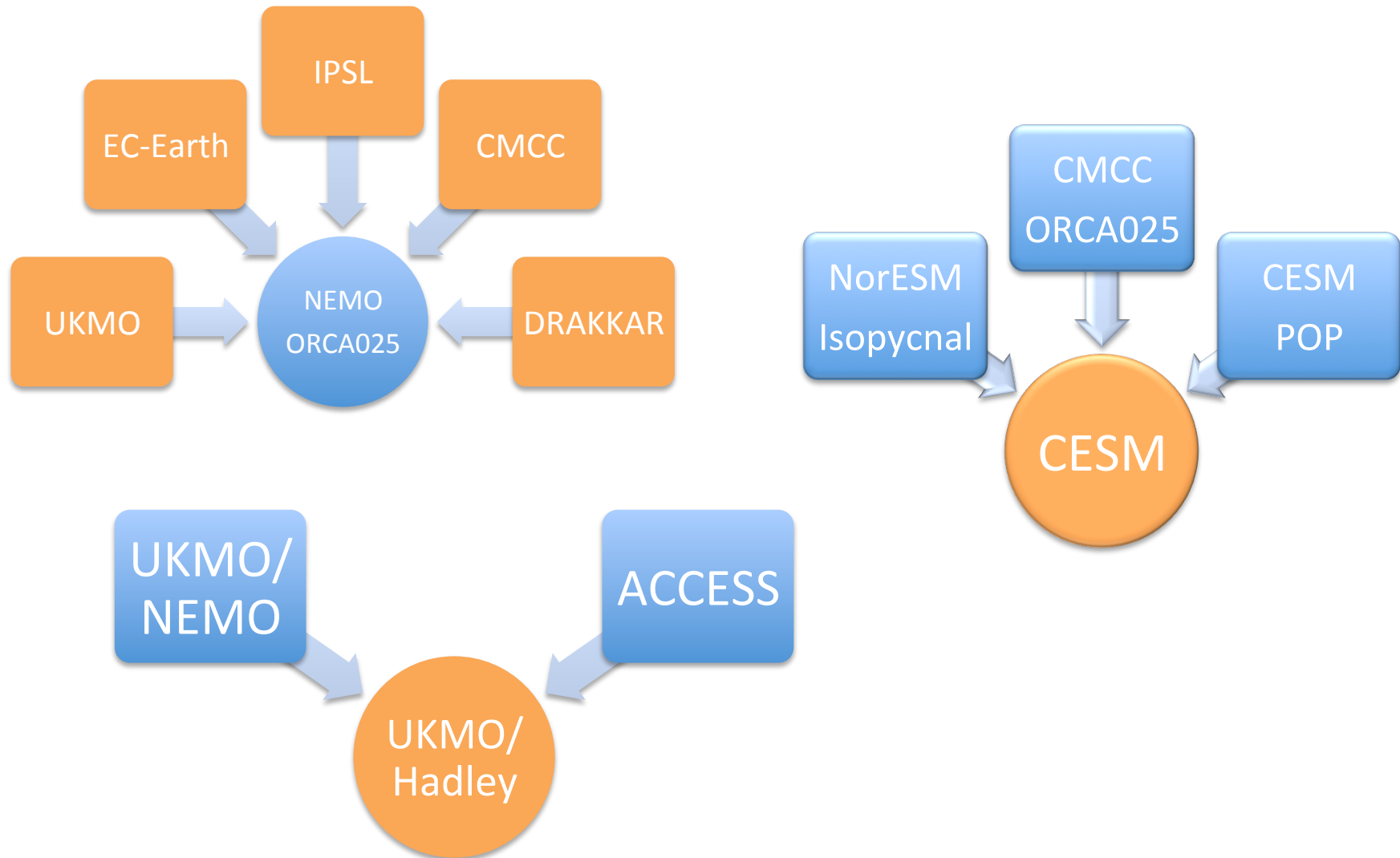


Session 7 Discussion

- Future Programs and Projects, Collaborations
 - HiRES MIP
 - U.S. DOE ACME
 - Opportunities for collaboration within model families
- New & Revised CORES
 - CORE-3 (Gerdes)
 - CORE-CRF (Marshall)
 - CORE-HiRes
 - CORE-1/2 revised thermal damping, AMOC stability
- Scale Adaptive Parameterization in the Eddy-Admitting to Eddy-Rich regime
- Process investigations that would benefit from WGOMD coordination

Some Model Families



New and Revised CORES

- Climate Change COREs
 - CORE-3: Greenland FW impulse (Gerdes)
 - Climate Response Functions (Marshall)
- CORE-1/2 revision for AMOC/salinity drift
 - Scale selective & reduced strength thermal damping
- CORE-1/2-High Resolution
 - Forcing: resolution, thermal damping
 - Spin-up, integration protocol, ensembles
 - Assessment strategy, metrics, collaborative science

Forcing Considerations

The Role of Temperature Feedback in Stabilizing the Thermohaline Circulation

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(Manuscript received 12 October 1993, in final form 28 June 1994)

CheapAML: A Simple, Atmospheric Boundary Layer Model for Use in Ocean-Only Model Calculations

BRUNO DEREMBLE, N. WIENDERS, AND W. K. DEWAR

Department of Earth, Ocean, and Atmospheric Science, The Florida State University, Tallahassee, Florida

(Manuscript received 27 September 2011, in final form 3 August 2012)

EMAD: an empirical model of air-sea fluxes

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(Manuscript received March 8, 2005; in revised form September 6, 2005; accepted October 10, 2005)

- Ease of implementation across models
- Accuracy
- Global balance
- Space/time resolution appropriate for HR ocean models
- Forcing period
- Climatology and inter-annual?
- Utility in day-to-day development
- A champion and ongoing support

Parameterization

- Scale adaptivity
- Deterministic vs. stochastic
- Sharing modules/codes