

Carlos Rueda Sorted By Project

300083 - DMO Support - LRAUV

701165 - OVAI P2

- Resuming work on CMS UI. (Week 34)
- Productive discussion with Joost re status of things and next steps. (Week 34)
- CMS UI is now 0.7.2. Giovanna is starting to get familiar with the revamped version, which now uses the actual CMS API. (Week 36)
- (Week 36)
- Very productive CMS UI discussion with the core team. User feedback provided and TODOs gathered toward use in production, some of which could be addressed with my remaining hours. (Week 37)
- CMS UI now 0.8.9. (Week 38)
- Completed CMS UI webapp (0.9.0). Very well received. Enabled production and staging instances. Joost announced the availability of the production instance to the team. (Week 39)
- (overhead, actually) Some minor additions/adjustments to CMS UI. (The new 0.9.6 version also incorporates a significant refactoring done soon after the 0.9.0 release.) (Week 42)
- CMS-UI: Reviewed PR by Joost—great job! (Week 45)

901009 - CANON

- Revisiting MXM implementation as I look into modernization efforts in other projects. (Week 9)
- Enabled Prometheus metrics for MXM (Week 10)
- Updated dependencies for MXM services. In particular, they are now using the latest Quarkus (3.8.2). (Week 11)
- Updating MXM dependencies, in particular Quarkus. (Week 48)

901502 - Ocean Soundscape

- Kickoff mtg / planning. (Week 3)
- Hoping to have some progress done regarding google cloud file access by the Soundcoop meeting next week. (Week 3)
- Enabled access to Google Cloud Storage resources in PBP, as well as processing of sound files in 'flac' format. Successful testing. (Week 4)
- Assisting our European collaborator with processing of SUD files. (Week 4)

- Based on an initial version by Danelle (thanks!), created (and published) dockerized image for running PBP in jupyter notebooks, with all requirements in place. Successful testing with NOAA datasets, which are located in Google Cloud storage. (Week 5)
- Exchanges with collaborators. (Week 5)
- Meeting with OrcaSound (Week 5)
- The mbari/pbp docker image is now 1.0.3. Container enabled and successfully tested on 'gizo': <http://gizo.shore.mbari.org:8899/> (thanks IS for installing docker on gizo) (Week 6)
- With the team, delineating next steps (docker-based use cases, etc) (Week 6)
- PBP and mbari/pbp docker image updates; NRS11 and MB05 data processing; notebook updates, new scripts, etc. (Week 7)
- Adjustments to PBP (Week 8)
 - Now explicitly adding PyPAM in requirements.txt. Various sources and documents updated accordingly. (Week 8)
 - Several dependencies updated (Week 8)
 - New PBP parameter to facilitate setting of metadata attributes from the command line (Week 8)
- PBP (PyPAM based processing) software: (Week 12)
 - Now being packaged and published at PyPI. This step is taken after determining that potential integration into PyPAM itself (as discussed with its lead developer) is not a primary concern, at least in the foreseeable future. (Week 12)
 - New documentation site: <https://docs.mbari.org/internal/pbp-doc/>, which is internal given the MBARI specific focus, but, eventually, there would also be a public-facing site. (Week 12)
- Reviewed ~40 summer intern applications. Then discussion/selection with John R & Duane E. (Week 13)
- Brief soundscape analysis meeting. (Week 15)
- Diagnosed issue with excessive use of bandwidth while fetching data from GCS past week. (Week 15)
- PBP notebooks (Week 16)
- Meeting with various NOAA groups who are interested in applying PBP on their audio. (Week 17)
- PBP documentation (still WIP) is now publicly available: <https://docs.mbari.org/pbp/> (Week 18)
- Put together google doc about running PBP on Windows, shared with several NOAA collaborators. (Week 18)
- Internship project group discussion (with the intern). (Week 18)
- Group mtg. (Week 21)
- Meeting with NOAA. (Week 22)
- Group meeting. Presentation of planned internship project by Suzanne Stathatos. (Week 25)
- Minor PBP repo maintenance (Week 26)
- Meeting with the PBP team and NOAA. (Week 29)
- PBP is now 1.0.8 (both python package and docker image) (Week 29)
- Advancing PBP use in <https://mybinder.org/> (Week 29)

- Group meeting (Week 29)
- Advancing notebook spaces: JupyterLab on gizo (now more stable and with access to host machine for persistence), and an external one on <https://mybinder.org> in preparation for a NOAA workshop. Sent heads-up to the organizer regarding limited resources on mybinder.org. (Week 31)
- With Danelle, worked on fixing long standing issues with PBP plotting in notebooks. (Week 31)
- PBP (1.1) now has a new porcelain API in PBP, which should be much more user friendly. All tested successfully in our JupyterLab environment. (Week 32)
- Assistance to Michael R. (NOAA) re PBP use. (Week 32)
- More PBP work. All progressing well. (Week 33)
- Meetings/exchanges. (Week 34)
- mbari-pbp is now 1.4.0. JupyterLab@gizo also updated. (Week 34)
- Enabled access to a titan share from within JupyterLab@gizo. (Week 34)
- PBP work. Merged contributed PRs. mbari-pbp now 1.4.4. (Week 36)
- Meetings. More contributed PRs. (Week 37)
- Set up an account (and ran key notebooks) on a VLIZ JupyterLab space as part of preparations for an upcoming workshop. (Week 37)
- As part of preparations for the upcoming workshop in Boulder, mbari-pbp has been updated, now at 1.4.8. Team working on finalizing notebooks. (Week 38)
- Attended (remotely) the morning session of the first day of the SoundCoop workshop. PBP demos went smoothly (thanks Danelle for presenting in person). Updated JupyterLab@gizo to the latest mbari-pbp 1.5.1. (Week 39)
- Group meeting. (Week 41)
- Technical meeting about using Notebooks in Google Cloud (thanks Duane for the intro). We made very good progress toward running PyPAM/PBP. Initially we hit issues with dependencies... which I was then able to figure out ;. Also, Vertex AI Colab Enterprise proved to be more effective compared to Workbench. (But these are all preliminary explorations.) (Week 41)
- The /PAM_Analysis volume mapping for our Jupyterlab@gizo got broken. I fixed it by just restarting the container. (Week 41)
- Set up and now successfully running PBP notebook in Google Cloud Vertex AI environment. Thanks Duane for the assistance and testing. (Week 42)
- Meeting with PyPAM team re synergy with PBP (Week 44)
- Meeting with NOAA/NEFSC re PBP/PyPAM Soundcoop followup (Week 44)
- Group mtg with Micheal R. (NOAA) to discuss his recent PBP branch/PR and next steps. (Week 48)

901513 - Targeted Sampling by AUVs

- Preparations and testing for a new tracking exercise (deployment postponed to next week) (Week 9)
- A super successful thermal front tracking exercise using a wave glider (wgDevTest) has been carried out, with complete autonomy start to end, and lasting more than a full day—still ongoing at time of writing— and without suffering any impact upon the internet

outages that happened yesterday. Many thanks to Chris W. and Tom O. for your help. (Week 10)

- (Week 10)
- Met with Yanwu about tentative planning to implement patch tracking for the wave glider. (Week 42)
- Discussion with Yanwu toward incorporating patch tracking into the python framework we have used for front tracking. Reviewing/updating the code in preparation for that. (Week 48)

902101 - LRAUV Technology Development

- TethysL now 3.7.4. Provided assistance to Yanwu re use of the TethysL VSCode extension for updates to the lineCaptureHoming.tl mission. Resuming C++ implementation of parser to allow the LRAUV to directly load TethysL missions. (Week 1)
- The direct loading of TethysL files for the LRAUV to execute is taking shape nicely. Thanks Quinn, Mike G., Brian K. for the help. (Week 2)
- Dash4 now 4.60.1, and backend 4.61.0 (Week 3)
- Resuming efforts toward modernizing the TethysDash backend. Now on the latest Quarkus version! But this modernization goal is still very challenging given the many, many pieces involved. (Week 3)
- Toward directly loading .tl missions: Added code/makefile target for TethysL-XML diffing for verification for the C++ tethysl parser. Keeping the team posted and still awaiting feedback, including review and merge of this PR . (Week 4)
- Reviewed PR by Quinn S. (thanks!) where >30 missions are migrated to TethysL. (Week 4)
- Continuing efforts/explorations toward modernizing the TethysDash backend. (Week 4)
- Exchanges with WHOI and LRAUV teams regarding compilation of tethysl missions outside the lrauv-application codebase. (Week 5)
- Exchanges with Kevin N. (WHOI) while diagnosing issues with the VSCode extension for TethysL. It turned out they had a very old version of tethysl in their PATH. (Week 5)
- LRAUV Application and TethysL: The implementation of the new direct .tl loading mechanism has been merged into the current release branch, which is being exercised at sea with Galene. In short, the usual loading mechanism via the compiled .tx files will remain the default one for the time being, but we now have a new config setting that allows to activate/deactivate the new mechanism to proceed with testing in real operations. Many many thanks to Quinn S. and Brian K. for their assistance. (Week 6)
- A big milestone was accomplished last week. The new direct parsing and execution of TethysL (.tl) missions in the LRAUV was successfully exercised during a Galene deployment, which involved missions with TethysL array and macro extensions. Next phase in the integration plan is to continue exercising the new mechanism with more missions, while keeping the old mechanism as a backup, for some time. Thanks LRAUV team for your support! (Week 7)

- TethysDash API: fixes in a couple of endpoints related with the retrieval of Irauv-mission artifacts depending on whether there's an active vehicle deployment. Thanks, Quinn, for the heads-up. (Week 7)
- TethysL is now 3.8.4. (Week 8)
- Yanwu has converted a few of his missions from XML to TethysL. Many thanks to him! (Week 8)
- LRAUV: Observations and exchanges related with the nightly build (which has been broken for several weeks). Hopefully the team still sees a value there. (Week 8)
- Mike Godin to look into updating the regression test script to incorporate .tl as well. (Week 8)
- More TethysL VSCode extension improvements to further facilitate conversions from xml. (Currently, the Irauv-mission repo has 152 xml scripts (and 111 tethysl ones).) (Week 9)
- Merged PR by Mike Godin that incorporates .tl in the regression test script. (Week 9)
- TethysL now 3.9.5. (Week 10)
- Working with Yanwu toward more mission conversions to TethysL, and making use of macros where appropriate. As an example (Science/smear_yoyo_sampling), in terms of file size: (Week 10)
 - 136k - original XML (Week 10)
 - 80k - once converted to TL (Week 10)
 - 27k - using arrays/macros (Week 10)
 - So, the resulting file is only 20% the size of the original, while being more readable and less error-prone. (Week 10)
- Gave a brief presentation about TethysL in the engineering meeting. (Week 11)
- With Quinn, some sleuthing regarding the effective execution of LRAUV simulators interacting with the dash backend. Some long pending LRAUV related aspects may finally be addressed. (Week 11)
- TethysDash backend is now 4.62.2. (Week 11)
- XML-to-TethysL migrations continue. (Week 11)
- TethysDash backend modernization is progressing nicely, but still a long way to go. (Week 12)
- Direct .tl loading being exercised in ongoing Ahi deployment (thanks Quinn!). (Week 12)
- TethysL is now 3.9.8, including new support for nested macros. The C++ counterpart also implemented. (Week 12)
- Met with Mike Godin to discuss the status of various TethysL-LRAUV aspects. (Week 12)
- TethysDash backend now 3.62.3. (Week 12)
- As usual, various exchanges during vehicle deployments. (Week 13)
- TethysL 3.9.82. (Week 13)
- TethysDash backend now 4.62.4, including fix to a regression that affected dash5. (Week 13)
- Continue TethysDash backend modernization. Focusing on replacing the servlet-based API endpoints with Jakarta restful web services. (Week 13)
- Started adding copyright headers to dash-related repos I manage. (Week 13)

- Exchanges with the team (and WHOI) toward preparing for use of the WHOI dash instance during MBARI 4/19 outage. (Week 15)
- TethysDash modernization efforts continue. While the selected framework continues to demonstrate its power, several legacy modules and old dependencies in TethysDash are proving tricky to migrate as fast as one would wish. The migration is requiring a lot of non-trivial refactorings. (Week 15)
- Preparations to use WHOI Dash during the outage this Friday. (Week 16)
- WHOI Dash worked great for Brizo operations and recovery during the outage past Friday. Many thanks to the WHOI team for helping with some required adjustments. (Week 17)
- TethysDash backend now 4.70.1 with very significant internal updates as part of modernization efforts: now on Java17 (from java8); using Jakarta (emailing, servlet, websockets); now on Tomcat 10.1 (from 8.5); and, even more significantly, now using DataNucleus 6.0 (from 4.0). Also, now using Ubuntu as base image (from Centos), and also using the latest unserializable executable from lrauv-application. All testing has been satisfactory so far, with no regressions but the upcoming vehicle deployments will provide a more definitive verification. This step takes us closer to migrating to Quarkus (where some of the mentioned components above will actually be replaced with more modern alternatives). (Week 17)
- TethysL now 3.9.87. (Week 17)
- Dash UI is now 4.64.0. As always, thanks Monique for the great feedback. (Week 18)
- TethysDash backend 4.70.1 continues to run flawlessly. Emailed core LRAUV folks to let me know of any issues during the ongoing deployments. When these are completed, I'll merge this significant change into main. (Week 18)
- Tethysdash backend is now 4.70.2. (Week 19)
- Checking with WHOI about planning for their upgrade to the latest dash version; this time this is specially important due to the significant recent updates. (Week 19)
- Scheduled meeting with Saab engineer about TethysDash system. (Week 19)
- TethysDash related support to Saab Inc. Updating some documentation along the way. (Week 20)
- TethysDash related support to Saab Inc. (Week 21)
- Added WMS map provided by Brian to the dash to support Denmark deployments. Thanks Kevin G. for the underlying support in ODSS. (Week 21)
- Adjustments in TethysDash regarding waypoint information: scanning for relevant events at most to the beginning of the deployments; and implementing an interim workaround given that the Loaded event for direct run command has not been yet implemented in the LRAUV. (Week 21)
- TethysDash system: Saab support. Created a special docker image release to facilitate guidance and the setup of their instance. I also put together a small zip with a basis to launch the three key containers (backend, database, dash4). This basis works OK as tested on macOS(arm) and Centos7(intel). However, their dash is still having issues with the ssh key to access bitbucket. More updated documentation along the way. (Week 22)

- Dash4 now 4.70.0 and TethysDash backend 4.70.8, both representing a significant release of the dash system. Thanks to Steve H., for the great feedback, as always. (Week 25)
- TethysDash/dash4 adjustments (Week 26)
- Dash4 is now 4.70.2, with refined options for sending commands. (Week 28)
- (Week 28)
- Added some material to the operator training manual. (Week 29)
- TethysDash backend is now 4.80.0. (Week 31)
- Dash4 is now 4.70.4. As usual, especially during vehicle deployments, great user feedback (this time, in particular, by Monique). (Week 31)
- Worked with Ilya L./Saab (Quinn also worked with him last week), and, upon fixing a setting related with HTTPS access, their LRAUV simulator is now finally connecting with their TethysDash backend! Now, the only major piece still pending is for them to have an IMAP account/server so TethysDash can handle incoming emails. (Week 31)
- Dash4 is now 4.70.5. (Week 32)
- WHOI: brief exchanges with Matthew C. re unserialization issues, but nothing conclusive. (Week 32)
- Saab: regular meeting. Met a new person that will be replacing Ilya L. as point of contact for TethysDash aspects. (Week 33)
- WHOI: exchanges continue regarding issues with unserialize, which so far seem only involving the lrauv-application side of things. (Week 33)
- ESPComponent: Per Mike M.'s observation, fixed and submitted a PR to handle previously uncovered edge cases involving the consolidated message about each ESP filtering sequence. (Week 33)
- With Quinn, troubleshooted issues affecting TethysDash's ability to handle emails (they turned out caused by MBARI email server updates). (Week 34)
- Some occasional exchanges over slack (under MBARI and also under WHOI). (In general, no much work these days in this project, but glad to see 5 LRAUVs deployed, with all TethysDash related components (backend, dash4, odss2dash) working ok AFAICT). (Week 39)
- Dash4 is now 4.81.1, and TethysDash backend 4.81.0 – bug fixes and enhancements. (Week 42)
- XML mission script cleanup and migration to TethysL has been resumed. I've submitted PRs (this and this) toward cleaning up/removing obsolete XMLs. Yanwu has completed all his missions! (Week 42)
- TethysDash backend now 4.81.2, Dash4 UI 4.82.0. Various fixes seem to have been successfully exercised in recent/ongoing vehicle deployments. (Week 44)
- Dash4: Minor maintenance release. (Week 45)
- TethysL now 4.3.0. (Week 46)
- TethysL now 4.3.1, a maintenance release with a significant internal change as I have "merged" the documentation repo (now removed) into the main tethysl repository itself. This, in part, in preparation for open-sourcing the project. (Week 48)

902204 - Scalable Robotics

- Brief chats with Sebastián and Danelle. (Week 2)
- Kickoff mtg / planning (Week 3)
- Meeting to delineate tasks for Dial, thanks Sebastián. (Week 4)
- Preliminary implementation of image display in Dial, including stereo ones (which are just displayed side-by-side). (Week 5)
- (Week 5)
- Image generation rate characteristics still unclear but they seem rather demanding in principle: per the included timestamps in the payload they seem of high frequency but only received up to a couple of Hz in Dial, presumably due to latencies in LCM and/or websocket traffic. (Week 5)
- Fixes in the image display implementation in Dial (Week 6)
- Dial: Integrating display of image streams in the main page; re-structuring deployment spec to accommodate the new channels. Exploring options to improve performance, including use of binary payloads in the websocket communication (pending discussion with Kevin B.) as well as use of web workers in the frontend. (Week 7)
- Dial: Adjustments in image stream options. Some updates to the documentation. In coordination with Kevin B. (see this spec), preparing to consume binary payload as a more efficient mechanism to display the image streams. (Week 8)
- Started looking into the general Tator API documentation and entered this related with the integration of Sightwire to expose images and metadata in Dial. (Week 8)
- Dial: Setting up ingestion of image (binary) payloads per new scheme agreed with Kevin B. (Week 9)
- Dial: Giancarlo has shared some Dial screenshots taken during the ongoing Falkor cruise. (Week 10)
- (Week 10)
- Dial: Ingestion of JPEG image (binary) streams now in place. Thanks Kevin B. for your great work on the lcm-websocket-server side, which makes things very easy for Dial! (Week 10)
- Meetings/scoping tasks. (Week 15)
- Dial code cleanup. (Week 15)
- Dial is now 0.7.6. (Week 16)
- Exploring/evaluating Rerun for visualization. (Week 17)
- Rerun evaluation continues. It does look like a great tool for our toolbox. (Week 18)
- (Week 18)
- Rerun evaluation/learning continues toward adoption. (Week 19)
- Transferred Dial repo to CoMPASLab/dial. Rather surprisingly, the webhook for documentation generation continues to work just fine as long as there's also the mbari-org/dial repo. (Week 20)
- As part of delineating some future development for Dial, put in an IS ticket to mount the compas Titan share on compaslabdev. (Week 20)
- Delineating a Dial backend counterpart. (Week 21)
- Advancing the rerun based visualization. (Week 21)

- With Giancarlo, enabled our doc-generation mechanism for CoMPAS lab repos. (Week 21)
- Dial now 0.8.1 with ability to play any LCM log files under the /compas share (with controls for getting status and stopping). All of that functionality is supported by the dialserv API. (Week 22)
- Significant progress on Dial, and the embedding of the webassembly-based Rerun viewer. Advancing the RWS tool (to relay messages from LWS to a remote or own Rerun Viewer). Very exciting features on the roadmap. (Week 25)
- Integrating/advancing a server component in Dial. (Week 26)
- Preps to use rerun blueprints. (Week 26)
- Integrating/advancing Dial components. (Week 29)
- Prioritizing/advancing tasks. (Week 31)
- Working on the new Dial UI layout, now with 3 subviews (2D, 3D, Monitor) in the viz panel. (Week 32)
- With Sebastián, defining channels and fields to populate the status panel. (Week 32)
- Working on orchestration of Dial components. (Week 33)
- Assisted Sebastián in having an instance of Dial running on a new machine (including LWS). (Week 33)
- Consolidating new component orchestration behind the Dial UI. (Week 34)
- Dial is now 0.9.6. (Week 34)
- (Week 34)
- Resuming Dial work. (Week 36)
- Discussions with Kevin B. to start integrating notifications from his “control server” into Dial. (Week 36)
- Catching up with Dial dev (lots of internal changes); ongoing discussions, where I’m emphasizing the need for more focused coordination for Dial purposes. (Week 37)
- Helped set up Dial during recent Mola and MiniROV exercises in the test tank. (Week 38)
- Dial is now at 0.0.91, with several fixes and performance improvements. (Week 38)
- Focused on Dial component integration development. (Week 39)
- Dial system now 1.3.0. (Week 41)
- Successful testing of the new integrated system on a separate (“atuncita”) machine: all the critical comm channels, APIs, and recent UI enhancements exercised satisfactorily. (Week 41)
- Deployment documentation updated. (Week 41)
- Various TODOs captured for future discussion. (Week 41)
- Dial system now 1.3.0. Deployment documentation now up-to-date. (Week 42)
- Successful testing of initial MolaRS / Dial interaction: Dial shows status of MolaRS services and current mission, and allows to validate and issue missions. (Week 42)
- Dial system now at 1.4.0 with significant additions related to platform deployment management. (Week 44)
- Dial documentation updated (mainly here and here). (Week 44)
- Continuing Dial-MolaRS integration. (Week 44)
- Dial now 1.4.5. (Week 45)

- Continuing Dial-MolaRS integration. (Week 45)
- Dial now 1.4.9, with all major features implemented re MolaRS integration, at least for the most immediate needs in preparation for the Maldives. (Week 46)

902403 - Expedition DB Modern

- Group meeting. (Week 18)

Out of Office

- Jan 10–11: vacation
- Jan 3: Out sick
- Jan 22: Dentist appt.
- ~~Jan 22~~ Feb 8: Dentist appt.
- Feb 8, 19: Dentist appts.
- Feb 19: Dentist appt.
- Feb 22: Dr. appt.
-
- Mar 18 – Jury duty
- Mar 25 - out sick
- Apr 4, 8: sick
- June 10–13: vacation
- July 2–3, 22–25: vacation
- May 21: sick.
- June 20 morning: Drs. appt. (son)
- July 22–25: vacation
- TBD a week or so in Aug/Sep: vacation
- TBD a week or so in Sept: vacation
- Sept 19: out sick
- Nov 11: vacation
- Nov 18–20: QCon
- Dec 9–12, 23–24, 30–31: vacation

Overhead

- Various usual things: COI; Employee handbook/signatures; Perf review. (Week 4)
- Watched seminar “Billionth of a billionth to billions of billions” - fascinating. (Week 4)
- Reviewing Postdoc applications (8). (Week 5)
- Moved the Kuma based monitoring service from tethysdash2 to a new VM ‘statusdev’. Thanks again to Kevin B. for the good finding. Since IS is also interested in exploring this kind of monitoring services, and to avoid risks/conflicts with production servers, I decided to ask for a new VM. I’m happy to share the credentials with anyone interested in defining new monitors. Examples: (Week 5)
 - <http://statusdev.shore.mbari.org/status/tethysdash> (Week 5)
 - <http://statusdev.shore.mbari.org/status/mxm> (Week 5)

- IE group mtg (Week 5)
- Some technology exploration related to ongoing modernization efforts for APIs and databases. (Week 7)
- IE mtg about authentication/authorization, thanks Kevin! (Week 7)
- Cleaned up and pushed a repo with an exploration of sqlx and other Rust crates for implementing a REST service on top of a Postgres database. (Week 8)
- Reviewed CMS API spec for Joost. (Week 11)
- IE mtg (Week 11)
- IE group mtg. (Week 17)
- IE group meeting. (Week 18)
- FathomVerse presentation (also, installed the game, tried it, and gave it 5 stars ;) (Week 18)
- Got new laptop, and now going through the “hassle” of setting it up, transferring things, etc. (Week 19)
- Brief talk with Thom M./Kevin G. re ODSS related abstract. (Week 19)
- IE meeting. (Week 19)
- Setting up my new computer. (Week 20)
- IE mtg. Gave a quick presentation about the just handy tool. (Week 20)
- Thanks Kevin B. for the several dependency updates on the docs server! (Week 21)
- Motivated by this, I proceeded to adjust several sites, fixing a few long standing issues along the way (eg. the tabbed extension was broken), as well as enabling automatic light/dark mode. (Week 21)
- Embedded SE interview. (Week 21)
- Resumed some exploration of SurrealDB. Glad to see the performance improvements. (Week 25)
- Proposal discussions/input (Week 26)
- Proposals (discussions, preparation) (Week 28)
- Project time re-allocation discussion (Week 29)
- Tauri tech exploration: Pretty successful with a (non-trivial) VueJS webapp as a native app. (Week 29)
- Reading proposals toward proposing possible reallocations of my time. (Week 31)
- Maintenance of ecoz2rs triggered by vulnerabilities reported by dependabot. (Week 31)
- Consolidated some old experiments in <https://github.com/mbari-org/lrauvdefs> . (Week 31)
- Enabled syntax highlighting for the se-ie-doc site and updated some pages to use it. (Week 31)
- IE group mtg (learned about CDK). (Week 32)
- Attended couple of intern presentations. (Week 33)
- IE group mtg. (Week 33)
- We got a new VM with Ubuntu for purposes of migrating or current CentOS7 based docs (Week 33)
- Some ESIP COR related exchanges and responses to feedback, arising from a session about the ORR and COR during the recent ESIP summer mtg. (Week 33)

- GO-BGC/SOCCOM database kickoff mtg. (Week 36)
- Addressed dependabot alerts in various code repositories. (Week 36)
- IE group mtg. (thanks Mike for the brown-bag on django crispy) (Week 36)
- Meeting with Kevin/Danelle/Karen to provide input to ongoing scoping of UI related work. (Week 37)
- IE group mtg. (Week 37)
- IE brown bag about Json-schema. After Kevin B.'s great presentation, I took the opportunity to briefly talk about the relevant tscfg tool (<https://github.com/carueda/tscfg/>) . (Week 38)
- Presented Vue/Quasar in IE brownbag meeting. (Week 42)
- Eng. mtg (Week 44)
- Attended various online webinars/presentations: Icechunk, Vite and the future of JS tooling (presentation in the JetBrains JS Day 2024). (Week 44)
- Google GDM presentation. (Week 44)
- Watching some Google Cloud App Dev presentations. (Week 44)
- QCon (Week 48)
- Some additional tech exploration (surrealdb) (Week 48)