

# Update on CMIP7 planning and the CMIP-IPO

Jean-François Lamarque, CMIP chair  
Climate & Global Dynamics Laboratory (CGD)  
National Center for Atmospheric Research



December 9, 2021





CMIP

~~The King~~  
is dead,

long live

~~the King!~~

CMIP

# CMIP International Project Office

- First step: identification of a sponsor and host for the Project Office
  - Funding for at least 3 staff members for 5 years
  - 3 proposals were received
  - Winner was ESA, Harwell (UK)

# CMIP International Project Office

- First step: identification of a sponsor and host for the Project Office
  - Funding for at least 3 staff members for 5 years
  - 3 proposals were received
  - Winner was ESA, Harwell (UK)
- Second step: identification and hiring of IPO director
  - 3 proposals were received
  - Detlef Stammer/Mike Sparrow/myself were involved in the decision making process
  - Final negotiations between ESA and contractor

# CMIP International Project Office

- First step: identification of a sponsor and host for the Project Office
  - Funding for at least 3 staff members for 5 years
  - 3 proposals were received
  - Winner was ESA, Harwell (UK)
- Second step: identification and hiring of IPO director
  - 3 proposals were received
  - Detlef Stammer/Mike Sparrow/myself were involved in the decision making process
  - Final negotiations between ESA and contractor
- Third step: hiring of additional staff members
  - Target communication and technical support
  - Will start once the CMIP IPO Director is in place (should be beginning of 2022)
  - Expected to start first few months of 2022

## CMIP6 Survey

- Julie Arblaster (Monash U., Australia), Paul Durack (LLNL, USA), Claire McIntosh (ESA), Robert Pincus (Lamont-Doherty/Columbia, USA)

## CMIP6 Survey

- Julie Arblaster (Monash U., Australia), Paul Durack (LLNL, USA), Claire McIntosh (ESA), Robert Pincus (Lamont-Doherty/Columbia, USA)
- Has gone through (many) iterations to capture the breadth of potential responders
  - Modeling groups
  - Practitioner/data user/policymaker
  - Data provider
  - ...

## CMIP6 Survey

- Julie Arblaster (Monash U., Australia), Paul Durack (LLNL, USA), Claire McIntosh (ESA), Robert Pincus (Lamont-Doherty/Columbia, USA)
- Has gone through (many) iterations to capture the breadth of potential responders
- Contains both quantitative and qualitative questions
  - Enables a quick assessment of CMIP6 successes/pitfalls/failures/...
  - Enables feedback on what needs to change or stay the same



## CMIP6 Survey

- Julie Arblaster (Monash U., Australia), Paul Durack (LLNL, USA), Claire McIntosh (ESA), Robert Pincus (Lamont-Doherty/Columbia, USA)
- Has gone through (many) iterations to capture the breadth of potential responders
- Contains both quantitative and qualitative questions
- Currently undergoing final “friendly-users” testing
- Planning to submit it before the end of 2021, input received by end of January
- Will use CMIP IPO to help with analysis & summary

## CMIP7 planning

- Meeting with WGCM leadership (and others?) before summer to discuss findings from the survey (and using group feedback from this meeting)

## CMIP7 planning

- Meeting with WGCM leadership (and others?) before summer to discuss findings from the survey (and using group feedback from this meeting)
- Identification of the best team to carry the vision forward -> need to think of CMIP7 optimally (along the lines of what Ben discussed)
  - Co-design with WGII/WGIII from the start?

## CMIP7 planning

- Meeting with WGCM leadership (and others?) before summer to discuss findings from the survey (and using group feedback from this meeting)
- Identification of the best team to carry the vision forward -> need to think of CMIP7 optimally (along the lines of what Ben discussed)
- Timeline (from Greg)
  - WGI approval in ~2029, so working backward, that would mean literature and model output cutoff in ~2027-2028, which would mean we need to be ready to launch CMIP7 experiments in about 2025-26