

## ***Interactive comment on “HCLIM38: A flexible regional climate model applicable for different climate zones from coarse to convection permitting scales” by Danijel Belušić et al.***

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Dear authors, dear editor,

A short comment to update you with the latest references concerning the use of ALADIN and AROME in climate mode at CNRM. So probably some of those references can fit in your section 2.3. I let you decide what is relevant.

- I think that it is worse mentioning that ALADIN has been used in climate mode for more than 10 years (see for example, Radu et al. 2008, Déqué and Somot 2008, Colin et al. 2010) in particular in projects such as ENSEMBLES or CORDEX.

C1

- Before being used in cycle 41t1 (Coppola et al. 2019), AROME has been used in climate mode at CNRM with the cycle 38 (same cycle you are describing in this GMDD) to explore the added-value of such CPRCM with respect to a twin 12km ALADIN simulation. References are: Déqué et al. 2016, Fumière et al. 2019

- There are references for the use of ALADIN in a fully coupled framework, the so-called RCSM configuration including the sea and river representation. For example, Sevault et al. 2014 (CNRM-RCSM4) and Darmaraki et al. 2019 (CNRM-RCSM6 the latest version based on ALADIN v6.3).

thank you in advance to take into account this comment

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C2

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