The Cactus Moth Detection and Monitoring Network and the Invasive Plant Atlas of the MidSouth: Keeping Up With Technology

Organization of Fish and Wildlife Information Managers Conference

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Mississippi State University
Keeping Up With Technology

Web Design/Developer:

GIS Design/Developer:

Database Design/Developer:

Software Design Developer:

Systems Administrator:

Graphics Designer:

Map Cartographer:

…
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ArcIMS

Going … Going … Gone

Going from ArcIMS to ArcGIS Server

- Expertise
- Money
- Equipment
- Time
- …

But WORTH IT!!!

Eventually a necessity!
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Equipment

- One year from specs to a usable condition.
- OS, Software
- Disk Space
- Raid System
- Backups
- Start Ups
- Access, Firewalls, Proxies, …
GIS Software

What mapping software?

Cost?

Usability?

Problem free?
GIS Software

What mapping software?
ESRI’s Arc Software

Cost?
Free

Usability?
Powerful, fast and getting faster, and easy for the user to navigate if design that way

Problem free?
NOOOOO000000000000
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GIS Software

Caching

Compact Caches
- Not worked yet

Exploded Caches
- Disk space
- Time

Online Basemaps
- Not enough zoom levels
Online GIS Mapping

Javascript API

Flex API

Silverlight API

Which one should I use?
Online GIS Mapping

Javascript API
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Which one should I use?
Javascript
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Which one should I use?
Javascript
or
Flex
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Which one should I use?
Javascript
or
Flex
or
Silverlight
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Website Maintenance and Upgrades

- Fresh look
- More tools
- More content
- Fixes
- Upgrades
- Security
- Data sharing

- Useful and Usable
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Problems

- Time/Money
- Poor Planning
  - Plenty of time for purchasing equipment
  - Time for installing and configuring
  - Time for caching
  - Backups, disk space
- Lack of Expertise – Learning Curve
- Other Responsibilities
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