

E3SM Model release plans

E3SM v1

V1 release in April 2018:

The project expects to release the working configurations of v1 for both high and low resolution water cycle

Configurations to be included:

- Low-resolution
- High-resolution

Data to be released:

- Low-resolution:
 - Pre-industrial control simulation (a few hundreds years)
 - Historical simulation 1850-2015 (multiple ensemble members)
 - Abrupt 4xCO₂ simulation (150 years)
 - 1% per year CO₂ increase up to doubling (150 years)
 - AMIP simulation.
- High-resolution:
 - Perpetual 1950 control simulation (minimum a few decades)

Later v1 configurations release plans:

BGC coupled system

Ocean-cryosphere

V1 support:

Documentation for configuring the model on the NERSC system will be provided

Documentation for component codes will be available

Some limited user support will be provided

V1 tutorial:

A tutorial during summer of 2018 will provide training in configuring and running the model

E3SM v2

V2 release is expected in 2021