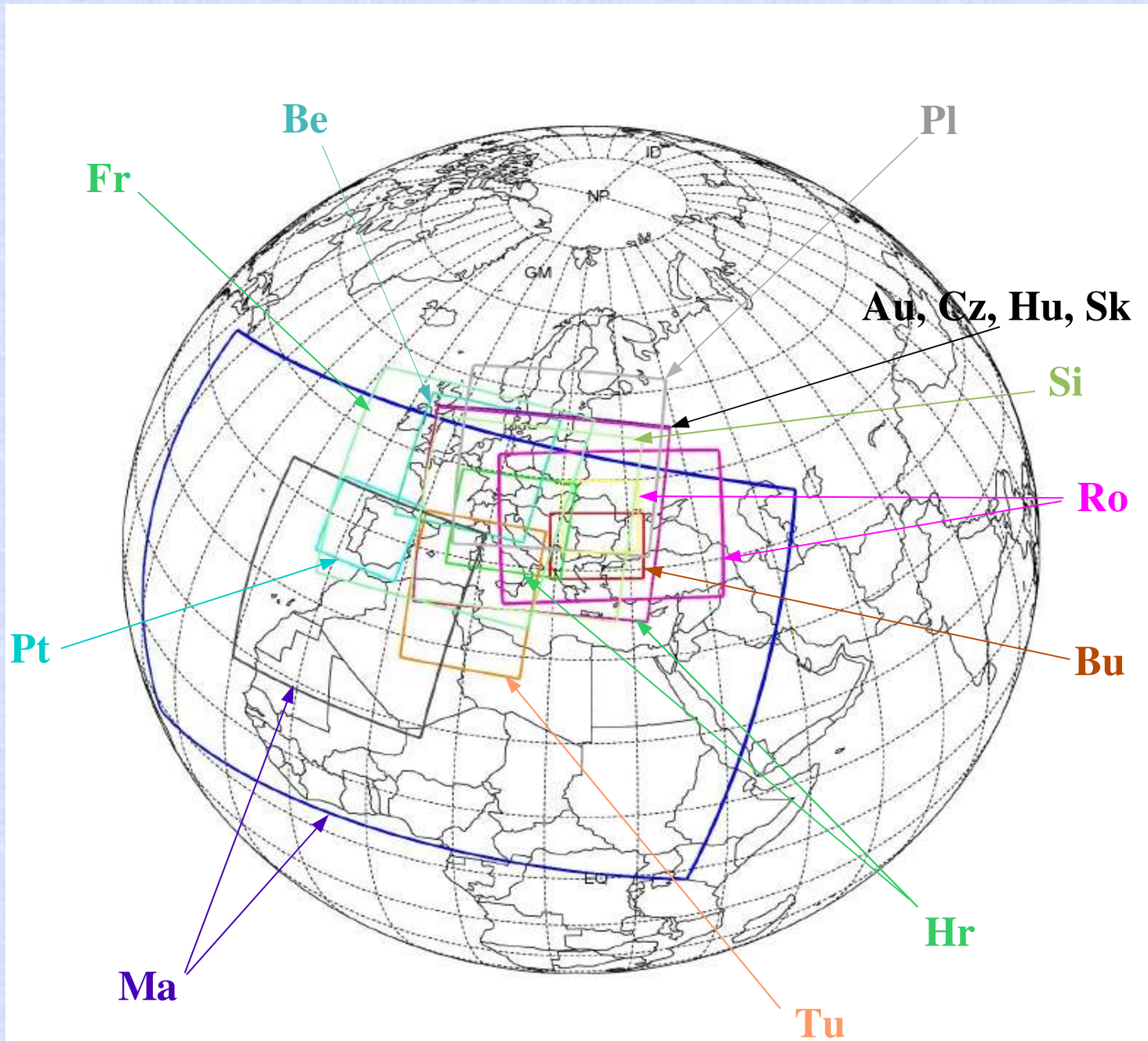


OPERATIONAL ALADIN APPLICATIONS

Autumn 2005

Dominique Giard (with help from Maria Derkova)

MAIN OPERATIONAL FORECAST DOMAINS



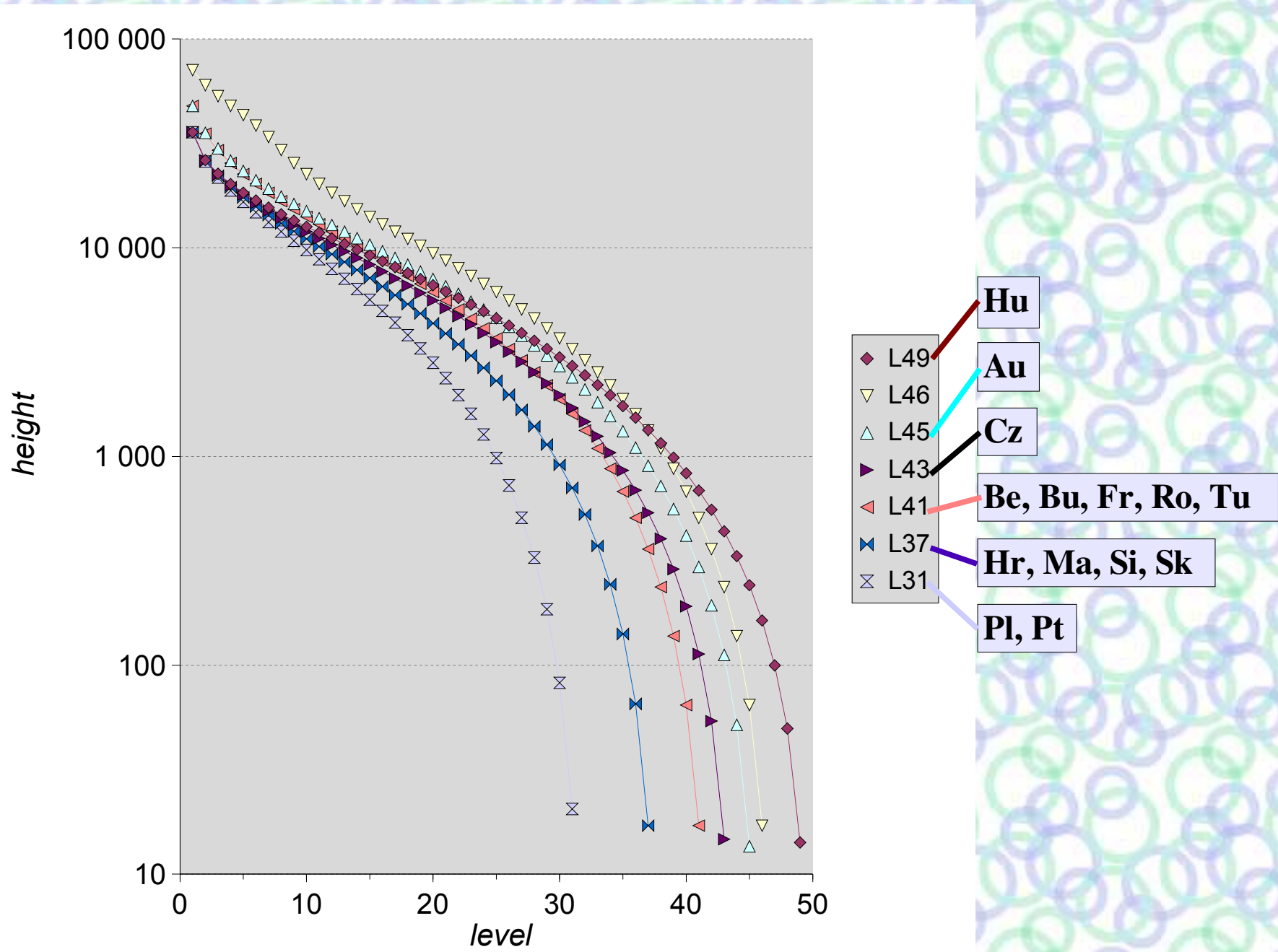
Thanks Jean-Daniel Gril for the map

MANY DOMAINS !

around 70 ...

- ✓ 9 for sending coupling data
- ✓ 17 for "synoptic" forecast
 - horizontal resolution from 7 to 31 km
(7.0, 8.0, 9.0, 9.5, 9.6, 10.0, 12.2, 12.5, 12.7, 16.7, 24.0, 31.1)
 - horizontal extension from 1700 km×1700 km to 6300 km × 9700 km
- ✓ 13 for local very high resolution dynamical adaptation
 - for wind and precipitations
 - horizontal resolution : 2-3 km
 - domains from 150 to 450 km wide
- ✓ ~26 for post-processing
- ✓ + those for parallel or back-up suites, assimilation, ...

AND 6 DIFFERENT VERTICAL GRIDS



A REAL DIVERSIFICATION OF OPERATIONAL APPLICATIONS

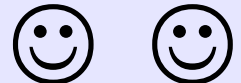
In domains and resolutions (*horizontal*, grid-point & spectral, *and vertical*)

In the choices for **physics**

In the choices for post-processing

In the model version too : from cycle 12 ☹️ to cycle 29 😊 now !

New ! 2 operational 3d-var assimilation suites,



in Hungary (Spring) and in France (Summer)

+ a blending suite in Czech Rep.

and many plans by other partners (3d-var and/or surface assimilation)

Diagnostic analyses for nowcasting by 3 partners (*for the while*)

and Algeria has just started daily runs

A COMMON UPDATE OF OPERATIONAL SUITES

- When ?

end of November

but some modifications were waiting for years

- Why ?

change in "physiographic" databases

changes in file format, bug corrections

changes in the content of "telecom" files

number of levels, new fields

- Side effects :

detailed information on operations now available

correction of a few problems

preparing the joint "jump to ALARO" (SURFEX)

That's just a starter !