

Review ESSD 2019-152, Global CO<sub>2</sub> emissions from cement production, 1928 – 2018

Interesting paper to read, and important for improving CO<sub>2</sub> emissions estimates from cement production, and hopefully assist CDIAC in updating their methodology to reflect changes in global cement/clinker ratios. Some small comments are below, but overall recommend for publication.

Figure 1: Why does cement production not show the same strong increase as the global emissions total in figure 2? Is this because of clinker ratios increasing, especially in China? A statement clarifying this might be helpful to the reader.

Figure 3: a definition of the official estimates acronyms in the figure might be helpful.

CDIAC 2018 inventory is cited in Figure 3, but it is the 2017 inventory you are using if the latest year is 2014. There is a 2018 inventory that goes to 2015. Citation is below if you plan on using 2018.

Boden, T.A., G. Marland, and R.J. Andres. 2018. Global, Regional, and National Fossil-Fuel CO<sub>2</sub> Emissions. Carbon Dioxide Information Analysis Center at Appalachian State University, Boone North Carolina

Data is easy to download, and it is good to have detailed changes in the living data.