



***BRAMS/OLAM:
DEVELOPMENT PLANS
AT CPTEC/INPE***

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NEXT RELEASE

- BRAMS v4.0 due late June – early July
- BRAMS v4.0 = BRAMS v3.2 +
 - Update to RAMS v6.0
 - CATT-BRAMS
 - TEB
 - Sequential Execution Time Optimizations
 - Binary Reproducible on Shaved Eta
 - ...





WHAT'S COOKING?

- Grell super-parametrization training
- Simplified and elaborated ozone photochemistries; aerosols and cloud microphysics
- Dynamic vegetation (GEMTM and IBIS)
- Improvements in SIB 2.5
- Improvements in the turbulence scheme
- Coupling a distributed hydrological model
- Physical Space Assimilation System (PSAS, short term), both for BRAMS and OLAM
- Local Ensemble Kalman Filter (LEKF, long term), both for BRAMS and OLAM





WHAT'S COOKING?

- Single, optimized physics for RAMS, BRAMS and OLAM
- OLAM daily tests in an operational context (forecast and assimilation)
- OLAM parallelization (target: MPP)
- OLAM coupling with an oceanic model
- Enhanced documentation (user and programmer guides)

