

Interactive comment on “Experiences with distributed computing for meteorological applications: Grid computing and Cloud computing” by F. Schüller et al.

F. Schüller et al.

felix.schueller@uibk.ac.at

Received and published: 27 May 2015

Reviewer comments are shown in bold. Please find the latexdiff version of the paper as supplement pdf.

The paper would be stronger if the authors ran the same applications in both grid and cloud. I initially thought to request such experiments as a condition for acceptance, but upon further consideration I concluded that the lessons learned were sufficiently valuable in themselves. But if the authors could do this, that

C881

would be useful.

Unfortunately we do not have the resources to run these experiments. This is one of the reasons why we chose the word "Experiences..." and not "Comparison" in the title. To make this clear right from the beginning, we included this information at the end of the introduction.

In Section 2.1.1 and 2.1.2, the authors seem to be reviewing Grid and Cloud with respect to a pre-defined set of criteria. (E.g., at the end of 2.1.1, they write: “The limited amount of resources never influenced us as they were always vast enough to not hinder our models.”) If indeed the criteria come from elsewhere, can you say where?

The criteria are extracted from various references, most notably Foster et al (2008), Mell and Grance(2011), Hamadaqa and Tahvildari(2012), and Foster and Kesselman (2003). We rewrote the first sentence of the last paragraph of 2.1 to emphasize this more.

Table 1 duplicates data that is available online, in an up-to-date form. I don't see that it is necessary.

We included this table to have a reference to the prices at the time we conducted

C882

the experiments and calculated the costs. As prices vary regularly we think this is beneficial for our readers. To make this more clear and follow your suggestion, we removed all entries that are not mentioned in the paper and adjusted the caption accordingly.

Please also note the supplement to this comment:

<http://www.geosci-model-dev-discuss.net/8/C881/2015/gmdd-8-C881-2015-supplement.pdf>

Interactive comment on Geosci. Model Dev. Discuss., 8, 1171, 2015.

C883