Are You on the Map for Geospatial Data Applications and Hosting?

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*an East View update on happenings benefiting print, raster and vector geospatial data*

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East View Cartographic - www.cartographic.com
East View Information Services - www.eastview.com
East View Map Link - www.evmaplink.com
Today you will learn...

About hosting and access technologies that will bring your existing and prospective geospatial data to life for your non-GIS and GIS-savvy patrons

How EVC’s GIS production capabilities can help you put your geospatial data in the right context for your users

…that EVC is definitely not just a paper map partner although we did recently acquire MapLink, which puts us more in the paper map business than ever before

Ways EVC can keep you apprised of new and interesting procurements
Our agenda

• Q&A as desire arises

• Demo’s are to inspire thinking through highlighting specific real-world applications of GIS data and software
  – 5 or so schools to come forward with pilot ideas that EVC can help them solve

• Outreach Roadshow – consider the concept; EVC can help you sell your capabilities and can help instruct you and your patrons

• EVC is a key resource for you as you consider GIS data and hosting/serving
Your Challenges…

1. Geospatial data (print, raster and vector) scattered and unused

2. Authoritative and properly formatted geospatial data to satisfy increasing demands on your collection

3. Quickly and easily obtaining the data you need in the format your patrons need and then making the data accessible

4. Increasing proliferation of imagery and digital data

5. Identifying and acquiring geospatial data for uncommon regions
   - national mapping agencies, commercial geospatial data creators; publishers
Who is East View?

Uncommon Information from Extraordinary Places

150 Employees
HQ in Minneapolis

Offices in Moscow, Nairobi, Beijing, Netherlands, Germany, Kyiv
What does East View Cartographic do?

EVC is a leading provider of all manners of geospatial data from around the world to a worldwide customer base.

EVC specializes in materials which are hard to obtain; such as those from Iran, Bangladesh, North Korea, Kyrgyzstan, etc.

EVC adds value to source data in a variety of ways detailed in this presentation.
What EVC Can Do For Academic

- Supply of source materials (paper/raster/GIS vector)
- Raster Services – digitization and metadata creation
- Georeferencing, Mosaicing, Rectification, Reprojection
- Satellite Imagery Supply and Processing
- GIS Vector / Feature Extraction and Update
- Cartographic Approval Plans – MARC records
- 3D City Modeling
- Data Hosting – Geospatial Web Services
- Custom projects based on client needs
The Future of Digital Maps in Libraries

Trends EVC is seeing..

- Significant increase in sales of digital raster map sets to US universities; EU slower to adopt; China is emerging
- Increasing interest in “web mapping services”
- Widespread interest in Approval Plan offering
- Procurements and Production for Corporate and Gov’t customers are bringing more affordable foreign GIS data to Academic – Myanmar, Botswana, Ethiopia, Iran
Digital Maps in Libraries

• Why Opt for Digital Maps?
  – Storage capacity for paper maps is limited
  – Digital maps provide coverage of many areas where maps are out of print and often offer the most up to date materials
  – The ability to easily integrate these maps into GIS software and use with other data
  – The ability to create seamless mosaics of entire map series
  – Wider access for users beyond the geography department such as:
    • Architectural design
    • History department
    • Environmental engineering
    • Geological department
Geospatial Web Services (GWS) is a new external offering from EVC.

The service enables University library patrons to connect and utilize geospatial data over the internet either through GIS software or via an easy-to-use Web App.

Types of Data:

1) Raster (individual or mosaiced map series)
2) Vector
3) Index Maps

Types of Services (all Open Geospatial Consortium compliant)

1) Web Mapping Service (WMS) – serves georeferenced maps over the internet
2) Web Feature Service (WFS) – allows querying and retrieval of features
3) Web Content Service (WCS) – allows querying and retrieval of coverages
Geospatial Web Services – Why?

GWS services (why they work for you)

- allows you to maximize the potential of your existing data
  - These GWS’s allow students and patrons 24/7 access to geospatial data
  - Can serve as backup to locally stored data

- These services allow viewing, analysis and geoprocessing of the data without the need for it to be stored on their local machines

- These services take the burden off of local IT departments by allowing the storage, maintenance, and set up of the data off site

These GWS’s are configured for GIS applications such as ESRI and Global Mapper and in easy to use Web applications for savvy and non-technical users.
EVC has more than 80 terabytes of data on hand and over 1,800 indexes for map series from around the world.

EVC has a 1 gigabit internet connection line allowing optimal connections.

EVC can include a data hosting and GWS as part of your next purchase or we can also work with you to host data from your current collection.
• Humanitarian/Open – Japan

• Subscription Product – Karta Mira

• Academic Solution – Mexican Vector

• Corporate Solution – Motorola/Nokia

• Prospective Academic Solution – EarthView Image
Immediately following the earthquake and tsunami off the coast of northern Japan, East View Cartographic (EVC) was approached by the Japan Map Center in Tokyo to make English versions of nineteen 1:25,000 scale topographic maps over the affected area in and around Sendai, Japan.

EVC was given permission to host this data and give open access to the world which we did through OGC WMS service and a web interface.
Global coverage at 1:2,500,000 Scale.

262 map sheets with over 6 countries contributing.

http://wms.cartographic.com/gws/services/trial/Karta_mira_mosaic/mapserver/wmsserver?

UN: WAML
PW: WAML2011
University of Arizona was interested in over 660 sheets of 50K GIS vector data. EVC worked with U of AZ to find the best way to disperse the data so that they could get the full potential out of such a large data purchase.
Customer wanted outside source to host data but maintain instant access to maps
EVC proposed a custom web application built to serve up direct access to map metadata and the map scans themselves
Customer also wanted the ability to search geographically and get map information including the ability to order maps not already in their collection
• Customer wanted access to specific map series metadata and availability status
• EVC built a custom web interface which serves as a geospatial catalog
• Simple application which used EVC’s metadata and holdings knowledge
What Else From East View

- GWS Pilot Projects – we want to discuss 5 pilot ideas with schools that you have wished for or discuss a problem where you need help designing the solution.

- Map Set Books (Russian and Map Sets)

- Monthly Newsletter

- Satellite Imagery Source and Production
• A natural for East View – maps (EVC), monograph and serial supplier to customers and subscriptions agents (EVIS)

• Fills gaps in our collection on the topo side

• Want to set up approval plans, standing orders and continuation services for librarians along with MARC records

• Low cost USGS source - $7/sheet

• Earth Platinum atlas – Australian publisher designated East View the North American distributor
• If EVC could get enough schools (5ish) to create a one-day learning curriculum where Tony is the or one of the assembled talents, EVC would build the curriculum, train you and together deliver to an assembled audience of students, librarians and faculty.

• We would take the curriculum on the road with you learning and jump starting a serious outreach effort.
Q&A

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