

902002 - FathomNet

Week 49

1. Kevin Barnard
 - a. Planning for ONC collaboration

Week 46

1. Kevin Barnard
 - a. Met with ONC to discuss potential collaboration

Week 45

1. Brian Schlining
 - a. Data fixes to support latest model training.

Week 36

1. Kevin Barnard
 - a. Provided D1376 video and bounding box annotations to University of Washington CS department for evaluation of VOCALExplore on VARS data
2. Brian Schlining
 - a. [Upgraded back end from Micronaut 3 to 4.](#)

Week 35

1. Kevin Barnard
 - a. Gardened FathomNet community feedback issue tracker
 - b. Populated web UI issues to be tackled in the near future
2. Brian Schlining
 - a. [Migrating to Micronaut 4](#)
 - b. Meeting with WoRMs team to discuss ML image analysis and integration.
 - c. Meeting to review requirements for game content management system.

Week 34

1. Kevin Barnard
 - a. Uploaded MBARI 315k YOLOv5 and v8 models to FathomNet model zoo
 - b. Created HF space for FathomNet2023 Kaggle challenge baseline YOLOv8 model

Week 30

1. Kevin Barnard
 - a. Started migrating models from GitHub/Zenodo to Hugging Face

Week 29

1. Brian Schlining
 - a. Met w/ [Magda Balazinska](#) to discuss their ML assisted video search research. Assembled a dataset of MBARI video and annotations for her students to test with.

Week 28

1. Brian Schlining
 - a. Reviewed Eric Orenstein's medium article on [FathomNet 1.0](#).

Week 26

1. Kevin Barnard
 - a. Finished FathomNet v1.0 features; released updated site

Week 25

1. Brian Schlining
 - a. Testing version of FathomNet with new community features is at <https://fathomnet.org/testing>

Week 22

1. Kevin Barnard
 - a. Implemented several features for v1.0 launch
 - i. Audit bounding box history by several keys
 - ii. Follow concepts/marine regions/users
 - iii. Comment on bounding boxes
 - b. NSF reporting

Week 21

1. Kevin Barnard
 - a. Working on finishing up community feature support in fathomnet-rest-api
2. Brian Schlining
 - a. [New release](#) of the worms-server to address [issue #3](#)

Week 20

1. Kevin Barnard
 - a. Worked on FathomNet beta-2.3 backend tasks

Week 19

1. Brian Schlining
 - a. Addressing some FathomNet issues.
 - b. With Kevin B, we've laid out an accelerated road map to complete [Beta 2.3](#) in June

Week 18

1. Brian Schlining
 - a. Submitted an image collection to NOAA to test and develop a data archiving pipeline.
 - b. One of the podman containers had debug logging enabled which filled up the disk on eione.mbari.org (aka fathomnet.org). This has been fixed.

Week 15

1. Brian Schlining
 - a. The FathomNet server VM has been upgraded to 4CPU and 8GB RAM.
 - b. Added community features to the FathomNet API. (Find [observations](#) and [verifications](#) by users, List [badges](#) for a user)

- c. Met with OVAI team to debug SQL issues in [fastapi-qcsp](#).
- d. Tested and deployed new release of the [FathomNet web UI](#) (1.0.3)

Week 14

- 1. Kevin Barnard
 - a. Working on ORCID authentication/attribution for FathomNet
- 2. Brian Schlining
 - a. In progress: replacing the default taxonomy provider. Currently the default in FathomNet is MBARI's knowledgebase but we're switching to our [fast worms server](#). Notable changes includes [limiting searchable terms](#) to WoRMS taxa branches that exist as annotations in FathomNet and switching the browsable taxa tree to WoRMS.

Week 13

- 1. Kevin Barnard
 - a. Set up development environment for FathomNet/OVAI QSCP service
- 2. Brian Schlining
 - a. Updated FathomNet's firebase service (from Google) from a free tier to a paid tier that supports OpenID Connect.
 - b. Met with NOAA team members to start implementation of hosting/archiving user contributed images. Also discussed archiving versioned snapshots of the FathomNet database.
 - c. Met with Squiddle developers to continue the discussion of better FathomNet/Squiddle interoperation.
 - d. Revisiting [VARs to FathomNet export](#).

Week 12

- 1. Kevin Barnard
 - a. Gave presentation of VARs & FathomNet at Ifremer FUTUROBS workshop
- 2. Brian Schlining
 - a. Wrestling with the "best" way to present search autocomplete. See <https://github.com/fathomnet/fathomnet-web-ui/pull/5>
 - b. Revisiting work on [resolving the import from VARs to FathomNet](#). The data pipeline was broken due to an ["out of band" data load into VARs](#) from an ML import.

Week 10

- 1. Brian Schlining
 - a. [Integrated the equipment/geological features branches](#) of the VARs knowledge-base into our [WoRMS server](#). These branches will get updated every month when we sync with [WoRMS](#).
 - b. Working on tasks in the [beta-2.3 roadmap](#).
 - c. Code review of Genevieve Patterson's fathomnet-qscp service.

Week 8

- 1. Brian Schlining
 - a. FathomNet workshop

Week 7

- 1. Kevin Barnard
 - a. Planned milestone 2.3 tasks Feb-April
- 2. Brian Schlining
 - a. Much work on laying out the [FathomNet beta 2.3 roadmap](#).

- b. [Work on integrating branches of MBARI's knowledgebase with the WoRMS concept tree.](#)
- c. Prepping for next week's FathomNet workshop.
- d. Met with the new Ocean Vision AI program manager, Tapas Dwivedi.

Week 6

- 1. Kevin Barnard
 - a. Prep for upcoming workshop Feb 22 & 23
- 2. Brian Schlining
 - a. [Working with NOAA on a data archiving workflow](#) to allow external labs to publish images to FathomNet. Also providing feedback to NOAA on organizing their own data before submitting it to FathomNet.
 - b. Met with Squiddle developers to address features needed for them to support FathomNet integration. [Added the first round of requested features.](#)
 - c. Updated the FathomNet API with changes to support Squiddle. Updated the FathomNet web UI with [features added by CVisionAI developers.](#)
 - d. Preparing for the upcoming FathomNet workshop.

Week 5

- 1. Kevin Barnard
 - a. Met to plan February FathomNet workshop
 - b. Wrote steps to publicly host images via Firebase/Google Cloud Storage for contributors
- 2. Brian Schlining
 - a. Met with Megan Cromwell (NOAA) to walk through data archiving at NOAA.
 - b. Packaged an image set for testing and developing a workflow to store images with NOAA's long term data archive.

Week 4

- 1. Brian Schlining
 - a. FathomNet has an automated task that notifies image owners when an image link is broken. [Fixed a bug](#) so that notifications will stop being sent when the owner fixes the link.
 - b. [Staged labeled images](#) to an external server for use in a FathomNet/Kaggle competition.

Week 3

- 1. Kevin Barnard
 - a. Worked on packaging vars-localize for Smithsonian volunteers
- 2. Brian Schlining
 - a. Meeting w/ Kerry Howell to discuss adding an API to [Smarter-id](#) to allow FathomNet to use it as a naming service.

Week 2

- 1. Kevin Barnard
 - a. Investigated PM tools: GitHub projects, Notion, misc. gantt integrations