

901915 - Improving MBARI Data Impa

Week 46

1. Kevin Gomes
 - a. Catalog work

Week 43

1. Kevin Gomes
 - a. Trying to come up with generic way to store time series data from LRAUV, Dorado, etc. into a TimescaleDB that can be then connected to ERDDAP/THREDDS.
 - b. Data Catalog extraction from various legacy systems.

Week 42

1. Kevin Gomes
 - a. Resurrected code that does metadata extraction from multiple system for model development around Activity concept
 - b. Data catalog API/GraphQL

Week 41

1. Kevin Gomes
 - a. Working on data catalog (VueJS, GraphQL, etc.)

Week 40

1. Kevin Gomes
 - a. Catalog API work and enabling Firebase auth for APIs

Week 39

1. Kevin Gomes
 - a. Data catalog work (API, Apollo/GraphQL, etc.)

Week 38

1. Kevin Gomes
 - a. Working on VueJS, Firebase, Apollo and GraphQL to start on the UI side of the data catalog

Week 37

1. Kevin Gomes
 - a. Data catalog work

Week 36

1. Kevin Gomes
 - a. Converting the API for data catalog to GraphQL and starting on VueJS app to facilitate API development.

Week 35

1. Kevin Gomes
 - a. Finally getting back to catalog work in earnest. Was able to update extraction code to capture XMP tags from images from UAV for search in Elasticsearch.
 - b. Spinning up on GraphQL and looking to migrate catalog API
 - c. Working on authentication requirements and decision doc to get security decision done to start applying to catalog.

Week 34

1. Kevin Gomes
 - a. Working on data catalog capabilities to support UAV data catalog, query and registration in GeoServer. Working to support Tom's PDR which is tomorrow.

Week 33

1. Duane Edgington
 - a. Reading AWS Developer Guide on Authorization and Security
2. Kevin Gomes
 - a. Working on data catalog portion to test how well it will hold up to support image data management for UAV project.

Week 30

1. Rich Schramm
 - a. Setting up test AWS messaging broker for test

Week 29

1. Duane Edgington
 - a. Proposal review
2. Kevin Gomes
 - a. Proposal writing
3. Mike McCann
 - a. 2021 proposal review

Week 28

1. Kevin Gomes
 - a. Proposal writing

Week 25

1. Kevin Gomes
 - a. Structuring the ODSS to align better with the catalog work for this project

Week 24

1. Kevin Gomes
 - a. Starting up work again on catalog and requirements writeup

Week 23

1. Kevin Gomes

- a. Abstract submission

Week 22

- 1. Kevin Gomes
 - a. Small amount of catalog work

Week 21

- 1. Kevin Gomes
 - a. Working on structure data catalog work into containers more amenable to CI/CD

Week 20

- 1. Kevin Gomes
 - a. Looking at deployment scenarios for on premises and AWS testing

Week 19

- 1. Kevin Gomes
 - a. Looking into AWS Continuous Integration/Deployment for the data catalog work

Week 18

- 1. Kevin Gomes
 - a. Data catalog

Week 17

- 1. Kevin Gomes
 - a. More design work on integration layer and data models
 - b. Reviewing LOTS of documentation on the various data models for RDF, Schema.org, OGC, etc., etc.
 - c. Taking course on CI/CD and Jenkins

Week 16

- 1. Kevin Gomes
 - a. Catalog research and design
- 2. Mike McCann
 - a. Group meeting

Week 15

- 1. Kevin Gomes
 - a. Working on mbari-data-model project to create model that can integrate metadata from other legacy data systems (SSDS, ODSS, BOG, EXPDB, SamplesDB, VARS, etc.) and combine with STOQS model and with external efforts like W3C PROV and CSW to support data catalog efforts that can track provenance as well as data set integration.

Week 14

- 1. Danelle Cline
 - a. Meeting
- 2. Duane Edgington
 - a. Team meeting

3. Kevin Gomes
 - a. Working on architecture for integration layer
 - b. API design for integration to FAIR services
 - c. Built prototype of connections between TimescaleDB and ERDDAP, Grafana, Tableau, etc.
 - d. Group meeting to talk about architecture and design ideas

Week 13

1. Kevin Gomes
 - a. Working on architecture concepts for layered approach to data infrastructure
2. Mike McCann
 - a. Shared slide set created for i2map meeting on #se-ie Slack channel

Week 12

1. Kevin Gomes
 - a. Working on data catalog stack
 - b. Working through ideas from last meeting

Week 11

1. Duane Edgington
 - a. Project working session
2. Mike McCann
 - a. Team meeting, read about modin-project

Week 10

1. Karen Salamy
 - a. Sat in on the Data at MBARI talk for the External Review last week.

Week 7

1. Duane Edgington
 - a. Weekly meeting; lunchtime learning session on centralized logging with Elastic Stack.
 - b. Productive meeting with VideoLab (the whole lab) on requirements and use cases.
2. Rich Schramm
 - a. Attend Mtg.

Week 6

1. Danelle Cline
 - a. Meeting to discuss TimescaleDB and STOQS
2. Duane Edgington
 - a. Team meeting
 - b. Training session on Logging and Monitoring in AWS
3. Kevin Gomes
 - a. Held project meeting to look over LRAUV data structures and how that maps to the data models used by TimescaleDB. We are evaluating TimescaleDB's applicability to very large time series data.
 - b. Looking into the possibility of uploading individual STOQS databases into single TimescaleDB as test.
4. Karen Salamy
 - a. Attended an SE Group meeting to review extremely large time series data (e.g., LRAUV data structures) used with TimeScaleDB data models.
5. Rich Schramm

- a. Attend impact mtg

Week 5

1. Duane Edgington
 - a. Project meeting scheduled for Thursday Jan 30.
2. Kevin Gomes
 - a. Preparing for kickoff meeting on Thursday