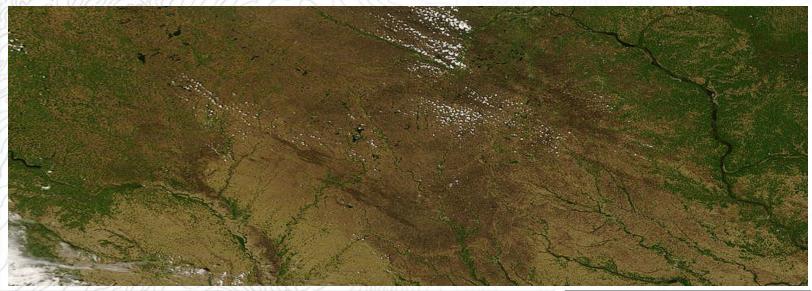
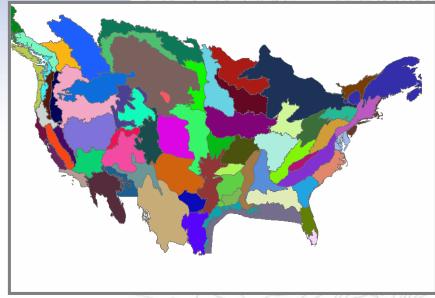
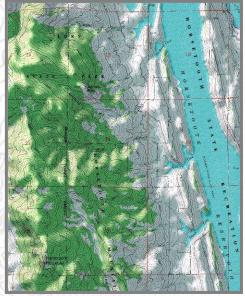


i-cubed: information integration & imaging LLC Geospatial Content Sharing Platform from the USDA FAS using the DataDoors™ Framework











Overview

- Goal of FAS is to share imagery with participating partners – across agencies
- Make discovery easy
 - Web app
 - ArcMap extension
- Make delivery easy
 - Subset
 - Process on Demand
 - Reformat and Reproject
- Improve utilization and thus ROI



Data Doors ™

- Authenticated Content Discovery
 - Existing archives
 - New content from commercial vendors
- Delivery as Files
 - GeoTiff, geoPDF,NITF, NUI etc.
 - Optimized processing for user applications
- Delivery as Streams
 - WMS, GE, ESRI etc.
- Integration into enterprise systems
- COTS or Hosted Implementations



Select Customer List

- USFS, USDA...
- U.S. Army TEC, other DOD...
- MapQuest, Yahoo ...
- Tele Atlas, Navico...
- ESRI
- Digital Globe, SPOT, etc...
- Anadarko, Marathon, IHS...
- Nokia, Nextel, Motorola...
- Weather Central, National Geographic...
- OAS, United Nations, ...



The i-cubed Approach

- Adopted 'process engineering' approach
- Hosting and dissemination of imagery
- Enforces
 - Standardization
 - Change Management Protocols
 - Structured approach to use of data assets
 - Corporate business rules
- Enables
 - Focus on respective core businesses
 - Fast flexible responsiveness



The i-cubed Approach

Facilitates:

- Enterprise-wide use (all users have access to data, not just the guy with the CD in his desk)
- Common operating picture
- De-duplication of imagery data sets
- Knowledge of what source material was used for production of what products
- Traceability



Case Study: US Army

- Purchased DataDoors in 2003
- Asked i-cubed to take care of ingest, hosting and streaming services
- Current ingest of over 23,000 individual pieces of media
 - Tape
 - -CD
 - DVD
 - USB Drive
- i-cubed is image hosting and streaming solution for non-classified raster data



Genesis

- Manage i-cubed's own data assets
- Manage automated processing of standard data products
- Provide portal for customers to discover and extract their in-house and external data sources
- Commercialized as product in 2003
- Evolved to become End-To-End ASP hosting architecture
- COTS for use behind firewall

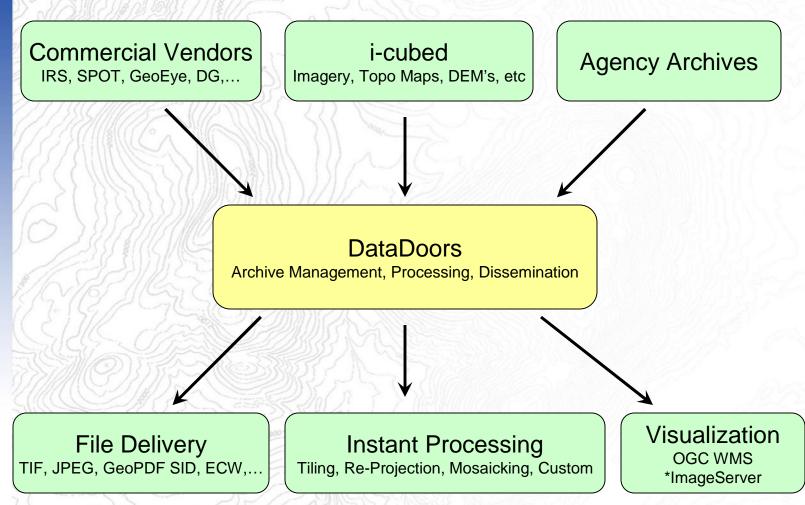


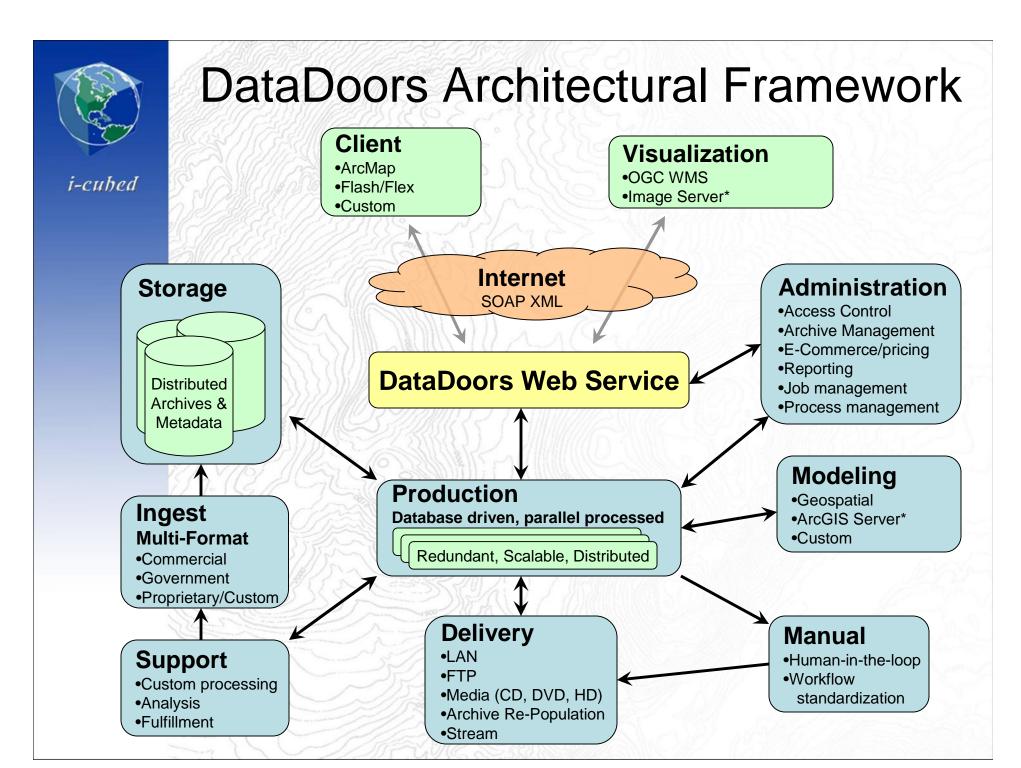
Only Seconds to Utilize Data

- View immediately in stream
- View immediately in 3-d application
- View data processed on the fly or have file delivered
 - Identify your area of interest
 - Choose a product
 - Select a process (optional)
 - Specify output parameters
 - Get your data!



Architectural Overview

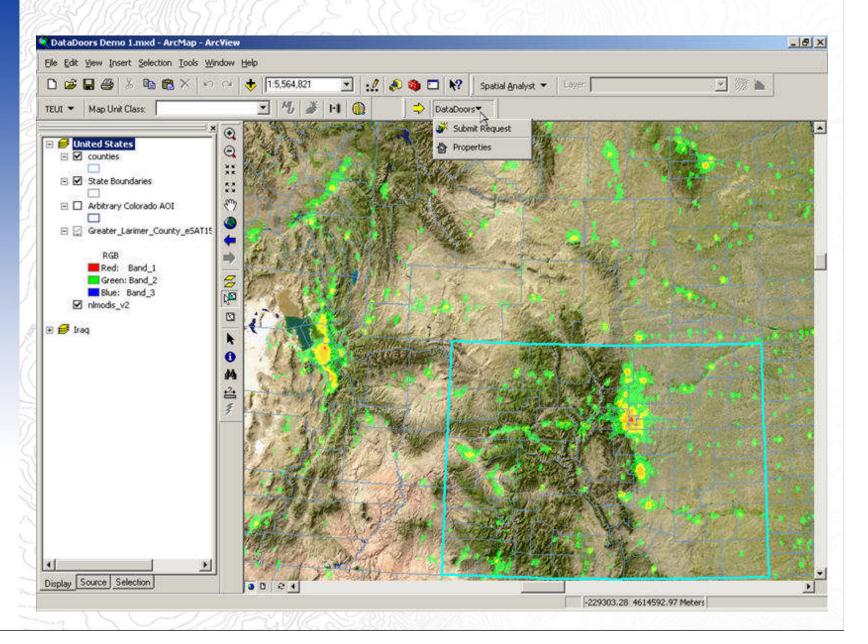






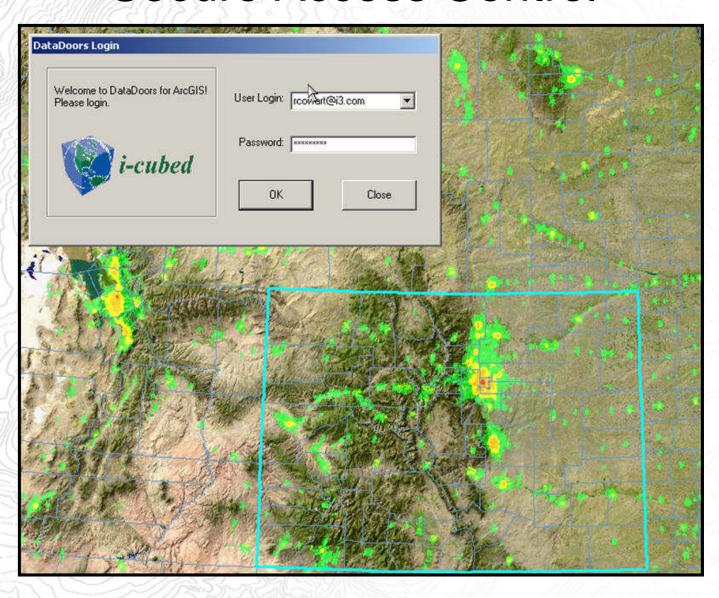
i-cuhed

DataDoors[™] for ArcMap[™]





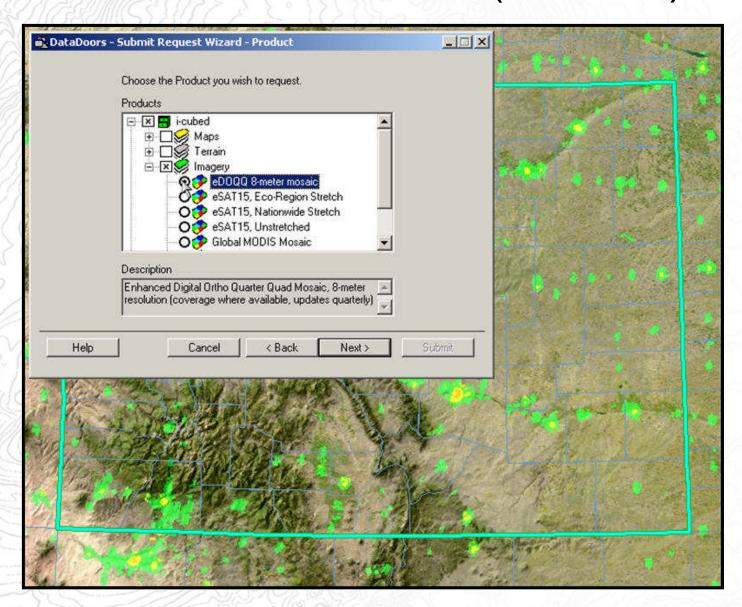
Secure Access Control





i-cuhed

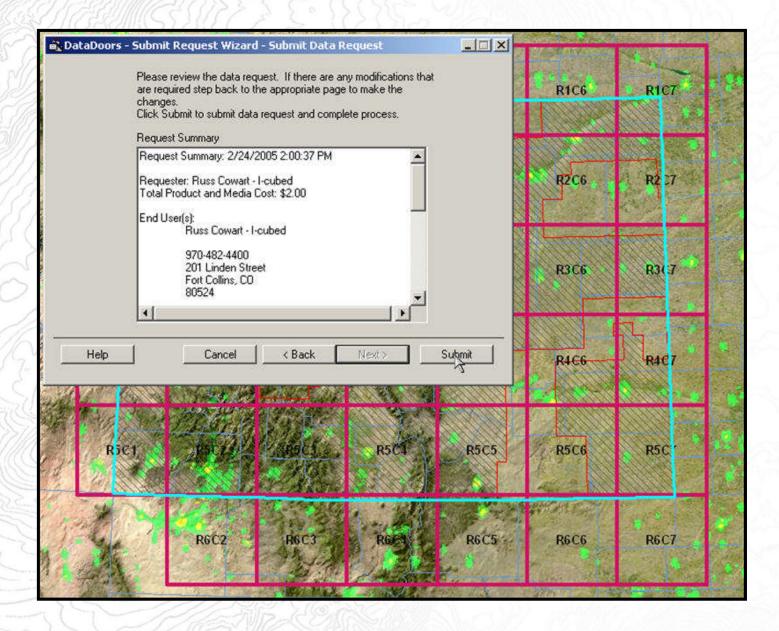
Select Data Source (Product)





i-cubed

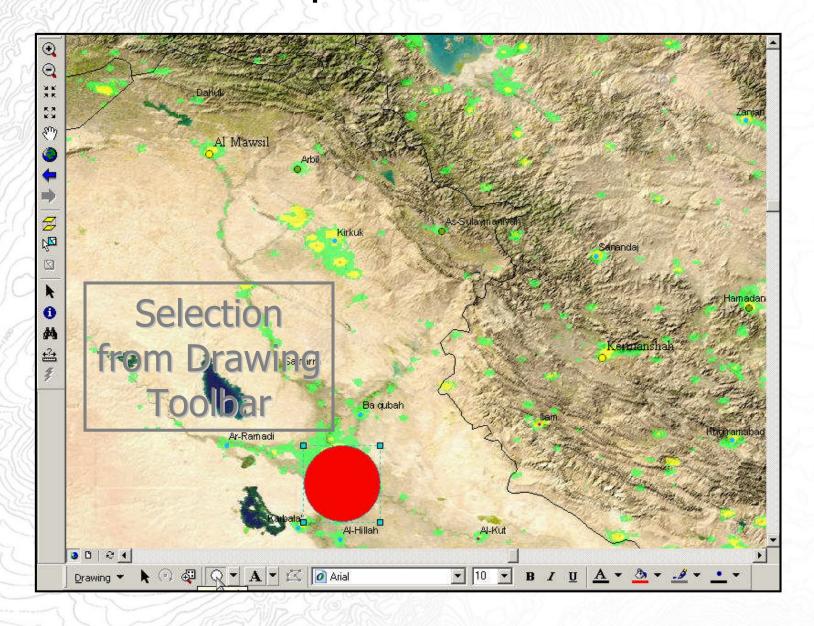
Place Order!





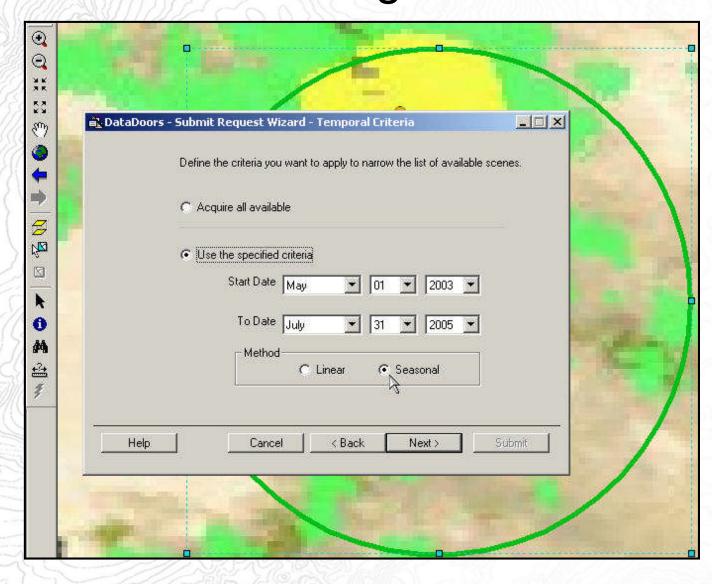
i-cuhed

Multi-temporal, Multi-source



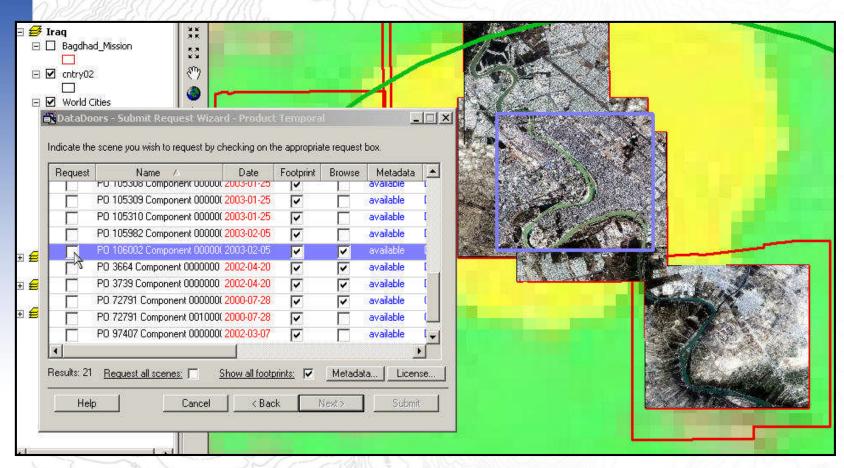


Filtering of Scene Selection by Date Range



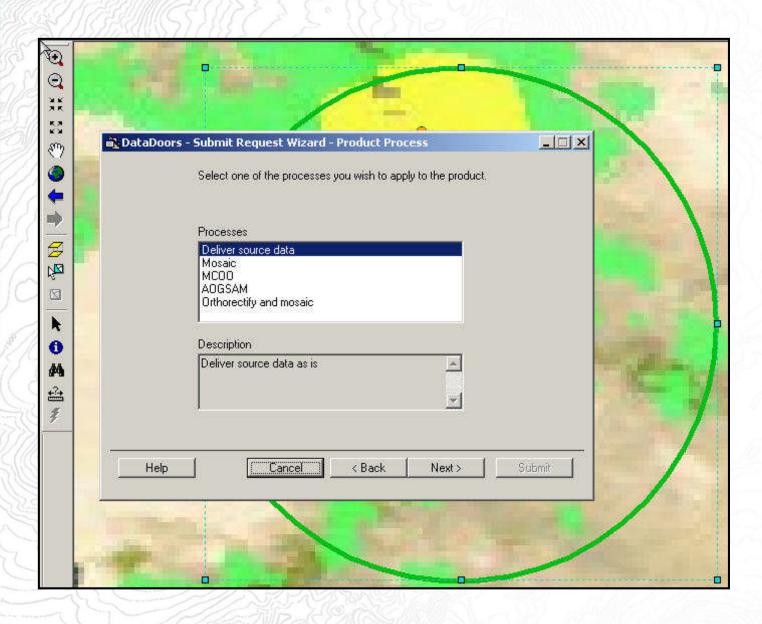


Metadata List of Available Imagery





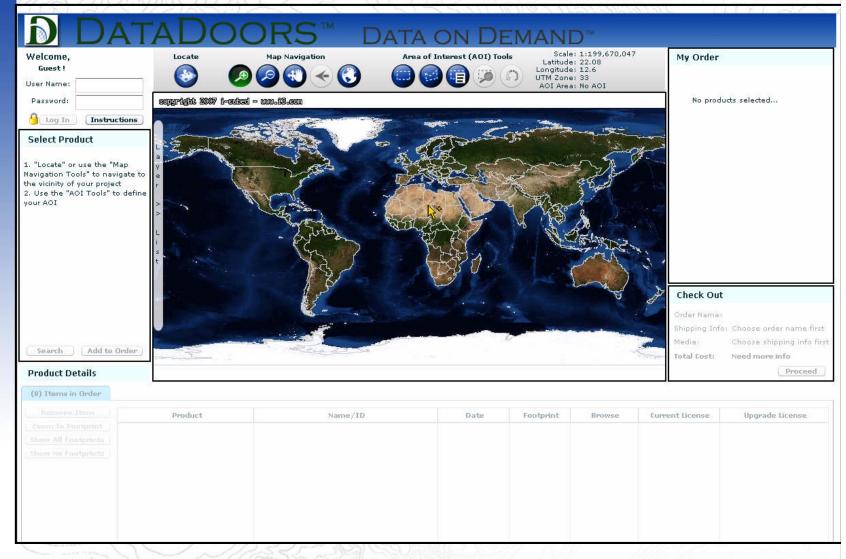
Selection of Value-Added Process





i-cubed

Flex / Flash GUI





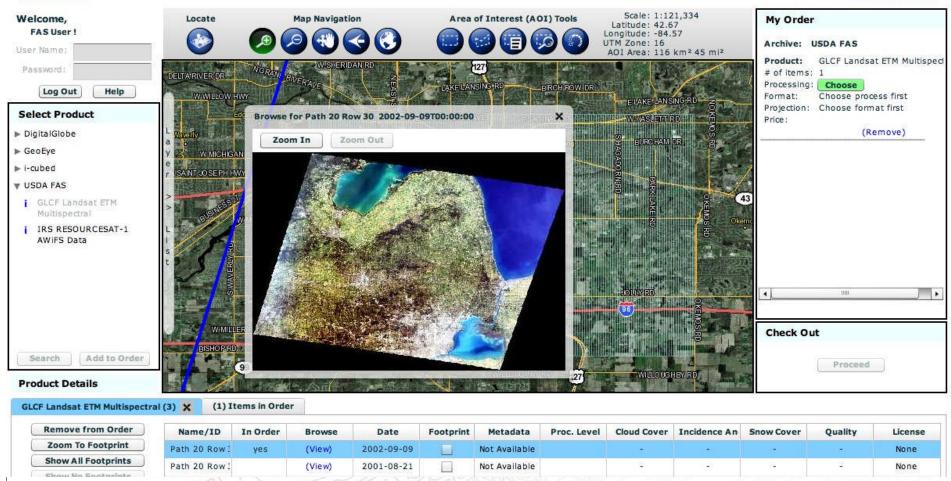
FAS



JSDA United States Department of Agriculture

Foreign Agricultural Service





ESRI Implementation



DataDoors™ for ArcGIS 2.0 Beta

About | Contact | Support | Tools for ArcGIS | Demos | Create Account







Microsoft® Virtual Earth™





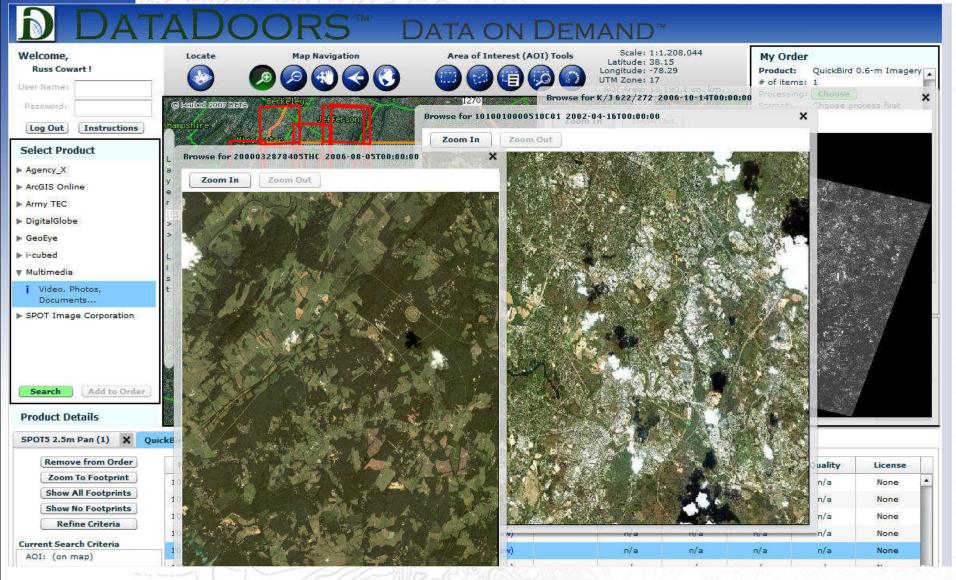






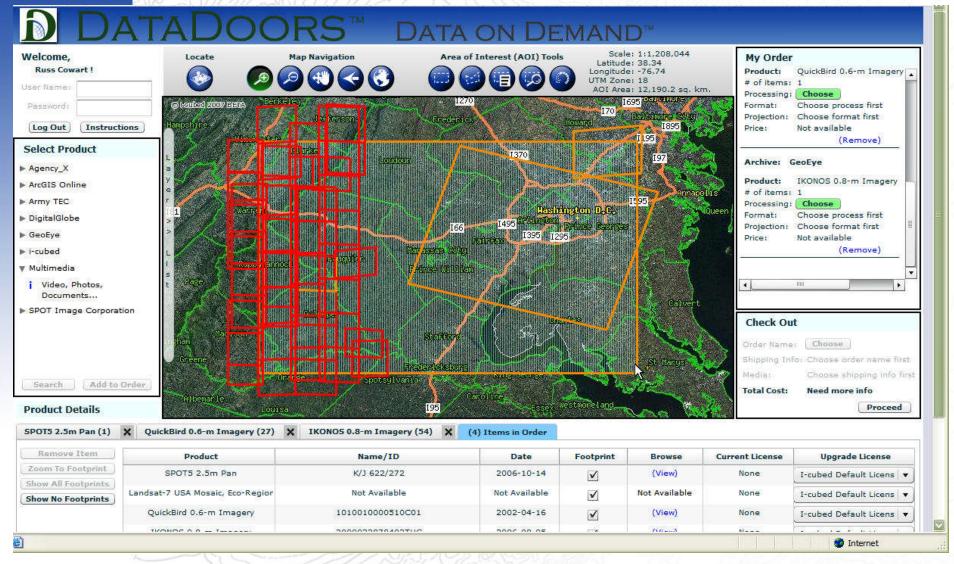


DataDoors for the Web Multi-source Browse Preview



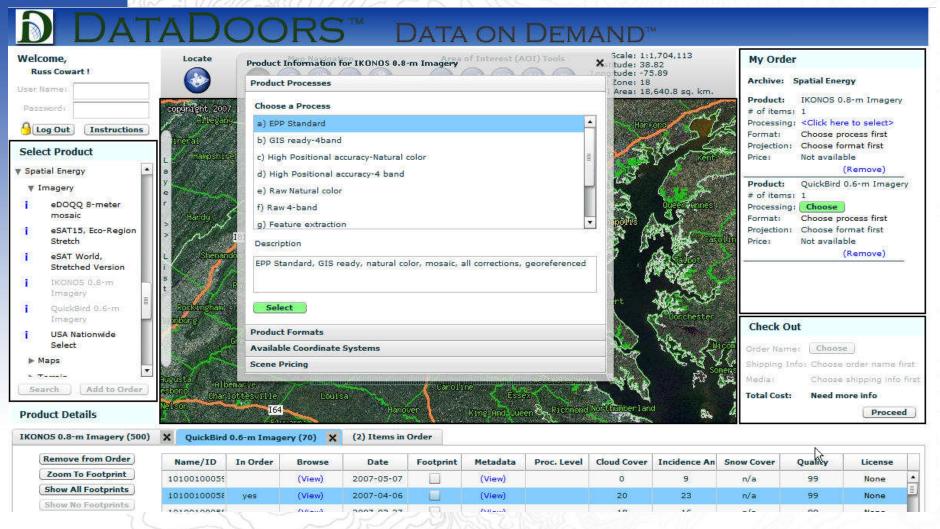


DataDoors for the Web Multi-source Procurement



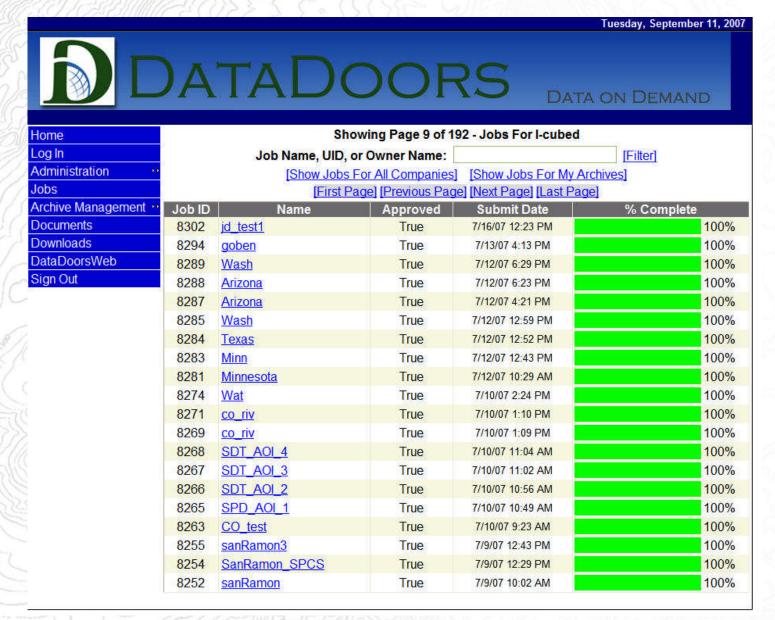


DataDoors for the Web Process / Workflow Selection



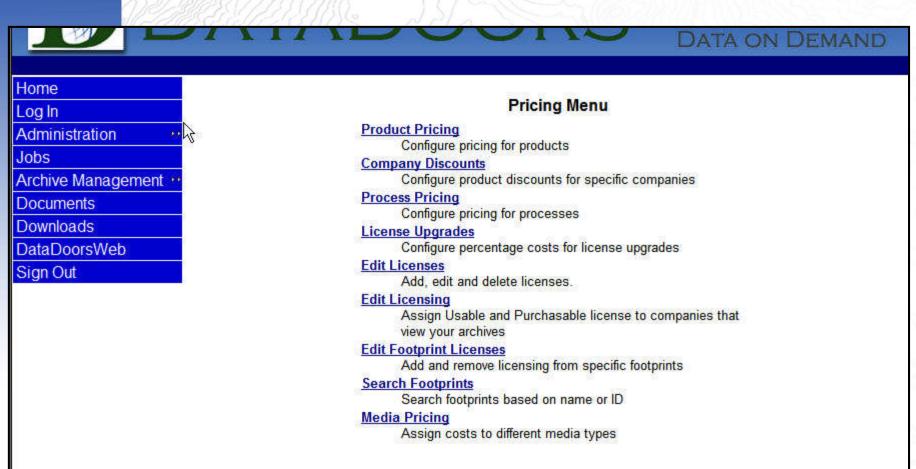


Administrative Interface Job Status





Administrative Interface Licensing & Pricing





Administrative Interface Authorization & Pricing Detail

		DATA ON DEMAN
Home Log In	Return to Pricing Menu Product Discounts	
Administration	500 miles - 500 miles (1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Jobs	Company	Product Discounts
Archive Management **	101st Airborne Div AASLT	Edit
Documents Downloads	111111_TESTJD	Edit
DataDoorsWeb	150th CES/GeoBase	Edit
Sign Out	1st Cavalry Division, 3rd BCT, HQ Troop 6th Squadron, 9th Cavalry	Edit
V 18065	2600 Military Intelligence Group Detachment 2	Edit
	2nd Stryker Cavalry Regiment	Edit
	3D Military Intelligence Center	Edit
	480thIG	Edit
	4D Earth	Edit
	4th IBCT, 1st Infantry Division, Fort Riley, KS	Edit
	4th Infantry Regiment, 1st BN, B Co.	Edit
	526th/518th Engineer Detachment	Edit
	7th Army Joint Multinational Training Command	Edit
	82nd Airborne Division G2, GI&S Cell	Edit
	90th Regional Readiness Cmd, 460th Chemical BDE, 468th Chemical BN	Edit
	99th Readiness Command	Edit
	A	Edit



DataDoors Implementation Options

- ✓ Entire framework can exist in your network
 - ✓ No special hardware or network requirements
 - ✓ Traditional licensing or metered utilization
- ✓ Outsource data warehousing to i-cubed
 - ✓ Secure and redundant storage, processing & communication infrastructure
 - ✓ Cost-effective archive indexing and fulfillment
- ✓ Any combination
 - ✓ Modular nature of DataDoors allows processing to occur adjacent to archive hosting
 - ✓ Management and administration handled centrally