

Illinois Update

Melony Barrett



I ILLINOIS

ArcGIS Update

- ArcGIS Online
 - The university finally granted us our own ArcGIS Online subscription (since we pay a third of the educational license maybe?)
 - The plan is to transition to using that as the main face of the clearinghouse, offering all of the data on our current website, and hopefully get more offerings and involvement from our sister surveys (ISWS, INHS, ISAS, ISTC)
- Portal
 - Set up a portal about a year ago, but have yet to get it off the ground because of the named user limitations



ArcGIS Update

- Site upgrades planned (10.5.1 to 10.6.1)
 - Complication: transitioning from multiple ArcGIS Server clusters back to a single cluster



Distribution of 3D Geologic Models

- Challenges
 - To provide stakeholders access to the results of 3D geologic modeling. Often geologists would have only pretty pictures that are difficult to really see inside or complicated software viewers to download and install and only then could they interact with the data. Software was kind of clunky, too.
 - Geologists were also using different software to create their 3D models. Common denominator of all of the models, though, was the output – ASCII grids. All geologists could provide surfaces representing the tops and bottoms of each layer in the model.

Distribution of 3D Geologic Models

- Solution:
 - Throw all of the surfaces in a map, publish it as a service, use the ArcGIS JavaScript API to query it, and HighCharts, a third party JavaScript graphing library, to generate cross sections and boreholes from the data.

<https://maps.isgs.illinois.edu/vxs/mchenry>

<https://maps.isgs.illinois.edu/vxs/kane>

<https://maps.isgs.illinois.edu/vxs/lake>



Hello.

- This is your suggested body copy format.

