

# LArSoft Coordination Meeting

*Release and project report*

Erica Snider  
Vito di Benedetto  
Giuseppe Cerati

**Lynn Garren**

Katherine Lato  
Saba Sehrish  
Mike Wang  
*Fermilab*

Jan 28, 2020

# Today's agenda and speakers

- Release and project report (Erica)
- AOB

# Releases

- Last week
  - v08\_41\_00 released on Jan 21
    - Earlier than usual due to Jan 22 GitHub migration
    - First release with **art v3\_04\_00**
    - **Python 3 is now the default** moving forward
      - Set up python 2 via qualifiers **e19:py2** or **c7:py2**
- This week
  - Bug fix for incorrect calculation of wire pitch in lardata
    - [Issue 23817](#)
  - Fix to problem in cetbuildtools in checkClassVersion script in python 3.7.2
    - Fix is in cetbuildtools v7\_15\_01

# LArSoft copyright and licensing proposal

## Copyright

- Legal grant to the creator/owner of original software (the case in point) exclusive rights over the use and distribution of that software

## License

- A legal instrument governing the use or redistribution of software granted by the copyright holder

## Open source software (OSS)

- Source code is made available to everyone
- Anyone can modify, change and distribute as desired

To ensure that LArSoft is legally OSS, there needs to be a copyright holder who grants a license specifying that to be the case

# LArSoft copyright and licensing proposal

## Lots of considerations

- Suggest looking at “Software License Agreements HSF Policy Guidelines” ([HSF-TN-2016-01](#))
- For our case
  - Software authored by a large collaboration of contributors
    - Do not have an agreement specifying policy wrt copyright / licensing
    - Do have a “prime distributor” with role of managing, deploying new releases, and in defining the architecture
  - Important to preserve attribution in the code
  - Little if any risk of third party appropriation
- Suggests a permissive license is appropriate
  - Apache Software License v2 is desired option based on Fermilab, HSF input
  - Some complications due to Pandora GPL v3 license

# LArSoft copyright and licensing proposal

## The proposal

- Copyright:
  - “Copyright 2020 Fermilab for the benefit of the LArSoft collaborating experiments (See <https://larsoft.org/>)”
  - One COPYING file per repository

## License

- All code in lar\* repositories except larpandora and larpandoracontent
  - Apache License, Version 2
  - One LICENSE file per repository with appropriate header text
- Code in larpandora and larpandoracontent
  - GPL v3
  - License header text in each file

# GitHub migration follow-up

## Move to GitHub last week

- The migration itself went smoothly
- An mrb issue caused a delay in re-opening the repositories
- Completed within announced time interval

## Issues since the migration

- Questions about how to share feature branches
- Questions about how to update forks
- Any other issues or concerns regarding what people actually see?

# Guidance for collaborating on feature branches

- Basically two ways to manage this situation
  - Original author authorizes contributors to branch in personal GitHub repository on ad hoc basis
    - Appropriate for small groups of people working on select projects
  - Create an organization with appropriate teams, keep common branch on a fork in that organization
    - Appropriate for larger scale collaboration, or centrally manage projects
    - Experiment organizations, for example, to maintain production branches
- Procedure
  - Fork from upstream (central repositories)
  - Work on feature branch
  - Push to personal / organization fork (remote)
  - Create PR



# Coordinating experiment and LArSoft feature branches

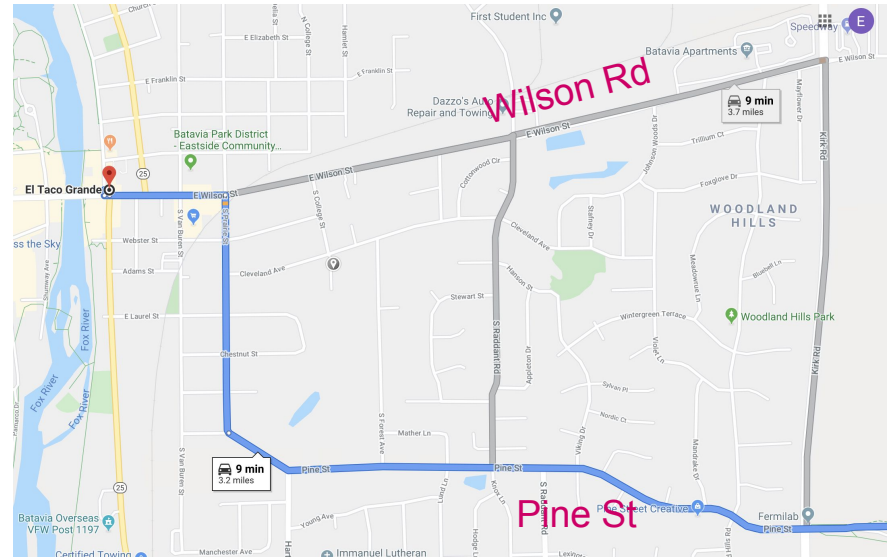
- Coordinated PRs from multiple LArSoft repositories currently handled within existing CI framework
- Consider case of a coordinated change to experiment and LArSoft code
  - Currently no way for GitHub to tell LArSoft CI that it needs to test experiment code against a specific feature branch in the experiment repository
    - All such cases will lead to CI failures from one or more experiments
  - But, this *is* a feature of the CI system
    - So, current solution: manually trigger the experiment CI tests against appropriate branches
    - test from the experiment CI
  - Will make it possible to test feature branches of same name across all repos

# Lynn Garren is retiring!

Join us in celebrating Lynn's retirement on Thursday, Jan 30 at 11:45 am

El Taco Grande  
6 N River St. Batavia

**RSVP to [boyd@fnal.gov](mailto:boyd@fnal.gov)**

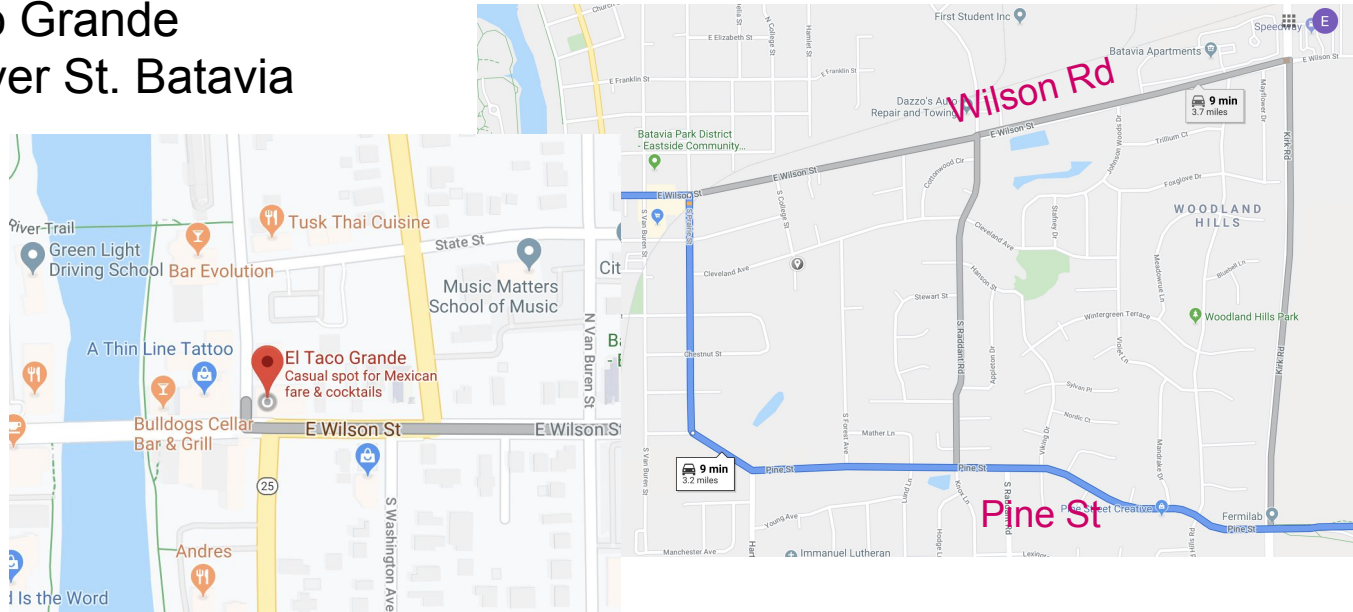


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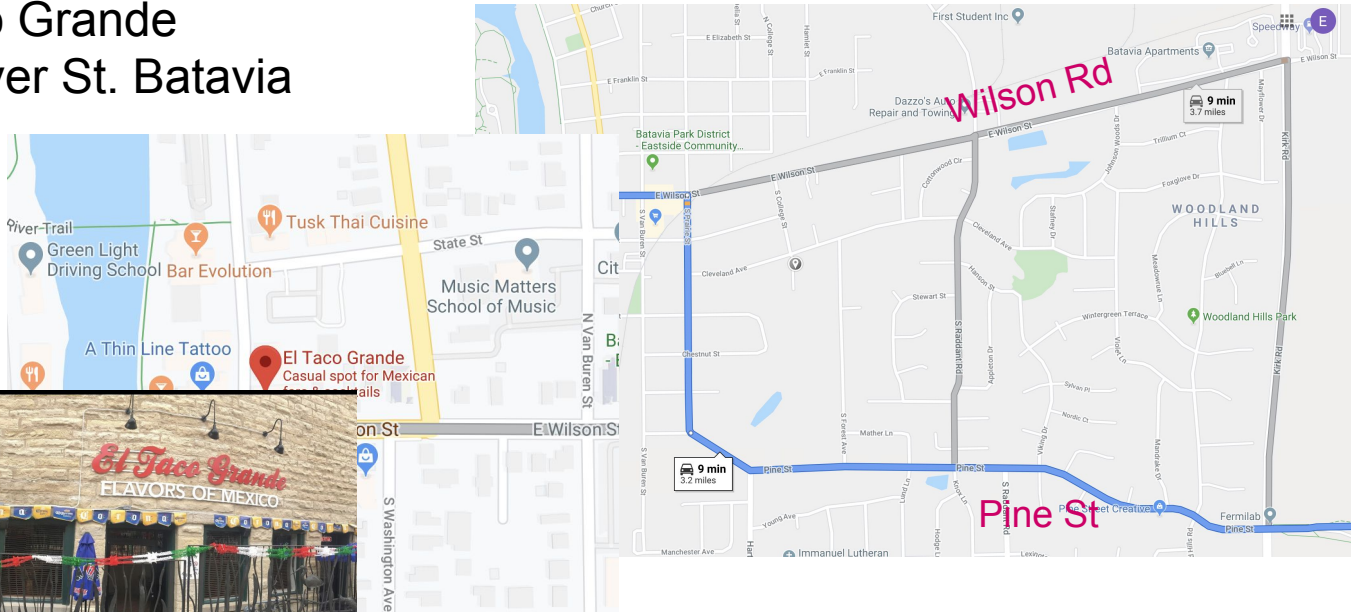


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The end