

Fall 2009 NH Arc Users Group Meeting

Date & Time: December 1, 1:00 pm – 4:30 pm

Location: Dimond Library, Room 343, University of New Hampshire, Durham, NH

Directions: <http://extension.unh.edu/GISGPS/VistorLotToMUB.htm>

Registration: Send an email to Shane (sbradt@ceunh.unh.edu) to ensure free parking. Otherwise, you will have to purchase a parking pass at the Visitor Center.

AGENDA:

1:00-1:10 *Shane Bradt, UNH Cooperative Extension*
Welcome and Introduction

1:10-2:25 *Rob Pruyne, Rockingham Planning Commission*
Steve Schaffer, Nashua Regional Planning Commission
John Vogl, Town of Londonderry, NH
CommunityViz use in NH: Case studies, successes and lessons learned

CommunityViz is an extension to ArcGIS designed to help communities and regional planners quantify, visualize, and better understand the trade-offs of alternate land use futures at the community, watershed, or site scale. Although not routinely used in NH, CViz has been employed by a limited number of regional planning agencies and communities. Each of the presenters in this session will highlight several examples of CViz in their own work, and will host an open discussion of the potential uses of CViz in our state.

Rockingham Planning Commission:

- Leveraged CommunityViz to do a conventional parcel based buildout analysis. The approach used was not the standard technique using the built-in Buildout wizard. They discovered a big shortcoming of the buildout wizard and will detail their workaround for that problem.
- Developed a site planning tool to compare the aspects of different types of site plans. This tool leveraged CommunityViz to analyze different possible configurations of a site and compared things such as water use, impervious surface, conserved land, etc. This tool was intended to help planning boards in their decisions

Nashua Regional Planning Commission:

- Presented a development game at a NHPA conference workshop. The interactive game used CViz to calculate the costs of different development strategies on a Route 101A corridor.
- Used CViz for an interactive session to calculate the potential tax revenue of a Business Investment District in downtown Nashua using land use codes and assessed values from parcel data.

Londonderry:

- Used CViz to assemble an Economic Development Model. This tool was used to model conceptual ideas and illustrate potential development impacts before the public at large.
- The model applied live formulas to editable datasets to display changes on the fly and was used in several workshop settings to showcase and validate department assumptions regarding job creation estimates in an industrial zone. All work was done in CViz, out-of-the-box.
- The model was followed up by 3-D Analyst tools to create flyby visuals of the group concepts.

2:30-2:50

Thelma Thompson, UNH Diamond Library
UNH Library Map and Other Geospatial Resources

Most of our working collection consists of materials received through the Federal Depository Library Program (for instance, topographic and geologic maps, nautical charts and CIA maps). In our digitization projects we have chosen to focus on older maps and air photos of New Hampshire, some of which may be of interest to GIS users. Many of these digital maps are currently available on our web site; others are still in process.

2:50-3:25

Thelma Thompson, UNH Diamond Library
Visit the UNH Museum

The current exhibit consists of Mapping the Republic: Conflicting Concepts of Territory and Character in the U.S.A., 1790-1900, a traveling exhibit from the Osher Map Library at the University of Southern Maine, and surveying instruments and additional maps from University of New Hampshire collections. Maps and atlases reflect the gradual shift from the importance of individual states to a view of the country as a whole. Surveying equipment and survey maps provide more local context.

3:30-4:30

Mark Scott, ESRI
Sharing Geographic Information: ESRI Tools And Technologies

ArcGIS users have many avenues via which they can share geographic information. In this session we will discuss ArcGIS Online, ArcGIS Explorer, Layer Packages, Web Maps, ArcGIS Server Map Services, and several other ESRI technologies designed to help you share your data more effectively. Also discussed will be what is coming in the future (ArcGIS 9.4) to further facilitate sharing.