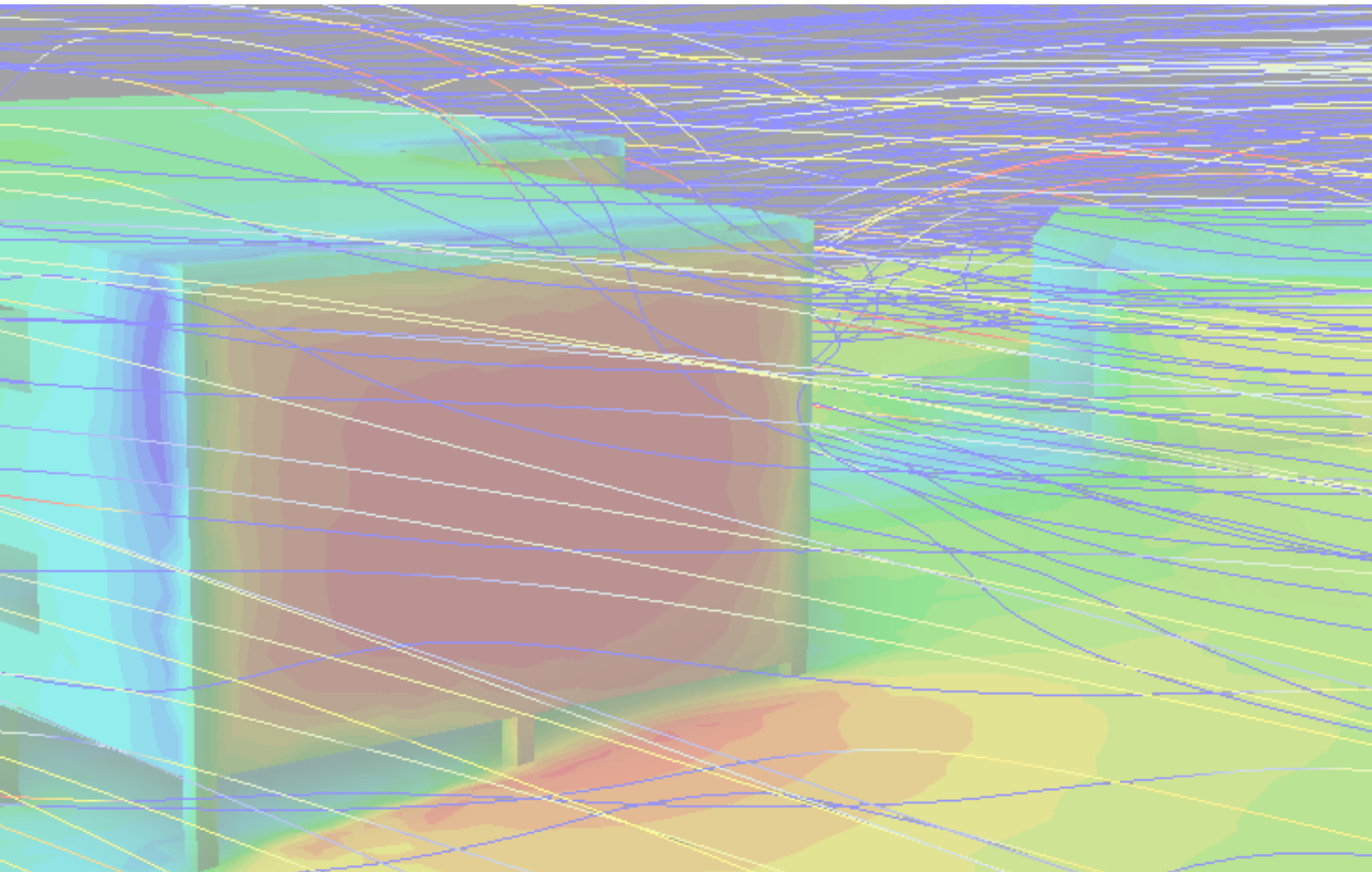




WindCFD

Computational Fluid Dynamics for
Structural Wind Loading

Content Package Instructions



October
2025

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Description of Content Packages

Datasets for WindCFD's Context Model Builder is available for download by country / region. These datasets can be relatively large in size, and require a separate download and unpacking from the WindCFD installer.

Datasets will include both DEM and Building Footprint data.

Downloads available at:

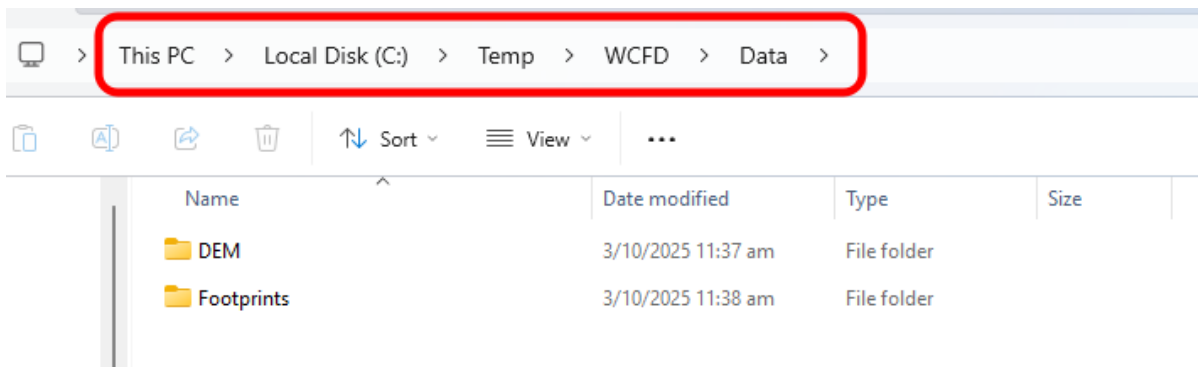
<https://bimwerxfea.com/WindCFD.html>

DEM (Digital Elevation Model) data obtained and processed from the original sources: NASA JPL (2021). <i>NASADEM Merged DEM Global 1 arc second V001</i>. Distributed by OpenTopography. <https://doi.org/10.5069/G93T9FD9>. Accessed 2025-10-02

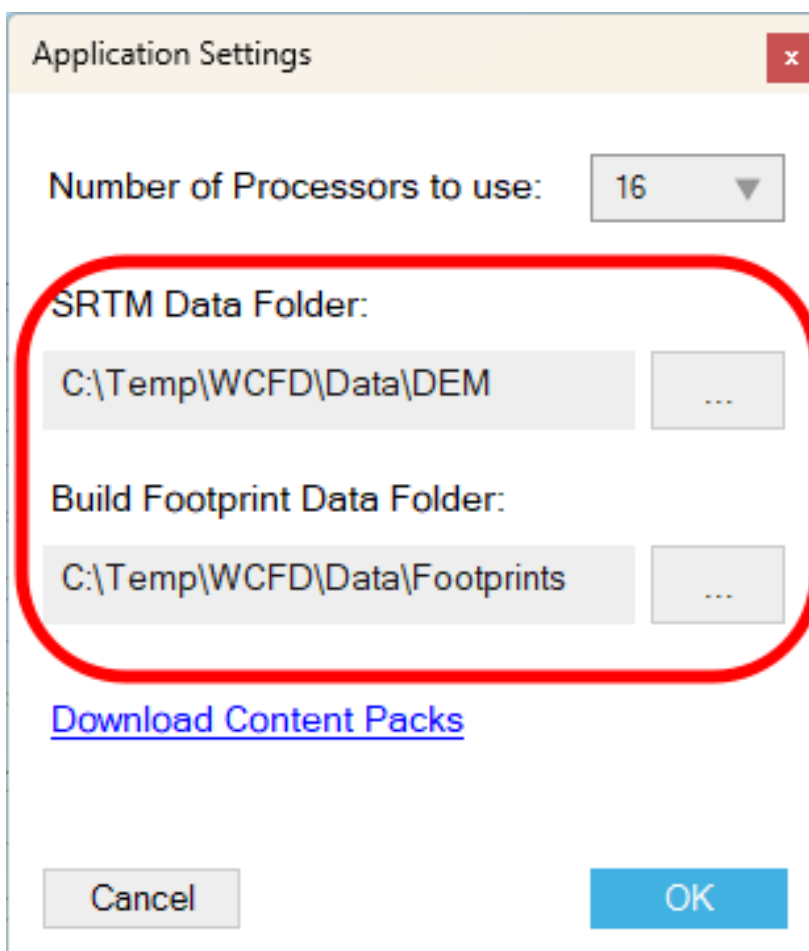
Building Footprint data obtained and processed from <https://github.com/microsoft/GlobalMLBuildingFootprints>

Download and Install Instructions

Download the relevant dataset for your Country / Region, and extract the contents to a desired location, for example:



Start WindCFD, and set the 2 locations for SRTM Data folder, and Build Footprint Data folder, for example:



Additional Notes

- Restart WindCFD after setting the dataset folders
- Multiple Country / Region datasets may be combined, make sure to place country folders for DEM under the same folder, and also for Footprints
- If your Country or Region is not available yet, please log a request at info@bimwerx.nz



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