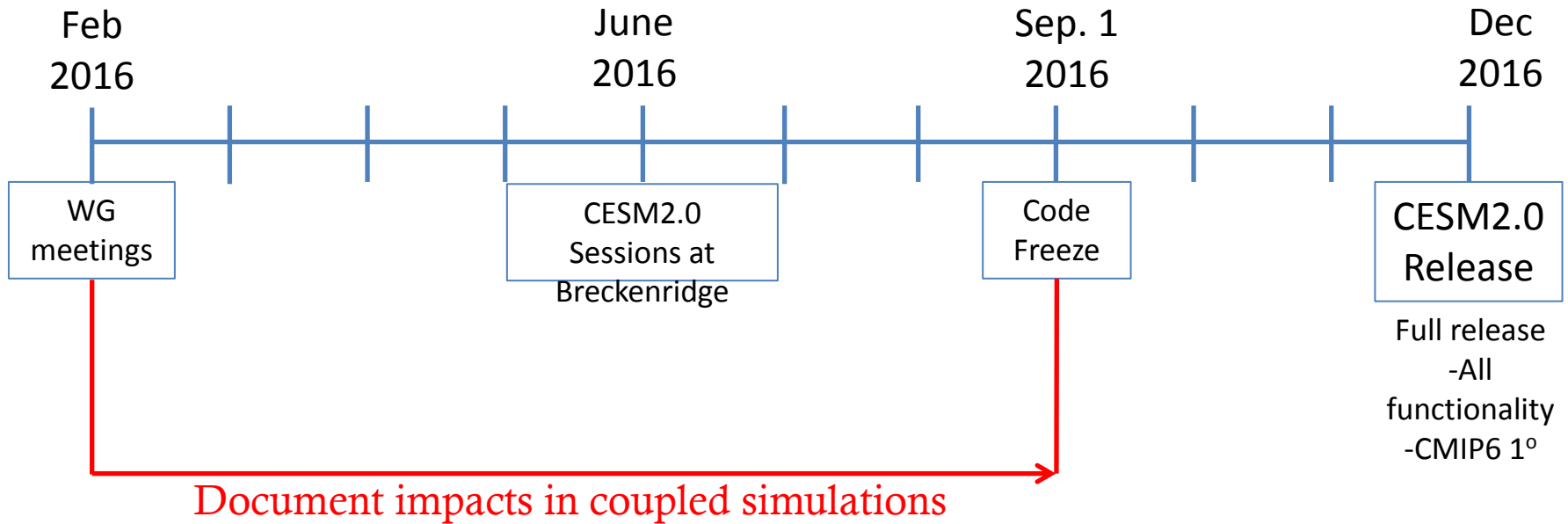
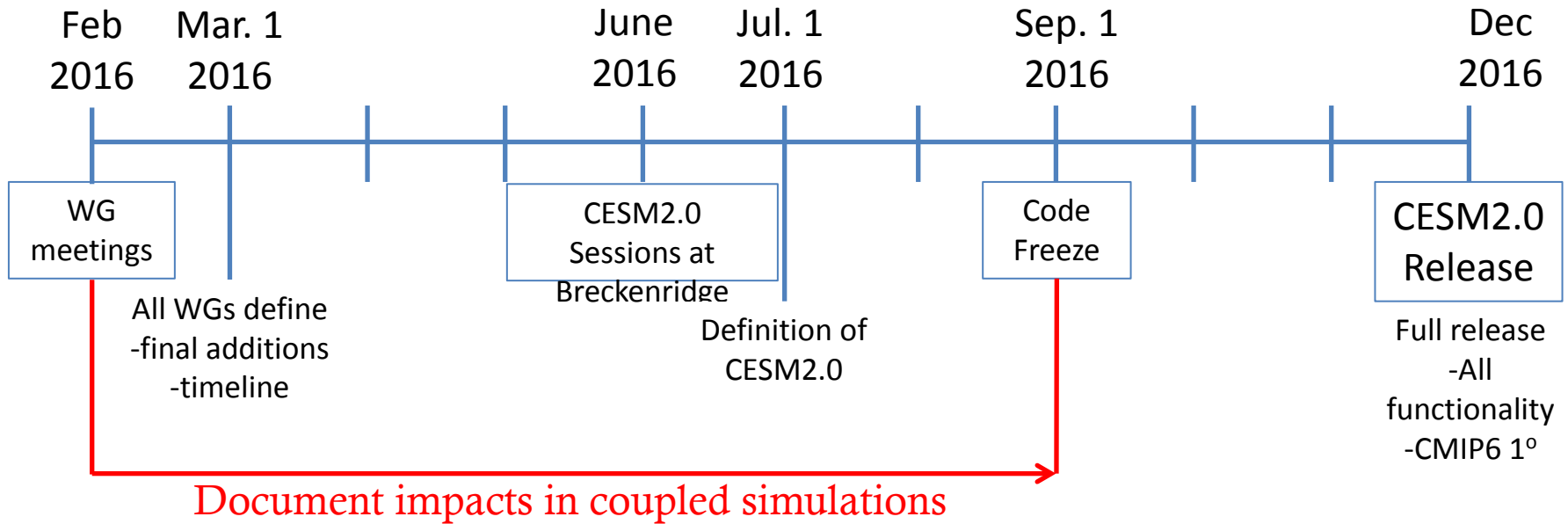


Proposed revised timeline



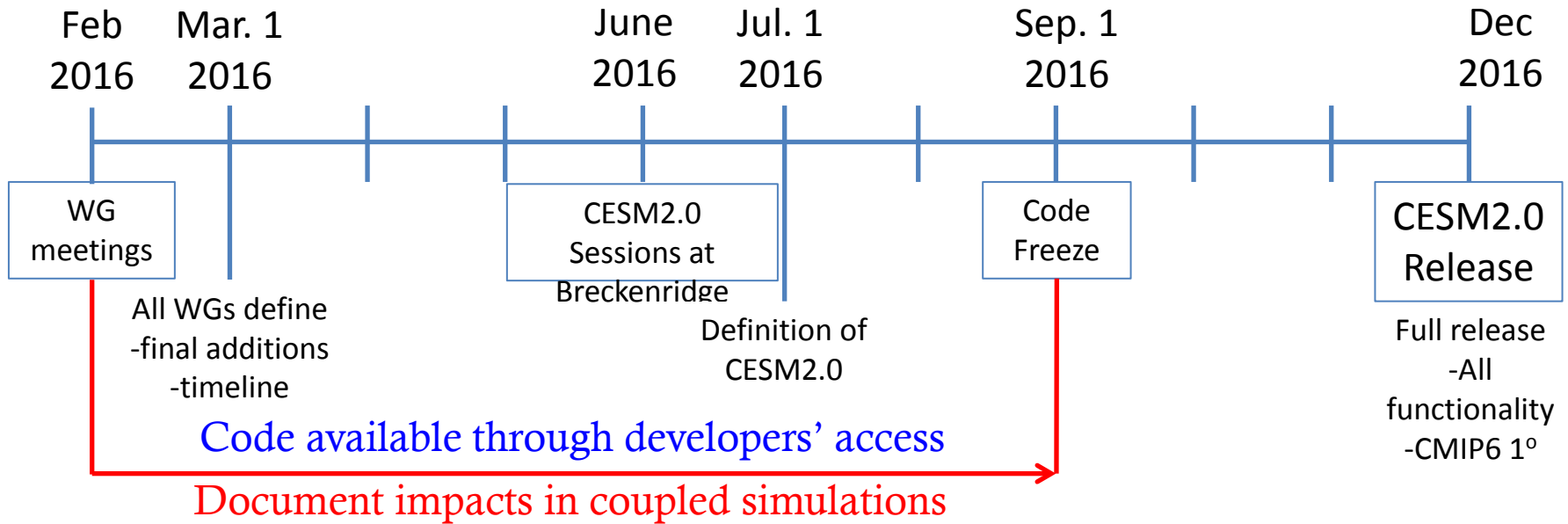
Pending approval by the SSC

Proposed revised timeline



Pending approval by the SSC

Proposed revised timeline



Pending approval by the SSC

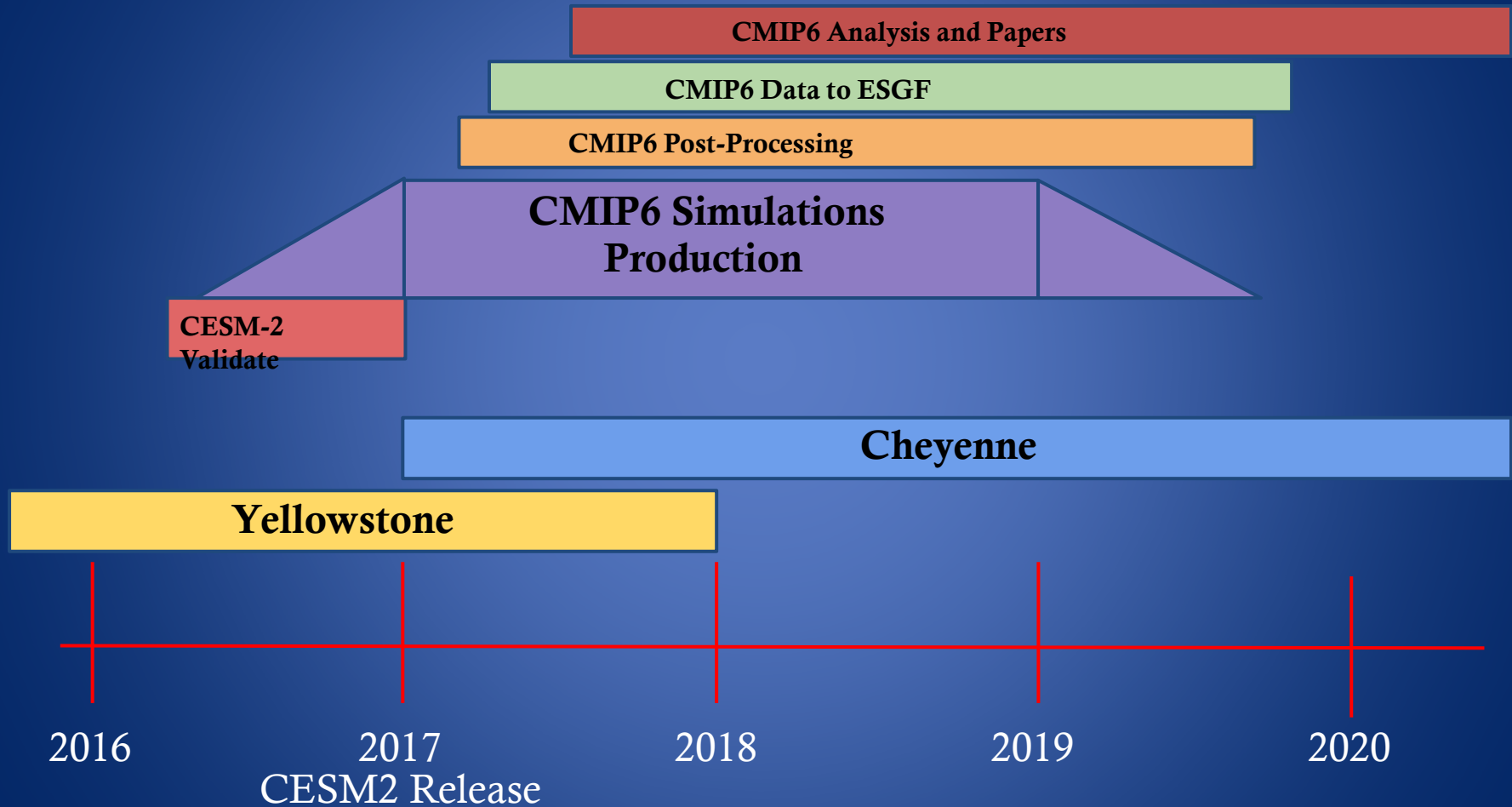
2014-2016 CSL proposal

- Reviewed by CISL HPC Advisory Panel (as all large computational requests)
- 2-year proposal
- Presentation made to panel Oct. 15 2015 for second year
- 115 Mcore-hours/year awarded (**Second year fully awarded in Oct. 2015**) (25,000 sim. Years)

2016-2018 Proposal

- Will include overlap of computers (Yellowstone and Cheyenne) in 2017
- New computer “Cheyenne” is 2-3 times Yellowstone in performance
- CMIP6 simulations will be a major focus (but not the sole focus)
 - > 115M on Yellowstone
 - > 230M on Cheyenne

NCAR CMIP6 Allocation Planning



Planning in collaboration with CISL

CMIP Analysis Platform

- A new NCAR service provided by CISL to address the Big Data storage and analysis problems.
 - Funded by NSF for the university community
- Available to any researcher who is eligible for a university Small or Educational allocation.
 - Researcher supported by an NSF award in an eligible domain.
 - A grad student or post-doc conducting their dissertation project or postdoctoral research project.
- CISL is prototyping service with CMIP5 data sets and preparing to scale up for CMIP6.

A service to meet community needs

CISL already has components necessary to address these challenges:

1. Large-scale analysis clusters (Geyser/Caldera)
 2. Large-scale disk storage (Glade: 16 PB)
 3. CMIP5 data
 - NCAR's CMIP5 data already hosted on GLADE
 - NCAR also part of ESGF
 - Local archive of CMIP5 data
- **Bringing the data and tools together to enable new insights in climate research!**