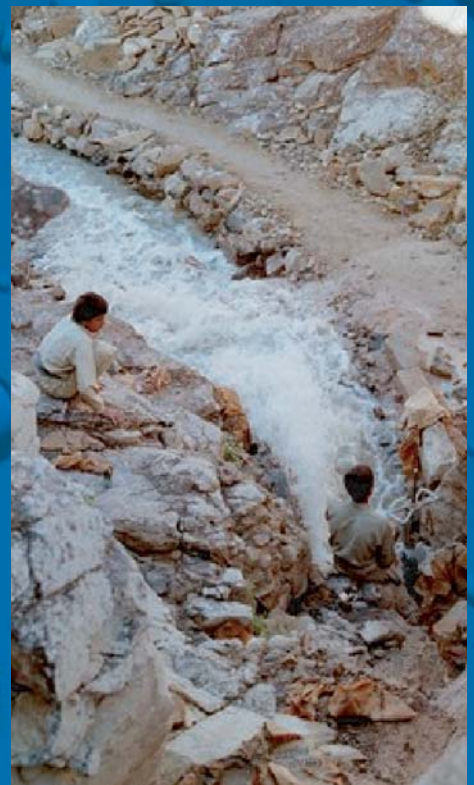




Enhancing Water Resources by Managed Aquifer Recharge

Harvesting and diverting rainfall to shallow aquifers during the wet season for later use can reduce the uncertainty of water supply in the dry season and minimize water loss due to evaporation from surface storage. Such aquifer storage schemes require reliable monitoring to ensure the availability and quality of harvested water. Isotopes are an effective tool for such monitoring. An ongoing regional TC project in the Middle East is assisting countries to use isotopes for optimum design and monitoring of managed aquifer recharge schemes.



In the Sana'a basin, Yemen, water recharged from a dam is easily identified by its isotope signatures

