

# EGUSPHERE-2022-1125 | Development and technical paper

Submitted on 20 Oct 2022

## Passive-Tracer Modelling at Super-Resolution with WRF-ARW to Assess Mass-Balance Schemes

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### Editor Comments (24 Jul 2023):

Topic editor decision: Publish subject to technical corrections.

by Jinkyu Hong

Public justification (visible to the public if the article is accepted and published):

The permanent links for code availability were not explicitly described in the manuscript. Please check it again.

**Author response (28 Jul 2023):** the permanent links for code and data were added to the main body of the manuscript at the following locations:

Section 2.2, 1<sup>st</sup> paragraph: “For this work, the Weather Research and Forecasting (WRF version 3.9, [https://www2.mmm.ucar.edu/wrf/users/download/get\\_source.html](https://www2.mmm.ucar.edu/wrf/users/download/get_source.html), Skamarock et al., 2008) ...”

Section 2.2, 4<sup>th</sup> paragraph: “The NARR data used for this study can be accessed at NOAAFathi (2022).”

Section 3.2, 1<sup>st</sup> paragraph: “The WBEA data used in this study can be accessed at WBEA-Fathi (2022).”

Section 3.2, final paragraph: “We also compared wind fields from domain d05 to aircraft observations during the JOSM 2013 campaign over the oil sands region for the same time periods as our model simulations (ECCC, 2013).”