

**Welcome to the VCCS
Geospatial Institute**

Hosted by the:

With support from:

Geospatial Technician Education Through Virginia's Community Colleges (GTEVCC)

Welcome, back!

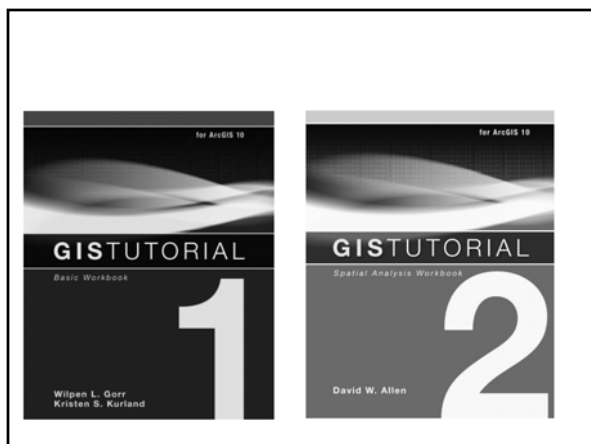
- We are honored to have you back at Virginia Tech!
- The 2011 VCCS Geospatial Institute will review and build on material from last year.

**The 2011 VCCS Geospatial
Institute**

- If we are 'reviewing' to much, let us know and we'll move faster!
- If we are not 'reviewing' enough, then let us know, we'll move slower (and we have plenty of people to help!)
- We'll be using ArcGIS 10!

Changes for 2011

- Standard textbooks...
- Slower pace!
- Fewer guest speakers
 - Speakers are typically scheduled at the end of the day...
- More opportunities for "software exploration" and hands on exercises!
- Better coffee (I hope) and snacks!



A note about our adopted textbooks...

- Developed by ESRI – Software 'oriented'
- Follows a fairly logical sequence
- These texts are 2 of the 4 that are recommended study guides for the ESRI technical certification (more on that on Thursday!)
- Could potentially be used as course textbooks (but there are plenty other options to choose from)
- Instructor DVD's are available if you adopt these..
- Good reference material for you later.

Before we get started, let's take care of some business!

- Parking passes – PLEASE hang them in your vehicles at the first break
- Bathrooms – Down the hall!
- Accommodations - The keys to New Hall dorms will be distributed around 2:00 (here). For those staying at "The Inn", you will need to register this evening.

Thank you in advance!

Evaluations

- Remember those fun daily evaluation forms from last year? We get to do them again this year!!!!
 - These are very important, they help us to better serve your needs throughout the week;
 - They also provide guidance for the workshop as a whole. They provide a "map" for the professional evaluators that show how 'far you have come' during the course of the week (and year!).
 - Helps us to provide opportunities in the future...

The Virginia Geospatial Extension Program

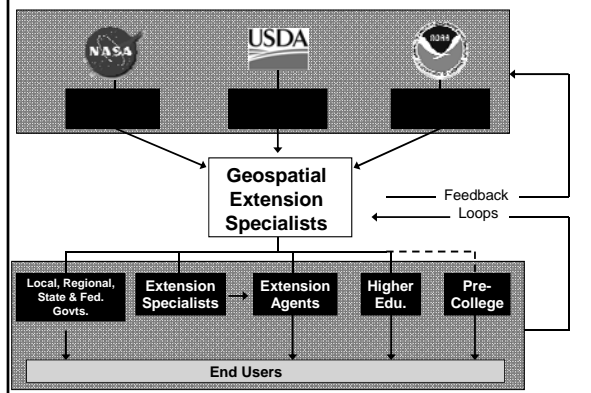
- Established in 2003, initially soft money funded
- 100% outreach and Extension oriented
- Initially established through a NASA workforce development grant championed by the Virginia Space Grant Consortium and Virginia Cooperative Extension (more on VSGC later!)
- Position picked up by the Univ. in 2006
- VSGC & VCE remain extremely supportive

The Virginia Geospatial Extension Program

The Vision:
 Bridge the gap between potential geospatial needs and real world products and services that support a rational decision making process...

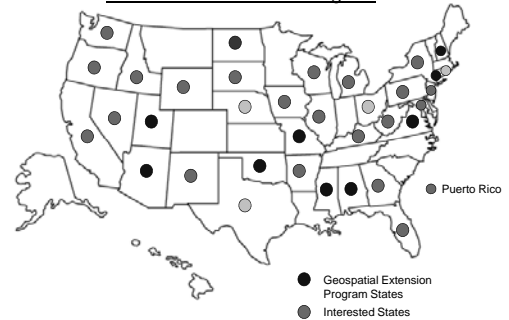
- Objectives:**
- Define and develop the geospatial market by assessing needs of potential users
 - Promote the research and development necessary to tailor decision support tools to meet those needs
 - Develop a workforce skilled in geospatial technology

The Geospatial Extension Program



Geospatial Extension Specialist

Status of the National Program





The Agenda

- The agenda is located in the first section of your notebook.
- Day 1: Share your experiences & get warmed up with ArcGIS (You guys and Rodney!)
- Day 2: ArcGIS 10 part 2!
 - Data formats
 - Basic analysis
 - Gathering and sharing data
 - ArcGIS Explorer

The Agenda

- Day 3: Working with GPS
 - Review of recreational grade GPS's
 - Working with ArcPad
 - Differential correction exercise
 - Facilities mapping
- Day 4: Introduction to Remote Sensing using ArcGIS 10!

The Agenda

- Day 5: Working with ArcGIS extensions
 - Spatial analyst
 - 3-D analyst
 - Group dinner!
- Day 6: Building your GST Program
 - Building your GST Program
 - Survey grade GPS demo
 - ESRI Certification Program Overview
 - Final Exams Due**

Group Dinners

- Saturday night (tonight!)
 - Hahn Hort. Gardens!
 - Catered by Mikie’s 7th (organic)
- Wednesday night
 - Cookout at Shadowchase Farm! Whoopie!



Shadowchase Farm

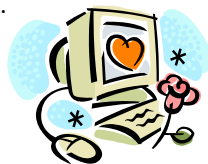


Additional notes:

- Your notebook
- Breakout room / coffee / drinks
- A ‘light breakfast’ (bagels and cream cheese) will be provided...

Lab Rules

- No food
- No drinks
- Please take care of your cell phones
- Be nice to your computer...



“The Workbook”

- Course notebook
 - Bring it to the workshop each day, you’ll need it, and we’ll be adding more goodies to it each day..
 - We will lock the door at night
 - Jen and I have keys!
 - You can leave your notebook in the lab at night so you will not have to lug it all over the place...

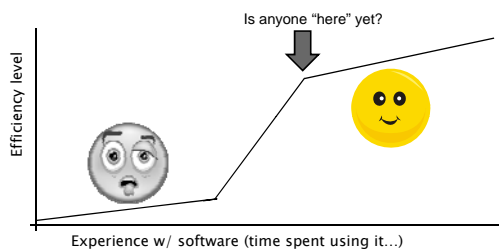
Common questions

- So where are the bathrooms?
-Down the hall...
- Is parking an issue on campus?
-You know the scoop...
- Where is the soda machine?
-In the cooler next door.

Common questions

- Do you expect me to remember everything in this workshop?
 - No.
 - The information provided is being offered “cafeteria style”.
 - Not everyone will need to use everything.
 - We want to make you aware of the possibilities.
 - We want to provide you with the resources to make GIS integration at your community college / high school as easy as possible

The Learning Curve



Workshop Goals for 2011

- Remember, this is not a GIS software workshop, it is a Geospatial Workshop!
 - GIS, GPS, and remote sensing
- Become familiar with GIS software, data, applications, analysis, career / employment opportunities
- Become familiar with GPS
- Using remote sensing in ArcGIS 10
- You will again be exposed to the resources to support your continued efforts to integrate geospatial in the classroom when you leave here!
- More emphasis this time on classroom implementation, course and program development (later in the week...).

2011 Stipends - \$1000 total for 2011

- \$500 will be awarded after the completion of the 2011 Institute
- The additional \$500....
Increasing the integration of geospatial technologies into the classroom, or the development of a new geospatial technology course after the second year (summer 2011) workshop.

2011 Stipends

- Note that 2010 expectations must be completed before any 2011 stipend payments can be made.
 - And yes, that includes the initial \$500 payment...
- We are here to help you meet expectations and would like to meet with you all & map out a plan of action for 2011!
- We want you all to succeed and will help as best as we can!

Meals and Accommodations

- Accommodations for 2011:
 - New Hall (just across the sidewalk from Cheatham)
 - The Inn at VT (“\$42 / night rule”)
- Meals
 - Breakfast: On your own!
 - Lunches: Dietrich Dining Hall (we have the “special credit cards”)
 - Dinners: We’ve got two evening socials planned (our first one is tonight!). Otherwise, please feel free to dine in small (or large) groups!

Expense reimbursement info.

- We have to follow state regulations
- For those of you staying overnight, we are covering all of your meals while you are in Blacksburg. If you purchase a meal, you do not need to keep a receipt.
- Lodging: Your rooms are covered
- Your respective community colleges / high schools are covering travel expenses
- A note to the daily commuters...

Expense reimbursement

(continued)

- Breakfast: \$ 7.00 / day
- Lunch: \$ 0 (we are providing lunches each day)
- Dinner: \$ 23.00 /day
(note: if we have made arrangements for a dinner, then you can not be reimbursed for “dinner on your own”)
- Daily Incidental Expenses: \$ 5.00
- There’s a reimbursement form in your workbook... Turn the form in on Thursday morning (or today!) for a quick turnaround!

Travel Reimbursement Information

Only complete this form if you are applying for reimbursement from VT

Name: S? Address: “Up on the mountain...”

Account Number: 546209

Purpose of Travel: Attend the 2011 Community College Geospatial Institute

Your Status: Community College Faculty High School Faculty Other

Meals & Lodging During Travel:

Saturday, 05/21/11:	<u>none</u> Meals	<u>_____</u> Accommodations (receipts required)
Sunday, 05/22/11:	<u>B & D</u> Meals	<u>_____</u> Accommodations
Monday, 05/23/11:	<u>B & D</u> Meals	<u>_____</u> Accommodations
Tuesday, 05/24/11:	<u>B & D</u> Meals	<u>_____</u> Accommodations
Wednesday, 05/25/11:	<u>B only</u> Meals	<u>_____</u> Accommodations
Thursday, 05/26/11:	<u>B only</u> Meal	<u>none</u> Accommodations

“Inn at VT” or “New Hall”
↓

Comments/Special Instructions:

• To help us process your reimbursement expenses in a timely manner, please insure that you put your full name and address at the top of this form.

OTD: Workshop participants will be reimbursed for dinner (\$23) on arrival day (5/24/11) and for...

Meals (continued)

- Remember...
 - Keep in mind that project funds can not be used to pay for any alcoholic beverages;
 - So please “pay as you go” during group meals...



Kudos to those working behind the scenes...

We have additional administrative help this year. Please stop by and tell them “Thanks!”

- Tracey Sherman (310) – basically saved my “rear” last year (2010). Please thank her!
- Stacey Kuhar (311) – The ‘new kid on the block’ (2011). All reimbursement forms, etc. go to her. Please thank her. You’d be sleeping on the sidewalk if it were not for her...

For those of you taking this course for credit

- Intro to Geospatial Technologies for Educators
- There is a short exam. Please get the exam back to me on (or before) the last day of the workshop. If you have questions about it, please do not hesitate to talk with me...
- Keep in mind that this course a 3-credit pass / fail option!

Mentoring in 2011

- We will be providing 'mentorship' support through 2011-2012. If you need assistance, please do not hesitate to contact either myself, George, Rodney, David, or William!

Fall Workshop for 2012

- We hope to offer a workshop in the Autumn 2012 for VCCS faculty and High School Earth Science teachers.
- GeoMappApp – A user-friendly, remote sensing, earth science-based application!
 - Roanoke
 - Charlottesville

Summer 2012

- I am hoping to offer a 1-day workshop in Charlottesville / Richmond
- Integrating soil and geologic data in ArcGIS
- You guys will get 'first dibs'...
- Stay tuned!