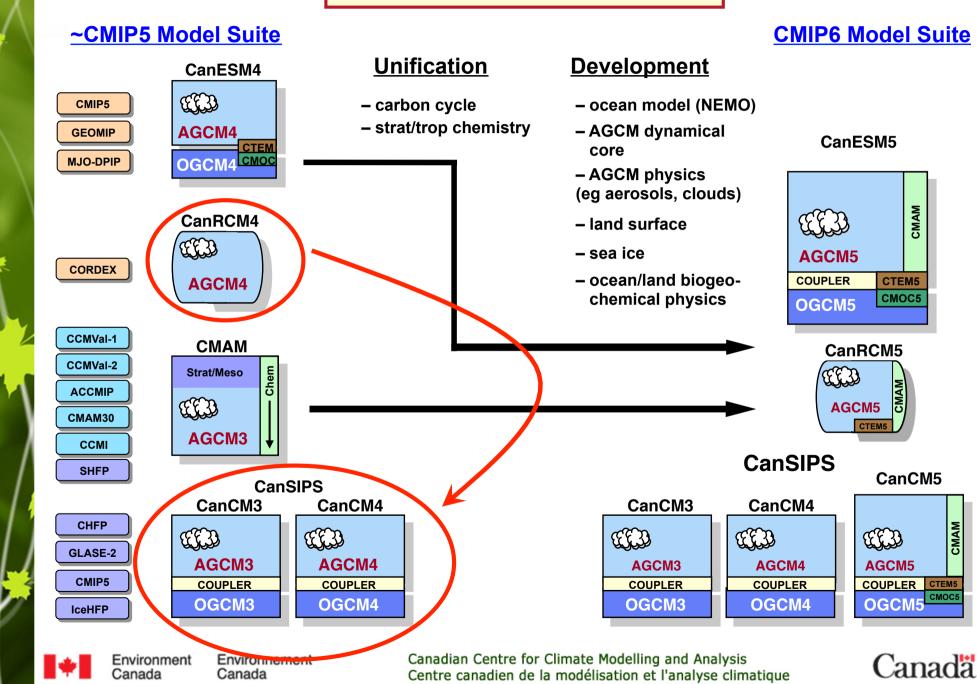
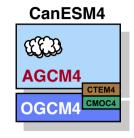
CCCMa Model Development





Model (Physics) Development at CCCma



1) Version response changes

When significant changes are detected, how can we determine what model changes were responsible

- AMIP simulations
- 1850 preindustrial control
- CMIP5 Historical simulations
- CMIP5 future RCP simulations
- Hansen/Gregory radiative forcing simulations





CanESM5

CTEM5

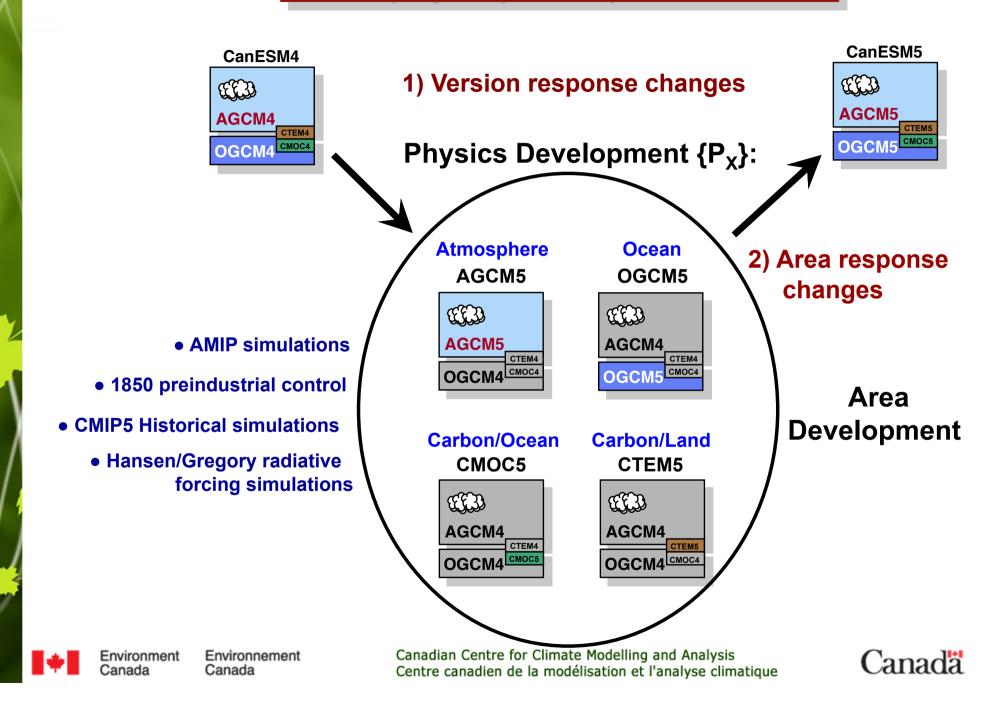
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EB

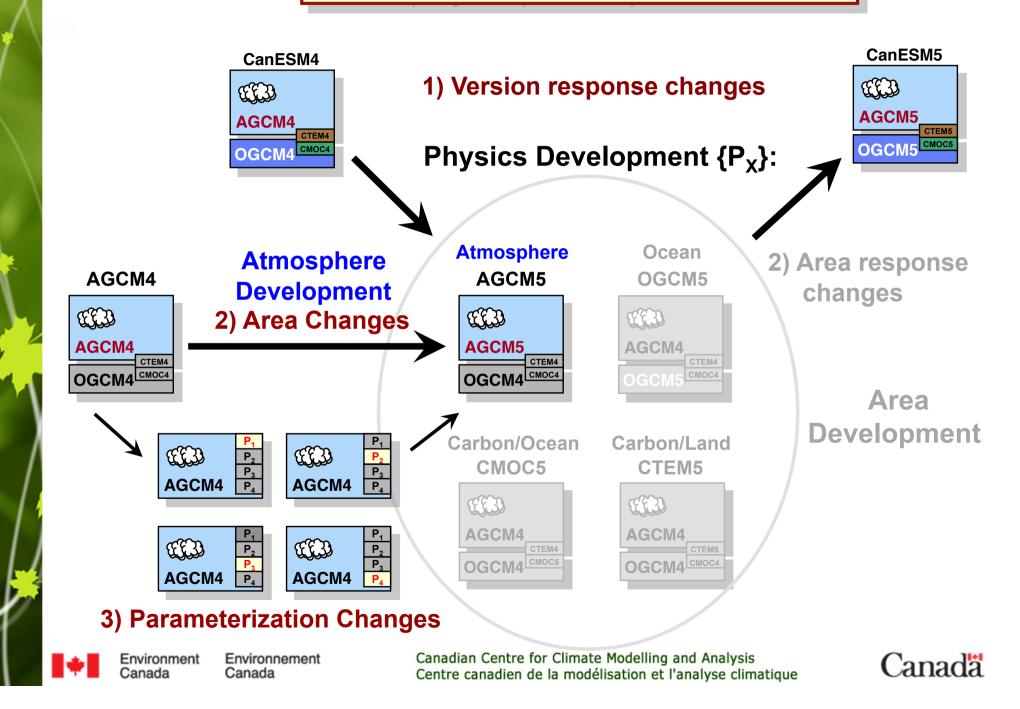
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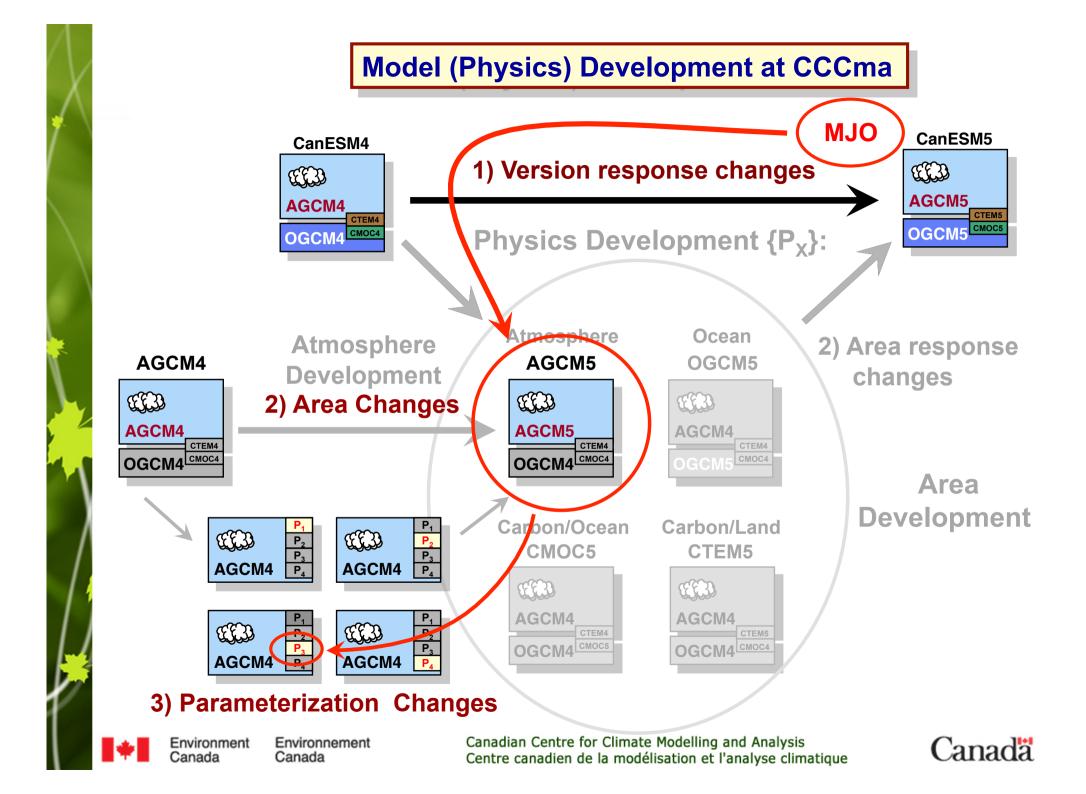
OGCM5

Model (Physics) Development at CCCma

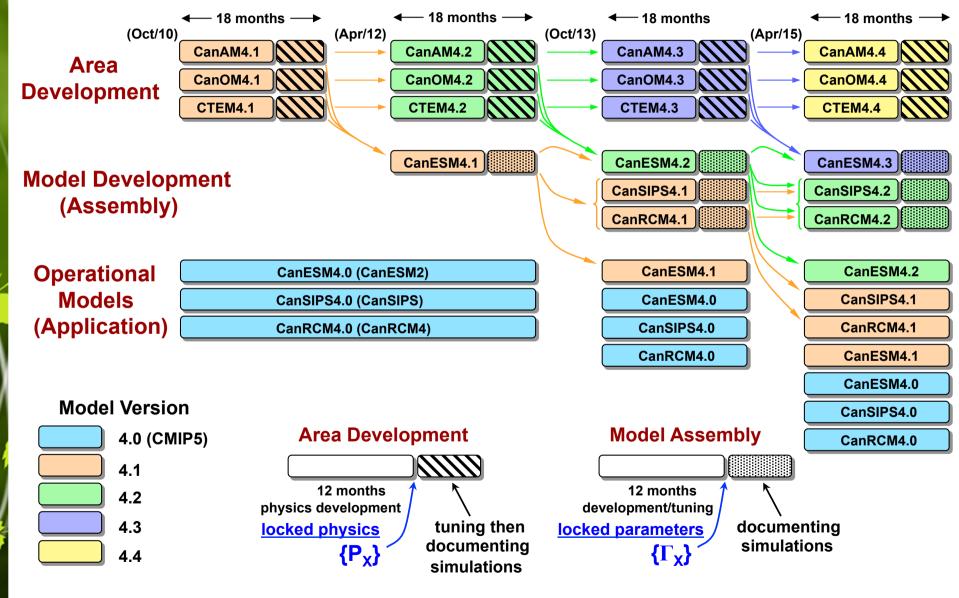


Model (Physics) Development at CCCma





CCCma 18 Month Cycle of Model (Physics) Version Development



Environment Canada

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