

Module Description

This session will review the basic concepts in groundwater science that are a prerequisite to understanding its management challenges. At the end of the module, participants will be able to understand terms pertaining to groundwater such as permeability, porosity, unconfined aquifer, confined aquifer, saturated and unsaturated zone, drawdown, cone of depression, recharge rate, Darcy's law, and artesian wells, as well as how these terms are relevant for practitioners and policy makers in the Indus Basin. Participants will be able to illustrate problems facing groundwater, (such as chemical contamination, point source and nonpoint source contamination, sediment control, and overuse).

Resources

<http://water.usgs.gov/ogw/>

http://www.un-igrac.org/dynamics/modules/SFIL0100/view.php?fil_Id=176

<http://www.deh.gov.au/water/rivers/nrhpgroundwater/chapter2.html>