

KMA feedback : Plan for CMIP6

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Climate Model

✓ CMIP5

- HadGEM2-AO (N96L38)
- PI-control, Historical run, RCP runs

✓ CMIP6

- ACE 1.0 (AOGCM)

Atmos : UM v7.6 → GA6 + GL6 (N96L85)

Ocean + Sea-ice : MOM4p1 + SiS (~1 degree, L50)

Coupler : OASIS 3.2.5 → OASIS3-MCT

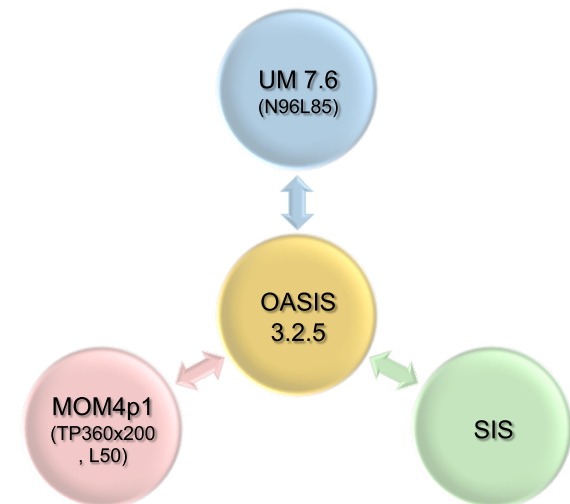
- UKESM1 with UKMO (ESM)

Different ES modules, resolution, .. (under discussion)

- Timeline

Model : ~2015

CMIP6 simulations : 2016~



CMIP6 simulations

ACE	UKESM1 (under discussion)
DECK simulations (PI-control, AMIP, 1%yr CO2, 4xCO4)	DECK simulations (PI-control, potentially the other?)
NUCLEUS (Historical run)	NUCLEUS (Historical run)
ScenarioMIP (Tier 1, potentially Tier 2)	ScenarioMIP (Tier 1, potentially Tier 2)
?	AerChemMIP (some parts of Tier 1)
?	LUMIP (some parts of Tier 1)
-	C4MIP (potentially)

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