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Visualization and Technology Demonstration

Abstract:

This technology demonstration will showcase various ESRI technologies expressed through a 3D Geobrowser application called ArcGIS Explorer. Various vignette demonstrations will be used to highlight the ArcGIS framework for conducting various analyses and resulting visualizations. The ArcGIS technology framework provides tools and visualization capability that are well suited for use by scientists in conjunction with other analytical tools. In addition, resulting datasets and visualizations can easily be transitioned to publicly available experiences that can be used to help communicate our planets dynamic nature. To illustrate these points the thematic area for demonstration will focus on a range of time sensitive cases from plume modeling and display to longer term time series animation for scientific visualization of Arctic and Antarctic sea ice change.