

Cooperative Extension across the USA

- > Exists in every state in the United States
- > Outreach component of "Land Grant" Schools tasked with bringing university to the people
- > Traditionally based on agriculture, but topics have expanded based on emerging needs
- > Relies on need assessments and evaluations
- > No exclusive support of one company allowed



"Provide useful, practical, and research-based information to agricultural producers, small business owners, youth, consumers, and others in rural areas and communities of all sizes."

UNH Cooperative Extension: GIS & GPS

- > University of New Hampshire (Durham, NH)
- > Natural Resources program team
- > Started 1998 using ArcView 3.x (now 10.1)
- > Laptop teaching cluster starting in 2000
- > Original focus on natural resource professionals, teachers, planning boards

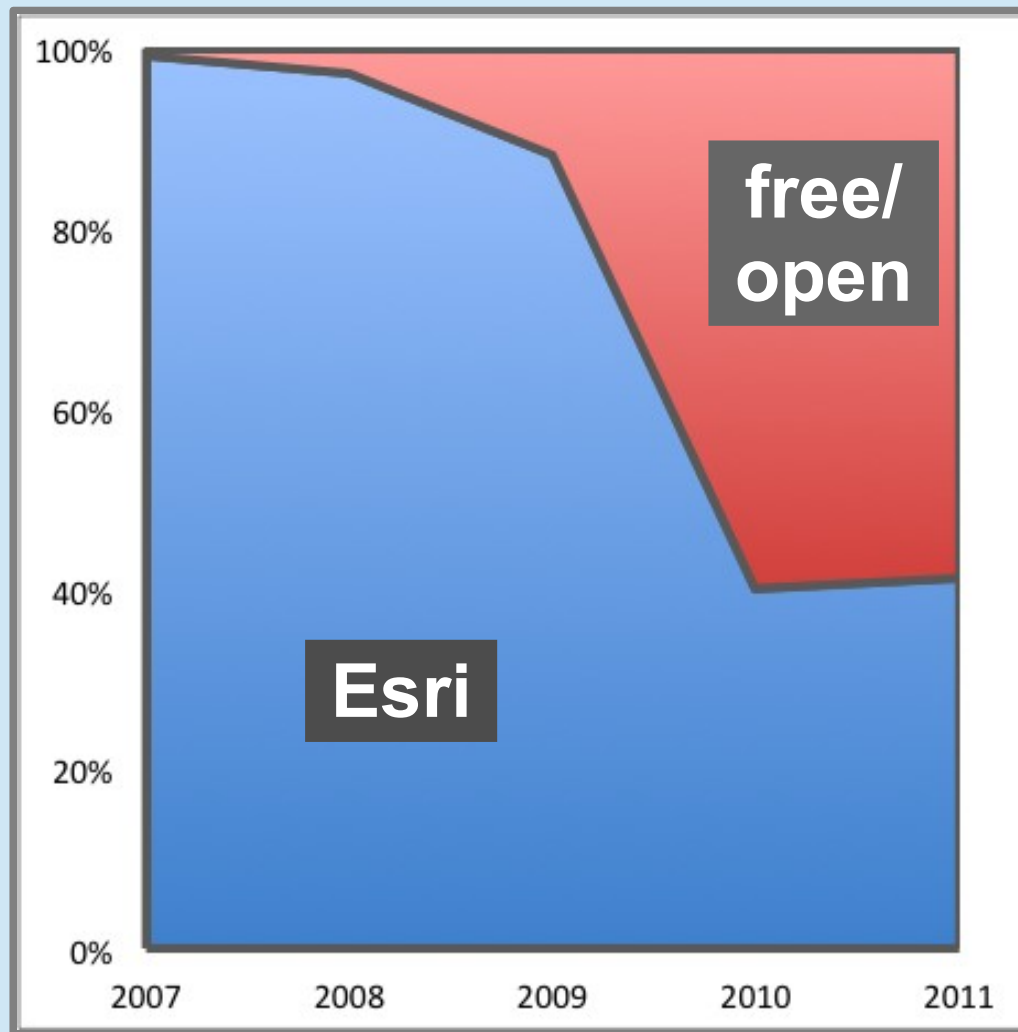


Shift to emphasis on free / open source

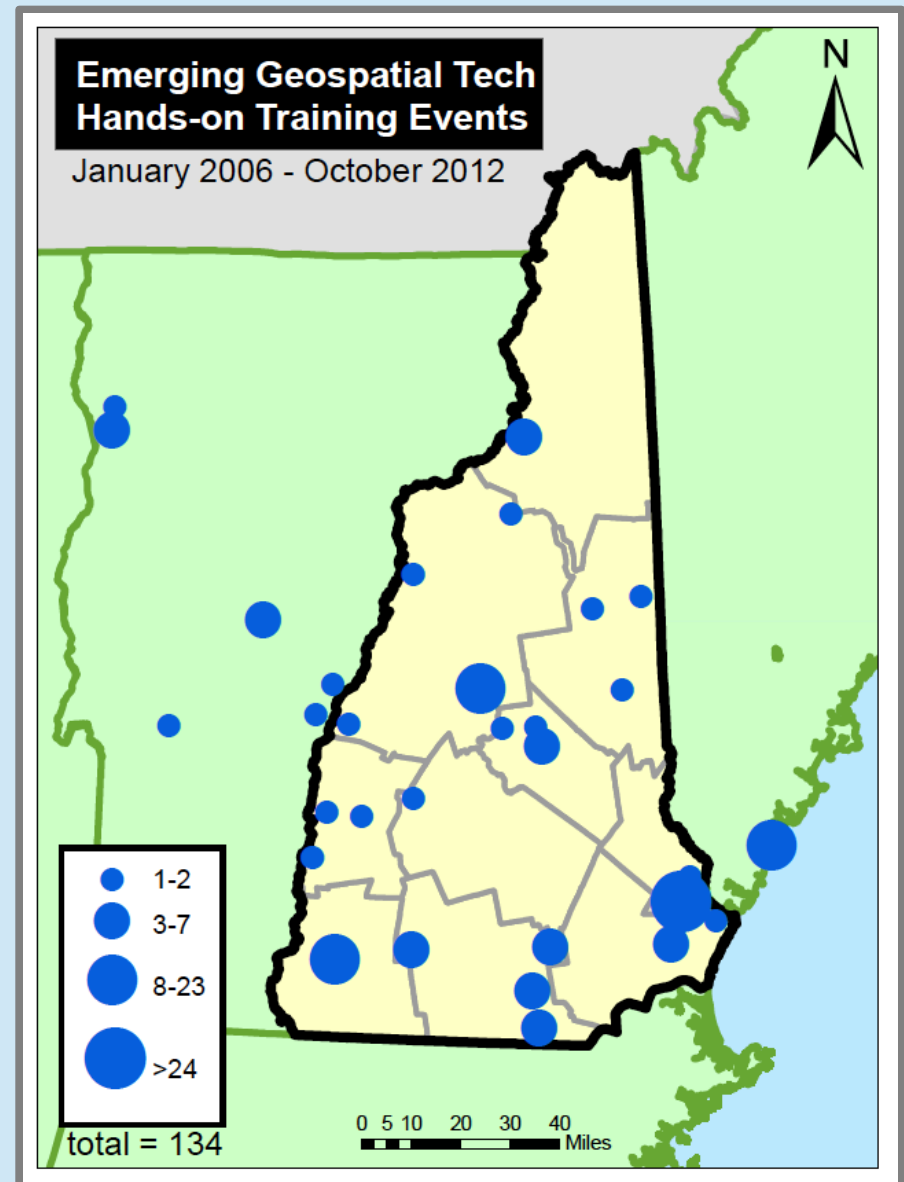
- > GIS is too expensive! (boring & limiting idea)
- > Some schools are Mac only
- > Towns, businesses concerned about licensing
- > Needed a way to get people started with GIS



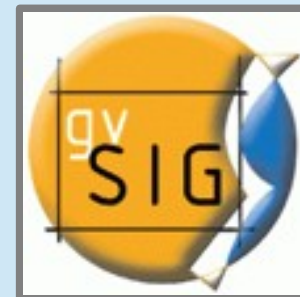
Shift to emphasis on free / open source



number of workshops and attendees



New workshops with open source GIS



GIS on Pennies a Day - December 2007 to January 2010

1 day: GIS basics, tour of free GIS options, hands on with online mapping, Google Earth

14 workshops | 127 participants

GIS 101: Learning to map in the digital age - March 2010 to present

3 hrs: GIS basics, tour of online mapping, free GIS options, Google Earth

15 workshops | 153 participants

GIS on Pennies a Day: Test Drive - January 2010 to present

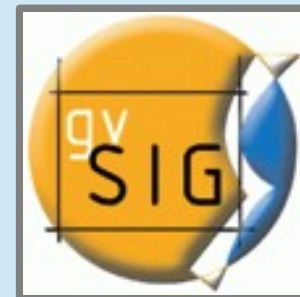
3 hrs: GIS key concepts, hands-on with free GIS

17 workshops | 168 participants

46 workshops | 448 participants



Who is taking these workshops?



GiS on Pennies a Day: Test Drive - participants from 7 workshops

Education

Antioch University New England
Hinsdale Middle School (NH)
Kearsarge Regional Middle School (NH)
Leland & Gray Union High School (VT)
Lisbon Regional School (VT)
Plymouth State University
Shoals Marine Laboratory
The Putney School (VT)
University of New Hampshire

Environmental

NH Department of Environmental Services
Society for the Protection of NH Forests
Squam Lakes Association
UNH Coastal Response Research Center

Private

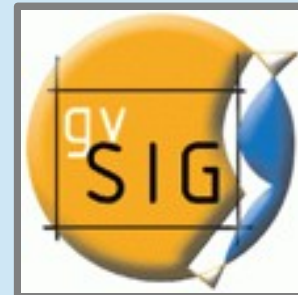
Autodesk
Brickstone Land Use Consultants, LLC
Carr Research Lab, Inc
Geologix, Inc.
Geosphere Environmental Management
Independent Archaeological Consulting, LLC
Ibis Wildlife Consulting
New England Forestry Consultants
Paul King Surveying
Seventh Generation Forestry
Tobias Dayman Landscape Architect, LLC
Vander-Heyden Land Surveying

Municipal

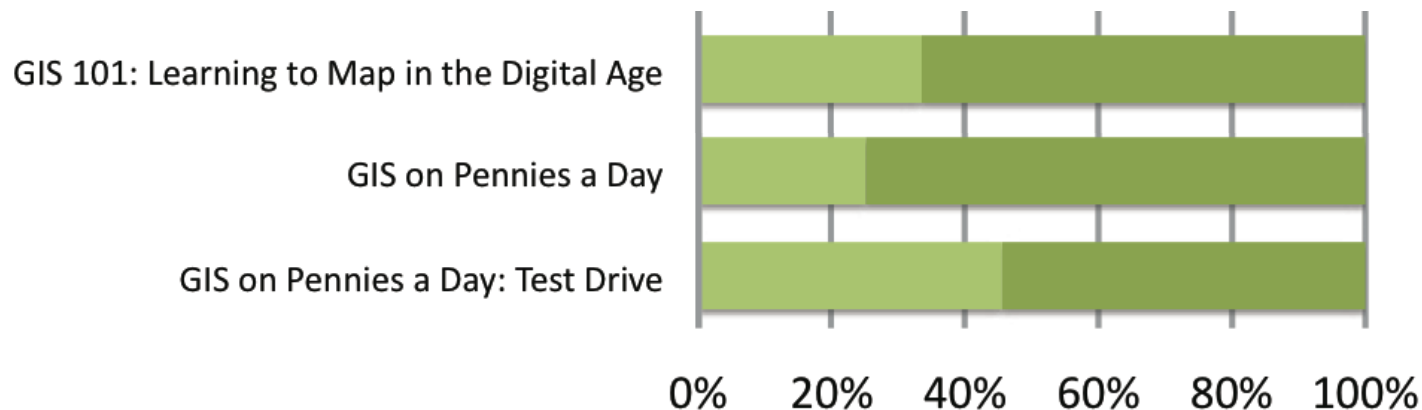
Grantham Conservaton Commission (NH)
Hanover Water Department (NH)
Holderness Conservation Commission (NH)
Pelham Forestry Committee (NH)
Salisbury Conservation Commission (VT)
Sharon Planning Board (MA)
Town of Jamestown (MA)
Town of Hooksett (NH)
Unity Historical Society (NH)



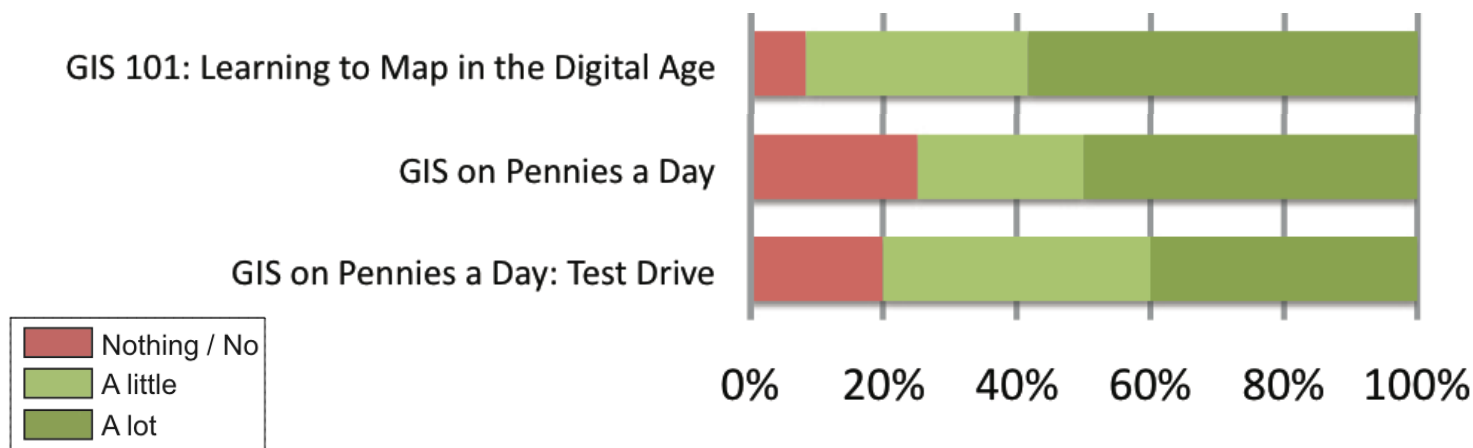
Do the workshops have any effect?




Did you learn something?



Did you use what you learned?



Other venues for open source GIS



UNIVERSITY of NEW HAMPSHIRE
Cooperative Extension

to use ArcGIS, updated February 2011

GIS on Pennies a Day: Test Drive - gvSIG
[download]
This manual includes step-by-step exercises to use gvSIG.
updated February 2011

GIS on Pennies a Day: Test Drive - MapWin
[download]

gisworkshops.org

GIS and GPS training materials for free download to help people learn on their own schedule



NHedGIS

Free Mac OS X Desktop GIS
[gvSIG](http://gvSIG.org) - latest version 1.12

www.nhedgis.org

Promotion of GIS in education as Mac OS X desktop option for Esri K-12 license in New Hampshire




eXtension
more mind reach




Map@Syst
geospatial technology | eXtension.org

bit.ly/Map-A-Syst

Collaborative team providing research-based content and individual assistance on geospatial technologies



LAKE BASIN ACTION NETWORK



A group of people sitting around a table with laptops, engaged in a training session.

lakebasin.org

International hands-on in-person training for lake watershed and managers using geospatial technologies



Thank you!

Any questions?

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twitter: <http://www.twitter.com/gisworkshops>
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