



UNIVERSIDAD TECNICA
FEDERICO SANTA MARIA



AC3E

Advanced Center for Electrical
and Electronic Engineering

Precheck Milestone

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UNIC-CASS 2023

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Precheck submission steps

1. Create and modify a local Caravan/Caravel repository ①
2. Create a project at the Efabless website ②
3. Link your repository ① with your project ②
4. Launch precheck



1. Create and modify a local Caravan/Caravel repository ①

Recommended Workflow

- Create your own public github repo (my_chip)

- Clone efabless/caravel_user_project into a local folder

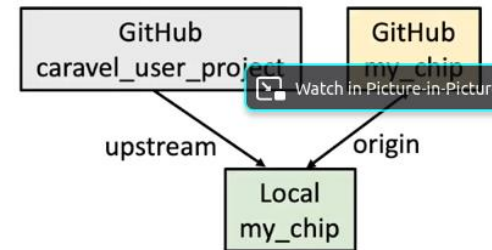
```
> mkdir my_chip  
> git clone https://github.com/efabless/caravel_user_project my_chip
```

- Make efabless/caravel_user_project the **upstream** for your local repo

```
> cd my_chip  
> git remote rename origin upstream
```

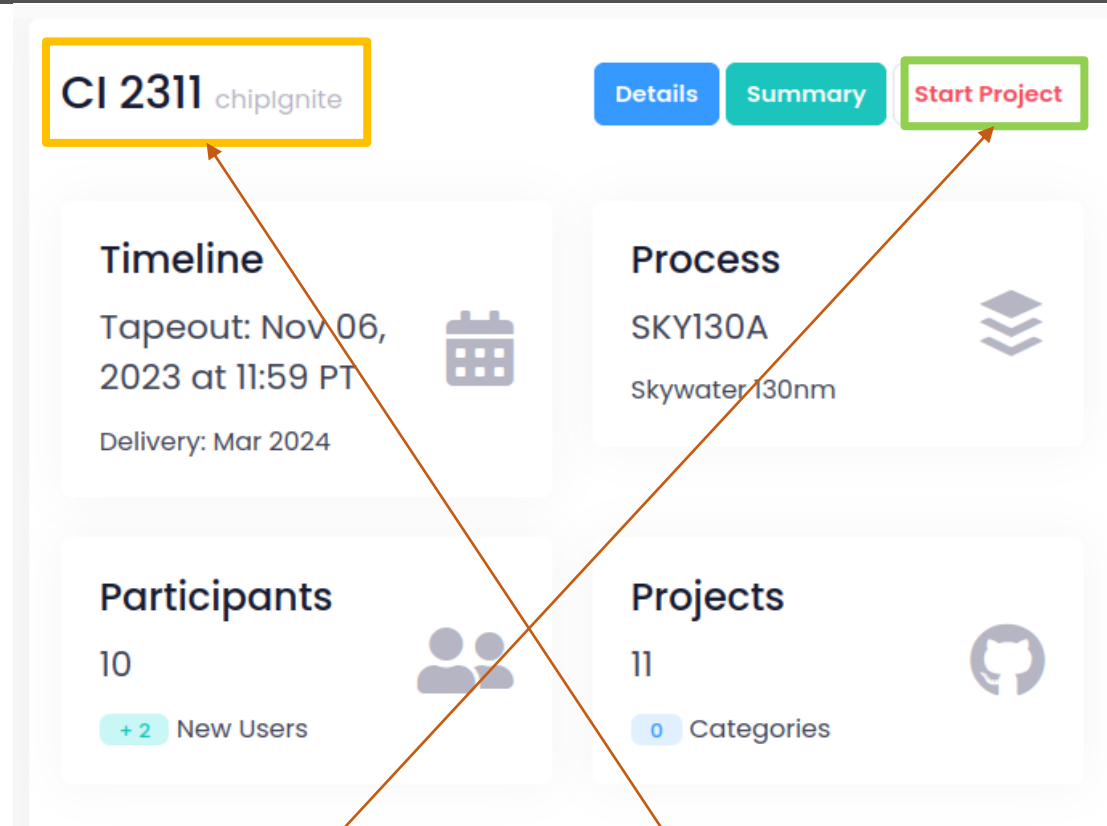
- Change the **origin** of your local repo to my_chip

```
> git remote add origin git@github.com:your_gh/my_chip  
> git checkout -b mpw5  
> git push -u origin mpw5
```



- “Getting Started with Open MPW and chipIgnite” @Efabless Youtube channel (~minute 36):
<https://youtu.be/vJqP7ZR0Nrl?si=Am9tJkKTEp4jrG3c>
- For analog projects, use the CARAVAN repository:
https://github.com/efabless/caravel_user_project_analog
- For digital projects, use the CARAVEL repository:
https://github.com/efabless/caravel_user_project

2. Create a project at the Efabless website (2) - I



- Go to <https://platform.efabless.com/>
- You need to create an account (e.g. linked to Github account)
- In the main page, search for the CI 2311 chipignite tapeout
- Click on "Start Project"



2. Create a project at the Efabless website ② - II

PROJECT

Project Title *

Visibility *

Private

Description *

(Give us your elevator pitch!)

URL

Shuttle CI 2311

Labels ?

Cover Image (This is what the public can see when searching)

Choose file to upload Choose File

Save Cancel

- Add title starting with UNIC-CASS_precheck_[project_name] - we may need to erase the project later
- Choose visibility: public
- Add short description
- No need to add URL
- Make sure shuttle is CI 2311
- You can add labels and an image (optional)

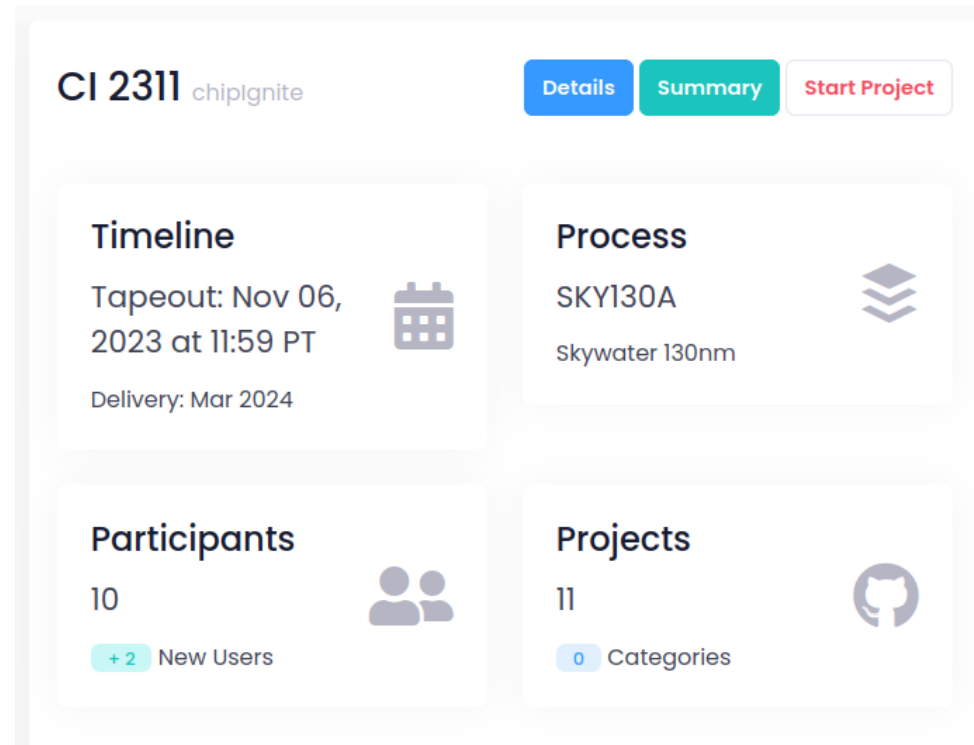


3. Link your repository ① with your project ②

- You will be redirected to an “Overview” page of your project
- Follow the instructions to link your github repository to your Efqbles project
- 3 options, including needed commands:
 - starting a brand new project without a local repository
 - already have a local Git repository, initialized with git init
 - already have a remote repository, for example one on GitHub



4. Launch precheck

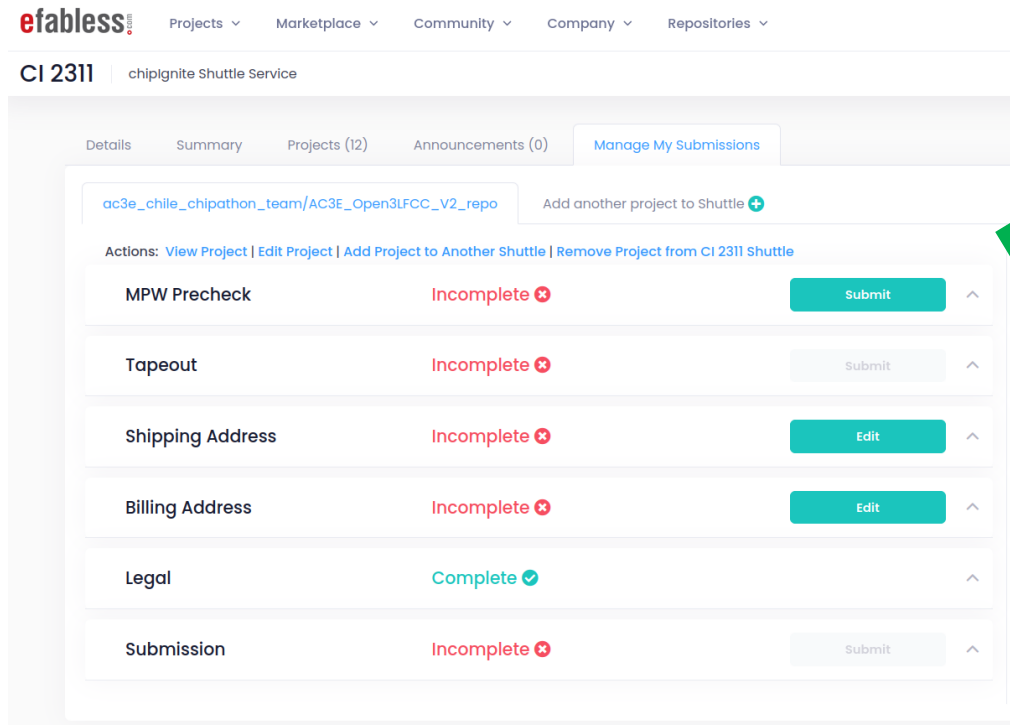


The screenshot shows a project overview page for 'CI 2311 chipignite'. At the top right, there are three buttons: 'Details' (blue), 'Summary' (green), and 'Start Project' (red). The main content is divided into four quadrants:

- Timeline:** Tapeout: Nov 06, 2023 at 11:59 PT (with a calendar icon). Delivery: Mar 2024.
- Process:** SKY130A (with a chip icon). Skywater 130nm.
- Participants:** 10 (with a group of people icon). +2 New Users.
- Projects:** 11 (with a GitHub icon). 0 Categories.

- Go to <https://platform.efabless.com/>
- Detailed video @Efabless Youtube channel:
<https://www.youtube.com/watch?v=HI8tzyzQHPw>

4. Launch precheck



efabless | Projects | Marketplace | Community | Company | Repositories

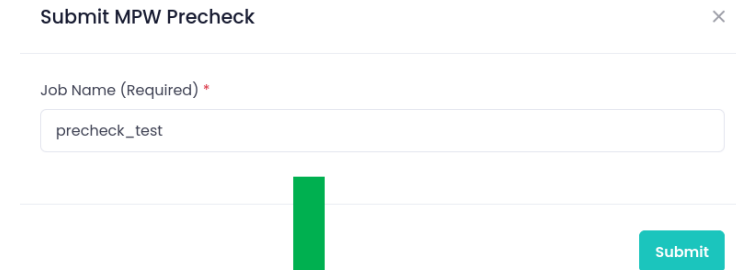
CI 2311 | chipignite Shuttle Service

Details | Summary | Projects (12) | Announcements (0) | Manage My Submissions

ac3e_chile_chipathon_team/AC3E_Open3LFCC_V2_repo | Add another project to Shuttle +

Actions: View Project | Edit Project | Add Project to Another Shuttle | Remove Project from CI 2311 Shuttle

MPW Precheck	Incomplete ✖	Submit
Tapeout	Incomplete ✖	Submit
Shipping Address	Incomplete ✖	Edit
Billing Address	Incomplete ✖	Edit
Legal	Complete ✔	
Submission	Incomplete ✖	Submit

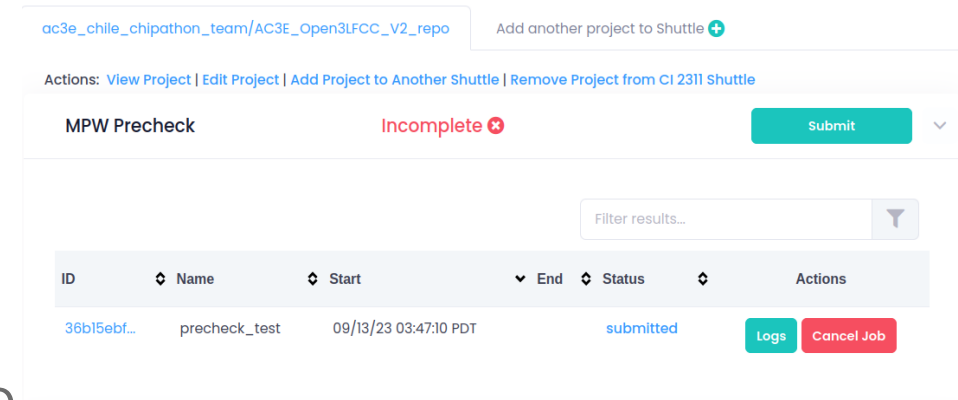


Submit MPW Precheck

Job Name (Required) *

precheck_test

Submit



ac3e_chile_chipathon_team/AC3E_Open3LFCC_V2_repo | Add another project to Shuttle +

Actions: View Project | Edit Project | Add Project to Another Shuttle | Remove Project from CI 2311 Shuttle

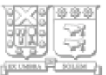
MPW Precheck Incomplete ✖ Submit

Filter results...

ID	Name	Start	End	Status	Actions
36b15ebf...	precheck_test	09/13/23 03:47:10 PDT		submitted	Logs Cancel Job

- Go to <https://platform.efabless.com>,
- Detailed video @Efabless Youtube channel:
<https://www.youtube.com/watch?v=HI8tzyzQHPw>
- Precheck should last ~10 minutes
- Idea: use commit code for precheck/tapeout job name

- This is the standard procedure for Efabless precheck/tapeout
- You can find more info in the OSS Slack: <https://open-source-silicon.slack.com/>
 - there's also a 'precheck' channel
- You can post your questions at the UNIC-CASS Slack: <https://unic-cass.slack.com/>
- TAKE ENOUGH TIME TO UNDERSTAND AND EXECUTE THE PRECHECK STEP
- Your need to provide a copy of your passing precheck report to fulfill this milestone





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Thank you



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