Innovation Lab Software Task Template – CFM Container V1.1.0

# Overview

This task updates a Singularity container that accommodate newly modified CFM (by Max Stevens) for eis-sealevel projects

The python source code is available at

<https://git.mysmce.com/eis-sealevel/sea-level-examples.git> Branch: “Max\_dev”

# Define Model

# Task Objects

*Objects unique to the task that are unlikely to be useful elsewhere.*

* None

## Existing Innovation Lab Objects

*Existing lab objects to be reused.*

* Ilab-cfm-1.0.0.def
* Ilab-cfm-1.0.0.sif

## New Innovation Lab Objects

*Byproducts of this task that are generally useful to the lab.*

1. Ilab-cfm-1.1.0.def
2. Ilab-cfm-1.1.0.sif

# Define View

*Define the initial view for this task.*

***The model provides command line interface; The driver is***

1. main.v1.py

e.g. working example

Singularity> python /usr/local/cfm/CFM\_main/main.v1.py

# Controller

*Define the controller for this task.*

* None

# Branch Name

* None

# Files

# Application Benchmark Configuration

1. **Run-time Script:**

/usr/local/cfm/CFM\_main/main.v1.py

1. **Dependencies:**

*Python packages:*

s3fs==2021.4.0

zarr==2.8.1

1. **Input:**

*Data:*

s3://eis-dh-sealevel/CFMinputs/zarr/M2\_GrIS\_daily.zarr/