Vietnam (for the Red River basin) and Uzbekistan (for the Aral Sea watershed).

In Uzbekistan, NWS had already established a hydrologic forecast system and Riverside Technology, inc. (Riverside) had assisted the NWS in these activities, including installing the forecast system, calibrating hydrologic models, and providing operational training to engineers from countries throughout Central Asia.

In Vietnam, Riverside had also helped design and conduct NWSRFS implementation and operations training for Vietnamese engineers visiting the Southeast River Forecast Center (SERFC) in Atlanta, GA.

The NWS asked Riverside to provide additional training and technical support to engineers in Uzbekistan and Vietnam on the NWSRFS systems. Riverside staff traveled to Vietnam and assisted Vietnamese engineers in making the NWSRFS and the FLDWAV model operational for the Red River.

Riverside prepared training materials and also worked with the SERFC to obtain, evaluate, and become familiar with segments, models, and outputs of the Vietnamese version of the NWSRFS. Riverside staff traveled to Uzbekistan and worked with Uzbek engineers to develop a specialized, in-country training program plan, which also included Riverside recommendations to enhance the NWSRFS operability and sustainability in Uzbekistan.

The program plan included operations support as needed, and addressed issues such as a routine review of current forecast status and operational forecasting procedures. Riverside also prepared an operational procedures document that discusses daily operations requirements, NWSRFS troubleshooting, and UNIX system administration.

RELATED PROJECTS

NWSRFS Implementation for the Mahanadi River Basin

Strengthening Flood Control and Early Warning Capabilities Along the Red River Basin

Water Users Association Development for Tajikistan

River Forecasting System for Central Asia

Decision Support System for the Syr Darya River Basin

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