

**1<sup>st</sup> INTERNATIONAL WORKSHOP OF EULAG USERS**  
FINAL SESSION: FRIDAY 10 OCTOBER 2008 9:00 – 12:00

**DISCUSSION ON EULAG**

BASIC THEME: Open discussion on any and all aspects of EULAG (numerical, physical, organizational, ...)

**Q: What kinds of things would you like to see regards use/improvement of EULAG?**

**Organization of responses:**

1. Web site development: NCAR & WARSAW
2. List of special developments, e.g., new microphysics, radiation codes, MHD, etc, and addresses of “developers”.
3. List of special diagnostics, e.g., energy and vorticity budgets, etc, and addresses of “whom to contact” to obtain them.
4. Guidelines for “contributions”, i.e., new routines must follow basic design of reference code, e.g., dimensioning of arrays, loop structure, gen. coord. etc.
5. Near term F77 reference code set up for particular simulation. Code contains “standard” options:
  - Serial and parallel NETCDF
  - Time variable environmental states
  - Moisture, chemistry
  - Algebraic and nested grid generators
  - POLES 1 option
6. Clear guidance on how to modify reference code setup (via examples?)
  - Surface fluxes
  - GA, topography
  - Other setups (say, mesoscale flow over mountain)?
7. Centralize common blocks (in addition to insuring common blocks stay consistently defined and are not overwritten, this will facilitate move to F90)
8. Longer term reference code: F90 version
  - Move to F90 as development platform
  - Initial F90 changes relatively simple – just make code compatible, work in advanced features of F90 later.
9. International support for collaboration (travel, software engineer...)? Seems this will continue to be done on individual basis...