

## Prediction & Projection

DCPP 

dcppB-forecast-cmip6


ScenarioMIP  

- (esm-)scen7-h
- (esm-)scen7-hl
- (esm-)scen7-m
- (esm-)scen7-ml
- (esm-)scen7-l
- (esm-)scen7-ln
- (esm-)scen7-vl

Highest priority  
scenario extensions,  
as defined in van Vuuren  
et al., 2025

## Process Understanding

### Attribution

AerChemMIP 

- (esm-)scen7-h-Aer
- (esm-)scen7-h-AQ
- (esm-)scen7-vl-Aer
- (esm-)scen7-vl-AQ
- hist-piAer
- hist-piAQ
- piClim-CH4
- piClim-N2O
- piClim-NOx
- piClim-ODS
- piClim-SO2

GeoMIP 

g7-1p5K-sai

PMIP  

abrupt-127k

DAMIP  

- hist-nat
- hist-aer
- hist-GHG

LMIP 

land-hist

### Characterisation

C4MIP   

- 1pctCO2-bgc
- 1pctCO2-rad
- esm-flat10
- esm-flat10-cdr
- esm-flat10-zec

CFMIP   

- amip-p4k
- amip-piForcing
- abrupt-2xCO2
- abrupt-0p5CO2

RFMIP 

- piClim-histaer
- piClim-aer
- piClim-histall

### Scientific questions



Patterns of sea  
surface change



Changing weather



Water-carbon-  
climate nexus



Tipping Points

## Assessment Fast Track