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

<table>
<thead>
<tr>
<th>ACE</th>
<th>UKESM1 (under discussion)</th>
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| 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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