Portfolio of Current and Recent Projects, Sandra Lach Arlinghaus

CONNECTIONS:

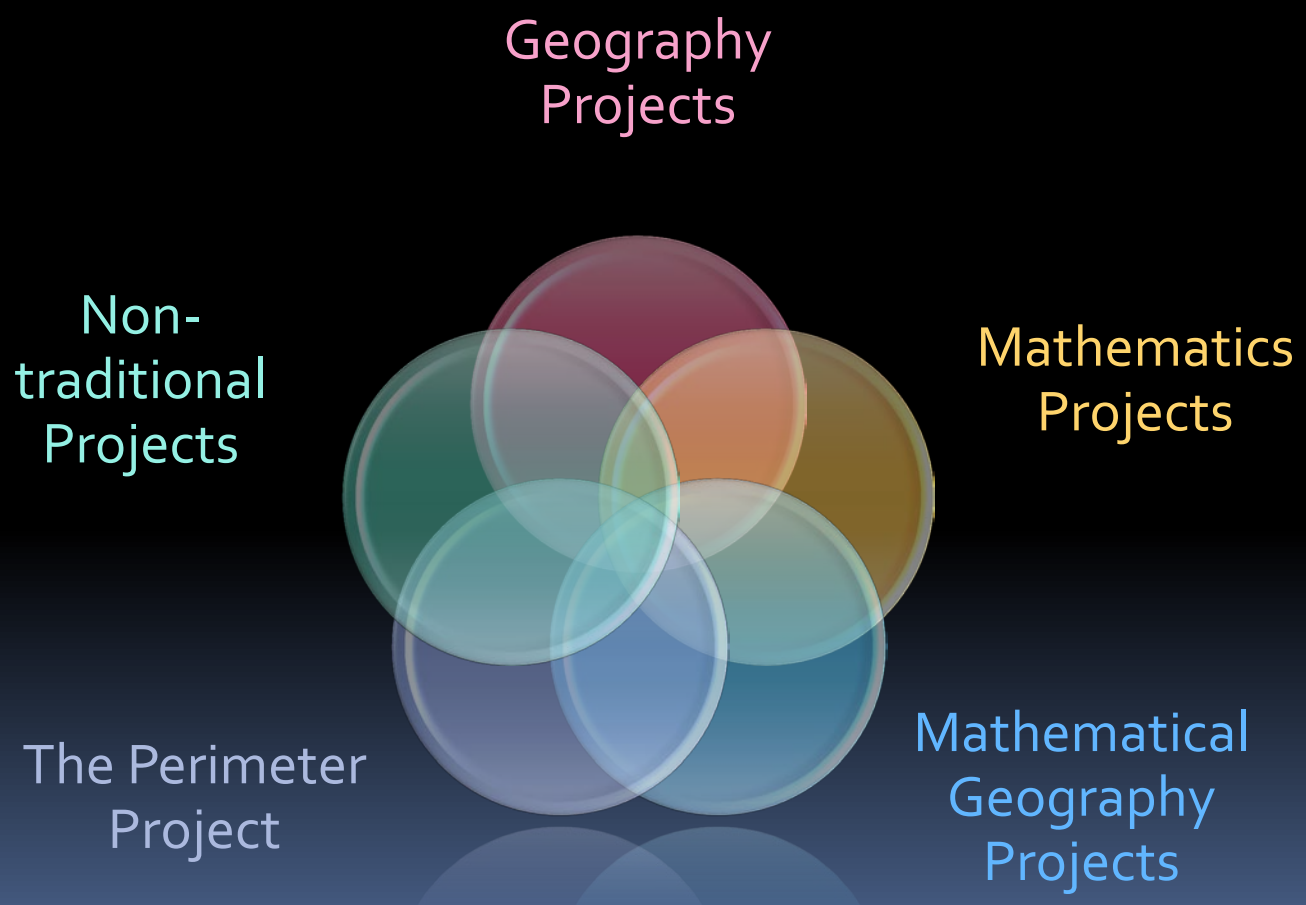
SCHOLARLY MULTI-TASKING IN A MOBILE VIRTUAL WORLD

General Vision

"Reflection-in-Action" (Schon, Drake, Miller, 1984) carries many varied and subtle meanings. What one does in scholarly and other effort reflects on all aspects of professional life and on the institutions one represents. Traditional and non-traditional, funded and non-funded, research projects form the context for this portfolio of projects.

Despite evident differences, all offer various styles of important *connections!*

Where does CSF fit?



Geography projects

Geographical Analysis

- Co-Editor, Special Issue on Graph Theory and Network Science
- Member, Editorial Board
- Reviewer

Non-Euclidean Fractals

With Mike Batty

- Article in Solstice, 2006
- Follow up article in Solstice, 2010

With Dan Griffith

- Presentation in Poznan, Poland, July 2010
- Publication of that presentation in Proceedings, Forthcoming
- Publication of that presentation in major Journal, Forthcoming

Geography Projects, Continued

CRC Series: Cartography, GIS, and Spatial Science (August, 2010)

CRC Revision of existing Manual

Possible CSF Connection

Making and Using Thematic Maps

Map Projections Handbook

Cartography and GIS: Applications in Mathematics and Mathematics Education

Geography Projects, Continued

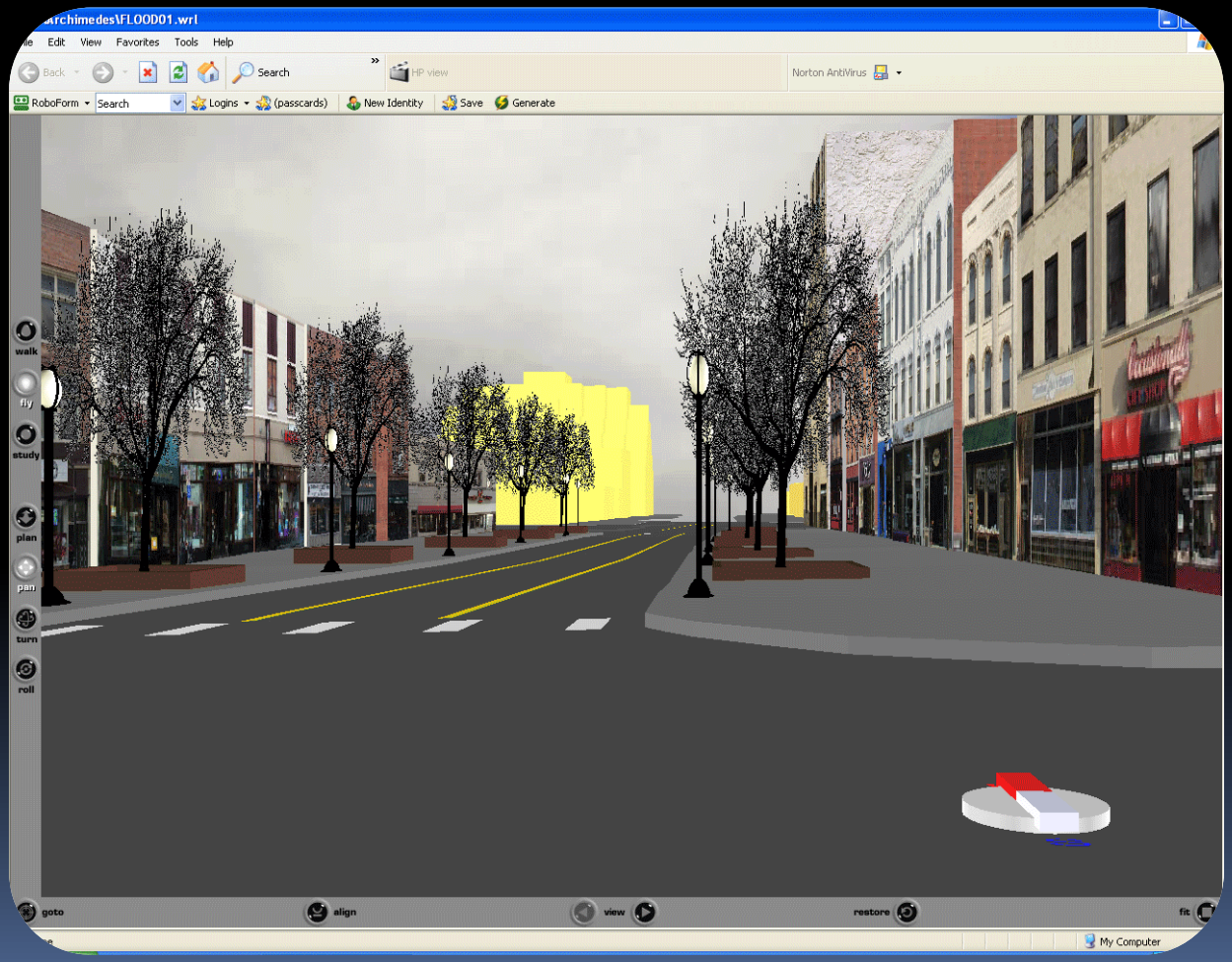
Diverse projects, summary on poster

Banda Aceh, CSF inspired

Honey bees, Diana Sammataro

3D Atlases of Ann Arbor, Matt Naud, Lars Schumann, et al.

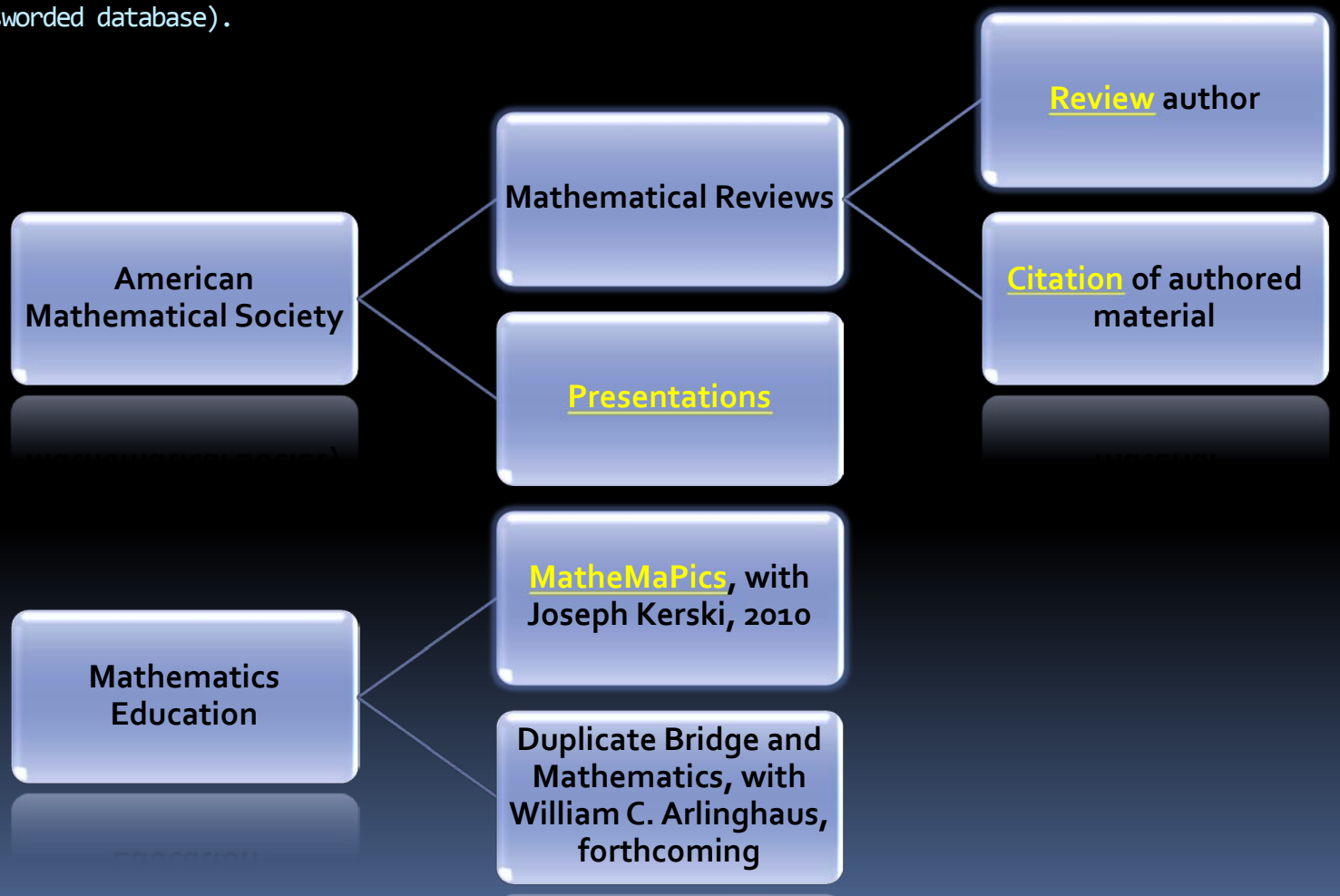
Virtual reality: Ann Arbor



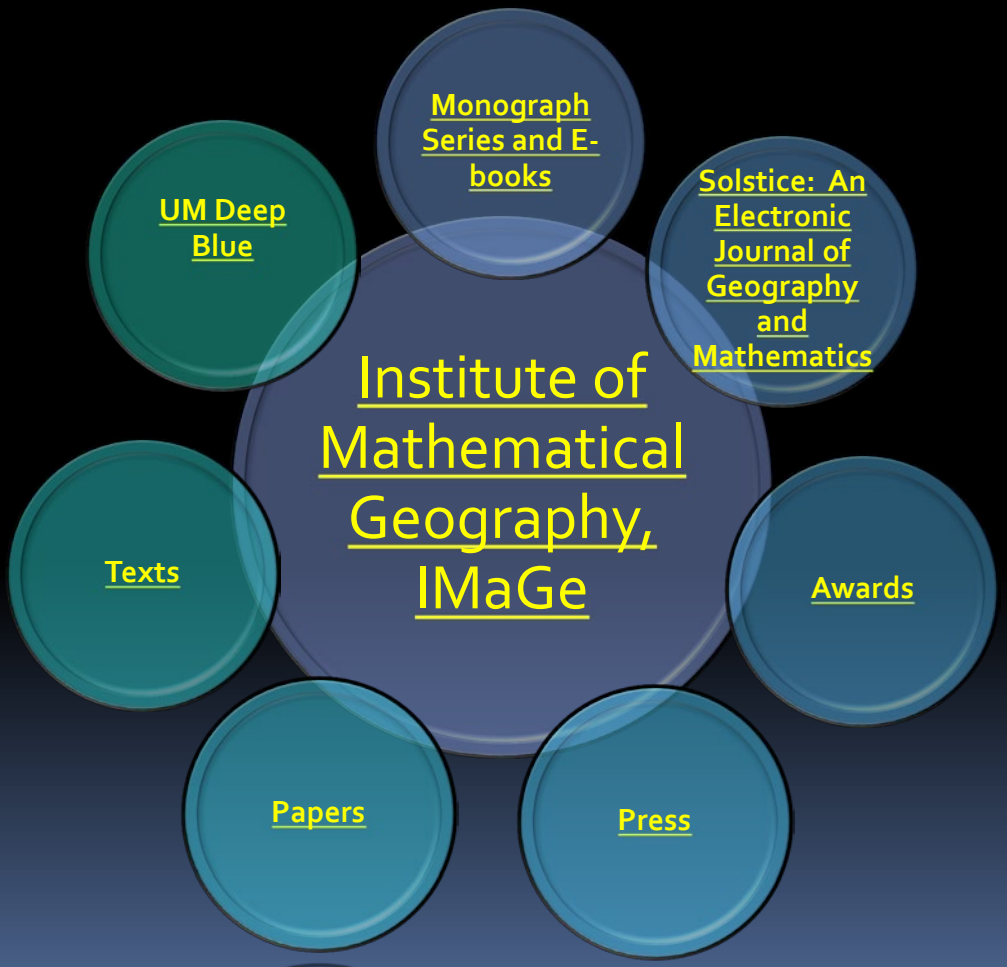
Mathematics Projects

Searches conducted online using "arlinghaus" as search term

Some links require a University of Michigan account to enter MathSciNet (or some other way to enter that passworded database).



Mathematical Geography Projects: IMaGe, 25 Years!



The Perimeter Project: Phase 1.

Protect Fragile Lands using Cemetery Restrictions/Zoning

Pilot project: Chapel Hill Memorial Gardens, Grand Rapids. COMPLETE

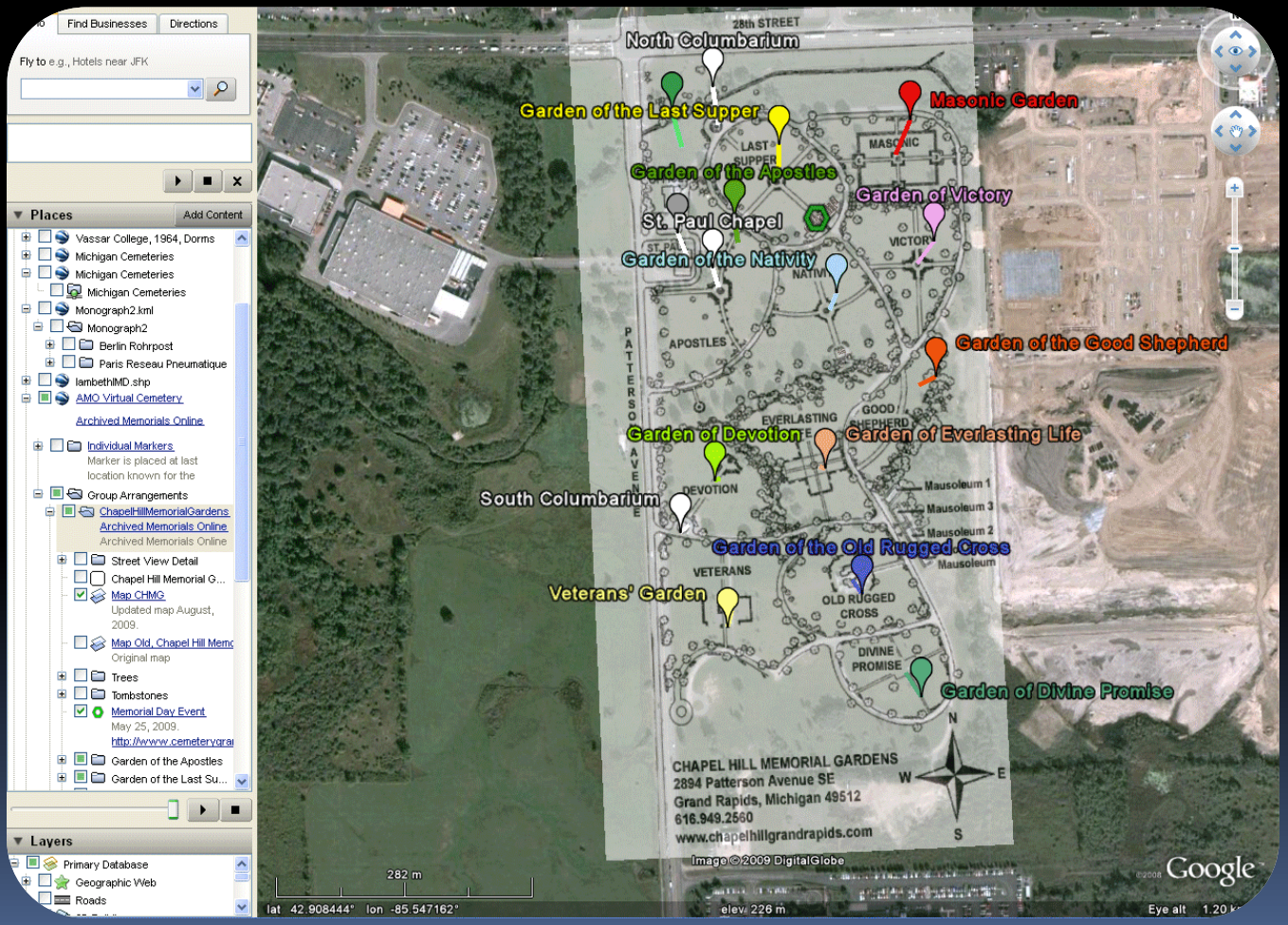
- Bundling of Archived Memorials Online with sale of cemetery plots, cremation service, etc.
- Creation of Virtual Cemetery

Land acquisitions.

IN PROGRESS

- Expansion of pilot project to other cemeteries
- Extension of idea to include golf course perimeter lands—viewing the golf course as a nation of 18 contiguous states.

View of the Virtual Cemetery



The Perimeter Project: Phase 2.

Protection of land/water interface.

Great Lakes, or regional level.

National level.

International level; possible CSF involvement. Possible UM CVC involvement (Pacemaker recycling—Dr. Kim Eagle, Dr. Timir Baman).

Non-traditional Projects:
American Contract Bridge League (ACBL)

ACBL: non-profit organization of 160,000+ members, headquartered near Memphis.

- 2010: Chair, ACBL Technology Committee.
- 2008: Co-chair, North American Bridge Championships, Renaissance Center, Detroit.
- Aileen Osofsky Memorial website—link.

2011: Co-chair, United States Bridge Federation Women's and Seniors' Trials, Renaissance Center, Detroit.

- Visited 2010 Team Trials in Chicago, leading to trip with Jan to University of Chicago.
- Visited ACBL Building dedication ceremony following Team Trials

Non-traditional Projects:
Reunions

Webmaster for graduating classes

- Vassar College
- University of Chicago Laboratory Schools
  - 2010: Jan Friedman Martel—attended luncheon where she gave awards and medals to the University of Chicago
  - 2010: Ed Loosli-- Chairman, The Wildlife Foundation-Kenya; President, The Wildlife Trust, USA

Non-traditional Projects: Music

Connections among music, mathematics, and geography

- Article, 2004, in Solstice with Braxton Blake
- Music in Spatial Synthesis
- Music applied to some of Michael Batty's data.
- Ongoing collaboration with Blake and others.

Non-traditional Projects:
Animated Cards

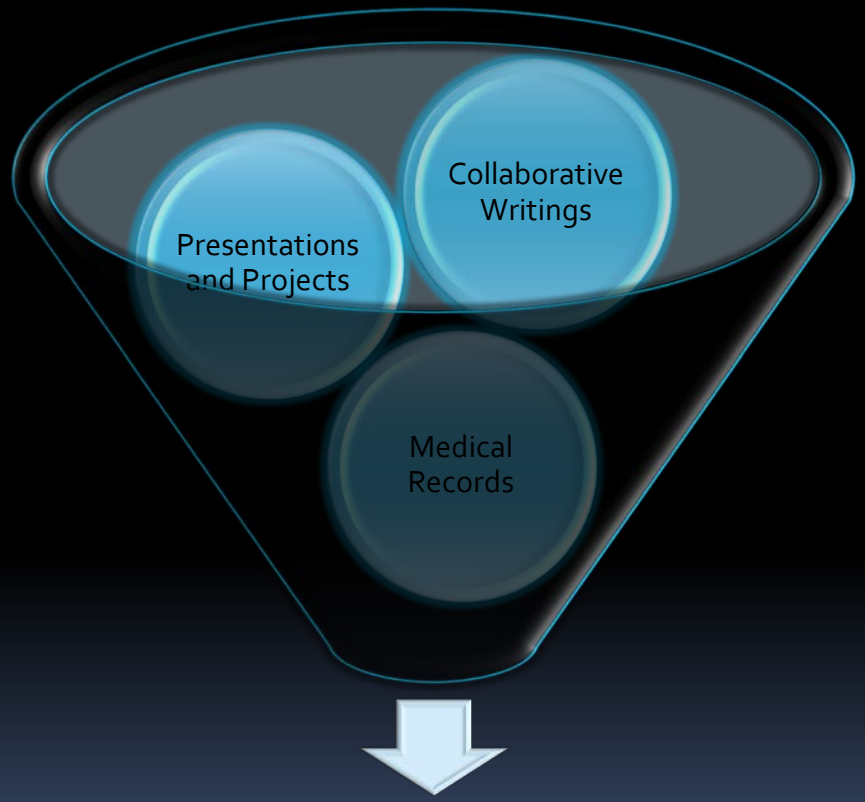
Ecards: one used to promote Vienna Philharmonic—sample.

- Recent trip to New Orleans to North American Bridge Championships
- Suggested making teddy bear jazz band on Natchez paddlewheeler on the Mississippi River to promote New Orleans' recovering economy.
- Connection with the Provost of Tulane University yielded a set of names of local charities to consider for promotion

Card maker is considering the New Orleans suggestion.

If card maker follows through, then will suggest they go global with it, to identify and reward communities making substantial local recovery from disaster. Possible CSF involvement.

Non-traditional Projects:
Cloud Computing



Cloud

Dropbox

Non-traditional Projects:
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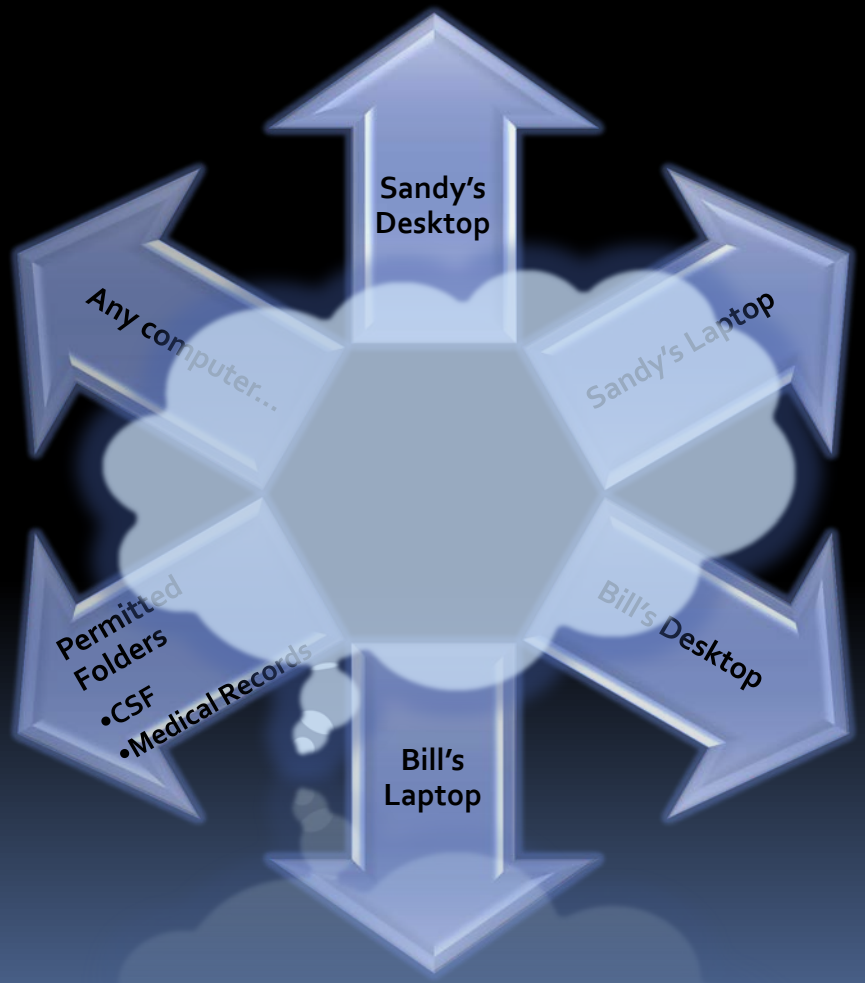
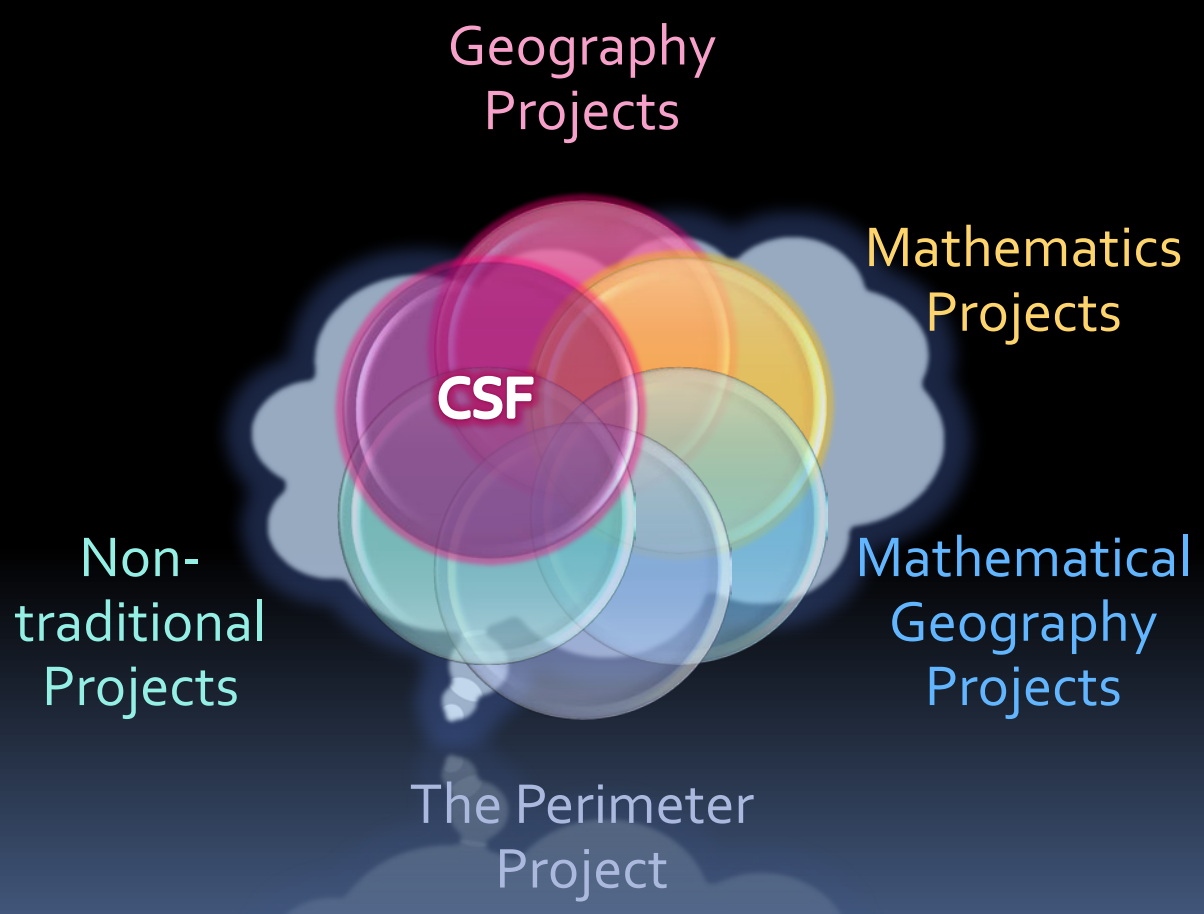
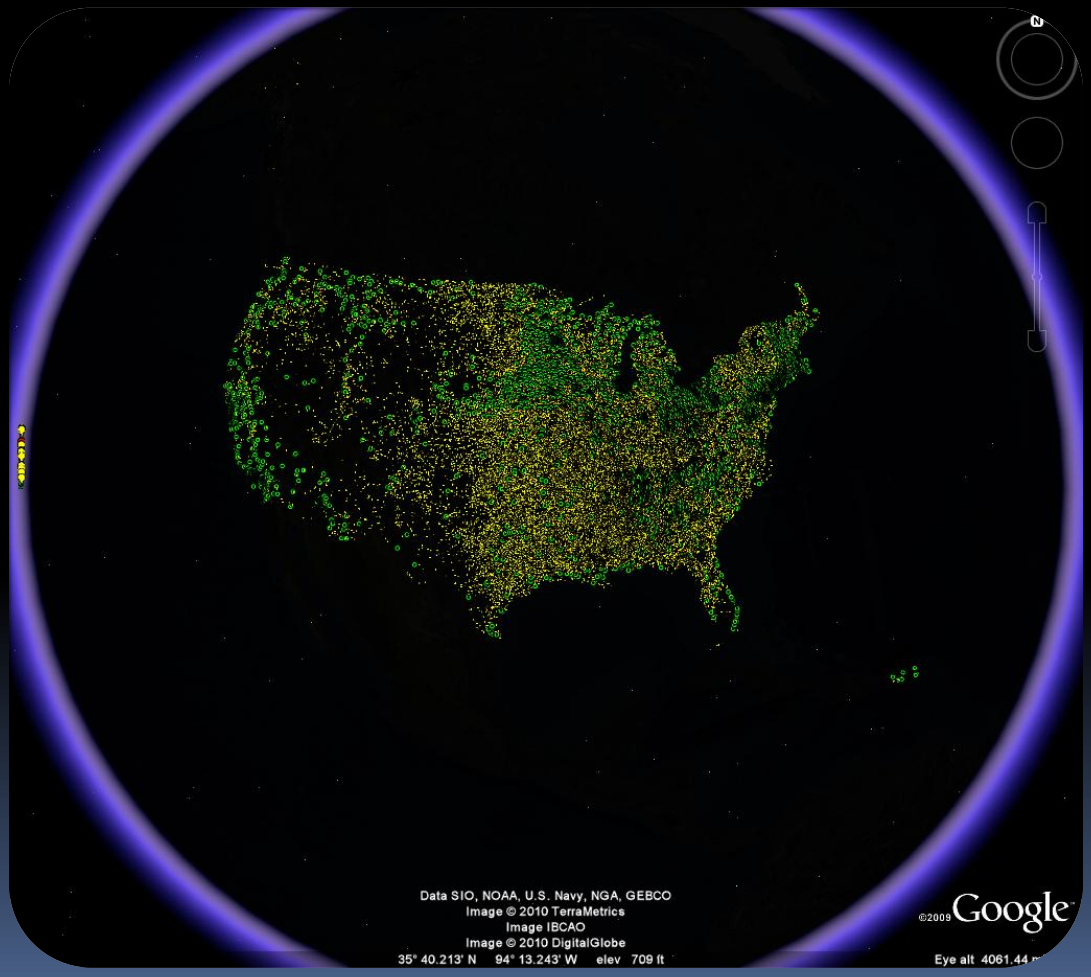


CSF may fit with parts of each set!

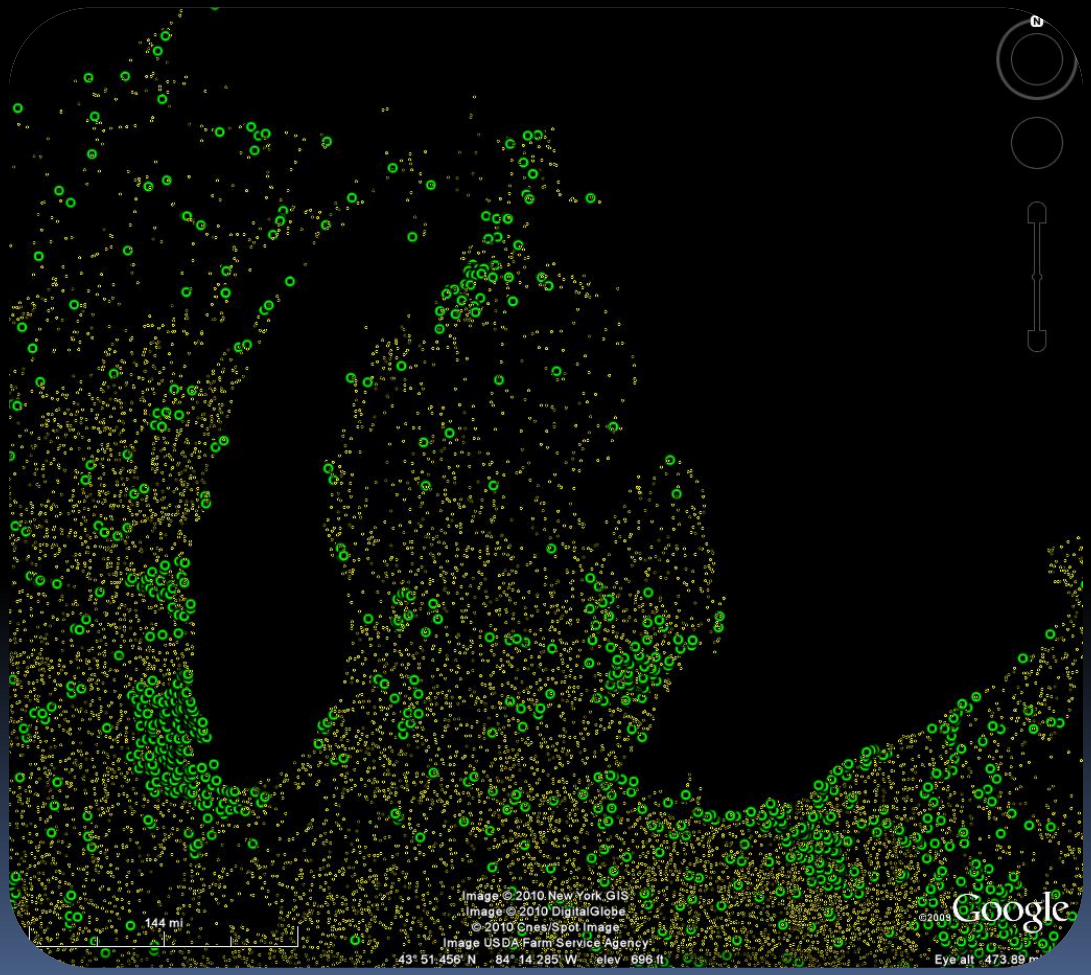


CONNECTION TO THE NEXT SPEAKER…

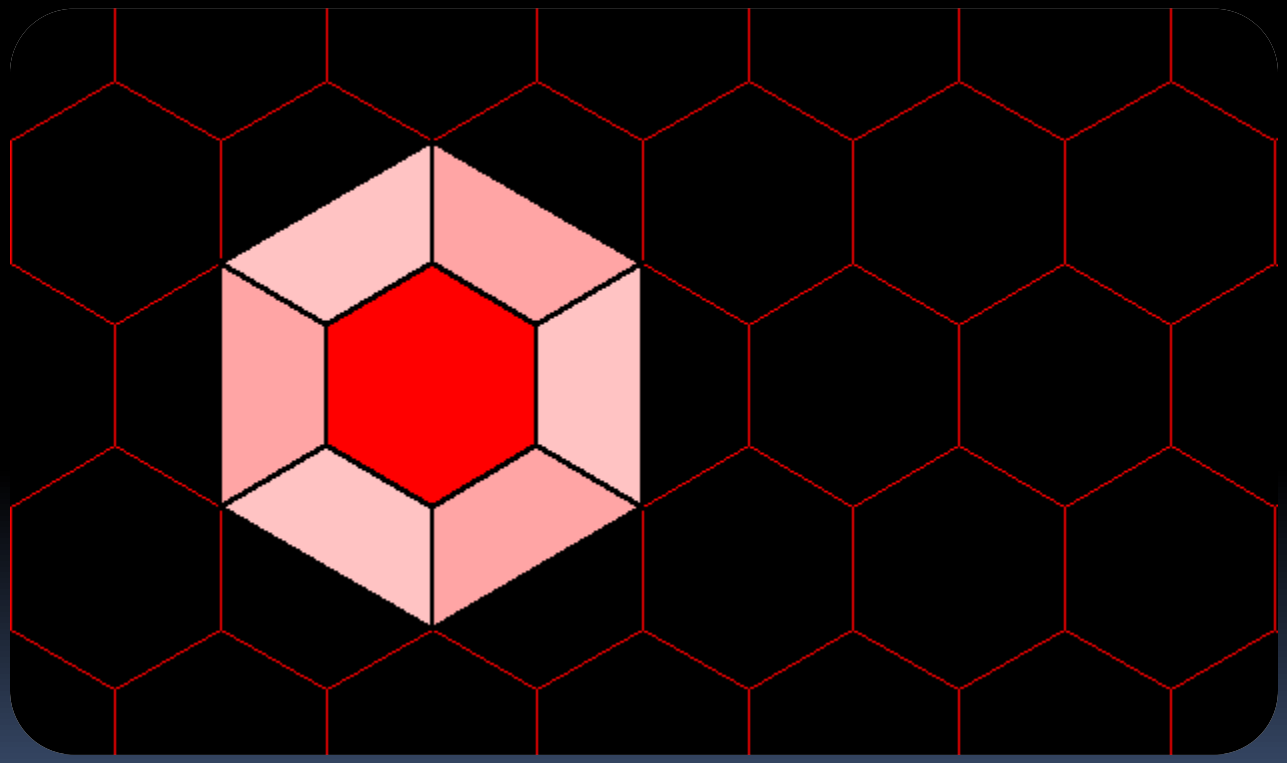
ESRI’s ArcMap database shows 126,166 features in the cemetery layer (gold) and 4303 features in the golf course layer (green).



The case of Michigan.



Cemeteries and Golf Courses:
Abstract Mixed Use Visualization



William E. Arlinghaus, B.A. President, Greenscape, Inc.

THE PERIMETER PROJECT:

GOLF COURSES AS 18 STATE "NATIONS"

The Perimeter Project: Phase 1.

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Memorialization:
Cemeteries and Golf Courses

When remains are integrated into the environment, rather than compactly stored in a vault or similar object, memorial needs may change…no longer are there marble monuments clearly and directly associated with individual remains.

The Internet offers direct, individual memorialization opportunity that becomes permanent when website maintenance is trust-funded as is traditional monument maintenance.

Kudos…and more…

Many Thanks to

- The School of Natural Resources and Environment for room use;
- Kris Oswalt of Community Systems Foundation (CSF) for software support;
- Google Earth for a software donation to CSF;
- CSF archive http://www.csfnet.org

Related Information

- http://www.MyLovedOne.com
- http://www.ArchivedMemorialsOnline.com
- Articles in Solstice:
  - June, 2009.
  - December, 2009.
  - June, 2010.
  - December, 2010, forthcoming.