POSTDOCTORAL FELLOW: BASIN-SCALE MODELING AND SALINITY MANAGEMENT  
Tashkent, Uzbekistan

The person and the job:

The International Water Management Institute (IWMI) (www.iwmi.org) is looking for a person with a PhD in hydrology, hydrogeology, water resources management or a related discipline, which was awarded not more than 5 years ago. The person should have an in-depth understanding of the concepts of basin water resources management and an in-depth knowledge of basin processes modeling. The position holder will be based at IWMI’s Central Asia Office in Tashkent, Uzbekistan, and will report to the Researcher - Hydrogeology.

You will:

• conduct research on basin water and salinity management in the Amudarya and Syrdarya river basins;
• conduct research on conjunctive management of surface water and groundwater, and on the quantity and quality of water resources in the Syrdarya River Basin;
• examine alternative water-energy management interventions through data analysis and simulation modeling;
• examine alternative water and salinity management strategies through simulation modeling; and
• prepare journal articles, research reports and conference papers.

You will possess:

• a PhD in hydrology, hydrogeology, water resources management or a related discipline (the PhD should have been awarded not more than 5 years prior to the time of application);
• an in-depth understanding of basin water management;
• an in-depth knowledge of basin processes modeling and strong modeling skills;
• competency in the application of geographic information system (GIS) techniques to basin water management problems;
• modeling skills in using the Water Evaluation and Planning (WEAP) model, HYDRUS, Soil and Water Assessment Tool (SWAT) or MODFLOW;
• a good command of both spoken and written English;
• the ability to effectively establish priorities, and plan, organize, implement and monitor work activities; and
• good interpersonal skills, and the ability to establish and maintain effective working relationships with people in a multicultural environment, with sensitivity and respect for diversity.

It would be useful if you have:

• knowledge of basin water management issues of Central Asia;
• work experience in developing countries;
• knowledge in GIS/RS; and
• a proven record of relevant peer-reviewed articles in international journals, where the applicant is the first author.

This is an internationally recruited position with a competitive salary and benefits package, which includes a housing allowance, transport, education, shipping assistance, annual home leave and health insurance package. Postdoctoral scientists are appointed on fixed two-year contracts.

The International Water Management Institute (www.iwmi.org) is an international, non-profit research organization dedicated to improving the management of land and water resources for food, livelihoods and the environment. IWMI is a member of CGIAR, an international consortium of agricultural research centers.

IWMI is an equal opportunity employer and is keen to further diversify its staff in terms of both gender and nationality.