DRAFT – Not yet Adopted by the Membership

MINUTES OF THE MANAGEMENT ADVISORY COUNCIL January 21, 2009

Visit the MAC website at ct.gov/MAC

On behalf of Peter Bucknall, MAC Chair, who was unable to attend the meeting, Mark Polzella, MAC Vice Chair, called the business meeting to order at 9:15 a.m. Those in attendance introduced themselves.

Approval of Minutes

The minutes of the November 19, 2008 meeting were approved unanimously, as submitted.

Treasurer's Report

David Lynn, Treasurer, reported that the balance in the treasury as of January 1, 2009 was $3,406.56. Since the last meeting, activity in the account consisted of withdrawals for the $100 donations to Give2TheTroops and Foodshare, and crediting of a $15.25 dividend. The Treasurer's report was accepted unanimously.

Committee Reports

Credentials. On behalf of Ellen Carter, MAC Credential Chair, Mark reported that two agencies, Department of Emergency Management and Homeland Security and Connecticut Agricultural Experiment Station, have requested MAC membership. This would require an amendment to the ByLaws. A copy of the proposed ByLaws, as amended was distributed. A vote will be taken at the February meeting. Elise Kremer advised that two agencies have reported on their elections, as follows:

Administrative Services:	Dave Lynn, Representative Peggy Zabawar, Alternate
Insurance:	Allen Elstein, Representative Barbara Spear, Alternate

Old Business

Speakers and Logistics. The State Comptroller and staff will speak about the State Employee Retirement System at the February 18 meeting. Brian Garnett, Public Information Officer for the Department of Correction will speak about media relations at

the March 18 meeting. A date is being confirmed for Colonel William Shea, Army National Guard, to speak about leadership in stressful times. The suggestion was made to collate questions to provide in advance to the Comptroller.

Managers Day 2009 Committee. There were quite a few volunteers for the Managers Day 2009 planning committee. Additional volunteers are still welcome. The kick-off meeting will be scheduled shortly.

Web Site. Anne MacLeod, MAC Web Mistress, was not in attendance, so there was no report this month.

Communications Committee. Tom Crafa reported that a list of newly appointed managers is being generated. A mailing is planned for those on the list, to provide them a letter of welcome from Peter and a copy of MAC's brochure.

Orientation Committee. Dave Lynn reported that a New Managers Orientation Program is in progress at DAS; this is the first in a series of three programs planned for 2009. Dave presented a 15-minute segment on MAC as part of the program. Approximately 35 new managers were in attendance.

Managerial Sick Leave Bank (MSLB) Provisions. Dave advised that there has been no action on approval of the updated MSLB policy drafted by DAS. Dave noted that, while collective bargaining agreements vary but that they provide for either a sick leave bank or donation of sick time but not both benefits. In contrast, the Administration has extended both of these benefits to managers.

Other Old Business. Mark reported that he has donated the cell phones and accessories that were collected at Managers Day 2008 to Verizon for their HopeLine program. The program provides cell phones to victims of domestic abuse.

New Business

Voluntary Leave for Managers. On behalf of the Executive Board, Peter Bucknall sent a letter to Governor Rell, conveying the Board's support of her efforts to address the budget crisis. A copy of Peter's letter and the Governor's response were distributed. Mark asked that the membership support the Governor's request for Executive Branch managers to take a day of voluntary unpaid leave, and then opened the matter for discussion. Considerable discussion ensued. There was a concern expressed that managers had no opportunity to be part of the dialogue and to contribute to the solutions that were being considered. There also was not an opportunity to keep open any dialogue on managerial issues, questions, and concerns. There was concern voiced that the Executive Board sent the letter prior to this meeting and membership discussion/vote. While Mark indicated the Board felt that an immediate response would be most effective, there was disagreement about the need to act without the membership's input and concurrence. A motion was made that, moving forward, a task

force would be formed to establish the direction that MAC would take in the future. The motion was made, seconded, and passed with one dissenting vote. Elise was asked to send an e-mail to MAC members via the list serv, soliciting their input on issues to be taken up by the task force.

Other New Business. There was no other New Business.

Guest Presentation

Mark welcomed and introduced Sandy Prisloe, Geospatial Extension Specialist at the University of Connecticut's Center for Land Use Education and Research, Department of Extension, College of Agriculture and Natural Resources. Mr. Prisloe addressed the MAC membership and guests on the subject of geospatial technology and its use in state and municipal government, academia, and industry. He gave an introduction to what a Geographic Information System (GIS) is, what functions it serves, and how it is being applied in various sectors. Many organizations are integrating this technology into their day-to-day operations.

GIS works with digital maps, applied in layers, with each map representing a different type of data. It is estimated that 80% of the data that government works with has a spatial component. GIS is an extremely powerful tool for sharing information. As one example of an application of GIS, the Department of Emergency Management and Homeland Security has developed a Geographical Emergency Management System (GEMS), to integrate data pertaining to dams, hospitals, airports, police stations, etc. Some examples of how GEMS can be used are to plan emergency evacuation routes, to map the location of critical infrastructure, and to determine how best to get injured people to hospitals.

There is not yet one centralized database that can be shared by all agencies, but that is a goal for the future. The State of Connecticut Geospatial Council provides a mechanism to share information about what data are available in state government. An inventory was conducted which identified 14 critical data sets, including data sets at the Departments of Transportation and Environmental Protection. To remain as useful as possible, data sets require ongoing maintenance. A major obstacle is the lack of a mechanism to fund database development and maintenance.

More information is available at **http://www.ct.gov/gis**, which is the web site for the Geospatial Council. There is a quarterly electronic newsletter posted on the web site.

Mr. Prisloe's contact information is as follows:

Sandy Prisloe
Geospatial Extension Specialist
Department of Extension
College of Agriculture and Natural Resources
University of Connecticut
Middlesex County Extension Center
1066 Saybrook Road, PO Box 70
Haddam, CT 06438-0070

phone: (860)345-5229
fax: (860)345-3357
http://clear.uconn.edu/geospatial

Adjournment

Mr. Prisloe was thanked for his very informative presentation. The meeting was adjourned at 11:20 a.m. The list of those in attendance at the January 21, 2009 MAC meeting is attached and is hereby made a part of these minutes. Also attached and made a part of these minutes are the proposed amendments to the ByLaws and a copy of Mr. Prisloe's PowerPoint presentation.

The next meeting is scheduled for Wednesday, February 18, 2009 in the auditorium at the Department of Veterans' Affairs in Rocky Hill. The Honorable Nancy Wyman, State Comptroller, will be the guest speaker. Directions to the DVA will be provided in the meeting notice that will go out via the list serv.

Respectfully submitted,

Elise Kremer
MAC Secretary
MAC Representative for the
Department of Public Health

MAC ATTENDANCE ROSTER

January 21, 2009

Agency	Name	Rep/Alt/Guest
Administrative Services	Dave Lynn, Treasurer	R
Administrative Services	Joann Bellamo	G
Comptroller	Brenda Halpin	R
Comptroller	Sandra Hurrie	A
Comptroller	Donna Braga	G
Comptroller	John Harnick	G
Comptroller	Susan Maheux	G
Consumer Protection	John Gadea	R
Consumer Protection	Elisa Nahas	A
Emergency Management and Homeland Security	Scott DeVico	G
Environmental Protection	Bill Evans	G
Firearms Permit Examiners	Susan Mazzoccoli	G
Human Rights and Opportunities	Epifanio Carrasquillo	R
Insurance	Allen Elstein	R
Insurance	Barbara Spear	A
Labor	Mark Polzella, Vice Chair	R
Mental Health and Addiction Services	Bobbi Buckner	R
Mental Health and Addiction Services	Tom Zaprzalka	G
Motor Vehicles	Joe Lembo	R
Motor Vehicles	Nancy McCorkle	A
Pardons and Parole	Rasa Pakalnis	R
Public Health	Elise Kremer, Secretary	R
Public Works	Bob Cody	R
Revenue Services	Tom Crafa	R
Transportation	Wanda Seldon	R
Transportation	Kevin Lawton	G
Transportation	Deb Carta	G
Veterans' Affairs	Babatunde Green	R

GIS in Connecticut

Sandy Prisloe

University of Connecticut
Connecticut Geospatial Information Systems Council
Co-chair Education and Training Working Group

Geospatial Information Systems Council
State of Connecticut
www.ct.gov/gis

A Working Definition

A GIS is....

a computer-based information system to:

input,
manage,
update,
analyze,
display, and
output spatial data and information
to be used in a decision making context

Connecticut Geospatial Council

www.ct.gov/gis

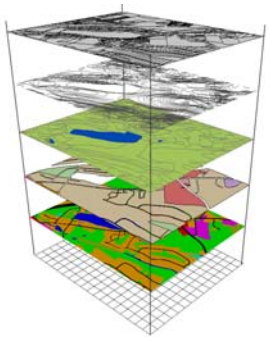
Why GIS?

- **Municipalities**
  coordinate information among departments that relates to the same location
- **Regional Planning Organizations**
  plan and coordinate services among towns
- **State Agencies**
  siting and permitting, assessment of program efficacy, resource allocation, emergency planning and response
- **Academia**
  conduct research with better tools to analyze data
- **Utilities**
  plan and deliver services more efficiently by eliminating tasks once performed by hand
- **Businesses**
  assess locations for new stores, offices, and products

Topics

- What is GIS
- Some basic GIS functions
- Examples of GIS applications
  - State Agencies
  - Education
  - Municipalities
  - Online
- Questions

Geography Brings Data Together



Multiple Data Layers

Geographically Referenced

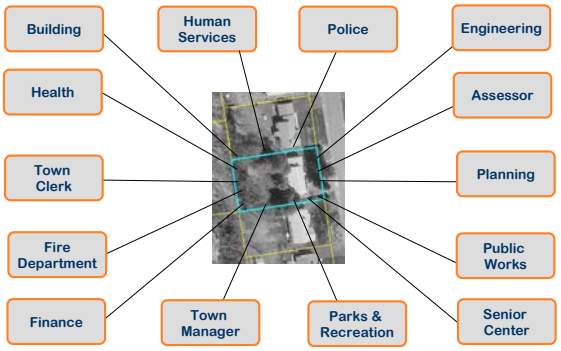
Common Coordinate System

Provides basis for:

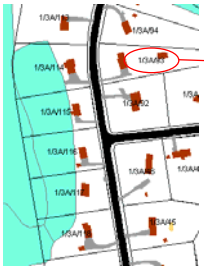
- Data Integration
- Systematic Analysis
- Customized Maps

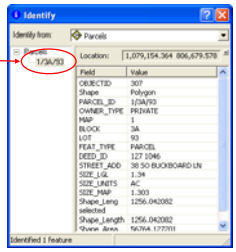
GIS Integrates Data & Applications

Information from many town offices is brought together



A GIS Manages Two Types of Data

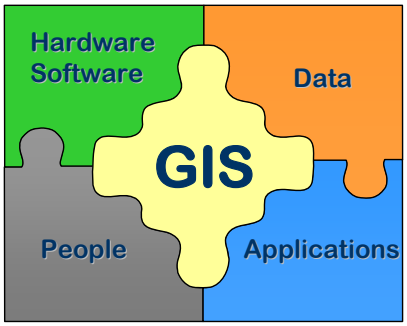




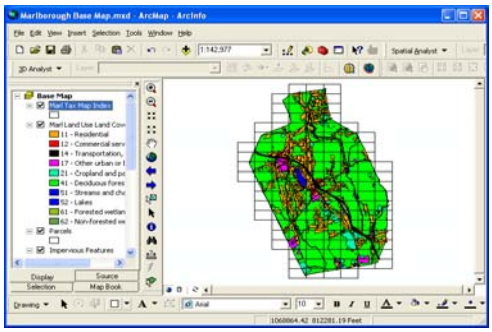
Spatial Data (where)
cartographic features
points, lines & polygons

Attribute Data (what)
information that defines and describes each feature

GIS - More than the Sum of its Parts



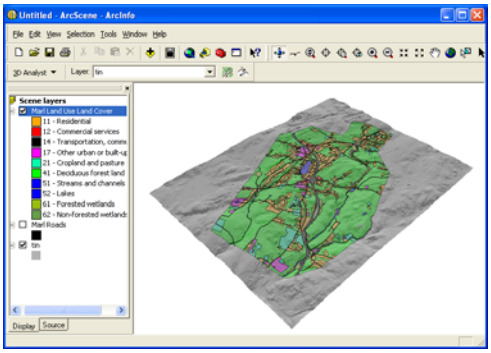
Visualizations - Layer Control



GIS Benefits

- Facilitates communication within and between departments and agencies
- Better urban and natural resource planning
- Elimination of redundant data
- Ability to analyze spatial patterns
- Information dissemination to clients
- Greatly expands research capabilities
- Improves emergency planning & response
- Reduced costs through data sharing
- Improved services provided to citizens

Different Ways to View Data

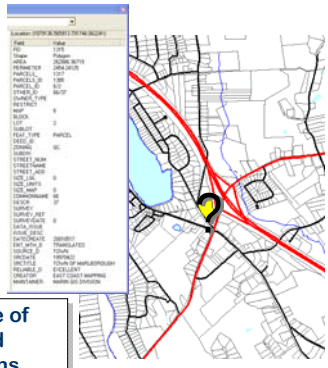


Answers to Simple Questions

Visualize spatial relationships

Answer questions about what "it" is

Answer questions about where things are



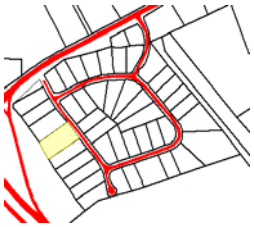
Ad hoc queries are one of the most important and basic of all GIS functions

GIS Applications – a Short List

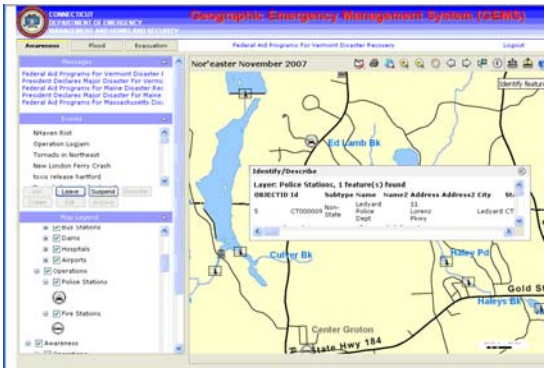
- Track Disease Incidence
- Emergency response
- Asset management
- School redistricting
- Law enforcement
- Open space planning
- Demographics and predictive modeling
- Access to health services
- Locate Fuel Stations and Track prices
- Homeland security
- Transportation planning
- Site suitability / selection
- Build-out analysis
- Detect Food Stamp Fraud
- Plans of C & D
- Map design & production
- Watershed protection
- Permit review
- E-911
- Farmland protection
- Aquifer protection
- Archaeological research
- Economic development

Queries - Class of Features

- Select all parcels in a subdivision
- That were sold in the past 3 years
- For more than $200,000



State Agency -DEMHS



Perform Spatial Analyses

Find all

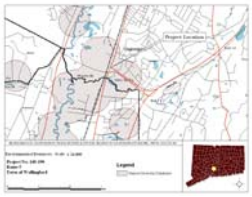
Buildings

Within 250' of streams

State Agency -ConnDOT

Environmental Reviews at CONNDOT

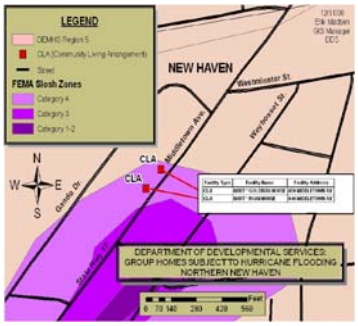
Middletown Area Bridge Crossing Study



Natural Diversity Reviews for Route 5 in Wallingford

State Agency – DDS

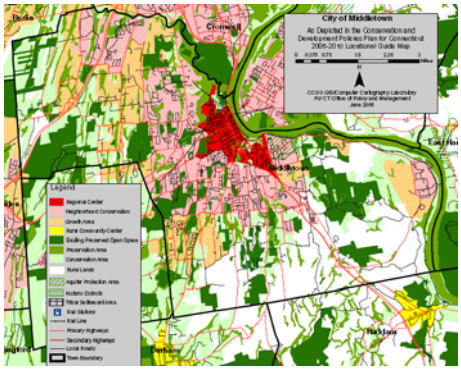
Siting of Group Homes Relative to Hurricane Risks



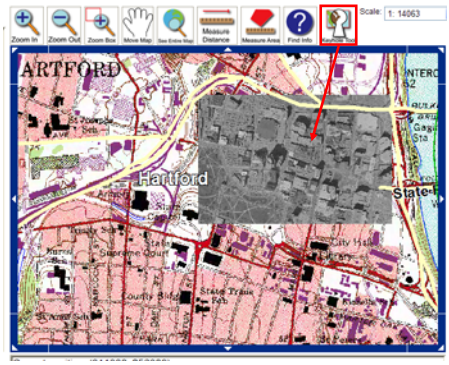
- Geocoded over 800 facilities
- Analyzed in GIS to find those in hurricane impact zones
- Developing emergency response plans

MAGIC - UConn

State Agency – OPM



MAGIC

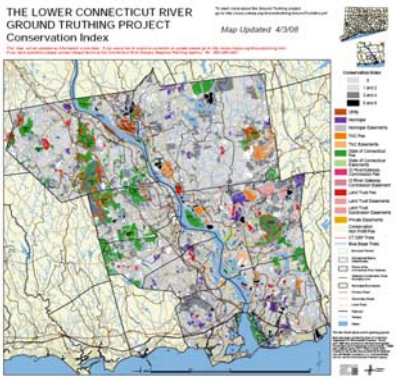


Connecticut State Library

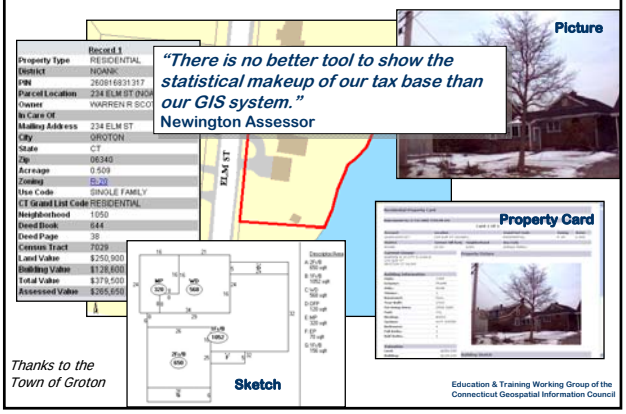
RPO Applications

"A greenway takes shape where there is open space and available land. With GIS, we can visualize the regional land patterns across town lines to form those greenways"

GIS Coordinator, CRERPA



Municipal Applications

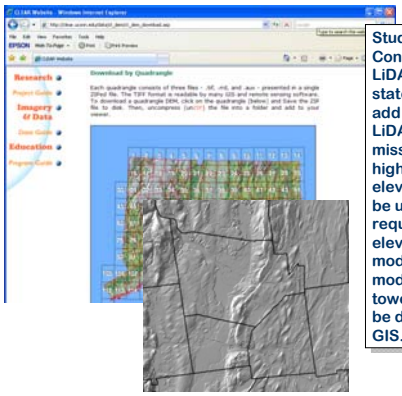


"There is no better tool to show the statistical makeup of our tax base than our GIS system."
Newington Assessor

Thanks to the Town of Groton

Education & Training Working Group of the Connecticut Geospatial Information Council

GIS in Academia – Data Development



Students at the University of Connecticut worked with LiDAR data acquired by the state to remove errors and add data to areas where LiDAR elevation points were missing. The result was a high precision statewide elevation dataset that can be used for applications that require land surface elevation data – watershed modeling, flood inundation modeling, siting of cell towers, etc. These data can be downloaded for use in GIS.

Education & Training Working Group of the Connecticut Geospatial Information Council

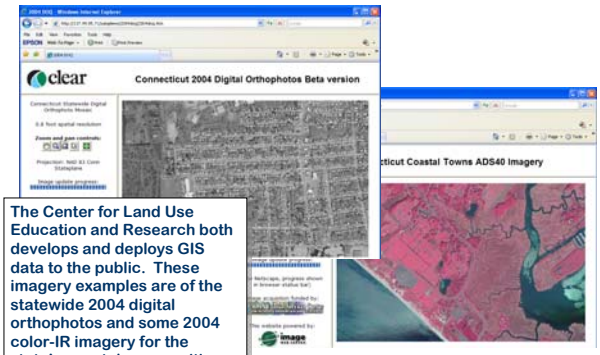
GIS in Education -Teaching K-12

"GPS & GIS technology excite kids because they help them to better visualize connections in nature."

Laurie Doss, Teacher, Marvelwood School

Education & Training Working Group of the Connecticut Geospatial Information Council

GIS in Academia – Data Deployment



The Center for Land Use Education and Research both develops and deploys GIS data to the public. These imagery examples are of the statewide 2004 digital orthophotos and some 2004 color-IR imagery for the state's coastal communities.

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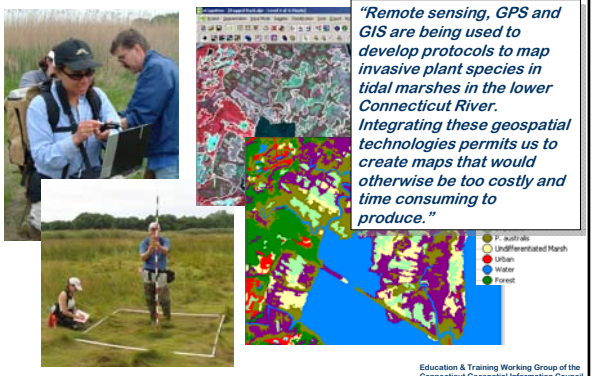
GIS in Education – Research

from field research to map products



"Remote sensing, GPS and GIS are being used to develop protocols to map invasive plant species in tidal marshes in the lower Connecticut River. Integrating these geospatial technologies permits us to create maps that would otherwise be too costly and time consuming to produce."

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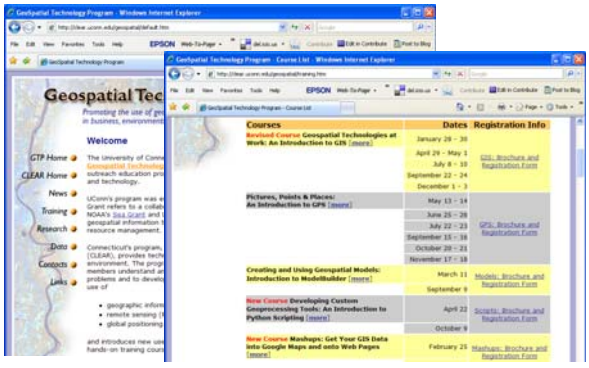
GIS in Academia – Training



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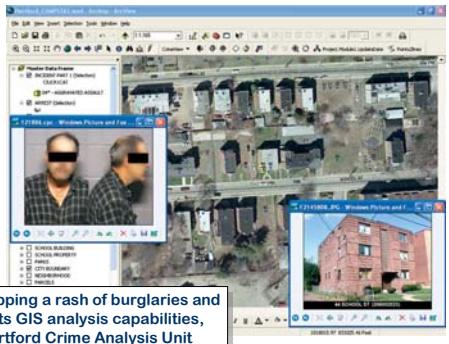
Public Safety

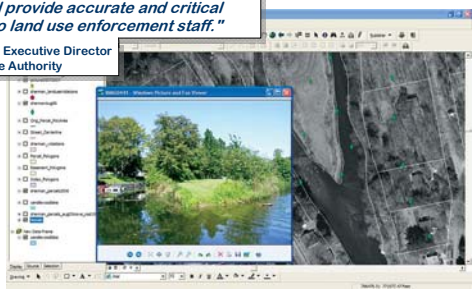


By mapping a rash of burglaries and using its GIS analysis capabilities, the Hartford Crime Analysis Unit was able to see a trend that helped apprehend a suspect.

Local Environmental Management

"Since its development two years ago, the GIS system has helped the Candlewood Lake Authority pin-point dozens of land use activities and provide accurate and critical information to land use enforcement staff."

Larry Marsicano, Executive Director
Candlewood Lake Authority



Public Utility Applications

At the Metropolitan District Commission (MDC), GIS is used to support utility field operations to locate equipment and gather information from the field. That information is then kept in the GIS and associated with the equipment's location.

"Using the GIS saves us time, and money and greatly improves the working knowledge of our infrastructure,"

GIS Coordinator, Metropolitan District Commission

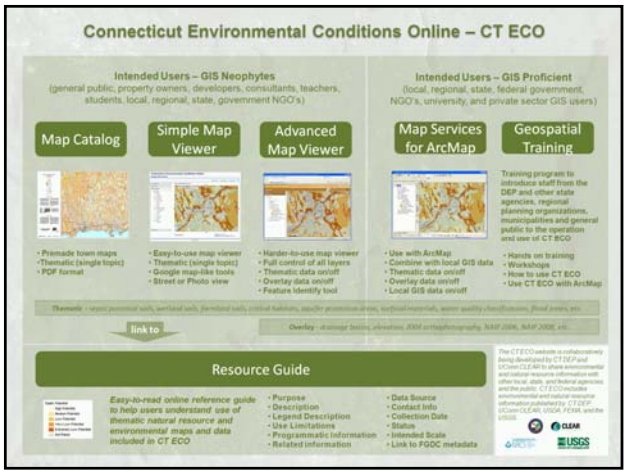
GIS Applications – Going Online

- Coastal Access Guide
  - Helps residents find public coastal parks and launching sites. http://www.lisrc.uconn.edu/coastalaccess/
- Department Of Agriculture Farm Guide
  - provides residents with a map of Agricultural resources in the state. http://www.ctfarms.uconn.edu/
- Connecticut Resource Inventory (CRI)
  - educates town officials and citizens about Natural Resources in their local area.
    http://clear.uconn.edu/projects/cri/interactive.htm

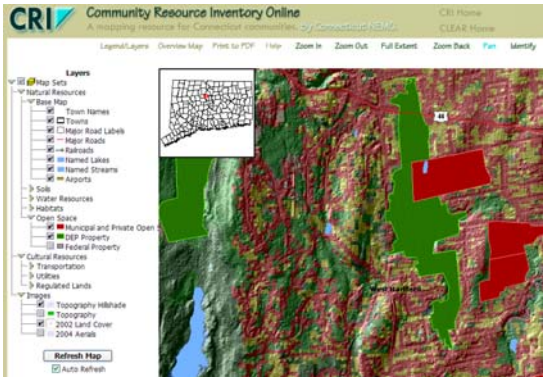
Business Applications

DATTCO, headquartered in New Britain, CT, uses routing software embedded with GIS capabilities to plan efficient bus routes for its customers.

GIS Applications – Going Online



Community Resource Inventory



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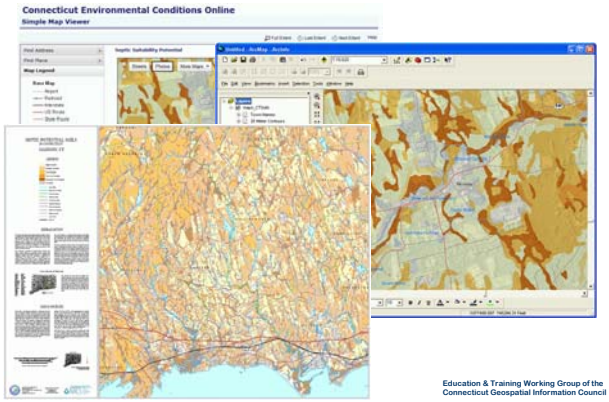
CT Environmental Conditions Online



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Municipal Online GIS – Old Lyme

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Connecticut Farm Map

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Municipal Online GIS – Middletown

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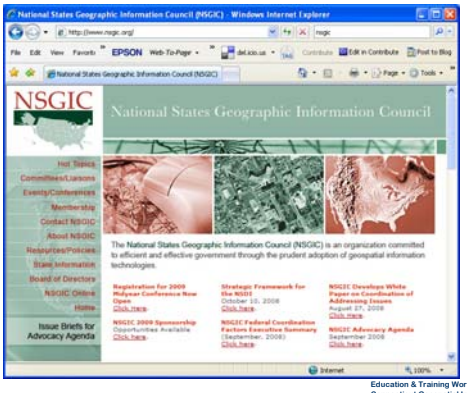
National GIS Organizations



Education & Training Working Group of the Connecticut Geospatial Information Council

GIS in Connecticut

Thank You

Questions?

Geospatial Information Systems Council
State of Connecticut

Connecticut Geospatial Council

www.ct.gov/gis

Education & Training Working Group of the Connecticut Geospatial Information Council

CT Geospatial Council Newsletter

Education & Training Working Group of the Connecticut Geospatial Information Council