

Imagery Portal Workshop #2
Department of Administrative Services, Executive Building
Salem, Oregon
May 11, 2006

Workshop Purpose: discuss the outcomes of the phase 1 scoping process for development of an imagery portal and the next steps for implementation.

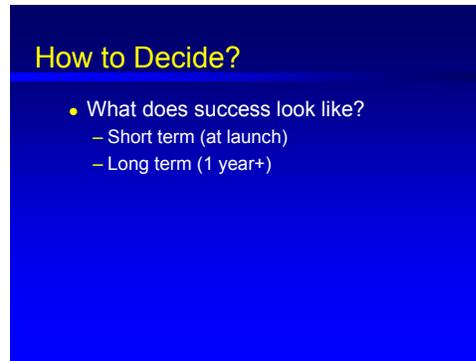
Present: Randy Sounhein, DSL (Chair); Cy Smith, DAS/GEO; Ed Zigoy, BLM; Theresa Valentine, USFS; Chad Brady, ODOT; Dennis Scofield, ODOT; Nancy Tubbs, USGS; Tanya Haddad, DLCD; Diana Walker, ODA; Mike Engelmann, UO; Erik Steiner, UO; Steve Lucker, DOR; Andrew Herstrom, ODF; Renee Davis-Born, OSU; Jimmy Kagan, OSU; Tim Fiez, OSU; Kuuipo Walsh, OSU; and Janine Salwasser, OSU (workshop facilitator).

Hand Outs: Agenda, Draft Report for Phase I Scoping Process for Development of the Imagery Portal, Slides of Tim's PowerPoint presentation (meeting copy).

Findings and Recommendations of Phase I scoping:

Janine highlighted that the purpose of the Phase I Scoping was not to select a vendor, but rather to assess what products are currently available that might fit the needs targeted by the Imagery Portal and to identify priorities for the Imagery Portal's functionality that will be articulated in the RFP for a software solution.

Tim Fiez presented a PPT presentation outlining the findings from the Phase I scoping process.



Short Term Success

- Functional measures
 - A web-application that provides straightforward clip and zip access to the NAIP imagery
 - A high performance image service serving NAIP imagery
 - Available to everyone

Short Term Success

- Other Measures
 - On-time
 - Affordable
 - Stable

Long Term Success

- Functional Measures
 - Image portal integrated with Navigator
 - » Imagery one of many geospatial datasets and services available through the broader geospatial portal

Ability to provide COTS image provisioning

- Does the application provide a COTS image provisioning application or would the state of Oregon have to acquire a custom web application for image provisioning?

1. Image Provisioning Web Application

	Image Provisioning Web Application
ESRI Image Server	-
Intergraph Terrashare	-
Ionic RedSpider Image Archive	+
SANZ EarthWhere	S

KEY
 S = Very strong candidate
 + = Capable of meeting this criterion
 - = Area of concern

“COTS” and Web Image Provisioning

- Does the vendor provide an out of the box web portal that meets Oregon’s requirements?
- All vendors provide interfaces and/or services than can be called from a web application
 - Inner workings are COTS
 - Web interface is custom

Strength of WMS Server

- Is the system designed as a high performance WMS server and have demonstrated high demand installations?

2. Strength of WMS Server

	Web Map Server (WMS)
ESRI Image Server	?
Intergraph Terrashare	+
Ionic RedSpider Image Archive	+
SANZ EarthWhere	-

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Supporting Applications with WMS

	Required	Desired	WMS Client	WMS Notes
MicroStation V8 XM	Y		Y	Geospatial Extension will be a WMS client (available Fall 2006)
MicroStation V8 2004	Y		N	
ArcGIS 8.X		Y	Y	ESRI OGC Interoperability Add-On
ArcGIS 9.X	Y		Y	Native to application
ArcView 3.X	Y		Y	MN DNR WMS Client for ArcView 3.x
MapInfo 8.X		Y	Y	Professional 8.0
GeoMedia	Y		Y	Native to application
ArcExplorer		Y	Y	ArcExplorer Web
ODP MapObjects app	Y		?	
Erdas Imagine		Y	?	
Autocad/Autodesk		Y	Y	MapGuide WMS Extension

- ESRI and Intergraph plug-ins (non-WMS) are the only options for MicroStation V8 2004
- WMS would be the only option for MapObjects applications

Licensing Model

- Does the application's licensing model fit the state's plans to allow everyone to use the image portal?

3. Licensing Model

	Business Models for Licensing
ESRI Image Server	+
Intergraph Terrashare	+
Ionic RedSpider Image Archive	+
SANZ EarthWhere	-

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Relative Cost of Licensing

- Although specific cost inquiries and negotiations are reserved for the RFP process, we did inquire about costs of installations that might be similar to what is envisioned for Oregon.

4. Relative Cost

	Relative Cost of Licensing
ESRI Image Server	+
Intergraph Terrashare	-
Ionic RedSpider Image Archive	s
SANZ EarthWhere	-

KEY
 s = Lowest cost
 + = Medium cost
 - = Highest cost

Demonstrated Use of Product

- Relating to the stable criterion, is the proposed solution in use where we can see it in action and were customer responses positive?

5. Demonstrated Use

	Demonstrated Use of Product
ESRI Image Server	?
Intergraph Terrashare	s
Ionic RedSpider Image Archive	s
SANZ EarthWhere	s

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Likelihood for On-Time Delivery of Product

- Do we anticipate choosing the vendor's solution would allow us to deliver an up and running image portal by the required project end-date (Dec. 2006) ?

6. On-Time Completion

	Likelihood for On-Time Delivery of Product
ESRI Image Server	-
Intergraph Terrashare	+
Ionic RedSpider Image Archive	+
SANZ EarthWhere	+

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Ability of the Product to Integrate with NavigatOR

- Does the proposed solution have potential for working with the proposed statewide system for spatial data?

Oregon GIS Utility Conceptual Design

- Web-based GIS and metadata search, access, display, mapping, and simple analysis
- Multi-format Data Access, Import and Export: Data stored in a variety of formats will need to be accessed and imported and exported.

7. NavigatOR Integration

	Potential to Integrate with NavigatOR
ESRI Image Server	s
Intergraph Terrashare	+
Ionic RedSpider Image Archive	+
SANZ EarthWhere	-

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Summary

	Image Provisioning Web Application	Web Map Server (WMS)	License Model	Relative Cost	Demonstrated Use	On-Time Delivery	NavigatOR Integration
ESRI Image Server	-	?	+	+	?	-	s
Intergraph Terrashare	-	+	+	-	s	+	+
Ionic RedSpider Image Archive	+	+	+	s	s	+	+
SANZ EarthWhere	s	-	-	-	s	+	-

Image Provisioning Customization

- Provides a larger vendor pool
- Be specific in RFP
 - Exact steps/options
 - Wireframes
- Tight control over development process

Comments regarding Findings:

- Many of the functional requirements initially outlined by OFIT are addressed within the 1) Image Provisioning Web Application and 2) WMS Server criteria
- The lack of a completely COTS solution to meet the required needs is important to highlight. Specifically, there is no one “plug and play” software solution that fully meets the image provisioning and web services needs outlined for the Imagery Portal.
- Several OFIT members were confused by the mention of COTS in the first criteria, Image Provisioning, in the draft report. The terminology for this criterion should be changed to “Image Provisioning Web Application,” removing all references to COTS.

Comments about additional criteria and responses from OSU team:

- Concerns about time/resources needed to ingest data – *None of the vendors appears to have a significantly faster or slower timeframe from ingestion.*
- Response time to receive requested output – *Much of this will hinge on the network design between OSU and the State Data Center. As needed, information about this issue will be built into RFP.*
- Concern about ability to monitor system – *All of the vendors appear to have methods for doing this.*

Decision Point: Weighting of evaluation criteria

The OSU team assumed that all criteria were not equal in priority, but did not have the information from the OFIT team to know which criteria was of greatest importance. To get at this information, OFIT members were asked to weight the evaluation criteria through the use of a dot exercise. Each organization represented at the meeting was given three dots and asked to place the “red dot” on their highest priority criteria (worth 3 pts); a “green dot” on their second highest priority (worth 2 pts) and a “yellow dot” on their third highest priority (worth 1 pt). Results of the weighting at the workshop are as follows:

Criteria	Highest priority votes	2 nd highest priority votes	3 rd highest priority votes	Total points
Image Provisioning Web App	4	3	2	20
WMS	4	2	1	17
License Model	1	2	1	8
Cost		1	1	3
Demonstrated Use	1		3	6
On-Time Delivery	1	4	3	14
NavigatOR Integration	1		1	4

OFIT organizations who were not represented at the workshop will be invited to submit their votes by a representative member to Randy Sounhein by Monday, May 22. The final compiled results will be used to inform the RFP process and evaluation. All criteria will be evaluated in the RFP process, even those of lesser priority.

The results of the weighting exercise at the workshop suggest that the image provisioning and web services functionality within the Imagery Portal are equally important to users. Because of this, the last PPT slide, which highlights the need

for some customization is critical, given that the scoping process concluded no single vendor can fully meet both needs with a COTS solution.

It will be important to define what is meant by “customization”. The group does not want a completely customized solution (largely due to time and money constraints), but some customization to meet the required functionality is acceptable.

Implementation steps:

- RFP process being led by OSU with input from DAS and OFIT
- OFIT members will review Statement of Work of RFP to make sure constraints are well-stated and details of the functionality are well defined
- Contractor is expected to be on board by mid-September 2006.
- The implementation process is expected to begin in mid-September and be completed by the end of 2006.
- The Imagery Portal will have its own domain name, but will also be accessible via the Oregon Explorer.

Other tasks:

- Resolution is needed regarding ODOT’s MicroStation use and ODF’s MapObject use as they relate to WMS-supporting applications
- Follow-up with vendors’ customers may be needed for additional information about customization costs