

# WORKSHOP ALADIN 2006

Jean-Daniel Gril

- Pinuts
- Geometry
- Partners' model Database-Web

# PINUTS

- Why has PALADIN ended ? Because :
  - FA/LFI links now GRIBEX.
  - It's difficult to maintain a compatibility between two packages (fal<sub>i</sub>,gribex) with the model version.
  - All partners have and use the latest fa/lfi in model-export package; it's the same for gribex (with libemos) from ECMWF.
- So, Pinuts' born !

# PINUTS

- Pinuts : acronym for Pinuts Is New Useful Tools.
- Pinuts contains :
  - Libraries (« jdglib », eggxpack, fft, dummy). *The most important is that the eggpack is the same as in the model : so, in the dummy lib we have now a dummy Doctor Hook routine, « include interfaces », ....*
  - Programs (frodo, edf, ecto, domolalo, coneo, pseudo). *The plans for the future are geoview (based on NCAR), a domain creator on an existing mesh/projection parent domain, a tcl/tk interface for MAKDO.*
  - I have tried all codes on Intel9.0 & G95 compilers to ensure a maximum compatibility with the Fortran norm.
- An idea is to include Pinuts as a part of the export model.

# GEOMETRY

- In cycle 31, the geometry seems OK (works with the 3 configurations & with the Mercator Rotated/Tilted projection) except for unknown bugs !!!
  - NCADFORM=1 is the default case (LNEWGEOM=.TRUE. in lamflag\_odb\_select).
  - Initialisation of ELAT0/ELON0 at 0 in Lat/Lon to prevent any problems in Echien (Clim files & Full Pos)
  - NCADFORM=0 & LMRT=.T. => Abort
  - I debugged lamflag\_odb\_select (ELONC=ELATC ?@&!, line 228) and renamed the variables of domain definition to be different from the model (NDLUN -> NFDLUN, ...).
- The Doc on GMAPDOC will be updated.
- Export cycles 29t2 & 30t1 are OK except for Mercator in Lamflag\_odb\_select (bug line 228).

# PARTNERS' Model DataBase

- A future proposal will be to create a dedicated, protected website for operational & export version. Inside, a tool form will enable partners to fill and maintain a database for :
  - The software used (cycle code & the domains for forecast, coupling,...)
  - The hardware used
- This database will be useful for the Toulouse Team (and others partner) in preparing modifications (switch, ...). It will be the reference for the state of your model.
- Patricia and I will create a framework and it will be up to the partners to update it with the latest informations.

THANK YOU FOR YOUR  
ATTENTION

...Any questions ???