Interactive comment on “MADE-IN: a new aerosol microphysics submodel for global simulation of potential atmospheric ice nuclei” by V. Aquila et al.

Anonymous Referee #1

Received and published: 10 January 2011

This paper provides useful insight into the ice nuclei modeling to the model community. The paper is well organized and written and is acceptable for publication after minor revisions are made.

1. Page2228, line 20: please give some brief explanation or references at “Mineral dust is assumed to be completely hydrophobic”.

2. Page 2228, lines 25-27: please also give some brief explanation or references at "Furthermore, MADE-IN simulates also the aging of mineral dust from hydrophobic to hydrophilic by gaining a liquid coating".


Reference please see Geosci. Model Dev. Discuss., 3, 2221, 2010.