

The AROME conclusions

- This school was great (thanks to the organizers and to the students !)
- Let us not miss our planes and/or lunch

on the future of Arome physics

- today, dominated by Méso-NH, but...
- in the future, a free competition between various options: Aladin, Alaro, Hirlam...
 - hopefully with free & friendly scientific exchange of ideas
 - encourage cultural diversity; but avoid work duplication
 - pursuing contradicting options is ok because we need solutions for the short and the long terms
- ...towards the **post-Aromatic Europe**:
 - a common software basis with many options
 - coordination: per-process/per-application, rather than per-model
 - prediction: *model names will disappear*. Consortium brands will mean ‘application systems’, instead.

On the status of AROME

“A good gardener is not proud of his gardening tools. He is proud of his garden.”

Jean-Marcel Piriou, 2002

on the future of mesoscale NWP

- a model software has **no value** (freely downloadable)
- meteorological products and expertise **have value**:
 - NWP: timely, good-quality, adapted to user needs
 - reanalysis data (environment, climate change...)
 - user-oriented modelling: reforecast (insurance, science), impact experiments (obs network planning, assess predictability...)
 - new local priorities: nowcasting, air quality, hydrology
- no good NWP without good computers, telecoms and product generation
- local observations & NWP have **more value** if they are assimilated (but local obs preparation is a lot of work)

Expanding the scope of NWP consortia

Example: mesoscale reanalysis

- An important topic in 2006
- Some important users need 30-50 years of 10km-resolution fields:
 - Climate change assessment
 - Risk mapping
 - Environment monitoring
- A **big opportunity** for extra funding & structuring with EU & making better products
 - For reanalysis: **better surface analysis**, coupling with IFS, observation archives
- BUT a wider scope for modellers...And bosses:
 - Need to **distribute, not duplicate**, software development & production
 - Need to **talk** with our climate/obs/hydrology/etc colleagues
 - Need quick decision-making at european met services level (i.E. Work **across consortia**)

Quidquid latine dictum sit, altum sonatur

Whatever is said in Latin sounds profound.

Thank you for your participation !