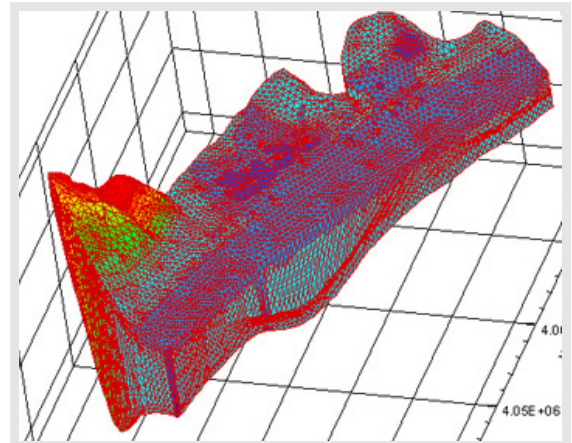


## Image of the Week - Modeling Underground Waterflow with CODESA-3D

CODESA-3D, standing for COupled DEnsity-dependent variably SATurated flow and miscible transport, is an EuMedGrid application that models water movement in aquifers. This three-dimensional simulator can help hydrologists calculate how much fresh water can be pumped from costal aquifers before risking salt water contamination.

[EuMedGrid](#) is a project working to create a grid infrastructure for research in the Mediterranean region.



CODESA-3D visualization of underground waterflow in the Korba aquifer in Tunisia. [Click for full image.](#)  
*Image courtesy of Giuditta Lecca, CRS4, Italy and Domenico Vicinanza, CERN-IT and University of Salerno, Italy*