ArcGlobe also requires ArcGIS Desktop and the extension **3D Analyst**. ArcGlobe only loads the current view into memory, so ArcGlobe supports loading large amounts of data and multiple areas onto one globe. ArcGlobe has a single elevation surface and requires data to project it correctly on the globe. ArcScene is more flexible in these areas and is better suited for underground visualization.

"Project" files can be published from ArcPublisher to use in ArcGlobe.

From: http://support.esri.com/index.cfm?fa=knowledgebase.techarticles.articleShow&d=33242
Using GOOGLE and GIS Data:

- Conversion of shapefiles to KML
- Use of KML links / network links to web servers to leave data where it belongs...on a server!
- Projected imagery (aerial photography and scanned tax maps) look awesome in GE!
Google Earth

- The King of world-wide 3D imaging.
- Great, free application for geography teachers & students.

CAN IT BE MORE?

YES!
Unique to Clinton County Web Page:

- Users can download a ton of data and information.
- Old Tax maps are available for use in GE through using kml files.
- GIS Data is available as kml files.

www.clintoncountyohgis.org
**Google Earth & Tax Maps**

View These Maps in Google Earth!

Just click on the year you want to use and Google Earth will branch & fly to that township. Hover over the map to see the parcel. You can click on another year and that image will show up on Google Earth along with the first one you selected. Then, you can display one at a time or you can make one transparent (using the sliding bar tool) and compare one map to another.

Any year that has been made available in Google Earth will look like this...

"1965"

Any other year that is grey or blue will bring up the PDF map, but as it is in the archived maps section, it will take some time to convert all of these images for use in Google Earth. So check back regularly or email for more information.

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Use Google Earth to Find Data to Download

Click on a Tile ID & get directed to the ftp site to download data...
Comparing Data from Multiple Years...

Use the Transparency Sliding Bar
One of our Latest Projects....

- Create 3D features for street centerlines
- Calculate 3D Length on those features
Next Set of Slides: Adding 3D Length to Lines

- **Delivery Format**
  - LAS
  - TXT File
    - LAS Reader in ArcCatalog
    - Add X-Y Data as an Event
    - Export to Shapefile: Point Data
    - Clip to Area
    - Create TIN in 3D Analyst
    - Warp Aerial Photography
    - Create 3D Features
    - View in 3D

- Calculate Elevation
- Calculate 3D Length
The Process

Vast field of points

Clipped to buffer around street centerlines

TIN - 6 inch Color Difference

Zoomed-In Area...
Add X-Y Data
Export to a 3D feature
View in 3D
What Does The Future Bring?

State-Wide Orthophotography program will be providing LIDAR data!

Looking at Map Data in 3D Opens a Whole New World
Clinton County Data Available Online

Internet Accessible Data

Thanks For Your Time!

WWW.CLINTONCOUNTYOHGIS.ORG