
C-ROADS Guide Documentation

Climate Interactive

Dec 03, 2020

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By the Climate Interactive Team*Last updated January 2020*

C-ROADS is a free, award-winning computer simulator that helps people understand the long-term climate impacts of national and regional greenhouse gas emission reductions at the global level. C-ROADS has helped the world to understand the [impact of the emission reduction pledges](#) countries have proposed to the United Nations. These proposals take different forms with different reference and target years, however, using C-ROADS we can rapidly test these policies to determine whether collectively they are enough to stabilize temperature below 2°C. C-ROADS World Climate is made available for free to make insights about what it takes to address climate change more accessible. We encourage you to use C-ROADS as part of a [World Climate Simulation](#), where a group of people play the roles of UN climate negotiators working to create an agreement to limit global warming.

C-ROADS is being developed by [Climate Interactive](#), [Ventana Systems](#), Todd Fincannon, and [UML Climate Change Initiative](#).

CHAPTER 1

More Information

The main [C-ROADS website](#) has links to documentation, supporting materials, videos, and [FAQ](#).

User Forums for C-ROADS can be found at <https://support.climateinteractive.org>

Email support is at support@climateinteractive.org.

2.1 C-ROADS Model Version History

2.1.1 December 2020 Release

Updated

- C-ROADS Model version 1.32 - updated to align with the baseline scenario of En-ROADS, which results in temperature in 2100 of 3.6°C (6.5°F)
- Changed the phrase “Business as usual” and “BAU” to “Baseline” across the interface
- Changed the minimum year for all inputs to 2021
- Changed the application name from “C-ROADS World Climate” to simply “C-ROADS”

Fixed

- Improved the layout to make room for larger graphs

2.1.2 August 2020 Release

Updated

- C-ROADS Model version 1.29

Fixed

- Fixed behavior of “Prevent Deforestation” for regions with net negative land use emissions

New

- Added “Economic Growth” and “Population Growth” sliders in Assumptions panel

2.1.3 May 2020 Release

Updated

- C-ROADS Model version 1.26
- Updated historical data through 2018 for GDP and CO₂
- Update F-gases to be consistent with SSP2 (as with En-ROADS)

New

- Add new menu selection, Help>Release Notes, to access model release notes

2.1.4 March 2020 Release

Updated

- C-ROADS model version 1.22
- Updated historical values
- Updated start years to 2020

Fixed

- Redraw the chart when the large graph window is resized
- Doubled the size of labels on the large graph window
- Resized the temperature panel fonts when the window is resized
- Removed spurious scrollbars in some layouts
- Changed afforestation and deforestation to percent of max
- Change graph menu title from “Model Validation” to “Model Comparison”

New

- Added partial Korean localization
- Improved the way Afforestation is simulated (need details)
- Change MIT link to the Sustainability Initiative
- Notarize the Mac app at the App Store
- Added new CI resources links

2.1.5 March 2018 release

Version 1.1.7, released on 2018-03-14

- C-ROADS model version 1.09
- Refine the layout of the temperature in 2100 panel
- Added Paris outcome reference scenarios to more graphs
- Quit app when window closed on Mac
- Add Windows shortcuts to all menus

CHAPTER 3

Indices and tables

- `genindex`
- `modindex`
- `search`