CMSC 6950 Final Project - pymagicc

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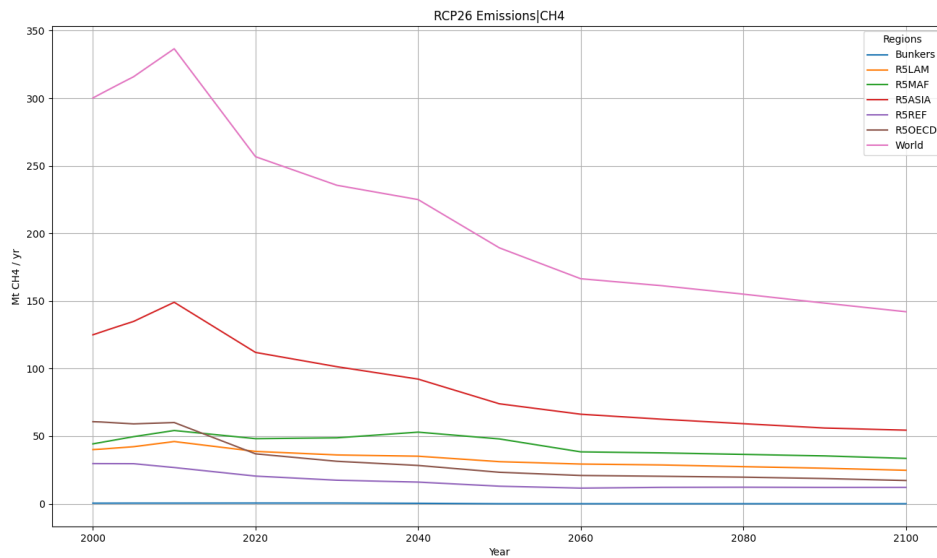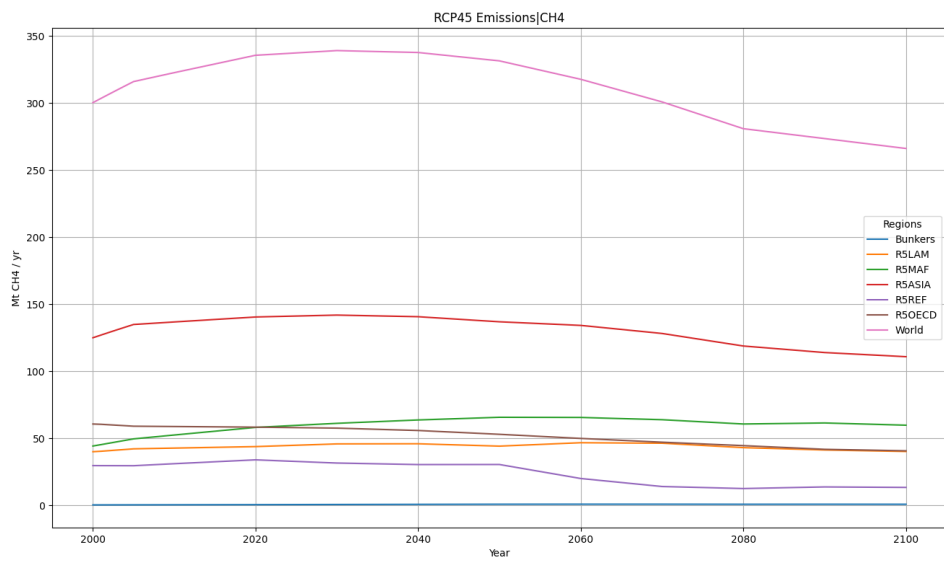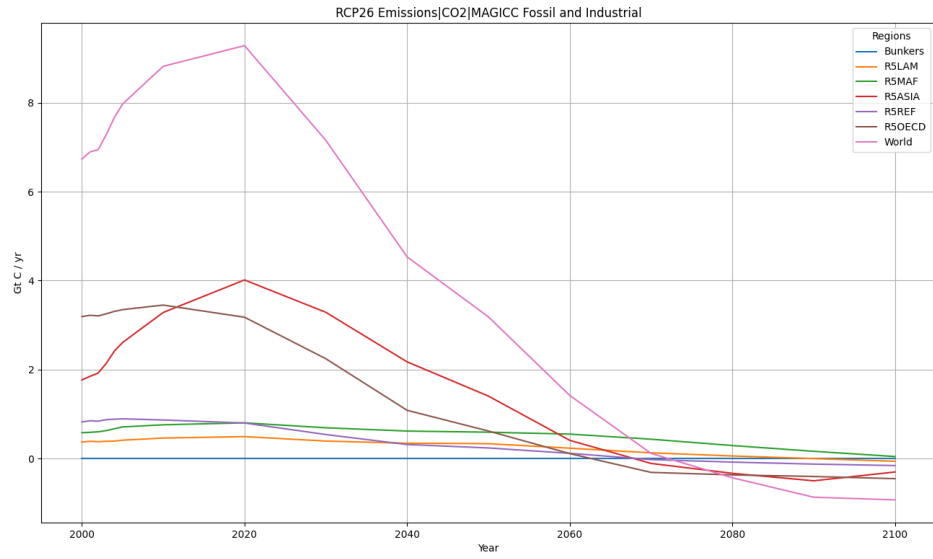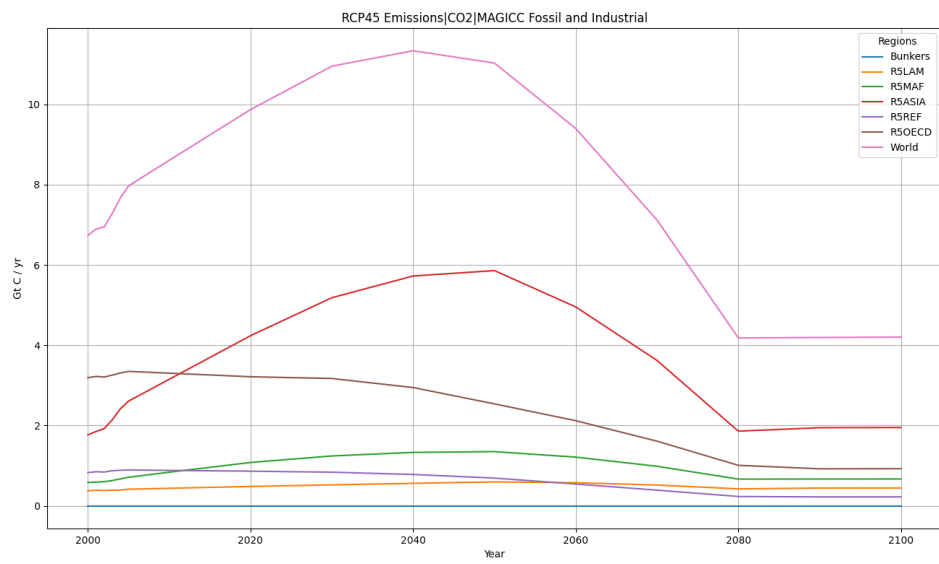
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1 Introduction

Pymagicc[1] is a Python interface for the Fortran-based reduced-complexity climate carbon cycle model MAGICC (Meinshausen, Raper, and Wigley 2011). Aiming at broadening the user base of MAGICC1, Pymagicc provides a wrapper around the MAGICC binary, which runs on Windows and has been published under a Creative Commons Attribution. NonCommercial-ShareAlike 3.0 Unported License. Pymagicc itself is licensed under the GNU Affero General Public License v3.0.
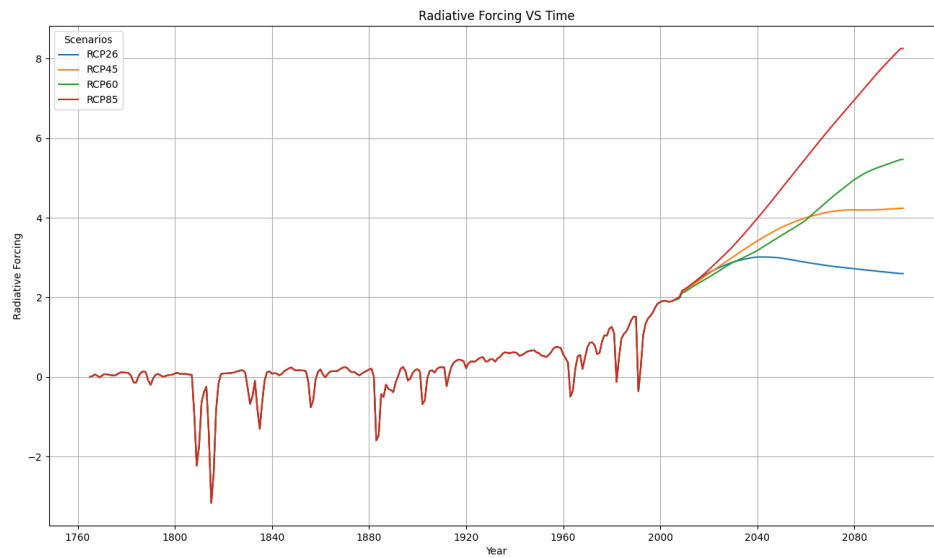
2 Tasks

2.1 Task 1- Generate Greenhouse Gas Emissions

RCP26 Emissions|CO2|MAGICC Fossil and Industrial

RCP45 Emissions|CH4

RCP45 Emissions|CO2|MAGICC Fossil and Industrial

2.2 Task 2- Generate Radiative forcing plot

References

[1] Robert Gieseke, Sven N. Willner, and Matthias Mengel. Pymagicc: A python wrapper for the simple climate model magicc. *Journal of Open Source Software*, 3(22):516, 2018.