Introduction

- Transportation is the largest source of emissions to the atmosphere in Colombia, both greenhouse gases (GHG) and criteria pollutants.
- Bogota, Colombia’s capital, implemented a Bus Rapid Transit system (Transmilenio) in 2000, and since then the fleet has been growing and expanding throughout the city. Nowadays, 100% of Transmilenio buses operate with diesel (Euro II, IV, V).
- In this work, we estimate emission reductions for 2030 from low or zero emissions bus technologies.

Materials and Methods

- Emissions were calculated as the product of emission factors and vehicular activity.
- EFs were collected from different studies and international references.
- A base case was defined for 2030 projecting vehicular growth but no change in bus technologies.
- Six scenarios were proposed implementing zero or low carbon technologies.