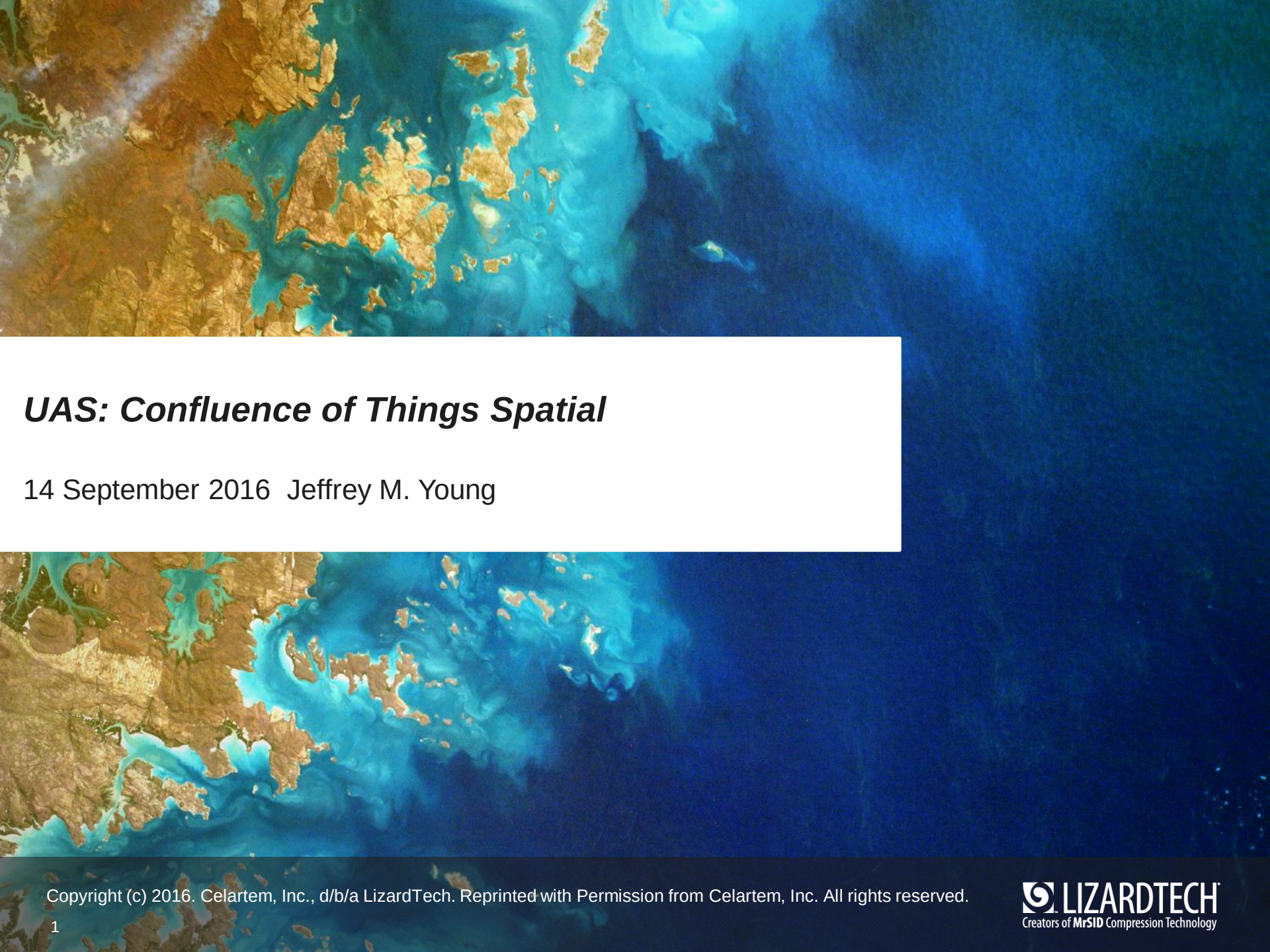

UAS: Confluence of Things Spatial

14 September 2016 Jeffrey M. Young

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Agenda for Today

- Thank You
- Exciting times
- Our Value, Standards and Certifications
- Position, Location and Place
- Geographies of responsibilities, interests and observation
- UAS Value Proposition
- UAS User Communities and Sectors Served
- Little Big Data

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Jeff Young's Background

- Born in Scranton, Pennsylvania USA
- A blighted geography---king coal
- Practicing Geographer
  - Scientific Applications
  - AEC
  - Modeling
  - Site Selection
  - Data Quality Concerns
- Now Business Endeavors
- Living in Centennial, Colorado
- Rocky Mountain Region/Data Archiving and Preservation

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Exciting times

- Geospatial
- Spatial
- Built Environment
- Borders, Boundaries, and Bounty
- Geographic Imperatives Before Us
- Best of Times

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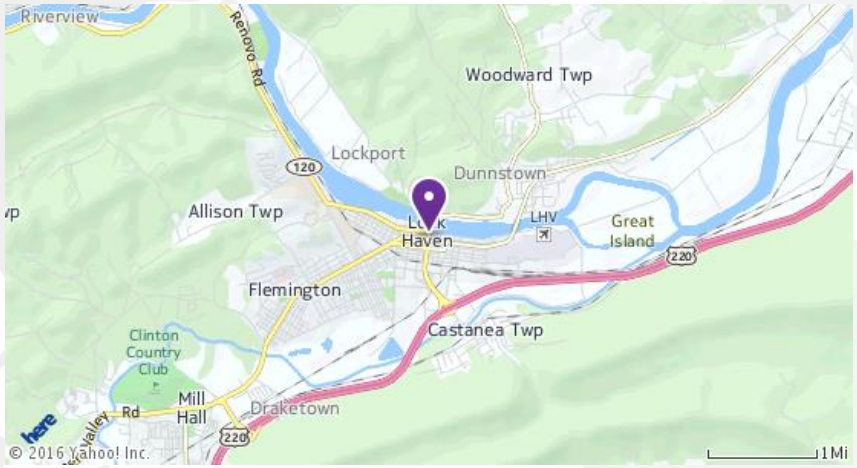
Geographies of ……



- Responsibilities – regulatory and financial
- Interests -- speculative
- Observation – personal interests

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UAS Value Proposition

Mandates and initiatives

Current Response

Measures of success

Value – Better, Faster and Cost Sensitive

Technical Response

…..The Quick Eat the Slow

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UAS User Communities and Sectors Served

National Government/National Security

Infrastructure

Energy

Regional and Local Government

Emerging Communities

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UAS User Communities and Sectors Served

Municipalities

Metropolitan Area /County – MSAs,

State/ Province

Region/ Multi-State based on political or physiographic boundaries

National

Multi National/Enterprise

Global

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UAS User Communities and Sectors Served

National Government/National Security

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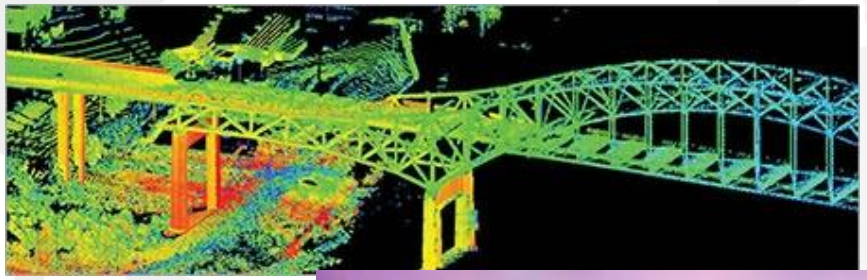
UAS User Communities and Sectors Served

Infrastructure



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UAS User Communities and Sectors Served

Energy

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UAS User Communities and Sectors Served

Regional and Local Government

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UAS User Communities and Sectors Served

Emerging Communities such as:

- Heritage & Culture
- Architecture, Construction & Real Estate
- Broadcast & Media
- Business & Financial Services
- Education
- Entertainment

……

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Little Big Data

Image Asset Handling Platform

- Compress
- Manage
- Distribute
- Integrate
- Deploy

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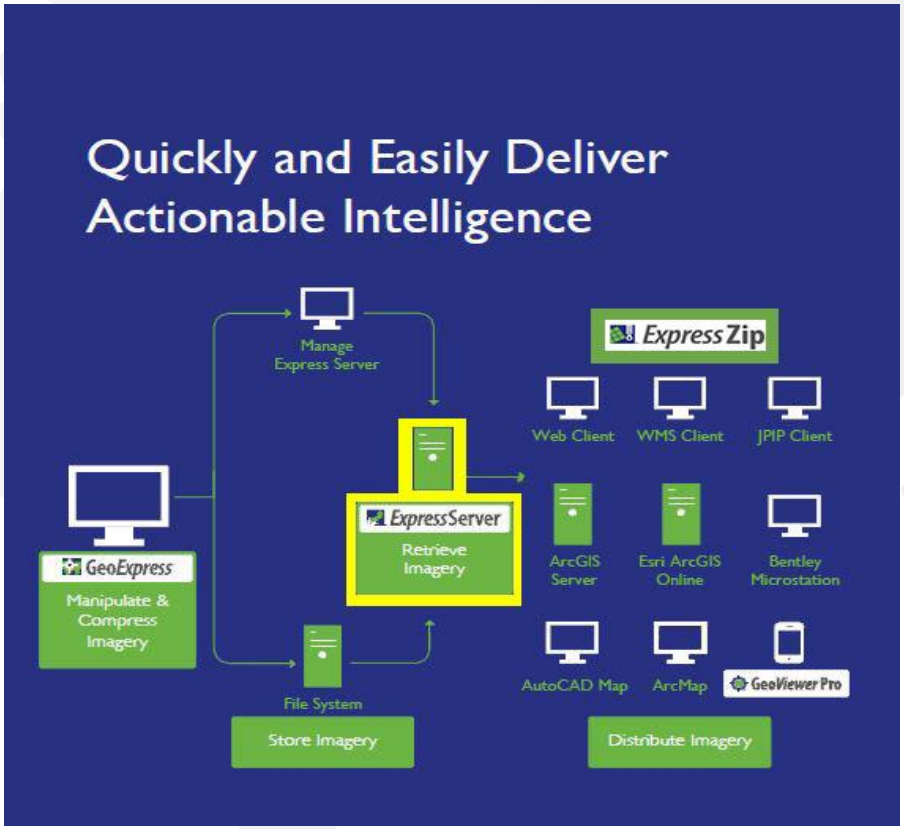
Image Asset Handling

- Compress
- Manage
- Distribute
- Integrate
- Deploy



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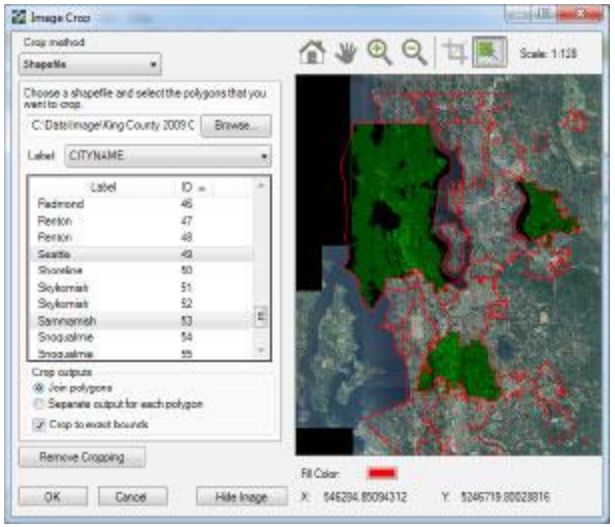
GeoExpress 9.5.1

- *LiDAR data into high-quality MrSID and JPG2000*
- Reproject, crop, color balance, compile mosaics using an intuitive set of tools
- Intuitive User Interface (UI)
- Seamlessly Mosaic LiDAR files
- Image Asset Handling Workflows
- Support for .pix raster data



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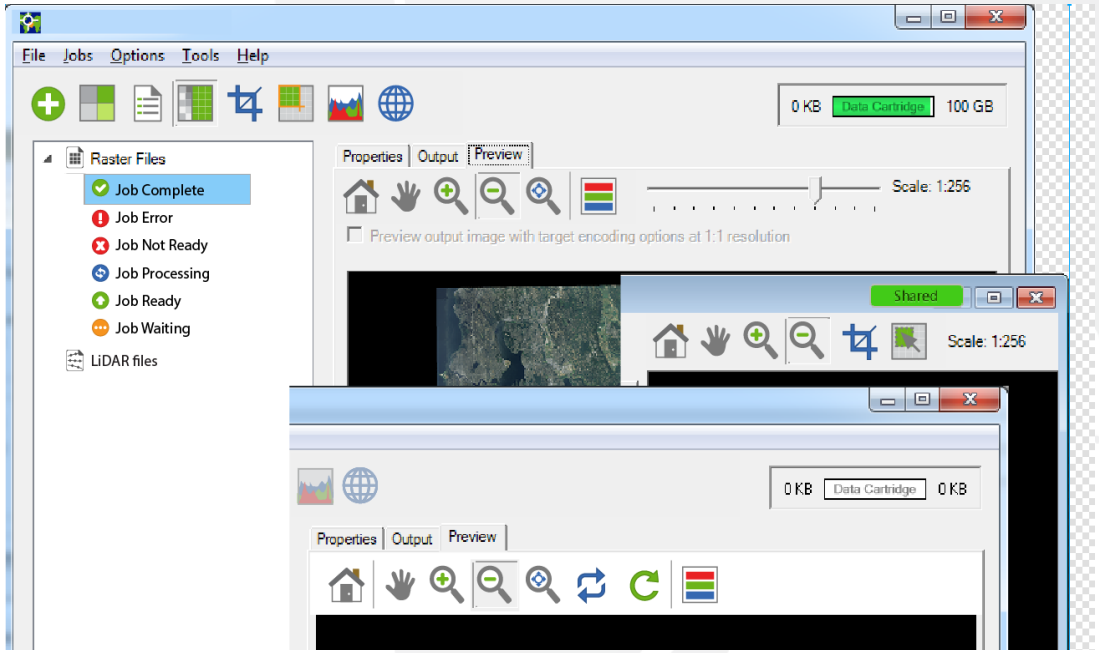
Intuitive User Interface (UI)



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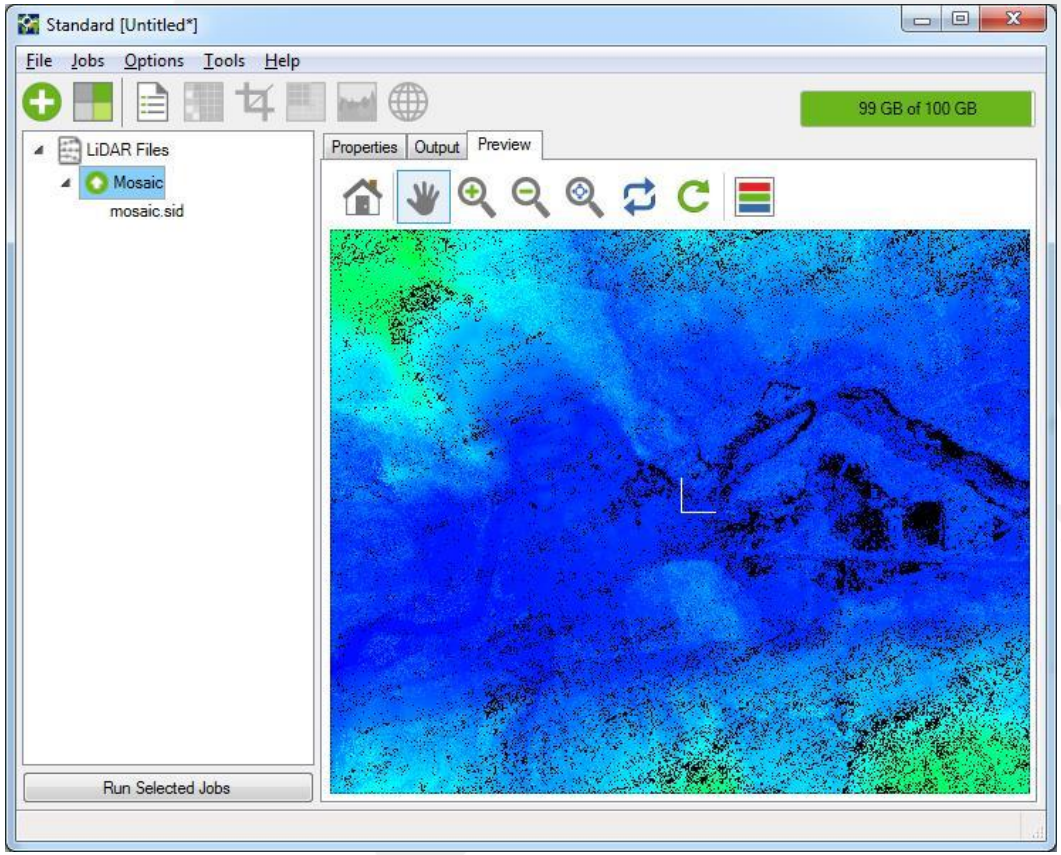
Mosaic LiDAR files



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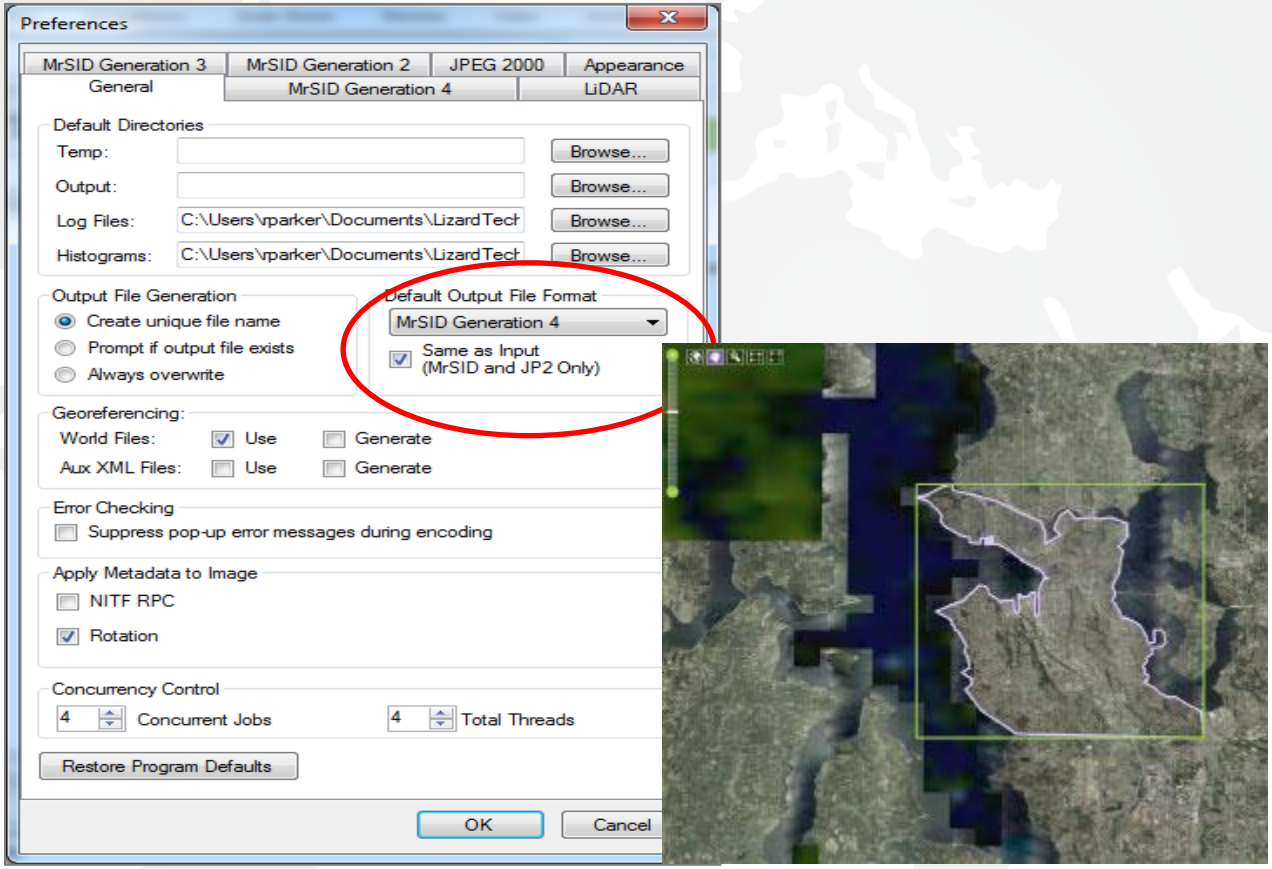
Workflows for Image Asset Handling



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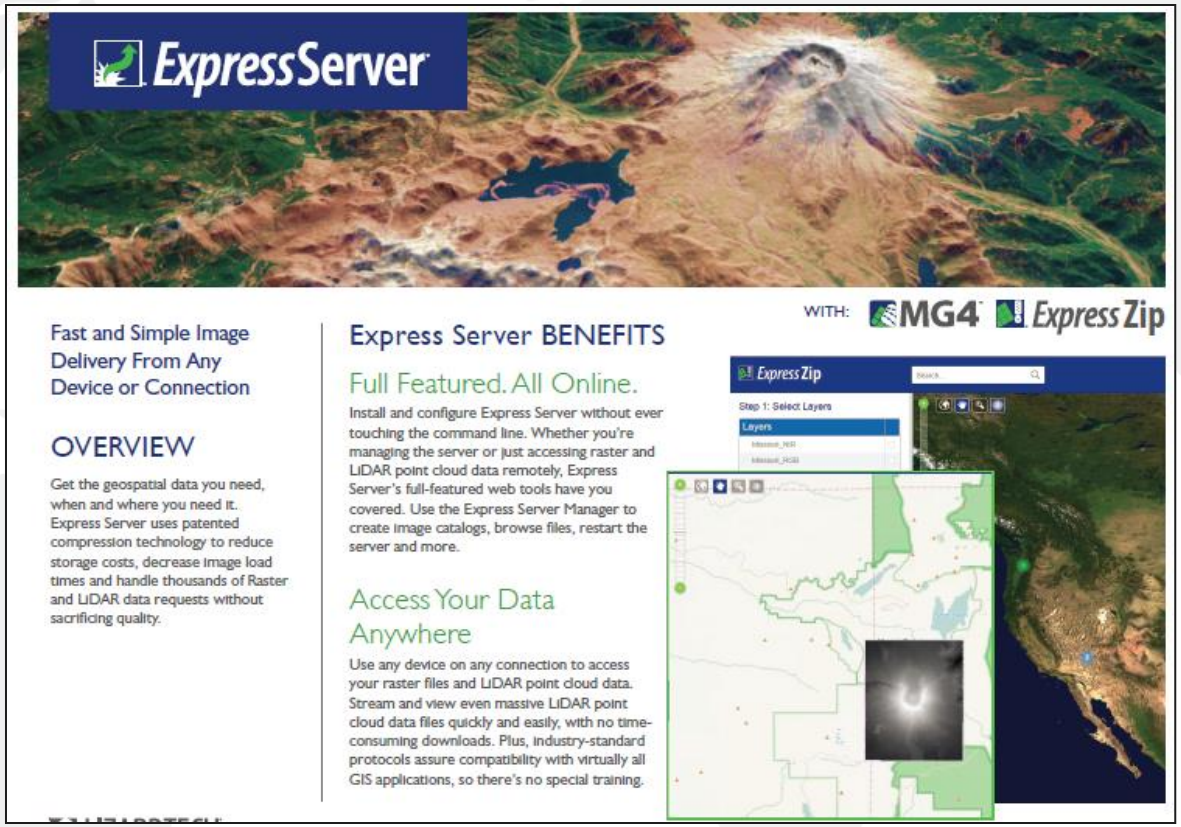
Express Server



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ExpressServer

ExpressZip

Search...

Help | Start Over

Step 3: Configure Export Options

Job details

Format options

Packaging Format

ZIP

Raster

Output format

JPEG

LiDAR

Point Cloud Options

Output format

MrSID

Thinning factor

1.0

DEM Options

Output format

MrSID

Data type

FLOAT32

General LiDAR Options

Minimum Z

Maximum Z

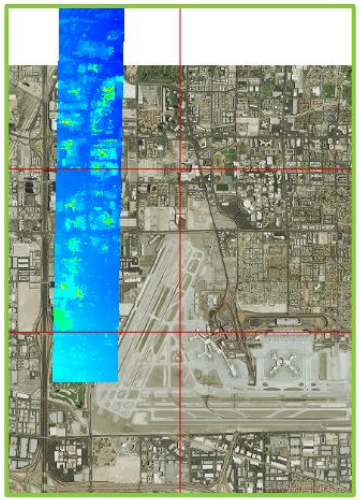
Classifications

ground
low vegetation
unclassified
wire guard

Export resolution

Back | Submit

1 2 3



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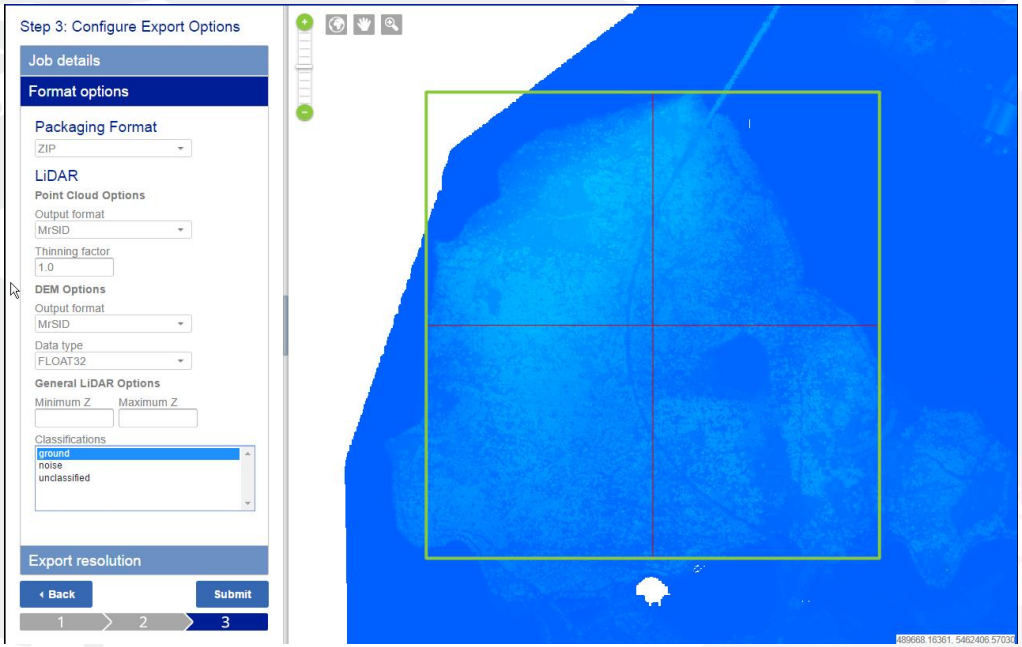

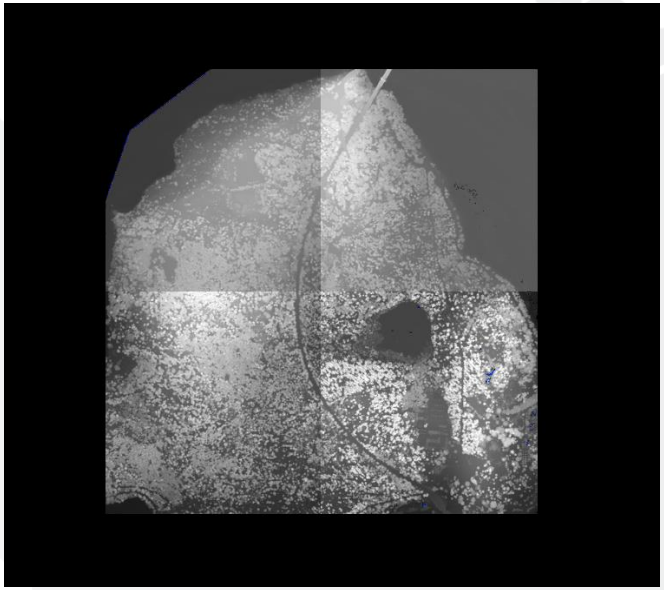

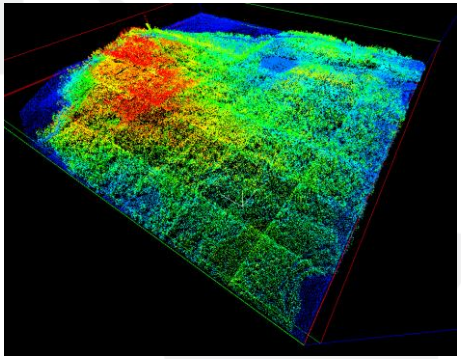

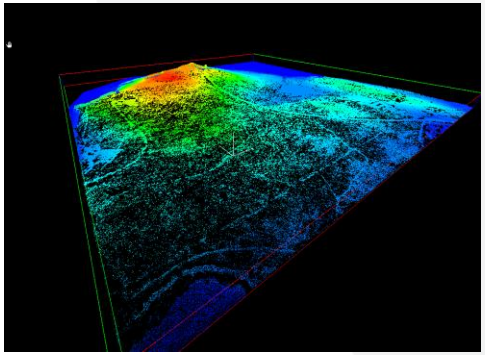

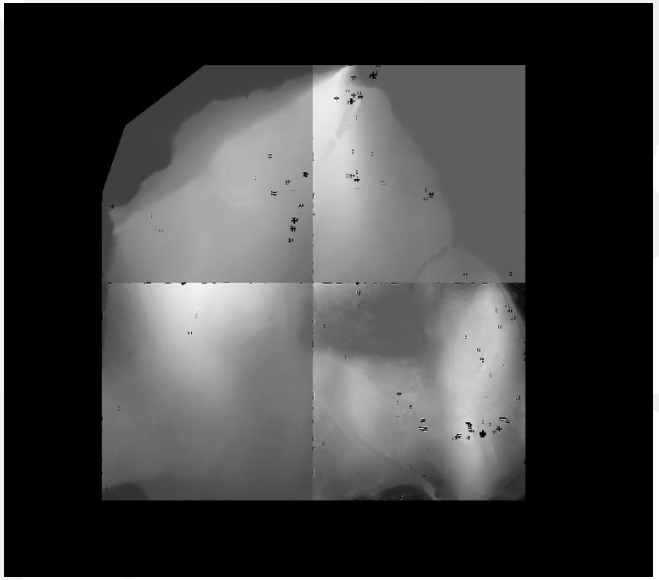

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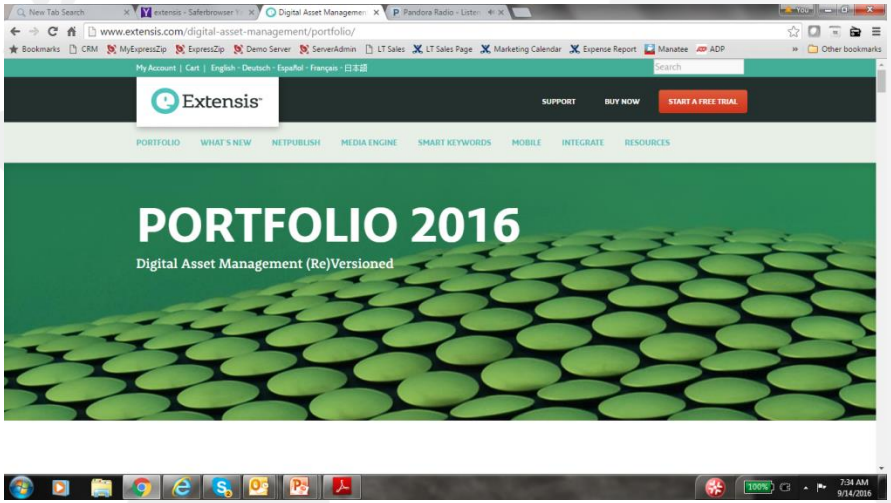
Portfolio

MrSID technology support
360 Video Support



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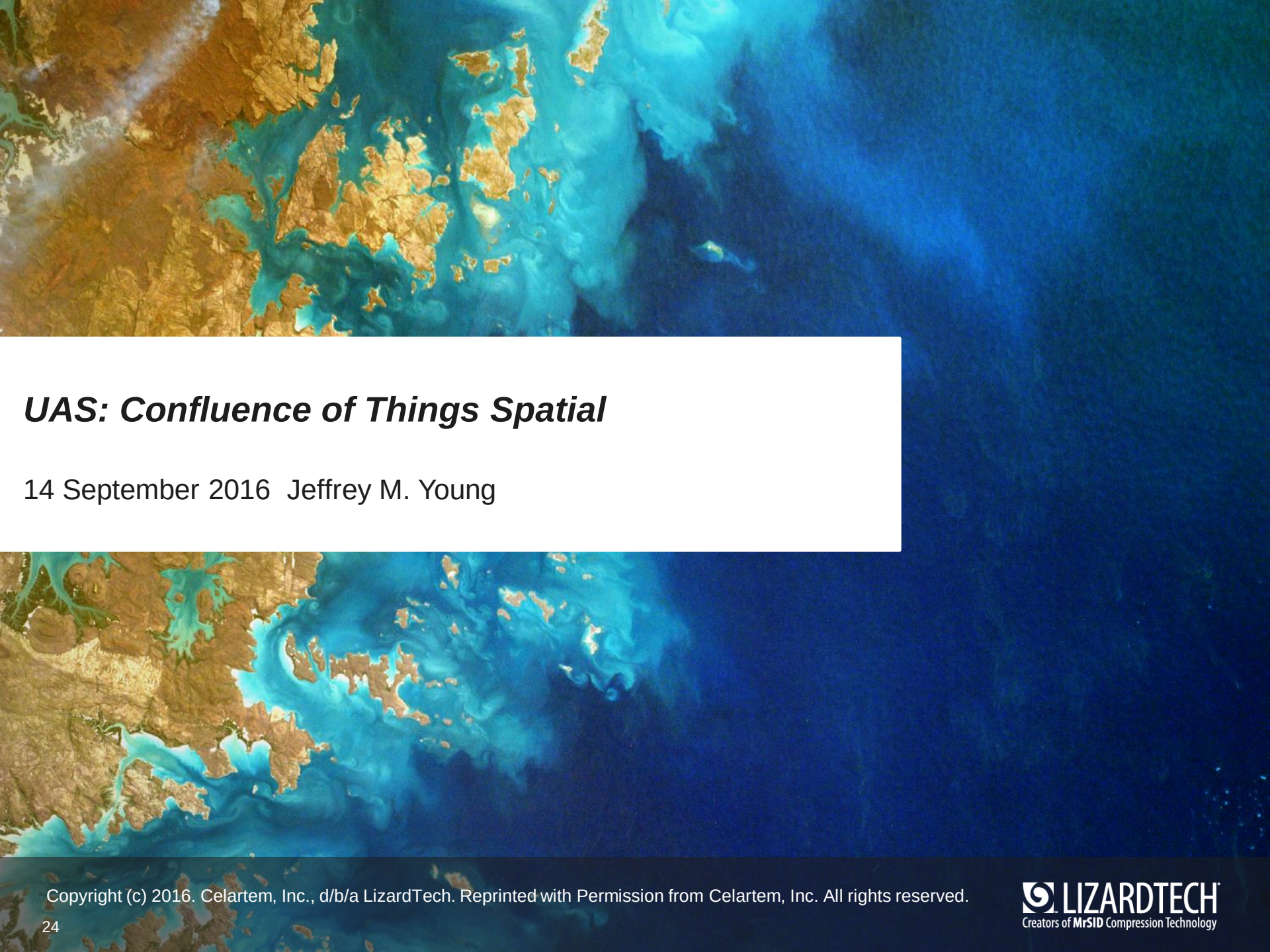

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