



## **First result of a global cloud resolving simulation with realistic topography**

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We are developing an AGCM with icosahedral grid named NICAM (Nonhydrostatic ICosahedral Atmospheric Model), which is effective for calculation with horizontally high resolution. On 2004, we have performed global cloud-resolving simulations with horizontal grid intervals  $dx = 14\text{km}$ ,  $7\text{km}$  and  $3.5\text{km}$  on an aqua planet setup (Tomita et al. 2005). In this experiment with no topography, multi-scale organization of tropical cloud systems with convectively coupled Kelvin waves are obtained. We are now performing on CFMIP-like condition with realistic topography, and we will show the first results at the meeting.