

ArcGIS Data Reviewer Advanced Data Validation

Shankar Chandrasekaran & Francisco Perez



Workshop Agenda

- What is ArcGIS Data Reviewer?
- Quality Assurance A seamless experience
- Streamline Data Collection & Maintenance
- Data Quality tools for Automated Review
- Summary
- Resources



ArcGIS Data Reviewer

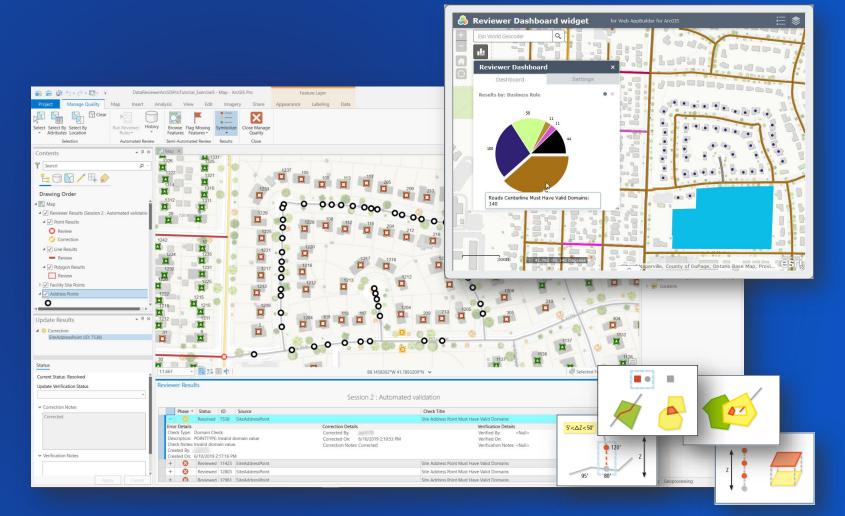
Reduce risk in decision-making

Lower data management costs

Streamline quality control workflows

Implement repeatable processes

Increase transparency



Automate, simplify, standardize and unify workflows to improve data quality

Data quality management

Capabilities of ArcGIS

Geodatabase integrity

- Schema constraints
- Attribute rules
- Versioning

Advanced data types

- Topologies
- Parcel fabric
- Utility network

ArcGIS Data Reviewer

- Automated review
- Semi-automated review
- Error management
- Quality reporting

Quality Assurance - A Seamless Experience

Requirements

Quality Assurance Plan



Requirements

Quality Assurance Plan - Cyclic









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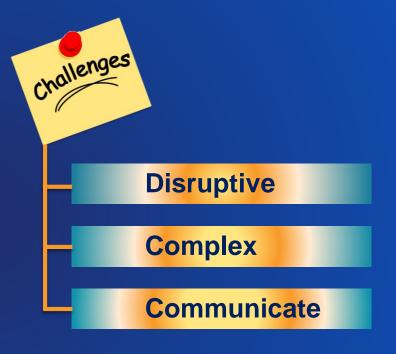
Requirements

Quality Assurance Plan – Change Management



New Business Requirements





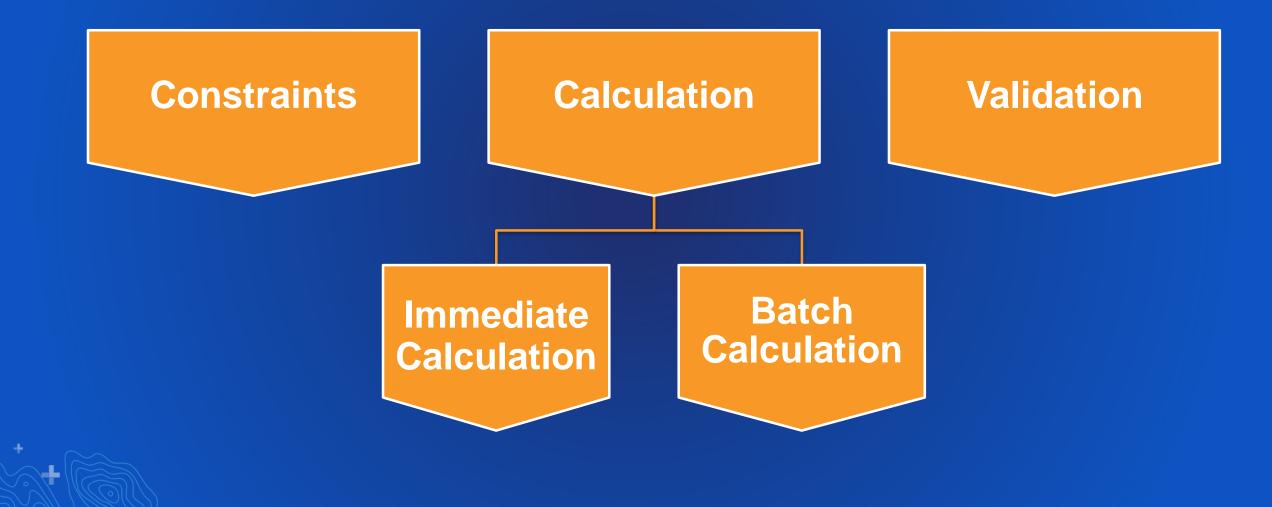
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Attribute Rules - Overview

Quality Assurance with ArcGIS



Attribute Rules - Types



Ready To Use Rules - Overview

Attribute Constraint Rules

Easily Configurable Attribute Rules (no scripting required)

Templated Arcade scripts with parameters



Assess feature's Integrity and geometric properties

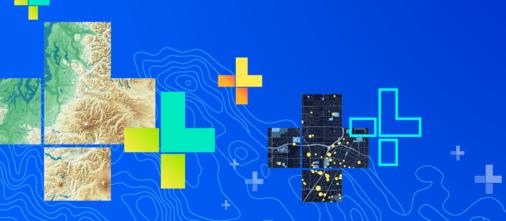


Evaluate Spatial relationship across feature classes



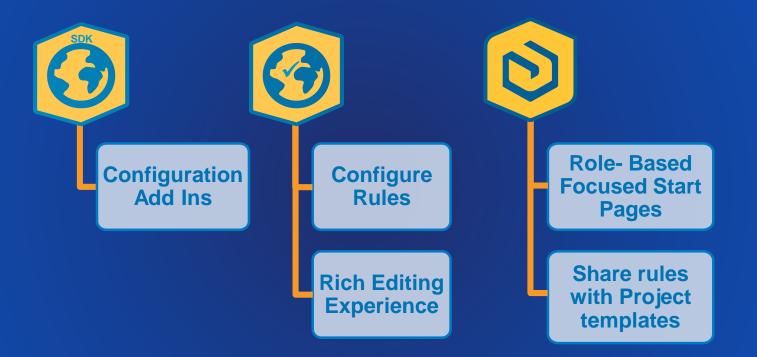
Quality Assurance - Demo

Shankar Chandrasekaran



Key Components

Quality Assurance Plan – ArcGIS System tools



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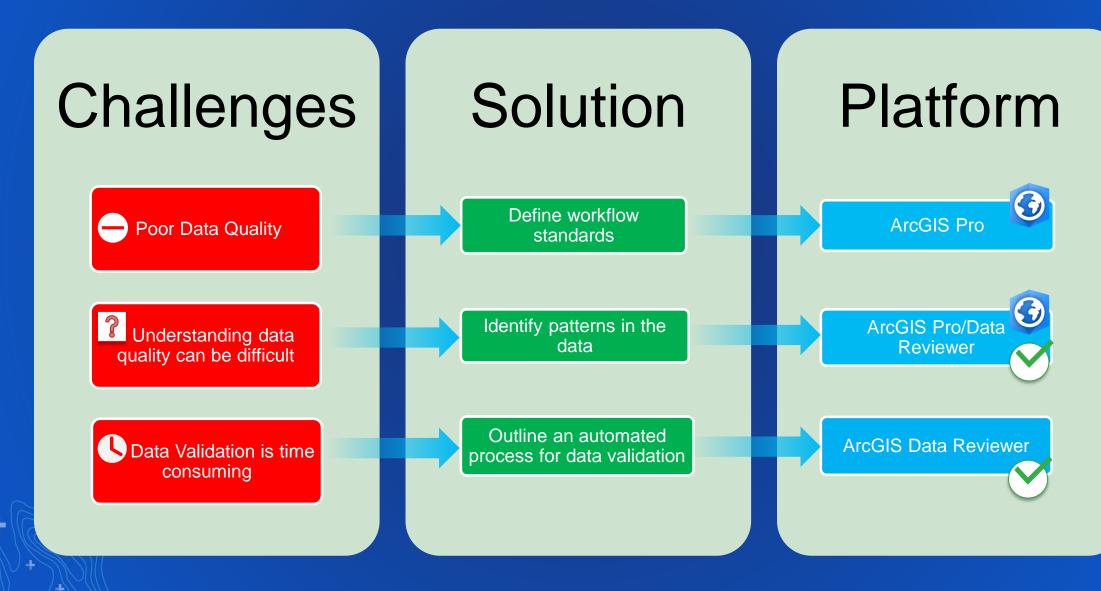
Questions?



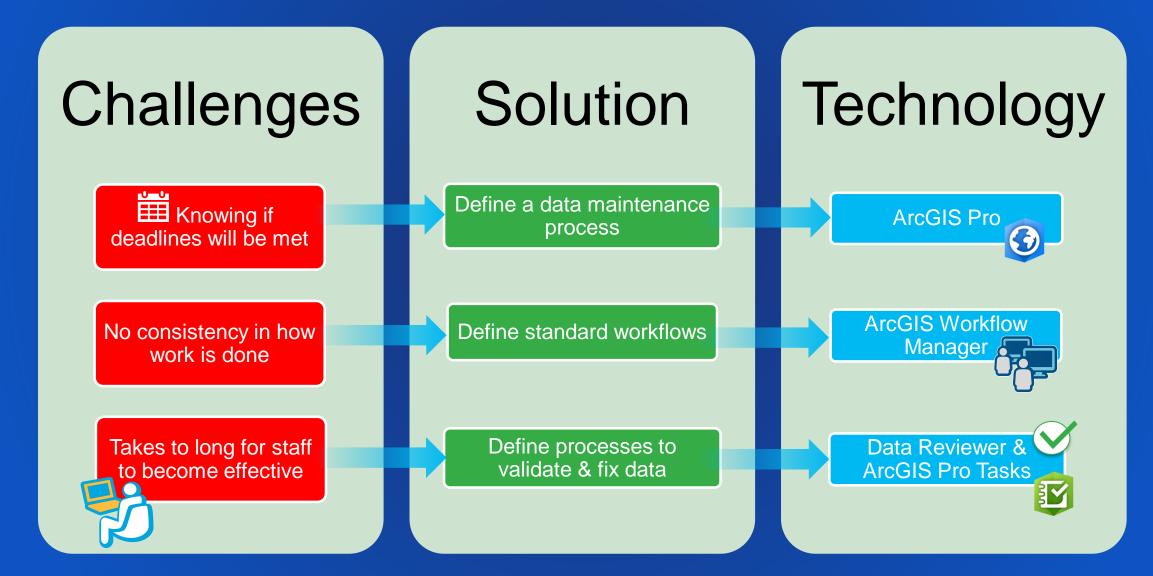
Streamlining Data Collection and Maintenance

Francisco Perez

Streamline Data Collection



Streamline Data Maintenance



Streamline Data Maintenance Demo-QC Framework

Francisco Perez



QC Framework Demo – Key Setups

- 1. WMX-Reviewer Integration (Map Level)
- 2. WMX-Reviewer Integration (Workflow Level)

Browse for Custom Steps		×
Registered Steps		Procedural Step
Registered Custom Steps:		To Reviewer
ArcGISProSteps JTXDesktopSteps		Job Closed
		Address Management
RunReviewerBatchat	5	Create Job Version
		Reviewer
	OK Can	Launch Map
	Re-Assign Job	
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			Monotor	nicity			Mo	notonicity F	Rule	3
			Feature on Feature				New Feature on Feature Rule			3
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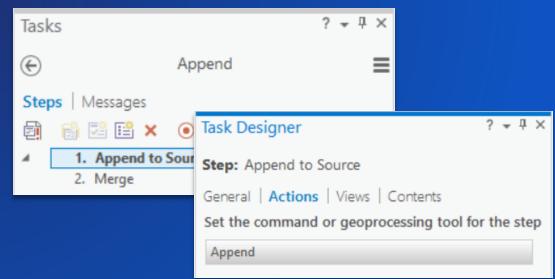
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Project

Map

Export

3. ArcGIS Pro Tasks (Map Level)

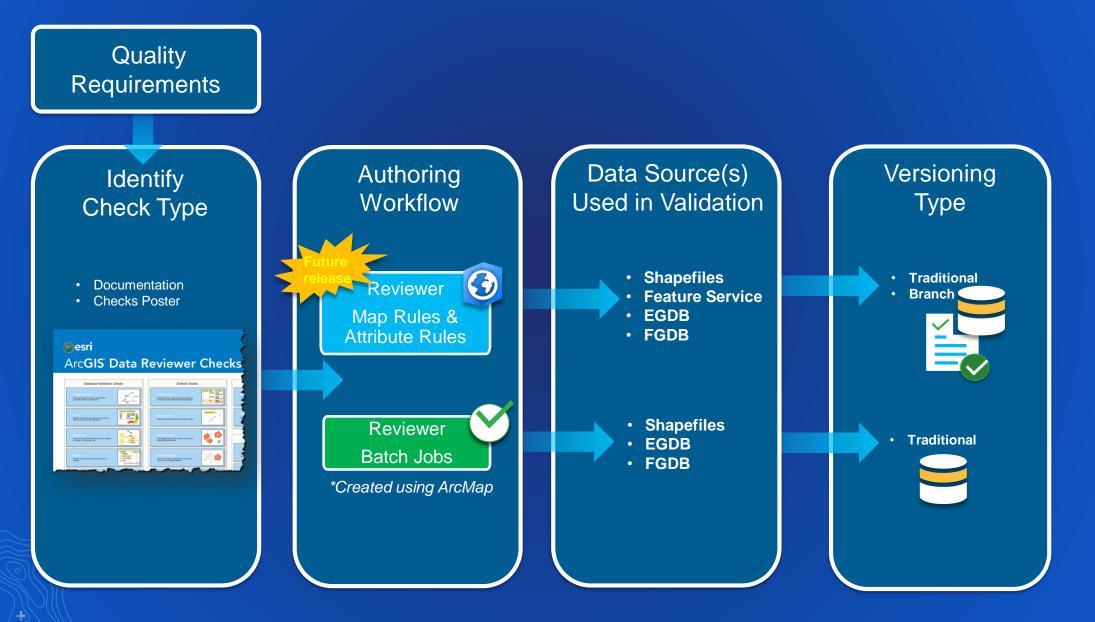




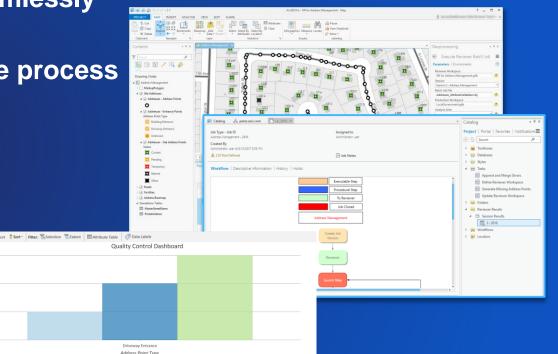
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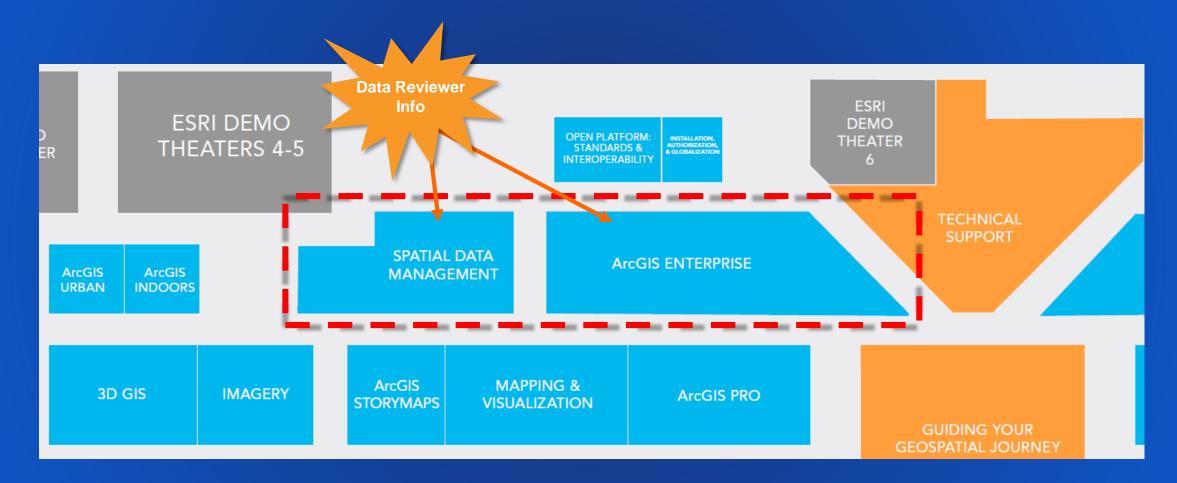
Data Quality Tools for Automated Review



- Manage Changes to Quality Assurance plan seamlessly
- Streamline data collection and data maintenance process
- Data Quality tools for Automated Review



See Us Here



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Product page





Ensure the Quality of Your Data

Whether managing resources for a nation or facility assets for a local community, you want to make sure that your data is free of errors. With ArcGIS Data Reviewer, you can make data quality a component of your overall data management strategy.

"We can now perform consistent QA/QC tasks and keep our data in top shape after we have done the initial time investment."

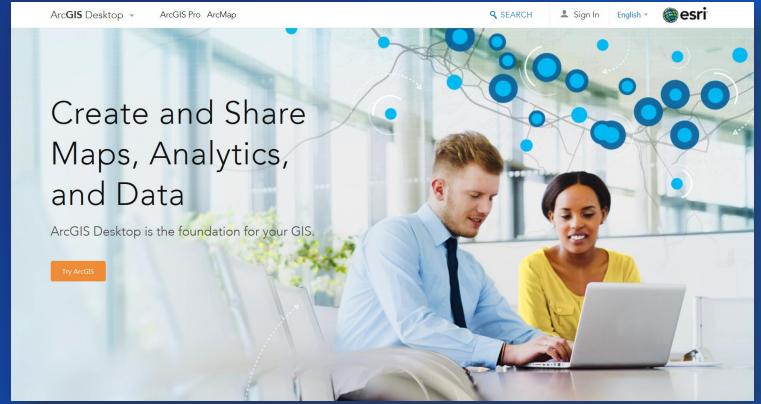
Daniel Hewitt—GIS Specialist, City of Woodland

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Documentation

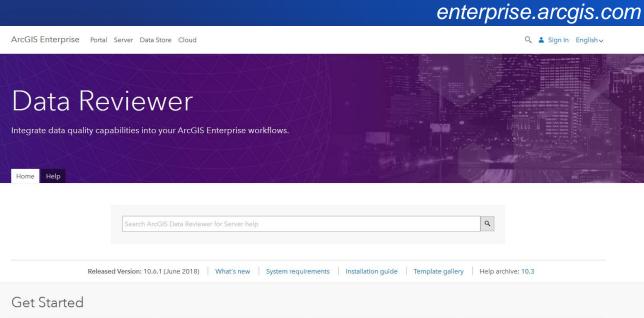
- Desktop

desktop.arcgis.com



Documentation

- Desktop
- Server





Automatically detect errors in your data

ising out-of-the-box validation check



Supplement out-of-the-box validation

checks with simple-to-use visual review



Monitor data health and identify error

trends in quality dashboards. Reduce risk





Interact with ArcGIS Data Reviewer for

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- Documentation
 - Desktop
 - Server
- Training



- Documentation
 - Desktop
 - Server
- Training
- GeoNet Community



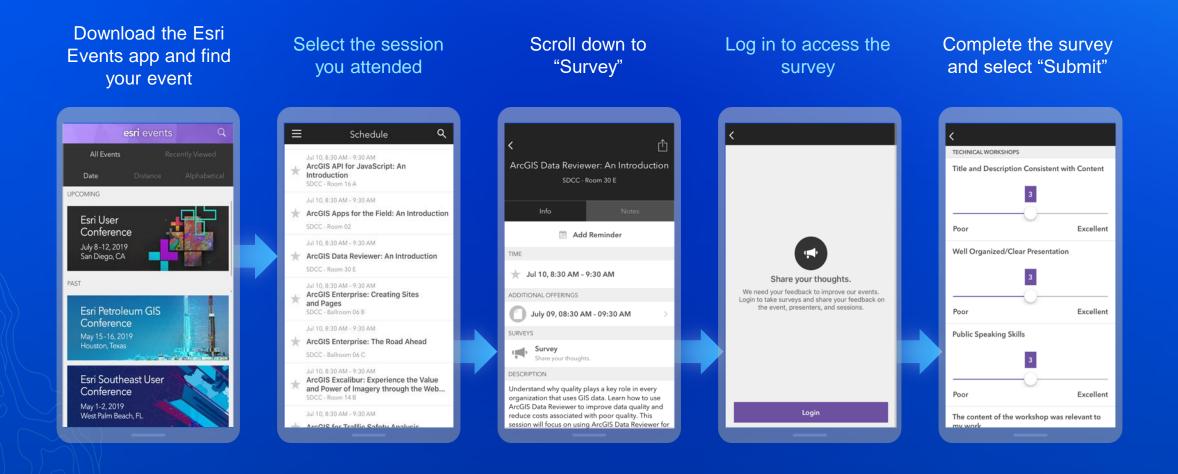
Food for thought as we conclude..

As "GIS - The Science of Where" becomes an integral part of decision making

The accuracy of "WHERE" will foster better decisions in the ever changing world....

_ More to come Adios

Please Share Your Feedback in the App





Questions?

