

# Louisiana Geographic Information Systems Council

## Digital Data Committee

Meeting of March 17, 2022  
Capitol View Room, 5th Floor, State Library of Louisiana  
701 N 4th St, Baton Rouge, LA 70802

### Attendance

#### Committee Members Present:

Jason Carr (for Daryl Mack) – Department of Transportation and Development (DOTD)  
David Gisclair – Louisiana Senate (Senate)  
Joshua Manning – Louisiana Planning and Development Districts (PDD)  
Kathrine Cargo – Louisiana Chapter Emergency Numbering Association (NENA)  
Warren Kron – Louisiana Municipal Association (LMA)

#### Absent:

Chris Ard – City of New Orleans

#### Others Present:

Anthony Summers - West Baton Rouge Homeland Security, Emergency Preparedness & 911  
Chris Cretini – United States Geological Survey (USGS)  
Josh Chatelain – Arcadis US, Inc. (Arcadis)  
Lynn Dupont – Louisiana Planning and Development Districts (PDD)  
Phillip Breaux – Louisiana State University (LSU)

### 1. Call to Order

Committee Chair Joshua Manning (PDD) called the meeting to order at 12:12 PM. A quorum was present for the meeting with Mr. Manning, Warren Kron (LMA) and Jason Carr (DOTD) present.

### 2. Approval of January Meeting Minutes

Mr. Manning asked members to review the minutes from the February 17 meeting. On a motion by Jason Carr (DOTD) and a second by Warren Kron (LMA), the February minutes were unanimously approved.

### 3. Review LSDI 1.6.3 Parcels framework

Mr. Manning explained that he and Mr. Kron had reached out to the Louisiana Tax Commission and discussed with Michael Matherne. It was reiterated to them that the Tax Commission requires a 20-character limit for the parcel number. It was determined based on this information that the Committee's original recommendation stands, and the schema should be brought back to the full Council for final approval. No action taken.

### 4. Discuss LSDI 1.2 Orthoimagery framework

David Gisclair joined the meeting at this time.

Mr. Gisclair posed the question on how the committee suggested LiDAR be classified. He explained that some view it as an image while others describe it as pixelated elevation data. Mr. Carr stated that LiDAR consists of three forms of data: 1) point cloud (intensity data), 2)

raster, and 3) vector products. Mr. Kron then discussed a product he recently learned about called Voxels, which has XYZ coordinates along with a time element.

Mr. Breaux suggested that rather than listing Orthoimagery as separate category from Elevation/Bathymetry, perhaps Remote Sensing should be an overarching category with Orthoimagery and also Elevation/Bathymetry as elements thereof. Mr. Carr agreed with this suggestion, stating that other data such as Land Cover collected via remote sensing could also fall under the overarching category.

Mr. Gisclair stated that while Orthoimagery is the official designation by the federal government, he does not care for the name Orthoimagery as other forms of imagery such as ground photos should still be included. Mr. Carr agreed stating that that technology has changed to such a degree since this category was originally set up that we should revisit, particularly as remote sensing often collects a value not necessarily just a picture.

Chris Cretini joined the meeting at this point of the discussion. Mr. Cretini stated that he has discussed this topic with the USGS UAS office to discuss how they are handling. He explained that the EROS Data Center had written a spec that never caught on, therefore it has been abandoned. He suggested we get a copy of this spec and use it as starting point for the development of a schema. He also stated he talked with Jason Kirkpatrick who is the UAS manager for the Army Corps of Engineers. He reported that the Corps has no specifications and are also wrestling with same question. The Corps does have an Aerial Program Management System, which is a program management tool - but still have no organizational system set up.

Mr. Cretini continued stating that he looked at the current LSDI framework for Orthoimagery consisting of the categories: aerial, satellite, and film. He suggested that UAS could fit into this hierarchy but was not sure how to best fit in imagery that also collects elevation. Either the categories would need to be linked in some way or duplicated. Mr. Gisclair suggested that duplication would not be necessary if Remote Sensing was made an overarching category as discussed previously. Mr. Cretini stated he likes the idea of having a very general categorization and specification as the standard would then live on longer rather than having to be re-examined every few years. Mr. Gisclair stated that the LSDI as is currently set up necessitates duplication, which he believed is something that should be avoided for proper database management. Mr. Cretini stated that changing the category would move the state further from federal standards, thus the committee would need to determine which is the better option. Mr. Kron suggested including Lynn Dupont on this topic as she has recently named to the federal National Geospatial Advisory Committee.

Discussion ensued that the type of data being collected is more important than the method of collection. Mr. Cretini stated that a general category can classify the product while metadata could describe the method of collection.

Toward the end of the discussion Katherine Cargo and Lynn Dupont joined the meeting.

Mr. Kron suggested that a table similar to what was created for land cover classifications be developed that begins to describe this data. Mr. Manning will begin to put this together.

Ms. Cargo stated that she had sent letter to Chad Netto on this topic yet has still received no answer. She's looking specifically for his opinion on how to best include underground data on this topic.

No action taken.

## **5. Next Meeting**

Mr. Manning stated that the next meeting was scheduled for noon on Thursday, April 22, 2022, at the State Library. Ms. Cargo motioned to adjourn the meeting, seconded by Mr. Gisclair. Motion carried and the meeting ended at 1:15 PM.

## **Action Items**

- Mr. Kron requested that the various research on parcel numbers be included in the data designation documentation.
- Chris Cretini will research USGS specs for Orthoimagery
- Chris Cretini will reach out to his FGDC contacts to see if there is any discussion taking place on Remote Sensing/Orthoimagery
- Josh Manning will begin developing a spreadsheet for LSDI 1.2 Orthoimagery framework
- Lynn Dupont will research and research/discussion from the National Geospatial Advisory Committee on Remote Sensing/Orthoimagery