Solano County ReGIS

Meeting Agenda

Location: Virtual Microsoft Teams Meeting
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Date: May 18, 2022
Time: 9:00am ~ 10:00am PST
Facilitator: Jasmin Acuna

1. Introductions (5 mins)

2. Approval of April 20 meeting minutes, and New Business (10 mins)
   a. Open floor

3. Discussion (40 mins)
   a. Presentation on ESRI Mobile App for the Glassy-winged Sharpshooter by KCI (25 mins)
   b. Broadband update – Stew (5 mins)
   c. Lidar Workgroup – request for volunteers (5 mins)
   d. Executive Team (5 mins)

4. Action Items (5 min)
   a.
   b.
   c.

Principal Organization Contact:

Sandy Ayala	Benicia	Stewart Bruce	Solano County
Jordan Santos	Dixon	Robert Guerrero	STA
Jasmin Acuna	Fairfield	Kathrina Gregana	STA
Nellie Dimalanta	FSSD	Rowland Roberts	Suisun City
Jeffrey Lum	LAFCO	Dan Mattheis	Travis AFB
Robin Borre	Rio Vista	Curt Corbett	Vacaville
Justin Pascual	SCWA	Alex Lacson	Vallejo
Bao Nguyen	SID	Mariah Henderson	Vallejo Wastewater

Solano County ReGIS Meeting

Meeting Minutes – April 20, 2022

Nellie called to order the regular meeting at 9:03 am on April 20, 2022 via MS Teams.

I.   Introductions

The following persons were present: Nellie Dimalanta, Stewart Bruce, Stephanie Baker, Jasmin Acuna, Gregory Thomas (Jasmin's instructor), Bao Nguyen, Jordan Santos, Chris Ambrose, Alex Lacson, Curt Corbett, Kathrina Gregana, Travis Kroger, Danny Fortson, Rowland Roberts, Savita Chaudhary, Aaron Norman, Jorge Goicochea, Justin Pascual, Daniel Machado, Matthew Hardy.

II.   Approval of Meeting Minutes and New Business

A. April Meeting Minutes – Stew complimented Nellie on how well the meeting minutes is put together.

B. Stew – The County is selecting a consultant by the end of May for the development of its broadband project. Funding approx. $17m, with more funding to support other broadband-related projects. Stew will be reaching out to ReGIS members for GIS layers soon. Vacaville hired Magellan for its broadband project and is currently ongoing. Fairfield used Magellan for its broadband project and is completed. Vallejo already has something in place as well, more funding on the horizon. The County will take into consideration what is available at other agencies in its overall strategic plan. Digital equity – one of Stew's goals is to be able to identify communities of people in the County who are not aware of broadband resources.

   ADDITIONAL RESOURCES:

   Daily Republic Article on Fairfield's Broadband Project, City of Vacaville's Broadband Master Plan (website)

C. FF – chose GTG as its consultant for its master GIS plan, currently under contract negotiations.

III.   Discussion:

A. Jasmin – Developing a Geospatial File Linking Application to Improve Data Communication Workflows presentation (recording).

   i. Takeaways – several benefits came about after the launch of this app: an increased interdepartmental awareness of data/responsibilities, mobile and user-friendliness

kept staff engaged and more accepting of the technology, and improved data governance, aligning with county-wide data themes.

B. [Data Architecture](recording) – Stew shared Data Themes structure conceptualized from NSDI (National Spatial Data Infrastructure) and expanded to meet the County needs.

    i. Using Cal State Plane Zone II (2011), reviewing to the latest [NAVD 2022](website), soon to be released.

    ii. Data Theme Index – County looking for input from members, goal is to formalize it soon. FF is working on its data theme categories and asking if the County can export the theme... to be determined in ArcPro. This data theme will be presented in a data policy document on Data Architecture, welcoming feedback!

C. Stew – so far, the team members for GIS Training are Jasmin, Daniel Machado and Stew, open to more members! The team developed a GIS Training Pyramid, see attached.

IV. Action Items

A. ReGIS members list – Nellie will send out the current member list, for review by members.
B. ReGIS members – review the Data Theme Index.xlsx and contact Stew for comments.
C. GIS Training workgroup is looking for more members – volunteerism is a great thing!
D. Lightning talk – KCI for Solano County Agriculture Dept. about the Glassy-winged Sharpshooter bug.

V. Adjournment

Kudos to Jasmin for a highly informative presentation! As always, thank you Stew for keeping ReGIS up to date with all the projects the County has in progress and goals for the near and long term.

Meeting was adjourned by Nellie at 10:02am. Next meeting will be Wednesday 9:00am May 18, 2022, with Jasmin as the facilitator.
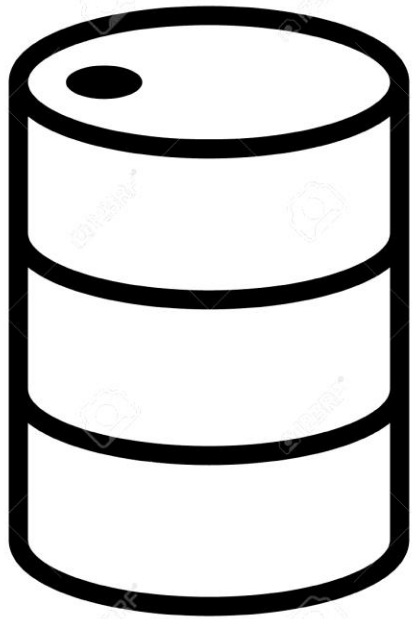
Data Architecture

Vector Data Themes

Data Themes

- 47 data themes for Solano County
  - Based on National Spatial Data Infrastructure (NSDI) Federal data themes but expanded to include county data needs.
  - Refer to data theme index spreadsheet

Primary Category Group	Subgroup	Pilot	Description
Data Theme	Address	x	Address points, landmarks
Data Theme	Biodiversity_Vegetation		Any data related to vegetation such as woodland, crop types, or any other plant related data.
Data Theme	Biodiversity_Wildlife		Any data related to animals whether fish, mammals, or birds.
Data Theme	Boundaries_City		These are for internal divisions within a city such as council seats, special districts. This is not for the actual city boundary.
Data Theme	Boundaries_County	x	This is for the actual county boundary, BOS districts, and voting precincts.
Data Theme	Boundaries_Education		This is for school districts and community college districts
Data Theme	Boundaries_Federal		Most federal sourced boundary data such as congressional or senate boundaries for example. Areas like Sacramento-San Joaquin Delta National Heritage Area would be included. Census boundaries and census data is located in the population distribution theme.
Data Theme	Boundaries_LAFCO	x	Any boundary layer where LAFCO is the agency responsible for approving any changes such as city boundaries, cemetery districts, levee districts, fire districts, fire protection districts, GVRD, Resource Conservation districts, reclamation districts, sanitation districts, sphere of influence, and water districts
Data Theme	Boundaries_State		Any State of California district such as political (assembly and senate), air districts, etc.

How will this be used?

All data published to PostgreSQL database located on GIS Azure environment.
47 feature datasets set to county standard projection

Data published to Portal as referenced data as map images and feature services tagged with data theme category.

Data searchable by data theme within ArcGIS Pro or within Portal for web map creation.

Assigning additional categories

- Each dataset will have a primary data theme classification category
- Additional categories can be assigned. For example, the water utility data from City of Vacaville would be primary classified as Utilities_Water within the data framework. But once loaded into Portal, a secondary classification for City of Vacaville would also be assigned.
- Tags will also be assigned.
- Data on Portal may be sorted by groups, but groups will not be the overriding organizational tool. Groups only used when data is restricted to a certain group.

Catalog

Project **Portal** Favorites

My Organization

Search My Organization

Close ✕

Categories   Clear

▼ ◉ Data Theme
  ○ Address
  ▲ ○ Biodiversity
    ○ Vegetation
    ○ Wildlife
  ▲ ○ Boundaries
    ○ City
    ○ County
    ○ Education
    ○ Federal
    ○ LAFCO
    ○ State
  ○ Buildings and Facilities
  ○ Cadastral
  ○ Climate
  ○ Cultural Resources
  ▲ ○ Elevation
    ○ Bathymetric
    ○ Terrestrial
  ▷ ○ Emergency
  ○ Geodetic Control
  ▷ ○ Geology and Soils
  ○ Imagery
  ○ Land Cover and Land Use
  ▷ ○ Planning
  ○ Population Distribution
  ○ Public Health
  ○ Recreation
  ▷ ○ Transportation
  ▷ ○ Utilities - Physical Infrastr
  ▷ ○ Water
▷ ○ Trending
○ Portal Tools
▷ ○ Solano County Departments
▲ ○ REGIS Partners
  ○ City of Benicia
  ○ City of Dixon
  ○ City of Fairfield
  ○ City of Rio Vista

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Boundaries 2021
Boundaries 2021

Catalog

Project **Portal** Favorites

My Organization

Search My Organization

Category: Imagery ✕

🔲 Aerial2021
🔴 Aerial Imagery Grid
🟨 Aerial Imagery Grid
🔲 Aerial2019 CA State Plane Zone 2 Feet
🔲 Aerial2008 WGS84 Web Mercator
🔲 Aerial2008 CA State Plane Zone 2 Feet
🔲 Aerial2017 WGS84 Web Mercator
🔲 Aerial2017 CA State Plane Zone 2 Feet
🔲 Aerial2015 CA State Plane Zone 2 Feet
🔲 Aerial2015 WGS84 Web Mercator
🔲 Aerial2004 CA State Plane Zone 2 Feet
🔲 Aerial2004 WGS84 Web Mercator
🔲 Aerial2019 WGS84 Web Mercator

Home   Gallery   Map   Scene   Groups   Content   Organization

Stewart Bruce
SBruce@SolanoCounty.c...

Content

My Content   My Favorites   My Groups   My Organization   Living Atlas

Q Search My Organization

Grid   Date Modified   Filter

Filters

1 selected   Clear selection

Categorize   Change Owner   Delete

Categories   Clear

Climate (1)
Cultural Resources
Elevation (2)
Emergency
Geodetic Control
Geology and Soils
• Imagery (13)
Land Cover and Land Use (2)
Planning
Population Distribution (9)
Public Health
Recreation

Aerial2021
by solanoadmin
Created: Nov 10, 2021
Updated: Nov 10, 2021
View Count: 48

Aerial Imagery Grid
by solanoadmin
Created: Oct 8, 2021
Updated: Oct 8, 2021
View Count: 3

Aerial Imagery Grid
by solanoadmin
Created: Oct 8, 2021
Updated: Oct 8, 2021
View Count: 1

Aerial2019 CA State Plane Zone ...
by solanoadmin
Created: Sep 28, 2021
Updated: Sep 28, 2021
View Count: 19

Item type

Maps
Layers
Scenes
Apps
Tools
Files
Insights
Data Stores

Aerial2008 WGS84 Web Mercator
by solanoadmin
Created: Sep 23, 2021
Updated: Sep 28, 2021
View Count: 7,053

Aerial2008 CA State Plane Zone ...
by solanoadmin
Created: Sep 23, 2021
Updated: Sep 28, 2021
View Count: 2

Aerial2017 WGS84 Web Mercator
by solanoadmin
Created: Sep 24, 2021
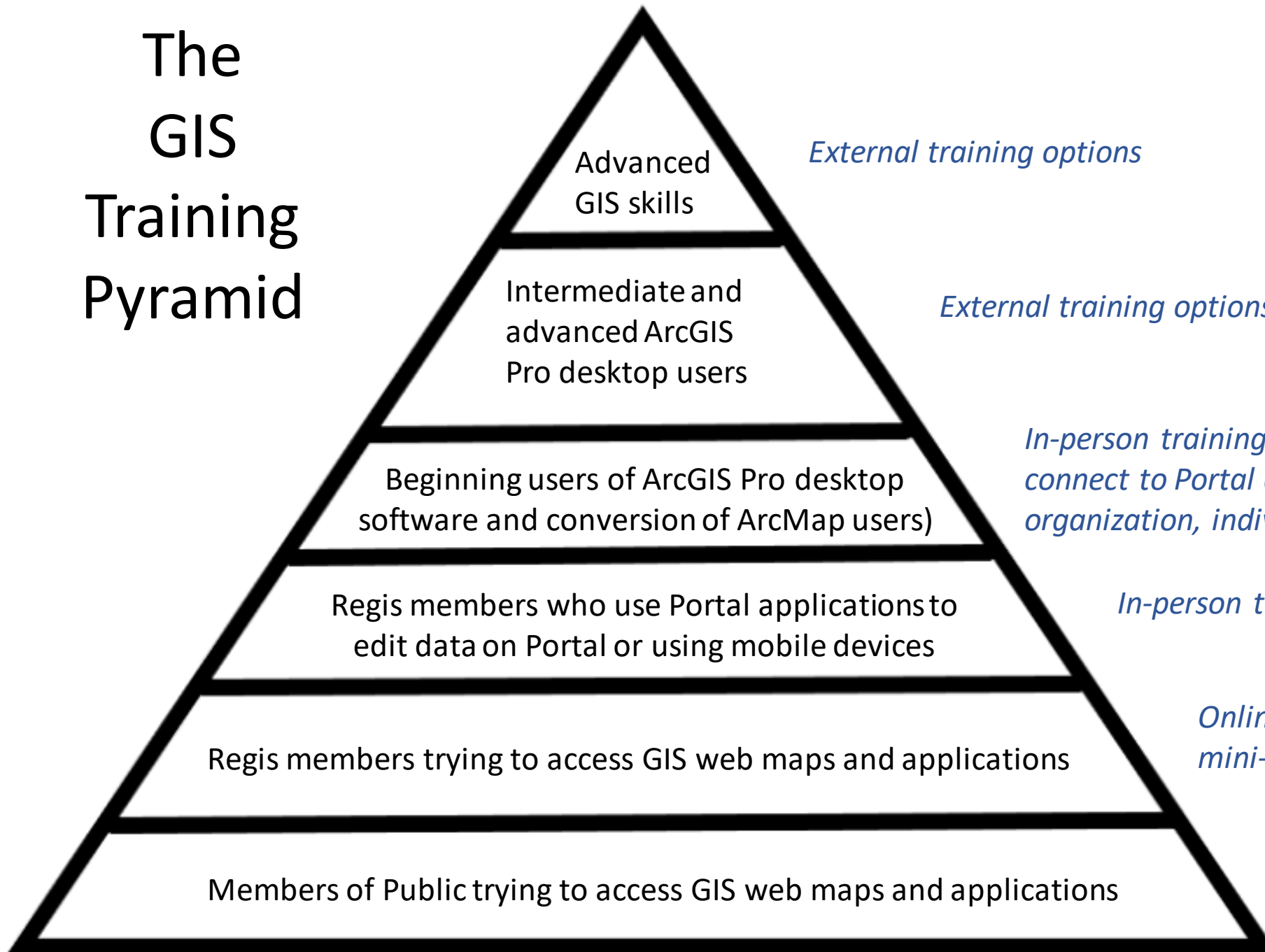Updated: Sep 28, 2021
View Count: 7,672

Aerial2017 CA State Plane Zone ...
by solanoadmin
Created: Sep 24, 2021
Updated: Sep 28, 2021
View Count: 5

> Location

> Date modified

Feedback

Primary Category Group	Subgroup	Pilot	Description
Data Theme	Address	x	Address points, landmarks
Data Theme	Biodiversity_Vegetation		Any data related to vegetation such as woodland, crop types, or any other plant related data.
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Data Theme	Boundaries_LAFCO	x	Any boundary layer where LAFCO is the agency responsible for approving any changes such as city boundaries, cemetery districts, levee districts, fire districts, fire protection districts, GVRD, Resource Conservation districts, reclamation districts, sanitation districts, sphere of influence, and water districts
Data Theme	Boundaries_State		Any State of California district such as political (assembly and senate), air districts, etc.
Data Theme	Buildings_Facilities	x	building outlines, detailed layers relating to trailer parks, apartment complexes, educational facilities, fire stations, police stations, hospitals, etc.
Data Theme	Cadastral	x	parcels, tax maps, condos, mobile homes, mineral rights (anything with an APN associated with the feature), land surveys, deeds
Data Theme	Climate		climate related features such as historical rainfall or temperature data for example.
Data Theme	Cultural_Resources		historical sites, national register, archeological
Data Theme	Elevation_Bathymetric		depth data
Data Theme	Elevation_Terrestrial		elevation data, contours, point clouds
Data Theme	Emergency_Dispatch		PSAP, ESN, ESZ, EMS, basically layers unique to dispatch but not covered by another category.
Data Theme	Emergency_Earthquake		fault lines, historic earthquake locations
Data Theme	Emergency_Flood		floodplain, levees
Data Theme	Emergency_OES		layers unique to OES that are in the EOC AGL environment
Data Theme	Emergency_Wildfire		Historic fire data, damaged properties, wildfire risk zones
Data Theme	Geodetic_Control		survey points
Data Theme	Geology and Soils_Geology		geologic data
Data Theme	Geology and Soils_Soils		soils related data
Data Theme	Imagery		Imagery grids and indexes (no actual image files are to be stored here)
Data Theme	LandCover_LandUse		land use or land cover data

Data Theme	Planning_General Plans		General plan data from the cities, county or other governmental groups such as STA
Data Theme	Planning_Special Plans		any special plan data unique to a specific plan such as Pleasants Valley for example
Data Theme	Planning_Zoning		Zoning data from cities and county
Data Theme	Population_Distribution		These would be census tracts and blocks with associated data and tables
Data Theme	Public_Health		Any data associated with public health whether from cities, county, state, or Federal sources.
Data Theme	Recreation		government parks, trails, designated open space, wildlife reserves, golf courses, private parks, athletic fields, boat launches, theme parks
Data Theme	Transportation_Airport		Any airport related data such as airport paved surfaces for example. But this could also include airport restriction zones, etc.
Data Theme	Transportation_Inland_Waterways		Any data on waterways used for navigation such as nav buoys channel data, etc.
Data Theme	Transportation_Parking		Any data on parking such as parking lots derived from aerial imagery
Data Theme	Transportation_Rail		Any railroad related data such as rail lines, stations, etc.
Data Theme	Transportation_Road	x	Any road data such as road centerlines, edge of pavement, etc. Not to include data used by Public Works related to roads if data is actively edited by Portal applications.
Data Theme	Transportation_Transit		Bus routes, bus stops, toll booths, and data related to public transportation that is not rail or air.
Data Theme	Utilities_Irrigation		Any non-potable water utility data such as from SID, recycle water, RNVWD, etc.
Data Theme	Utilities_Natural Gas and Oil		any oil of gas data such as transmission lines, natural gas pumping locations, refineries, etc.
Data Theme	Utilities_Renewable Energy		solar farms, windmills, hydro electric dams. These could include buildings with known solar panels on them as a subset of the building outline data.
Data Theme	Utilities_Sewer		Any municipal or private sewer infrastructure data, pumping stations, treatment plants septic systems, raw sewage drops, manure lagoons used for agriculture purposes.
Data Theme	Utilities_Stormwater		Any stormwater utility data including stormwater retention ponds, pumping stations. This would include other drainage features such as roadside ditches
Data Theme	Utilities_Telecommunications		radio towers, fiber lines, cell towers, etc.
Data Theme	Utilities_Water		Any public or private water utility data. Wells would be included. Exception would be intake or outtake data related to irrigation of farmland.
Data Theme	Water_Hydrography		any local, state, or federal data related to hydrography with an emphasis on natural features
Data Theme	Water_Watershed Boundaries		Watershed boundaries from any source
Primary Category Group	**Subgroup**	**Pilot**	**Description**

The
GIS
Training
Pyramid

Solano **Regional GIS** Consortium

Advanced GIS skills — *External training options*

Intermediate and advanced ArcGIS Pro desktop users — *External training options, individual mentoring*

Beginning users of ArcGIS Pro desktop software and conversion of ArcMap users) — *In-person training, operational manuals on how to connect to Portal data and project data organization, individual mentoring*

Regis members who use Portal applications to edit data on Portal or using mobile devices — *In-person training, operational manuals*

Regis members trying to access GIS web maps and applications — *Online videos, fact sheets, and mini-workshops made available*

Members of Public trying to access GIS web maps and applications — *Online videos and fact sheets*