

Open Discussion

NH at 2.5 km really needed ?

21 November 2005 - Poiana Brasov

Current situation :

- At 2.5 km we have not found a real case for which NH in itself changes dramatically the forecast (only "details" are changed)
- Warning : this does not mean that there are no such cases
- We have no routine comparison on a daily basis → work needed ?

Future :

- We know that one day in future NH will become compulsory
- It will cost (a bit)
- For most days, NH will not change the forecast (large anticyclone on LAM domain)

Question :

Is it worth to use a costly NH everyday for improving only details and only for some days in the year ?

Future :

- We could say the same the same for costly physics...
- The current philosophy of NWP is to used statistically best-suited unique tool
- Switching to NH when it will become compulsory is not a trivial exercise, and requires a preparation
- If we want to stay in the competition we must be able to prepare for routine NH NWP
- For an isolated country staying H at 2.5 km is maybe OK but not for ALADIN as a group