Esri Production Mapping – An Introduction

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Workshop Overview

- What is Production Mapping
- Production Mapping Components
  - Workflows
  - Data Production
  - Data Validation
  - Cartography
- Additional Resources
Authoritative Geospatial Content Providers
Teams with a mission to produce accurate content
Production Challenges

- Authoritative Data
- Standards
- Return on Investment

Expectations

Efficiency
Esri Production Mapping
Centralize and standardize enterprise production production

Workflows
The Goal

Ensuring the right work is completed...

...the right way...

...at the right time...

...by the right person
ArcGIS Workflow Manager
Enable and Empower GIS Workflows
Macro versus Micro workflow

- Workflow Manager
  - Call Received
  - Technician Responds
  - Update GIS Data

- Task Assistant Manager
  - Start Editing
  - Set Edit Template
  - Create Feature
  - ...
Task Assistant Manager

- Consistency
- Guidance
- Reduce Time
Demo:
Production Workflows
Data Production
Efficiency

Preconfigured standards and integrated data validation

Faster data collection with less rework
Data Production

Ensuring consistency with centralized rules and increasing efficiency.
What is Feature Manager?

- Editing environment
- Efficient tab system
Editing using Production Mapping

- Composite templates
Editing using Production Mapping

- Composite templates
- On-the-fly validation
Editing using Production Mapping

- Composite templates
- On-the-fly validation
- Attribute management
Editing using Production Mapping

- Composite templates
- On-the-fly validation
- Attribute management
- Feature level metadata
Demo:
Data Production
Data Validation
Quality Matters
The cost of poor quality data can be extreme

People

Money

Reputation
When to perform quality control

- **Before data loading**
  - QC the data in the source prior to loading
- **Receiving data from contractor/co-producer**
  - QC the data upon arrival and notify sender of errors
- **Extracting or editing data**
  - QC edits for accuracy
- **End of production cycle**
ArcGIS Data Reviewer
Support the entire quality control lifecycle

Review → Correct → Verify
Automation

www.esri.com/dataruleviewer
Automation

• Geoprocessing
Automation

- Geoprocessing
- Service
Automation

- Geoprocessing
- Service
- Reviewer Server
Reviewer Table

- Evolve and improve QC processes over time
Demo:
Data Validation
Cartographic Finishing
Cartography Matters
Standard Products Regardless of Author
Product Library

- Multiple maps and multiple users
- Check out/Check in map documents
- Version history maintained
Cartographic reference grids

- Existing grid template files
- Apply grid to different AOIs
- Converging UTM zones
- Stored as features
Symbolize data

- Visual specifications
  - Uses predefined representation rules
  - Symbol ID synced to data
  - Created for individual map products
Layout

- Consistent map documents
- Layout rules
  - Graphic table element
- Data frame rules
Layout

- Consistent map documents
- Surround elements
  - Graphic table element
  - Database element
- Layout window
  - Layout rules
  - Data frame rules
Printing and Exporting

Production PDF map exporter
- Overprinting
- Spot colors
- Tinting
- Color remapping on output
- Save and share PDF export settings
Demo:
Cartographic Finishing
Summary

- Workflows to manage process and people
- Integration and Inspection to ensure quality
- Consistent yet configurable
Resources

• **Product page**  [www.esri.com/productionmapping](http://www.esri.com/productionmapping)
  - 60-day Free Evaluation
  - Customer Success Stories
  - Demos

• **Training**  [www.esri.com/training](http://www.esri.com/training)

• **Production Mapping Resource Center**  

• **Email questions and comments**  [productionmapping@esri.com](mailto:productionmapping@esri.com)
At the Conference

- **Esri Production Mapping – Advanced Cartography**
  - Wednesday, 10:15 AM – 11:30 AM
- **ArcGIS Data Reviewer: An Introduction**
  - Tuesday, 1:30 PM – 2:45 PM
  - Wednesday, 1:30 PM – 2:45 PM
- **ArcGIS Workflow Manager: An Introduction**
  - Wednesday, 8:30 AM – 9:45 AM
  - Thursday, 8:30 AM – 9:45 AM
Thank you…

Please fill out the session evaluation

Offering ID: 1261

Online – www.esri.com/ucsessionsurveys

Paper – pick up and put in drop box