

## Responses to the Reviewer's Comments

We would like to thank the reviewers for their comments and believe that it has improved the manuscript. The reviewers' comments are in grey italics and our response is given in black.

### Referee Comments:

*Dear Authors,*

*Thank you for improving the language of the manuscript. I still need to ask you to modify the code availability section. You are still referring to github website which is not a permalink. Please remove this and simply have text reading something like "The CARS Version 1 used in the paper is provided by Baek et al. (2021)". Then have the reference in the reference list. You also have website addresses in User manual and installation package sections whereas at least the first is also included into the Zenodo set. Any non permalink websites should be avoided as is clearly reading in GMD Editorial. Also installation package should be there.*

*Reference is in format*

*B.H. Baek, Rizzieri Pedruzzi, & Chi-Tsan Wang. (2021). bokhaeng/CARS: CARS (Comprehensive Automobile Emissions Research Simulator) version 1.0 Public Release (CARsv1.0). Zenodo. <https://doi.org/10.5281/zenodo.5033314>*

Thanks for this comment. Code availability section and references has been Changed.

Lines 282-283: The details of the road restriction control table format can be found on the CARS's user's guide from the CARS [Github website](#)

[\(https://github.com/bokhaeng/CARS/tree/master/docs/User\\_Manual/version\\_1\\_used\\_in\\_this\\_paper \(Baek et al., 2021\)\).](https://github.com/bokhaeng/CARS/tree/master/docs/User_Manual/version_1_used_in_this_paper)

Lines 728-748:

### Code Availability:

The source code of the CARS model public release version 1.0 can be downloaded from the Github release website:

<https://github.com/bokhaeng/CARS/releases/tag/CARsv1.0>

<https://doi.org/10.5281/zenodo.5033314>

### Digital Object Identifier (DOI) for the CARS version 1.0:

<https://zenodo.org/record/5033314#.YNzDrC1h001>

<https://doi.org/10.5281/zenodo.5033314>

### Installation Package for CARS version 1.0:

The CARS version 1.0 installation package comes with the complete inputs and outputs datasets for users to confirm their proper installation on their computers and can be downloaded from the [Github release website](#): [CARS version 1 used in this paper \(Baek et al., 2021\)](#):

[https://github.com/bokhaeng/CARS/releases/download/CARSv1.0/CARS\\_v1.0\\_public\\_release\\_package\\_25June2021.zip](https://github.com/bokhaeng/CARS/releases/download/CARSv1.0/CARS_v1.0_public_release_package_25June2021.zip)

<https://doi.org/10.5281/zenodo.5033314>

### User's Guide Documentation:

The CARS version user's guide documentation can be accessed through the [Github repository](#): [the CARS version 1 used in this paper \(Baek et al., 2021\)](#):

[https://github.com/bokhaeng/CARS/tree/master/docs/User\\_Manual](https://github.com/bokhaeng/CARS/tree/master/docs/User_Manual)

<https://doi.org/10.5281/zenodo.5033314>

Lines 781-785

### References

Baek, B. H., and Seppanen, C., [SMOKE v4.8.1 Public Release \(January 29, 2021\) \(Version SMOKEv481\\_Jan2021\)](#): <http://doi.org/10.5281/zenodo.4480334> last 2021. [Pedruzzi, Rizzieri, Wang, Chi-Tsan, Woo, Jung-Hun \(2021\). bokhaeng/CARS: CARS \(Comprehensive Automobile Emissions Research Simulator\) version 1.0 Public Release \(CARSv1.0\). Zenodo.](#) <https://doi.org/10.5281/zenodo.5033314>

[Baek, B. H., and Seppanen, C., SMOKE v4.8.1 Public Release \(January 29, 2021\). \(Version SMOKEv481\\_Jan2021\): http://doi.org/10.5281/zenodo.4480334.](#)