

## Spatial Sci Chat 1-23-07

Jeff joins My room

23/01/2007 <Jeff> Hello folks

23/01/2007 <Mariann> I am working on the cancer study, a trip to Yellowstone Park with my Biology class, and trying to get the computers back to being friendly

23/01/2007 <Dave> Ahhh . . . we are still analyzing collected data from our study site down by the Bitterroot River.

23/01/2007 <carl> Thanks, Jeff for the help on the boundary of the school site.. I was able to edit it

23/01/2007 <Dave> One of my kids is doing a Science Fair project on extracting the chemical from knapweed roots to see if it effects growth of plants and hopefully try it out on tansy if it proves promising.

23/01/2007 <Mariann> I wish that I could get my students and working computers into the same room at the same time. When the computers were working, the students were gone to BPA, FFA, or some other thing.

23/01/2007 <Jeff> Carl, good to hear. Was it the scale issue?

23/01/2007 \* Randy joins My room

23/01/2007 \* Dave quit (timeout)

23/01/2007 \* Lisa joins My room

23/01/2007 <carl> Yes, and I used the editor to superimpose the cadastral date on the SID image and it worked great

23/01/2007 <Lisa> Hi everyone!

23/01/2007 <Dave> I did not get kicked out Jeff!

23/01/2007 <Jeff> OK, sorry my bad.

23/01/2007 <Mariann> Jeff, would you send me some info on the handheld that I need for ArcPad

23/01/2007 <Jeff> For those of you wondering, dave is here at the University

23/01/2007 <Jeff> Making fun of us

23/01/2007 <Dave> Whatever!

23/01/2007 <Mariann> Has anyone called the snotel sites for Yellowstone for our competition?

23/01/2007 <Jeff> Mariann, the handhelds you need must run Windows CE, instead of Palm OS. There are several brands that use Windows CE, HP, DELL, etc...

23/01/2007 <Jeff> I just priced out some HP IPAQ's and they were are \$350

23/01/2007 <Mariann> Ouch!

23/01/2007 <Lisa> One of the goals for this chat is to make sure everyone knows where the data for the GIS competition is housed on the spatial sci site

23/01/2007 <Mariann> If I don't have to buy anything besides the handheld and the ArcPad software I am ok

23/01/2007 <carl> Lisa, is it all located under the data section?

23/01/2007 <Lisa> If you look under GIS Competition Resources you will see where Jeff has outlined a series of data sets

23/01/2007 <Jeff> The handhelds are not cheap, but they can extend the possibilities of collecting data in the field.

23/01/2007 <Lisa> Here, the data sets are described, but to access them you still need to go to the data tab (life, earth, physical, demography)

23/01/2007 <Lisa> You also should or will be receiving the Tom Brokaw special on climate change

23/01/2007 <Lisa> in the mail

23/01/2007 <carl> I recieved it yesterday..Thanks

23/01/2007 <david> I got mine also thanks

23/01/2007 \* Dave quit (timeout)

23/01/2007 <Lisa> Yes, Carl, it is all located on the spatial sci page under the data tab

23/01/2007 <Lisa> great to hear you have received it, you also have the power point, list of questions scientists ask about climate change

23/01/2007 <Mariann> Under what subheading for the Data tab?

23/01/2007 \* jennifer joins My room

23/01/2007 <Lisa> Mariann, if you go to physical sci, life sci, . . . each section contains the relevant data sets

23/01/2007 <Lisa> does this make sense mariann?

23/01/2007 <Lisa> but you won't find a gis competition data set - we decided to keep it within the original data categories so that users could access the climate

23/01/2007 <Mariann> Yes, now it does. I was sort of expecting a separate subheading.

23/01/2007 <Lisa> change data and other data that may be useful

23/01/2007 <Lisa> at the same time

23/01/2007 <Jeff> If you look under the competition resources you will see the data sets we have created for the competition. You can link directly to the data sets from here by clicking on the data set title.

23/01/2007 <Lisa> right, I thought that might be what you were thinking - it is a reasonable assumption

23/01/2007 \* Randy quit (timeout)

23/01/2007 <Lisa> mike and tim can't make it tonight but they are planning to focus just on glaciers for their gis competition

23/01/2007 <carl> Jeff, where are the competition resources located?

23/01/2007 <Lisa> carl if you go to the GTEC page and click on the GIS competition tab

23/01/2007 <Lisa> then click on the GIS competition resources

23/01/2007 <Lisa> then scroll all the way down  
23/01/2007 \* Dave quit (timeout)  
23/01/2007 <Lisa> Jeff has an outline of each data set available  
23/01/2007 <jennifer> hi all  
23/01/2007 <Jeff> Under GTEC, under GIS competition under competition resources. If you scroll down you will see the heading Spatial Data Sets  
23/01/2007 <Lisa> hey jennifer, how are you doing?  
23/01/2007 <jennifer> good, I can't stay long, sorry  
23/01/2007 <Lisa> you can click on the title of the data set and it will take you right there  
23/01/2007 <Lisa> that's ok jennifer, have you looked at the GIS data sets yet?  
23/01/2007 <Lisa> I just want to make sure you know where to access them  
23/01/2007 <david> GTEC  
23/01/2007 <Mariann> I would like to work on the effects of climate change on some aspect of Yellowstone Park if no one else is taking that location.  
23/01/2007 <Mariann> We don't have a snowtel site nearby, and the students are getting excited about YNP.  
23/01/2007 <Jeff> Mariann we are meeting with a NOAA guy tomorrow to see if we can get more accurate data for the SNOTEL sites.  
23/01/2007 <Jeff> The data we are finding is a bit cryptic  
23/01/2007 <Mariann> What NOAA office are you contacting?  
23/01/2007 <Lisa> what is everyone else thinking about in terms of how they will approach the competition  
23/01/2007 <jennifer> I like the stuff on Glacier Park  
23/01/2007 <Jeff> It is the office in Missoula at the airport. He happens to be on the school board, so we have a direct connection  
23/01/2007 <david> Maybe water levels used for the Lower Yellowstone irrigation project and snow pack levels??  
23/01/2007 <Jeff> We do have the snotel site data, but unfortunately the snowpack data is not included. Once we get the data we will have to merge it with the other shapefile  
23/01/2007 <carl> my students are nervous because they haven't had much ARCMAP training. I told them that the focus was on using ARCMAP to understand the data. I told them that they could work in groups of three due to our computer shortage. This setup with the files available will help greatly.  
23/01/2007 <Dave> Jeff, do you know whether or not info is available for the Bitterroot River flow by month for the last several years?

23/01/2007 <Lisa> no problem carl, whatever works in terms of groups size

23/01/2007 <Mariann> As I learned in the prelim project, merging data can be not as much fun as one would think.

23/01/2007 <Mariann> I discovered that how the data files are formatted really affects what the final project looks like.

23/01/2007 <Jeff> Dave, I will have to look at the USGS stream flow data to see if that is available. I will also check with Ray tomorrow.

23/01/2007 <Dave> Is this available for different points along the river?

23/01/2007 <Jeff> Dave it depends on where the gauges are.

23/01/2007 <Lisa> jennifer, one of the things we noticed about the glacier data set is that the attribute data on area isn't clear in terms of whether is shapefile used the same parameters

23/01/2007 <jennifer> thats not good

23/01/2007 <Lisa> for measuring area so if you want to compare area

23/01/2007 <Lisa> it would be best if you opened up the shape files, they are separated by year, so the 1850 will be a polygon with the furthest reach of the glacier

23/01/2007 <jennifer> ok, let me play with it and see where we get

23/01/2007 \* jennifer quit (timeout)

23/01/2007 <Jeff> Are there other data sets you need to help with the competition?

23/01/2007 \* Dave quit

23/01/2007 <Mariann> Are there any really good YNP sets?

23/01/2007 <Mariann> I haven't checked NRIS yet, but I will find them if they are there.

23/01/2007 <carl> I had a group of students interested in how ski areas are affected. Would there be anything available for that?

23/01/2007 <Lisa> carl, I know that there is a lab on campus collecting snow line data - I'll check tomorrow and see if they have it in shapefiles

23/01/2007 <Jeff> Carl, if we can get SNOTEL data then we should be able to look at snow pack elevation, then they should be able to predict how much it will decrease over the next so many years.

23/01/2007 <carl> are there many SNOTEL sites in these areas?

23/01/2007 <Jeff> There are all kinds of sites around the state, especially around western mt (sorry easterners), so they should be able to make some comparisons.

23/01/2007 \* Dave joins My room

23/01/2007 <Dave> Jeff, is there data existing on vegetation changes over time ie 1900, 1950, 2000 or some such thing that might

indicate climax vegetation changes that may correlate to climate change?

23/01/2007 <Jeff> Dave, I have not run across this data yet, it doesn't mean it doesn't exist. We are going to ask Rachel to do some digging around for some of that historical data.

23/01/2007 \* Randy quit (timeout)

23/01/2007 <Mariann> I am finding some data on YNP-- but I will have to look further to see if it is what I want.

23/01/2007 \* Dave quit (timeout)

23/01/2007 <Lisa> Hey everyone, our main goal was to make sure you were aware of the data available and answer any and all questions - if you are comfortable with this, we don't want to keep you in the chat

23/01/2007 <Mariann> Thanks-- It was great talking to you

23/01/2007 <Lisa> mariann, let us know what else you might like

23/01/2007 \* Mariann quit

23/01/2007 <Lisa> have a great evening mariann

23/01/2007 <david> thanks

23/01/2007 <Lisa> good night david!

23/01/2007 \* david quit (timeout)

23/01/2007 <carl> can we e-mail you when we start working with the kids in the competition? If we have questions?

23/01/2007 <carl> Lisa, Jeff, talk to you later, thanks

23/01/2007 \* carl quit

23/01/2007 \* carl joins My room

23/01/2007 \* carl quit