WxAnalyst's WxAzygy® Goes Underground

WxAnalyst is pleased to announce that their WxAzygy® Transparent Interface has gone underground to visualize and manipulate subsurface information in Google Earth.

The underground methodology is introduced and demonstrated by Boggs, Dordevic and Shipley in their GeoScience Canada feature article "Google Earth Models with COLLADA and WxAzygy Transparent Interface: An Example from Grotto Creek, Front Ranges, Canadian Cordillera" (ISNN 1911-4850, 2012, Vol. 39, No. 2, pp 56-66). The WxAzygy® Transparent Interface is featured with Google Earth on the cover of GeoScience Canada.

Students are now using Google Earth with WxAnalyst's WxAzygy® freeware to construct and interact with geologic cross sections, overcoming cognitive barriers to understanding three-dimensional subsurface structures.

WxAzygy's developer, Dr. Scott T. Shipley, built this transparent interface so users can merge four-dimensional information from atmospheric, oceanographic, geologic and aerospace sources using geobrowsers such as Google Earth and NASA World Wind. Until the Grotto Creek Front Range project, the WxAzygy® Transparent Interface was primarily used to visualize, analyze or modify massive atmospheric databases. The Deepwater Horizon incident in the Gulf allowed WxAnalyst to demonstrate underwater capabilities. The Grotto Creek Front Range depiction confirms WxAnalyst's belief that the WxAzygy® Transparent Interface offers dramatic visualization "Up in the Air, Way out in Space, Deep down Below, All over the Place."

The WxAzygy® Transparent Interface is the result of Small Business Innovative Research (SBIR) funding provided by NASA Langley Research Center and NOAA's National Climatic Data Center. A patent for the basic method employed by the WxAzygy® Transparent Interface has been awarded to WxAnalyst.

WxAzygy® is pronounced wix'-a-zə-jē (rhymes with syzygy). Links to GeoScience Canada and featured YouTube demonstration videos are provided at wxanalyst.com.

For more information, please contact Albert Peterlin, apeterlin@wxanalyst.com

GeoScience Canada feature article:
http://journals.hil.unb.ca/index.php/GC/issue/current

YouTube Videos:
http://www.youtube.com/watch?v=ulER7AxkEGs
(Part 1, Google Earth 5.2)
http://www.youtube.com/watch?v=psiUYgeJ9NE
(Part 1, Google Earth 6.2)
http://www.youtube.com/watch?v=MLzblTU3zy4
(Part 2, loading WxAzygy®)
http://www.youtube.com/watch?v=eXnVZ5qiejA
(Part 3, working underground)