

ALADIN 06/07: achievements, problems & outlook

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Main achievements since Sofia (1/4)

- After a difficult start, the new financial mechanisms start to play its full role:
 - **For the first time, all ALADIN Members are represented at the workshop;**
 - In the 2006 kick-off year, 31 k€ of ‘flat rate money’ helped financing 14 missions and 6 scientific stays;
 - In 2007, the plans are 72 k€ for 16 missions and 17 scientific stays.
- For the ‘support aspects’ the 2006 budget was about as expected (356 k€ against the planned 362 k€).
- The picture is however less favourable for ‘in kind’ contributions => need for some improvement there in the future, against a risk of too individualistic efforts.



Main achievements since Sofia (2/4)

- Even if a bit slowly, the change of emphasis in the role of LTMs, their increased coordination and the links between transversal and local activities are all on the 'green' side.
- This is particularly true for the (previously very contentious) issue of the coordination between operational changes in ARPEGE and induced impacts on deported ALADIN applications.
- The ALADIN strategic document is progressing well, with a good balance between its components and under a broad consensus. It should in turn foster mid-term planning.

Main achievements since Sofia (3/4)

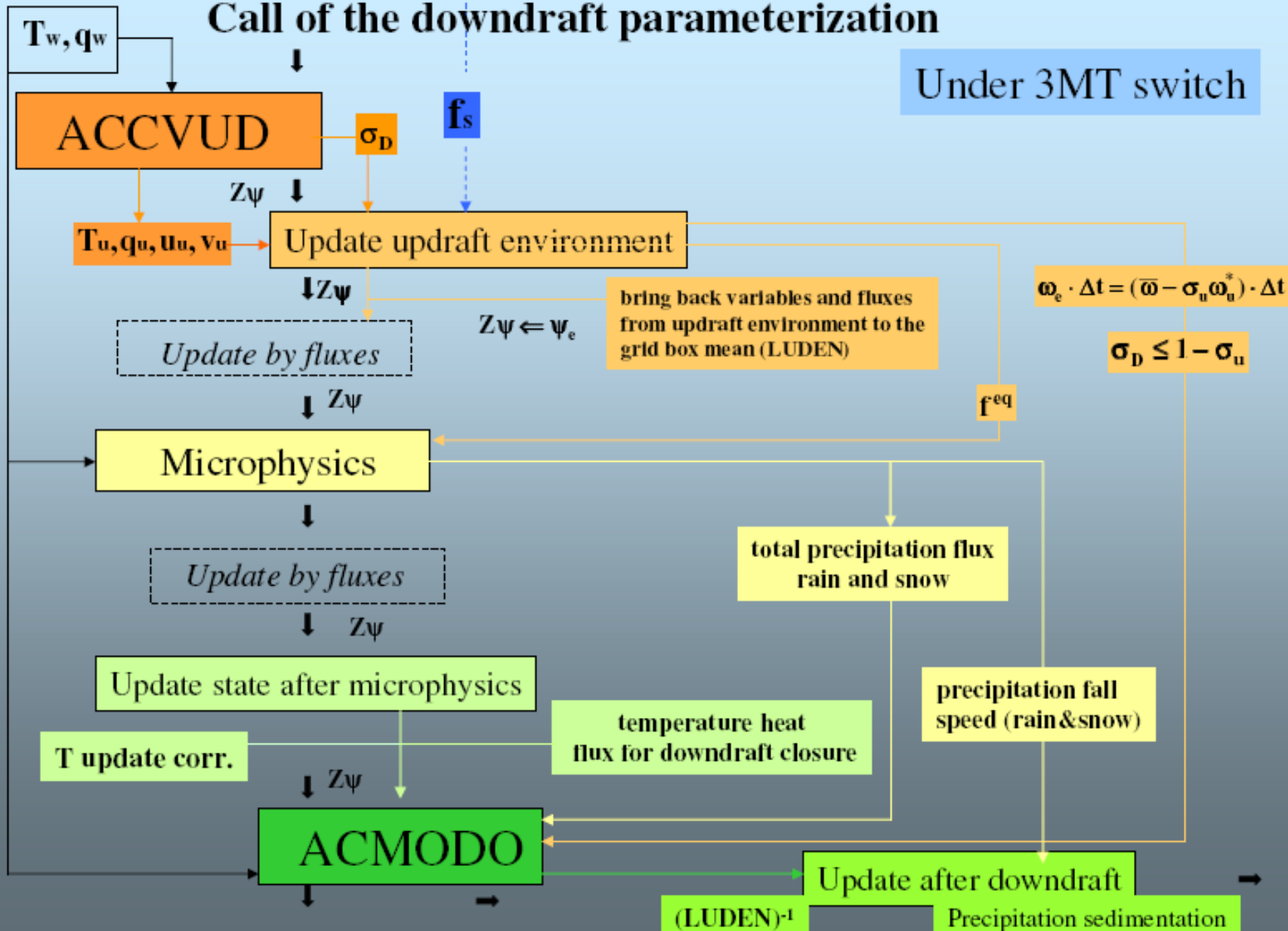
- Despite often cliff-hanging, the 2005 ‘truce of the workstreams’ will very likely last until AROME becomes operational in Toulouse.
- The response of 9 Partners to Météo-France’s call for more scientific maintenance on the side of ALARO-0 did lead to a positive focussing.
- Survey of the progress on the common part of the HIRLAM and ALADIN plans indicate a correct rate of realisation. In fact:
 - In Bratislava we envisaged the working practices;
 - In Sofia we went to the methodology;
 - In Oslo we look at the details for difficult issues;
 - In Brussels we shall start assessing the outcomes;
 - Later we should avoid being bored by ‘routine topics’!

Main achievements since Sofia (4/4)

- The symmetry in scrutiny between ALADIN and HIRLAM communities anyhow already helps to have better plans on each side. This is especially true for data assimilation and dynamics but also (yet to a lesser extent) for physics and system issues.
- HARMONIE has had a leading role in the evolution of the NWP-vision into an EUMETNET first (even if timid) planning concretisation (on 'interoperability').
- Romania joined RC LACE, thus increasing the stabilising role of the latter inside ALADIN.
- Turkey's concretisation of its Acceding Membership is progressing.

Call of the downdraft parameterization

Under 3MT switch





Long-lasting or new problems (1/2)

- The ALADIN-2 ‘decentralisation thrust’ had clear beneficial effects, but a negative side effect: a stronger disconnection between those Partners fully networked and those concentrating on bilateral relations with Météo-France.
- The ‘new governance’ has not yet found its counter-powers and hence its correct balance.
- The situation for the ‘physics’ (taken here directly at the HARMONIE level) is evolving parallelly in two contradicting directions:
 - The progressive built-up of ‘fortresses’ where scientific and environmental characteristics protect each other;
 - The rather chaotic juxtaposition of codes following uncoordinated paradigms and presenting variable degrees of flexibility/modularity.

Long-lasting or new problems (2/2)

■ The LAM-EPS situation is also ‘contrasted’:

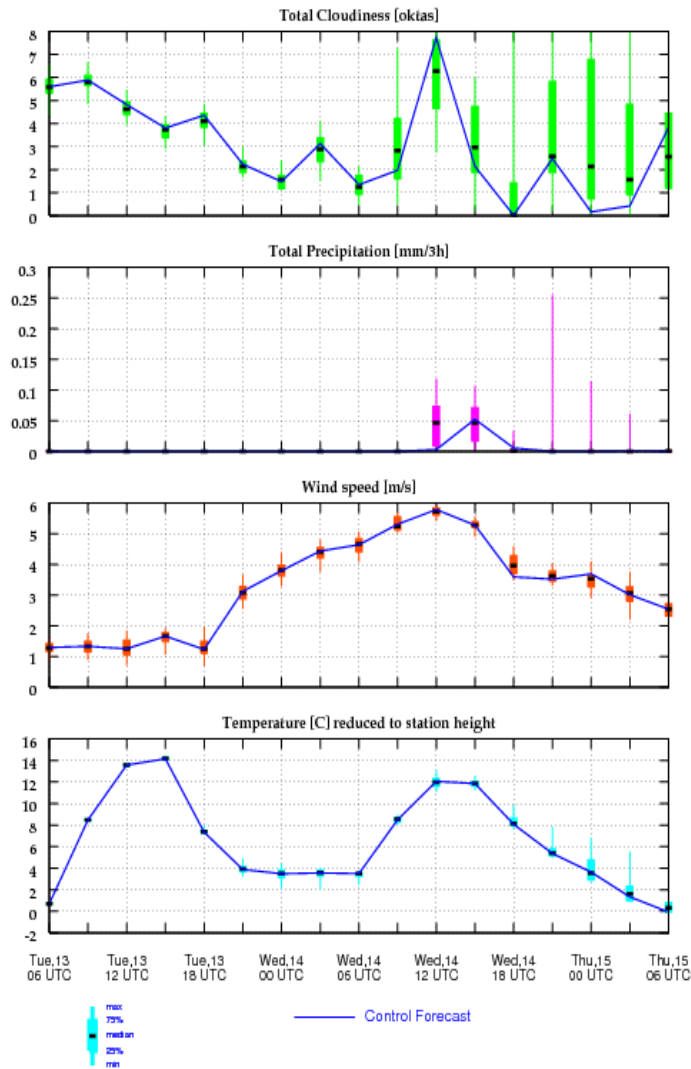
- The planning steps (GLAMEPS and EurEPS, even if delayed) and the realisations (LAEF) are rather healthy.
- The coordination and the use of the work force are obviously sub-optimal on the ALADIN side. This was identified at the Budapest General Assembly and starts to worry our HIRLAM contact points.

■ The surface aspects (model and data assimilation side alike) are well monitored and the plans are correctly identifying priorities (especially since the SURFEX Workshop), but the whole effort still seems to lack a guiding thread.

■ The dynamical aspects are understaffed (even if there seems to be some long-term hope for the transparent LBC problem in spectral conditions).

LAEF (22 members) EPSgram

ALADIN-LAEF EPSgram (16 members) from 20070313, 00 UTC
11035 Wien (16.36; 48.25; 203m)
EPS Distribution, Deterministic and Control Forecast

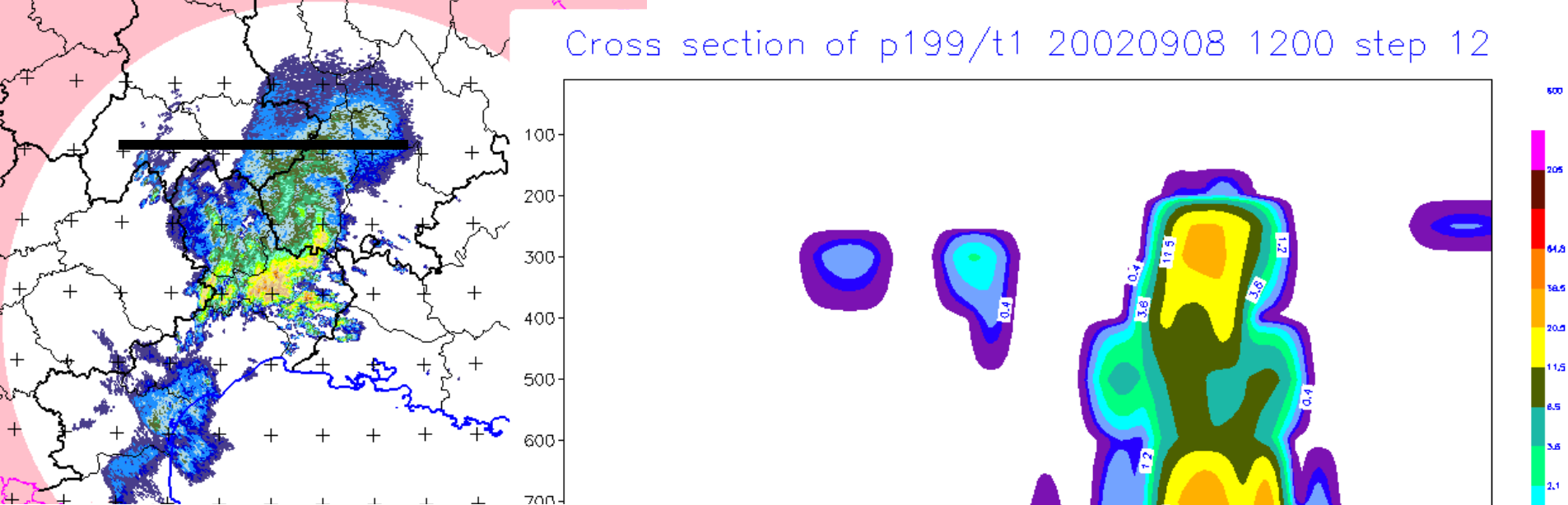




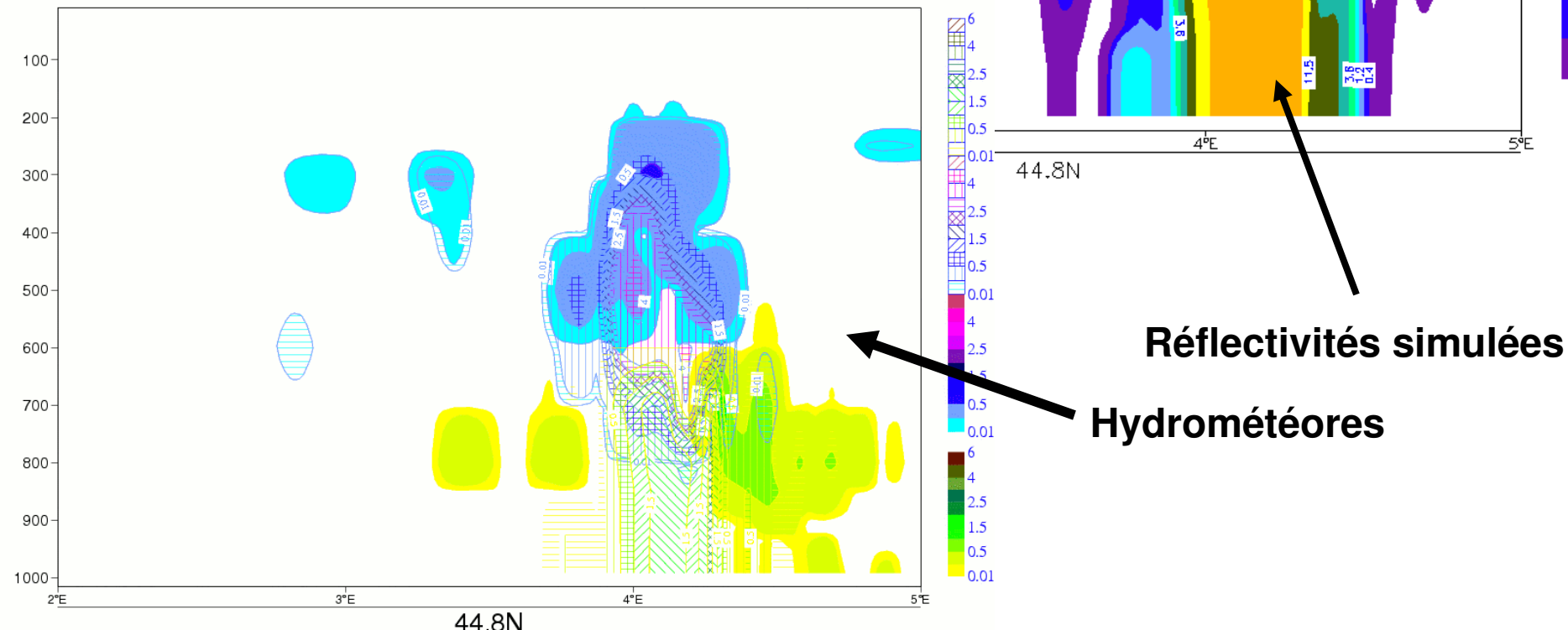
Outlook (Oslo => Brussels)

- The year ahead should be marked by the start of the AROME operational qualification in Toulouse.
- Many things should in principle happen starting from this new situation. It is very hard to predict how they will evolve and how we can master them.
- In any case, as already mentioned, HARMONIE will undergo the transition to actions with deliverables and SRNWP will accomplish the start of an in-depth evolution.
- The new ALADIN governance should probably also find a kind of balance (even if not the final one) in the said period.

Cross section of p199/t1 20020908 1200 step 12



Cross section of p194/t1 20020908 1200 step 12





Conclusion

Try to keep a part of this mixed bag in mind
during the next four days

and

enjoy all the spirit and strength of such a big
gathering of people who know how to both
argue and progress together.