

Weekly Sync: 2019-02-19 Meeting notes

Date

21 Feb 2019

Attendees

- [Audy Barnett](#)
- [Matthew Tisdale](#)
- [Hyokyung Lee](#)

Discussion items

- Review Past meeting Action Items
- Lucid Chart Pricing
- AWS ArcGIS Testing
- GEE/S3 Testing
- Upcoming Dates
 - PROV Sync (2/21)
 - Monthly Report Out (3/5)

Past Action items

- ☒ [Audy Barnett](#) to add ArcGIS updates to the ticket board.
- ☒ [Hyokyung Lee](#) Test ASDC OPeNDAP URL with Geelambda
- ☐ [Audy Barnett](#) Create starter LUCID chart diagram for architecture and testing
- ☒ [Audy Barnett](#) Find final report for Bucket Brigade and post to SDT Wiki

New Action Items

- ☐ [Audy Barnett](#) to get Lucid Chart Licenses for team
- ☐ [Audy Barnett](#) Check with Collaborator at LP DAAC on Cumulus S3 bucket and usage
- ☒ [Hyokyung Lee](#) To begin deploying Cumulus in AWS
- ☒ [Audy Barnett](#) Follow up with Jeff Walter about email on 6 month pulse check.
- ☐ [Audy Barnett](#) To set up meeting with Joe Lee and crew to demo more of the ArcGIS access and image services
- ☐ Review Juan's addition to [Data Provider Guide](#)
 - ☒ [Hyokyung Lee](#)
 - ☐ [Audy Barnett](#)
 - ☐ [Brian Tisdale](#)
 - ☐ [Matthew Tisdale](#)

Project Schedule		FY 2019							
Task	Start Update: 04/18/2018	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1.0 Planning									
Define Information Platform									
Transformation Workflows (Exercises)									
Coordinate ArcGIS Pro and Meeting (Delayed to Date 3/5)									
2.0 Development and Implementation									
2.1 Configure Architecture & Infrastructure (ARCIS AMKE)									
ARCIS Infrastructure and Common Dependencies									
GEE Integration Testing with Cumulus									
Geoserver Infrastructure									
ARCIS Infrastructure									
2.2 Data Transformation and Distribution									
Data Product Review									
GEE Improvements of HDF4/S Grid Handler									
GEE Improvements of HDF4/S Search Handler									
Complete Geospatial Plugins for CHRS and MOHETT									
GEE Improvements of netCDF Handler									
Complete Development of GIS Tools Examples									
3.0 Deployment and Testing									
ARCIS Testing of Cumulus									
Cloud Optimized Format Comparison									
Complete Performance Evaluation of large Terraform Product									
4.0 Documentation									
4.1 ArcGIS Reporting									
Data management Plan									
Open Source Software Plan									
Quarterly Reports									
Technical Review									
Midterm Report and Presentation									
Final Report and Presentation									
5.0 Outreach									
ARCIS Training Completion									
East Federal Users Conference									
ESD/MS Spring Meeting									
East International Users Conference									

FY2020 Not Currently Shown

Meeting Notes

AWS ArcGIS Testing

AWS Cumulus

- Do we need to install Cumulus now or later?
- Use another DAAC's S3 Bucket in their version of Cumulus?
- Can we see NISAR or SWOT bucket?
- Their process of batch processing is essential when handling large data
- Clear Action Item from 6 month to ask Katie B.

GEE/S3 Testing

- Lambda Discoveries
 - If you creat a lambda function and download HDF4 file from OPeNDAP and store to S3 and process GDAL it will not work - the size and transfer.
 - Only way to transform OTF is subsetting
 - GDAL provides OD client library - Could write Py script to call OD Driver
- All drivers added to Lambda Package it fills the 15mb limit
 - You have to divide the functions
- GEE Lambda Docker Image and script
- May want to create an EC2 image that has everything instead of a lot fo Lambda functions