

### Web Map Apps

 In the first part of our exercise, you visited some web map applications



# What's a Web Map Apps • Web Map Apps rely on a browser and "wrapper software" to deliver GIS content to the client • It is the browser that "consumes" the web map service • Web Map Apps are frequently "mash-ups" of various web map and web image services Wrapper software is a generic term referring here to software like ArcGIS Portal that uses Java Scripts to draw maps and provide map content Potatele Idob Fulls Meriden Twin Fulls





### Putting Smart Maps on the Web

- Browsers (FireFox, Edge, Chrome, etc.) cannot consume map services **directly**
- They need something (wrapper software) to prepare these data for consumption





### AGOL Architecture

- AGOL is a cloud resource
  - ISU's AGOL presence is called gISU
  - Each of you already has a user account on gISU
  - gISU is allowed 50,000 user accounts
  - gISU is allowed 5,000,000 credits under our site license





### Credits: Things you Need to Know!

- Storing geospatial data in the AGOL cloud costs credits
- Creating and storing TILES in the AGOL cloud costs LOTS of credits
- Raster layers are not allowed in AGOL (based on ISU's license agreement)
- What do we do???

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3

### Leverage All Our Resources

- Create and store OUR big geospatial data on OUR server
   The GIS TReC's Portal
- Create web services for these Big Data (map/image services) on OUR server
- Share the service end-points (URL) with AGOL (gISU)

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### Time to Share

- From AGOL, share your item!
  - Once you add an ITEM to AGOL you can easily share it with others (by named group) or with EVERYONE (public).
  - Your source service in portal must also be shared in the same way

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- $-\operatorname{Recall}$  our discussion of permissions from the "Systems
- Administration" section of this class





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### Now its Time for Cartography Make your map using AGOL tools Explore Use Esri's new Map Viewer Have fun! Detailed instructions can be found in this week's exercise document Since the data are not uploaded to AGOL (it is stored on Portal and shared with AGOL), you will not use any credits!

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## Professional Hints and Tips Work Smarter not Harder with a List of Files Build a batch file Build a Python script Build a Macro (Idrisi TerrSet, LAS Tools, etc.)

