



Solano County ReGIS Meeting

## Meeting Minutes – February 16, 2022

---

Stew called to order the regular meeting at 9:03 am on February 16, 2022 via MS Teams.

### I. Introductions

The following persons were present: Nellie Dimalanta, Stewart Bruce, Stephanie Baker, Jasmin Acuna, Bao Nguyen, Jordan Santos, Donald Hildebrandt, Jorge Giocochea, Chris Ambrose, Alex Lacson, Curt Corbett, Kathrina Gregana, Brent Rosenwald, Travis Kroger, Danny Fortson

### II. Approval of Meeting Minutes and New Business

- A. January Meeting Minutes - No additional comments were brought up and approved by Stew.
- B. Top 10 Bike Trails for Suisun City – Nellie would like to assist with providing Suisun City data layers. Soft launch has not been announced by STA yet but will soon. Benicia provided all their Park & Recreation data to OuterSpatial. Fairfield's P&R needs more communication from SLT/STA, Jasmin and Kathrina will continue to have an open dialogue for better results.
- C. Fairfield has sent out an RFQ for the GIS Strategic Plan and is in the process of selecting candidates.
- D. CAD-GIS connection – Nellie is having an issue with connecting to GIS SDE data. Curt recommended looking into ArcGIS for AutoCAD toolbar. Newer 2022 version of AutoCAD has been released and may work better.

### III. Discussion:

- A. Solano County website - now online and accessible. Agenda and minutes will no longer be emailed but accessed via the website.
- B. Aerial Imagery: flyover is currently going on, if interested contact Stew for tracking the flight.
- C. Data Quality/Data Architecture – document sent out to the group for review and comments, open discussion at the next meeting.
- D. Metadata Standards – no standards but would like the group to comment and/or discuss at the next meeting.
- E. Lightning Talk – looking for volunteers for March, Jasmin will have a presentation for April's ReGIS meeting.
- F. Executive team is looking for a chair... Stew nominated himself as the new chair with Daniel Machado as co-Chair, unanimous approval by the group. **Welcome to the Exec Team, Daniel!!** January 2023 is scheduled for another election.
- G. Request by the executive team for members to volunteer as a meeting facilitator. Agenda and meeting minutes will still be handled by Nellie and forwarded at least a week in advance. Danny Fortson volunteered to facilitate March meeting. **Thanks, Danny!!**

#### IV. Action Items

- A. ReGIS members – send your agency logos and URL to GIS webpages for the website. Also email Stew the recipient of the 4.6tb data from Sanborn.
- B. Nellie – reach out to Donald, Kathrina, Rowland Roberts, CC Daniel Machado about STA-SLT Trails Project and how the agency can assist.

#### V. Adjournment

Meeting was adjourned by Stew at 10:00am. Next meeting will be 9:00am March 16, 2022.

My definition is that geo-enlightenment is  
understanding the interconnectedness of things.

**Jack Dangermond**

### Objective

The intent and goal of this policy is to define the process under which data quality is evaluated, measured, and reported for each GIS dataset maintained on the GIS Portal at <https://solanocountygis.com/portal>.

This policy impacts all data produced, or acquired through contracted services, by the Solano County DoIT GIS Team, those GIS datasets produced by other Solano County departments, GIS datasets shared with the county by Regional GIS Consortium partners, and all third-party GIS data sources such as private sources, non-REGIS local governments, state and/or Federal agencies.

### Controls

In addition to this overriding policy, each dataset will have an individual control document with the dataset specific data quality measures included. An appendix shall be attached to this policy detailing where these control documents are. Each GIS dataset will have metadata, enabled through the appropriate ESRI metadata in both the Portal item description as well as embedded with the actual dataset, that shall also provide a short data quality statement. The dataset control document shall record the history of any data quality improvements identified from the initial data quality review; and record when these improvements have been accomplished.

### Decision Rights

The data steward of each GIS dataset shall have the ultimate right and authority to improve the data quality of any dataset shared on the Portal. The Solano County DoIT GIS Team has the right to add a data quality statement to any dataset published on the Portal based on our internal data quality review regardless of the data steward. Any data quality issues noted on the dataset shall be shared with the data steward who shall be encouraged to correct them.

### Inputs

The Solano County DoIT GIS team, or a designated contractor, shall be required to develop the dataset control document and perform a data quality analysis with each data delivery.

### Activities

These are the specific minimum data quality areas that shall be evaluated, and part of the data quality information contained in the metadata.

#### a. Topology

All polygons and lines shall have their topology validated and a summary report provided. For polygons, the topology validation should check for overlapping features and for any gaps in the data. The validation should be done at the default ESRI spatial tolerance. Lines shall also be checked for dangling nodes as well as overlaps. Points shall be analyzed to identify any duplicate or multiple points at the same coordinate location.

b. Attributes

A listing of each attribute column heading and what that attribute column means shall be created and attached with the metadata. If aliases are used, they should be identified. If there are coded attributes, then a list of what each code means is also required. An analysis of the attributes for inconsistencies, such as an attribute that means the same thing being spelled in different ways, or individual features that do not have attributes at all shall also be identified. If external data is joined to the spatial features, then an analysis of any external attributes that do not have a correlated feature shall also be conducted.

The data quality analysis should also examine the accuracy of external attribute data sources that are joined to the spatial features.

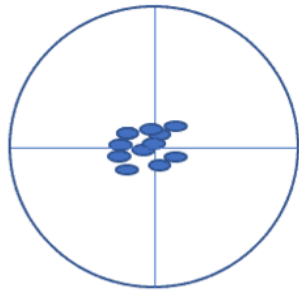
c. Precision, accuracy, and scale

Data shall be evaluated for precision and accuracy. For each dataset the scale at which the data was collected and intended for use at should be clearly identified. For example, planimetric data collected using the county high resolution aerial imagery was not collected at the same scale as US EPA hydrology data. Therefore, how each dataset aligns with the county aerial imagery shall vary.

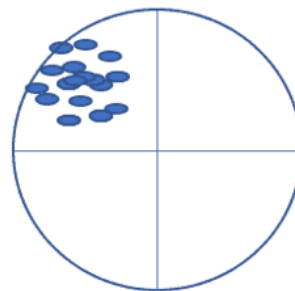
Each dataset control document shall outline in detail how to evaluate for this category.

The figure below shows how these may vary with any given dataset,

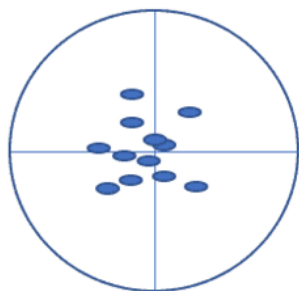
**A: precise and accurate**



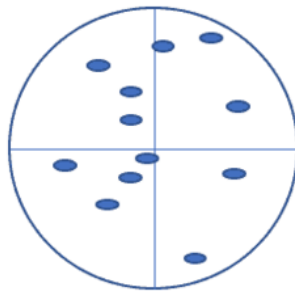
**B: precise but not accurate**



**C: Not precise but accurate**



**D: Not precise and not accurate**



## d. Age of data

The collection date shall be analyzed and reported. If any dataset is more than one year old, then the dataset control document should address this age issue with plans to refresh the data.

The dataset control document shall also document the update frequency. For example, parcels are updated every month.

Performance Metrics

Performance metrics shall be clearly identified in each dataset control document along with the procedure to be used to validate and report these metrics.

RACI

	<b>Roles</b>	<b>Chief Technology Officer</b>	<b>Regional GIS Senior Manager</b>	<b>GIS Manager</b>	<b>GIS Analysts</b>	<b>Contractors</b>	<b>SC Departments</b>	<b>REGIS Partners</b>	<b>External Data Sources</b>
<b>Tasks</b>	<b>Status</b>	<b>Sponsor</b>		<b>Project Team</b>			<b>Other Resources</b>		
Approve Governance Policy		R	A	C				C, I	
Develop Governance Policy		C	A, R	R	C			C, I	
Approve Control Documents			R				I	I	
Develop Control Documents			R	A, R	R	R, C	I		
Conduct Data Quality Analysis			I	A	R				
Share Data Quality Concerns			C, I	A			I	I	I
Data Quality - Metadata			I	A	R	R			

R = Responsible, A = Accountable, C = Consulted, I = Informed