

The EC-Earth consortium

EC-Earth =
ECMWF S4
NEMO3.6
LIM3
TM5
LPJ-Guess
PISCES (test phase)
COSP

2014: ESM technically running
Early 2015: consolidation, portability
Mid 2015: tuning

France*
Météo-FR, CNRS, UCL

Ireland*
MetEireann, UCD,
ICHEC

Switzerland
ETHZ, C2SM

Norway
METU, Eierkn. C.

Italy*
CNR, ENEA

Sweden*
SMHI, Lund U, Stockholm
U, IRV

Spain*
AEMET, BSC, IC3

Finland*
FMI, Uni Helsinki

Belgium
UCL

Germany
IFM/GEOMAR, KIT

DECK-simulations

- **GCM-only:** all runs will be possible (distributed effort)
- **Full ESM/passive carbon:** depending on timing of exp, and stability of model
- **Interactive carbon cycle:** ocean biogeochem not mature at this stage

EC-Earth interest in MIPs

- Systematic errors
 - HiRESMIP (dep. on H2020 PRIMAVERA)
 - OCMIP
- Forcing
 - AerchemMIP (dep. on H2020 CRESCENDO)
 - LUMIP
 - CFMIP & RFMIP (dep. on H2020 IMPULSE)
 - LS3MIP (dep. on Marie Curie fellowship)
 - PMIP
 - ISMIP6*
 - GEOMIP*
- Scenario
 - ScenarioMIP
 - S2DMIP

* = not listed in inventory

Infrastructure and resources

- Technical working group and CMIP6 coordination in place
- Multi-group effort
 - many MIPs are interesting to the group...
 - ... but staff, scientific interest & “technical readiness” varies over consortium
- Efficient CMOR-izing and ESGF config have priority