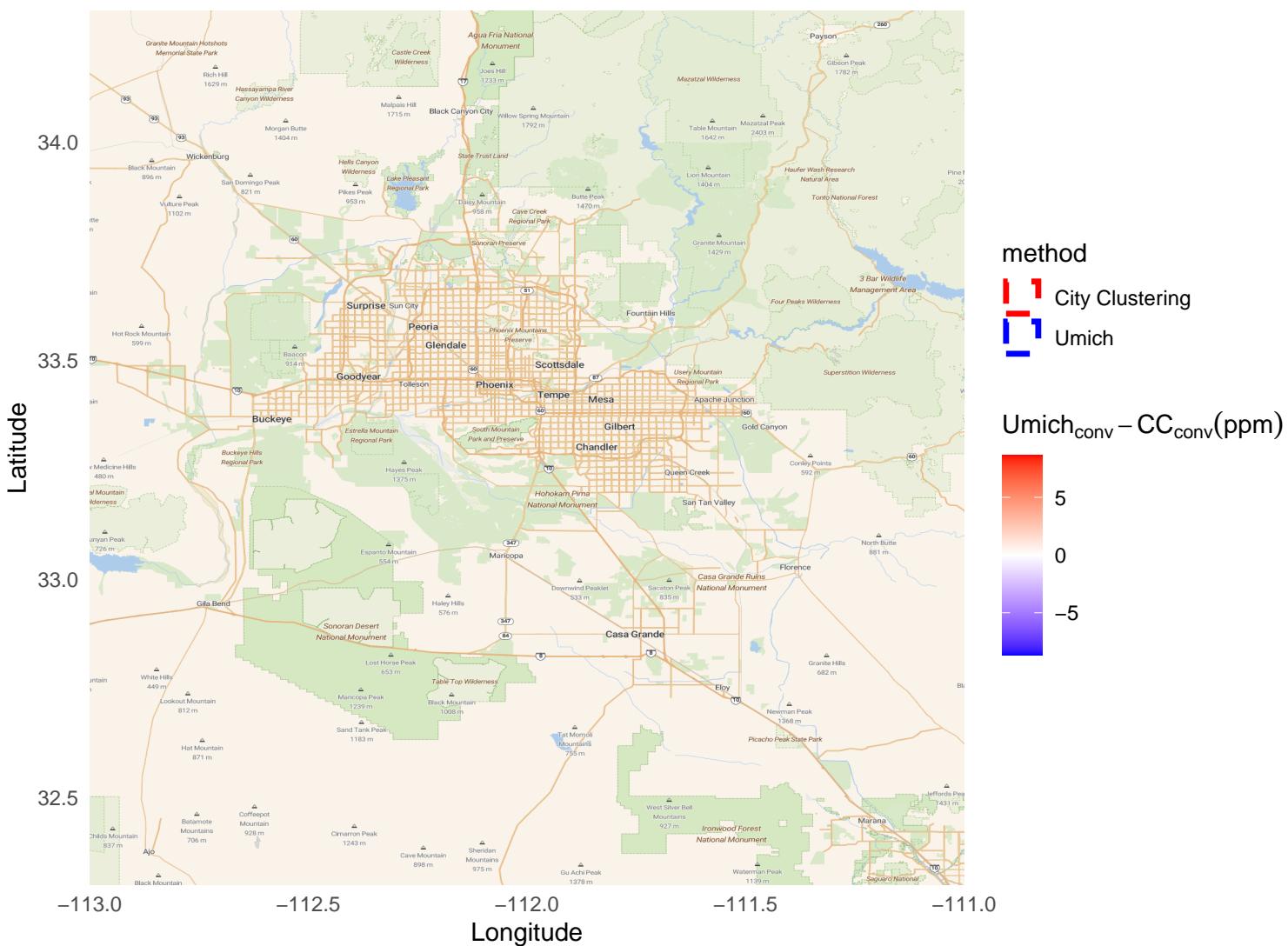
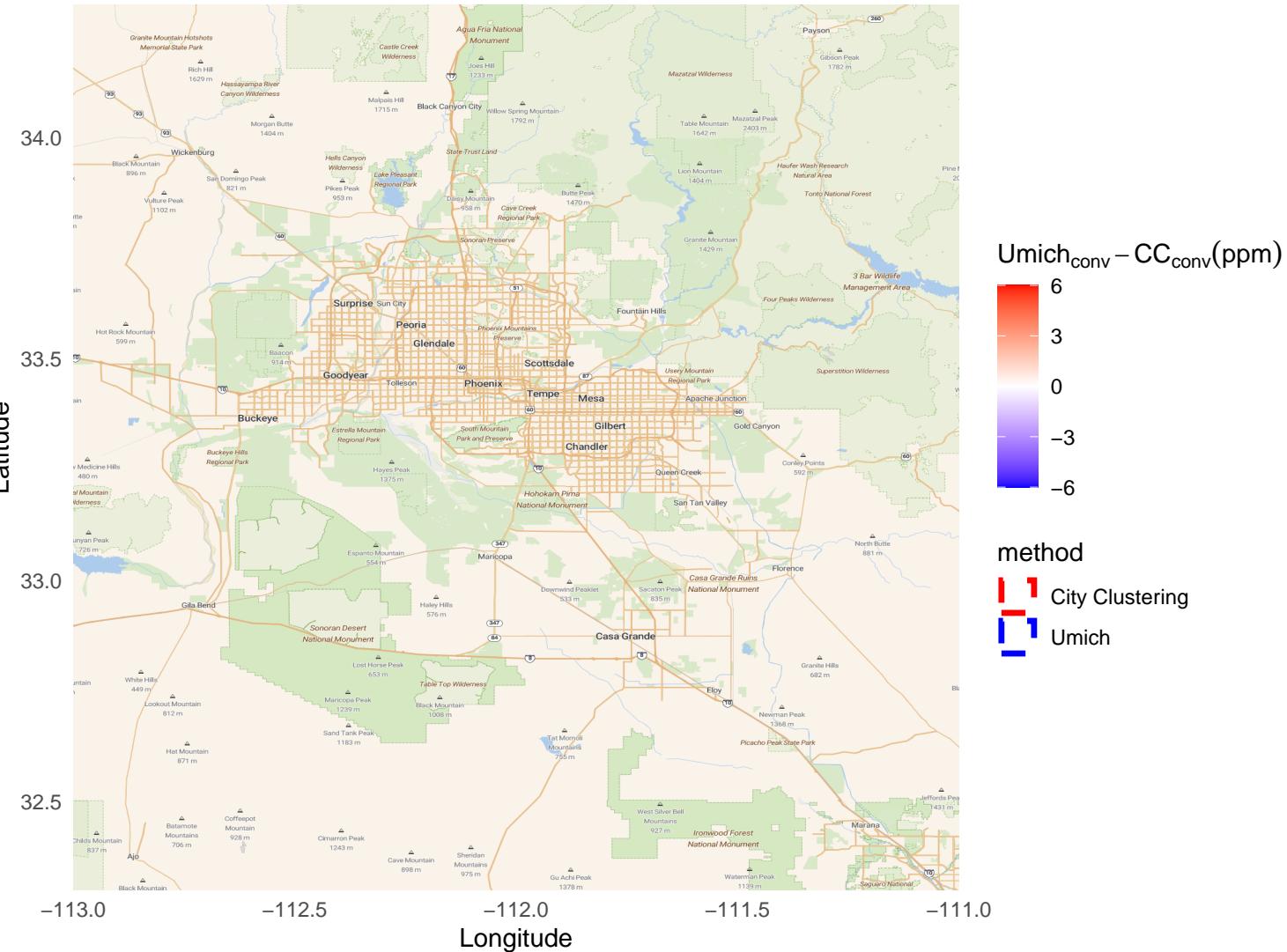


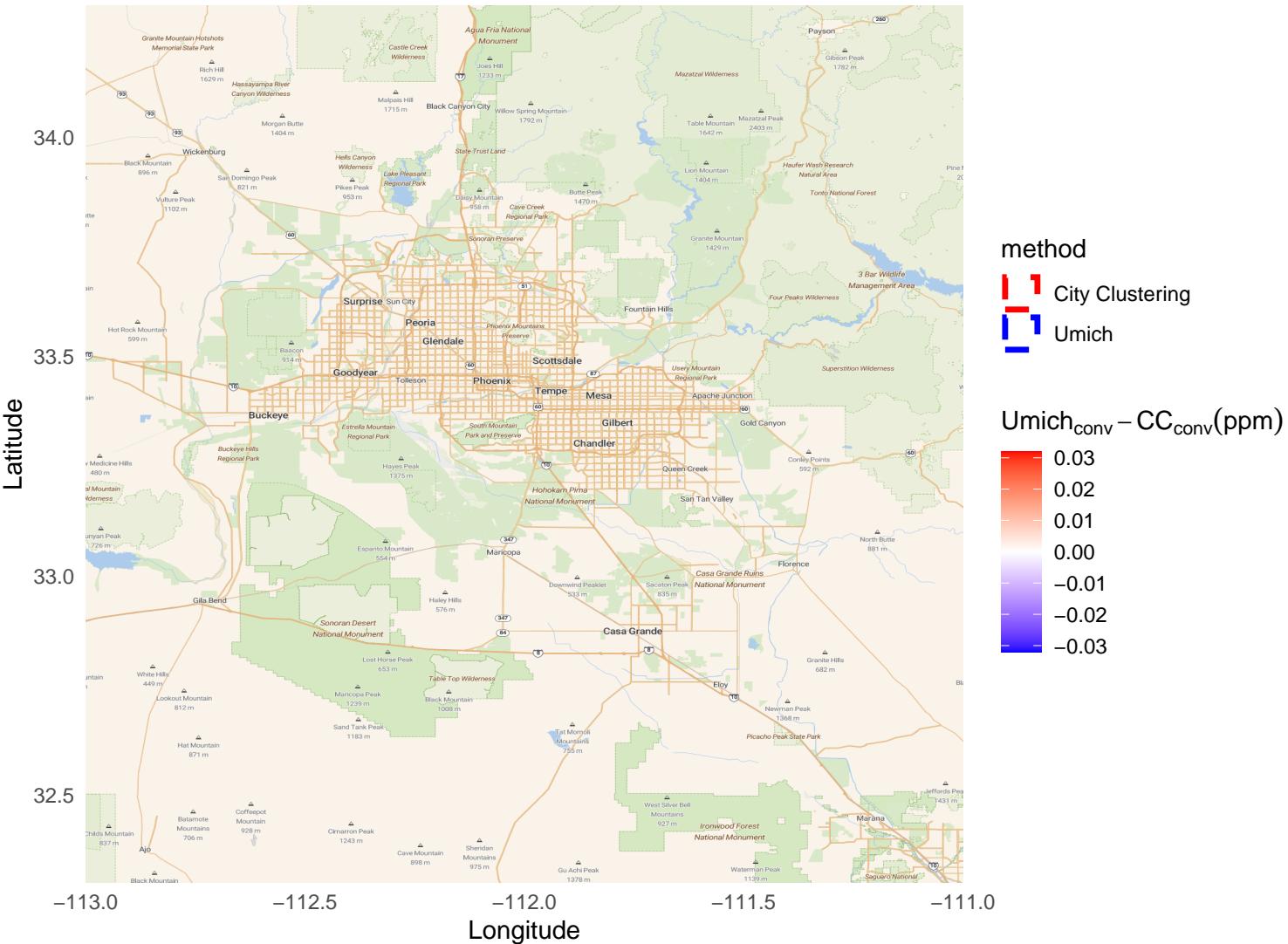
Difference in Emissions: Shapefile vs. City Clustering2015081419



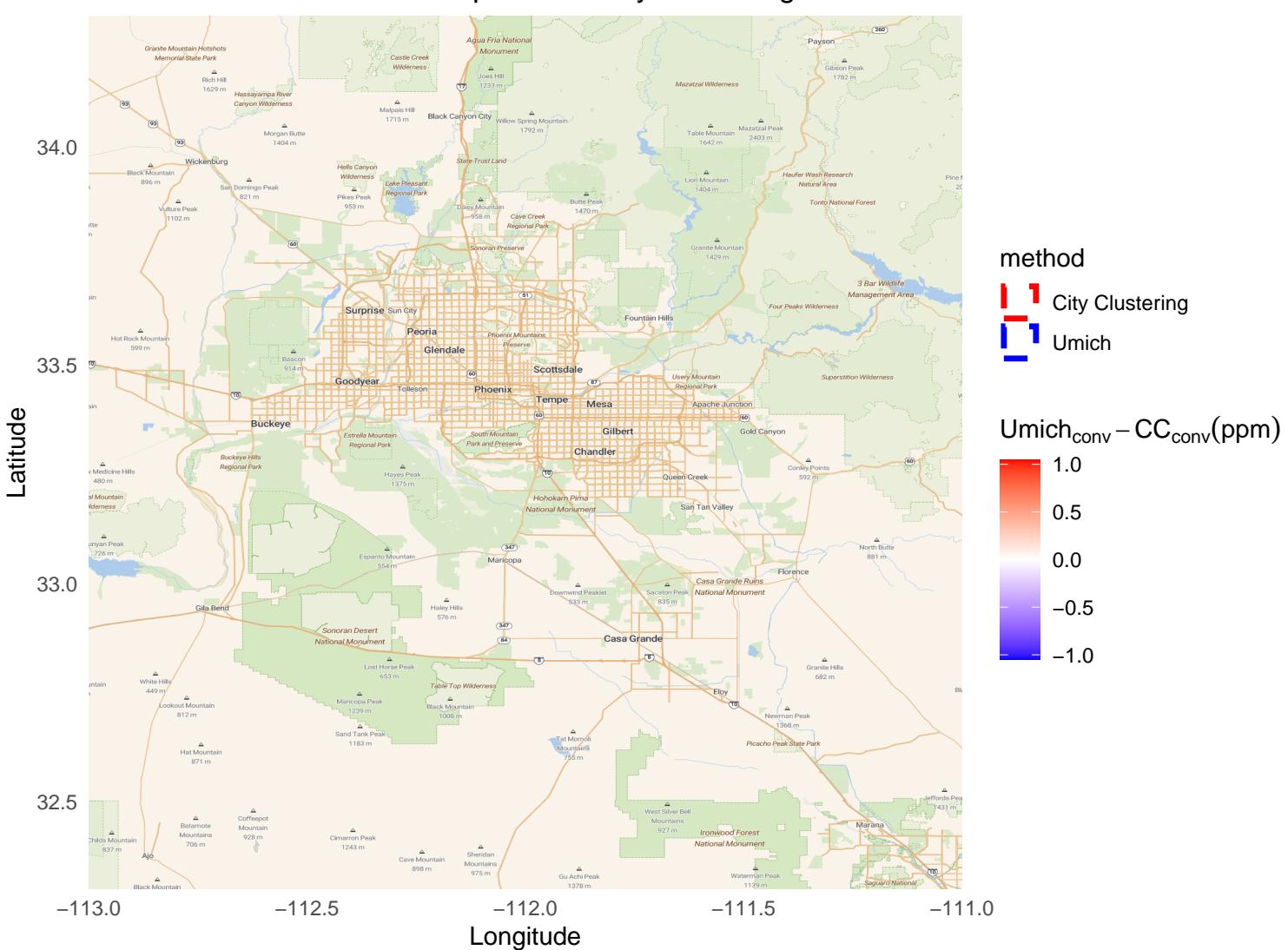
Difference in Emissions: Shapefile vs. City Clustering 2016032519



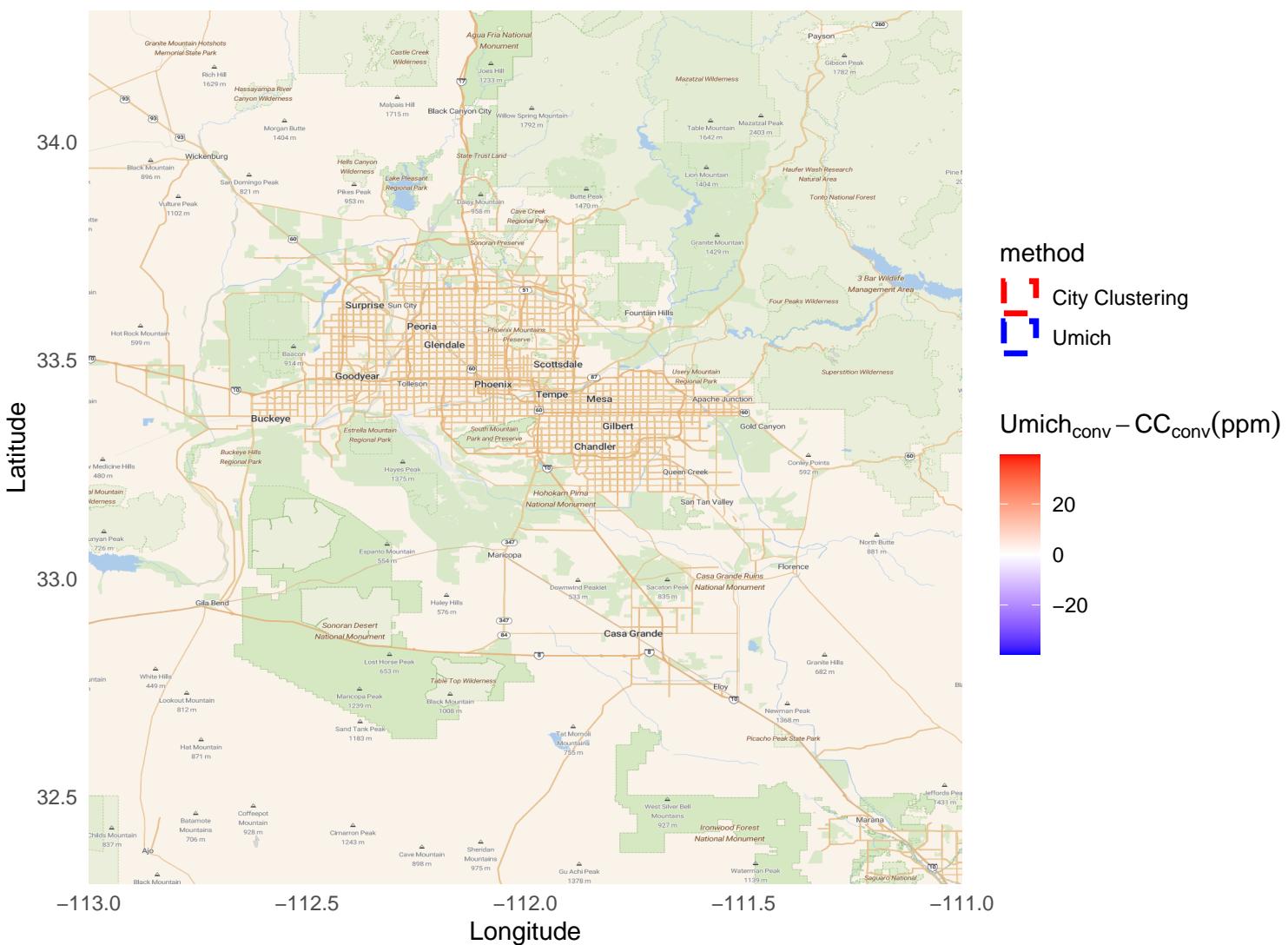
Difference in Emissions: Shapefile vs. City Clustering 2016052819



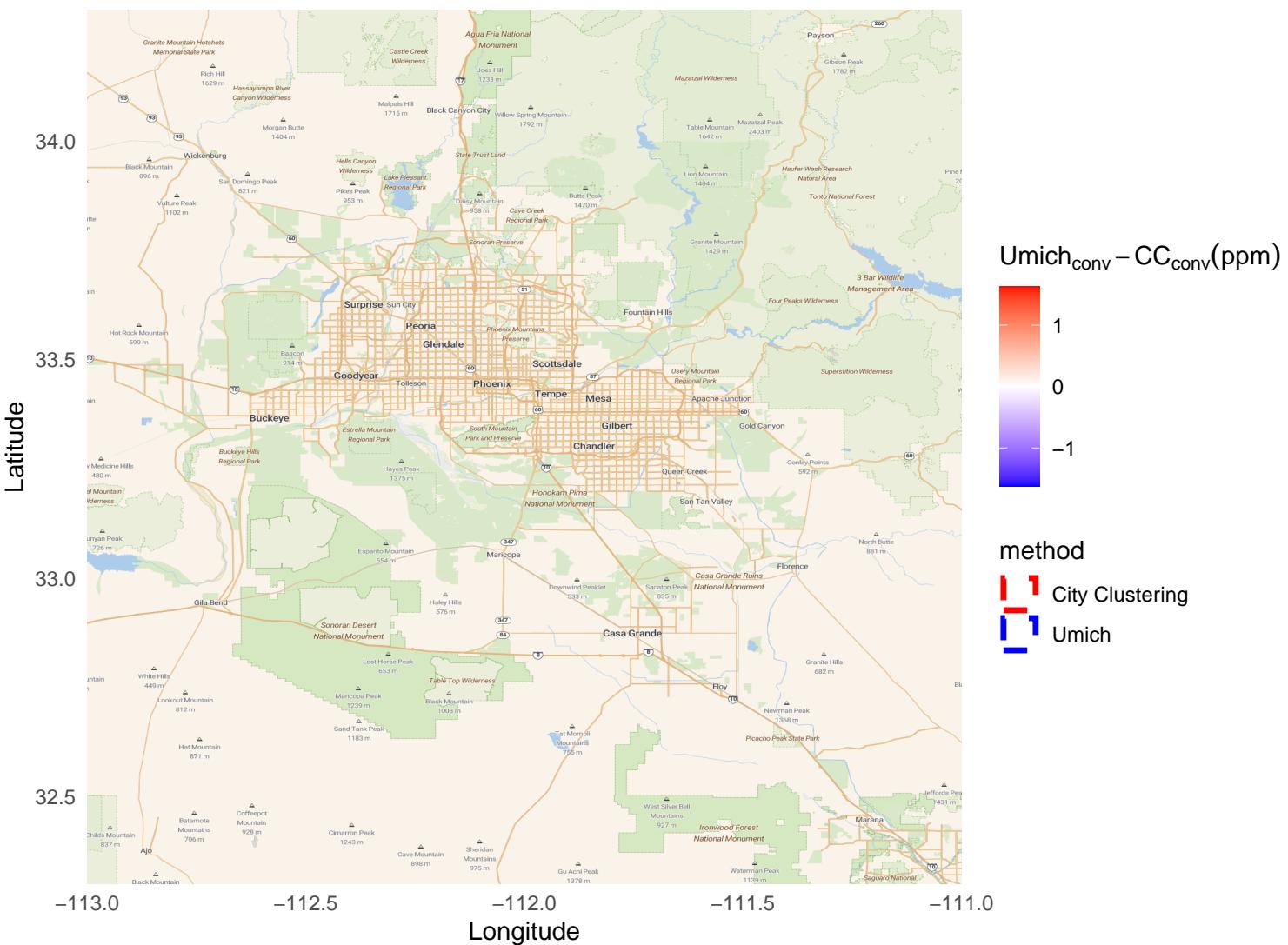
Difference in Emissions: Shapefile vs. City Clustering 2016090119



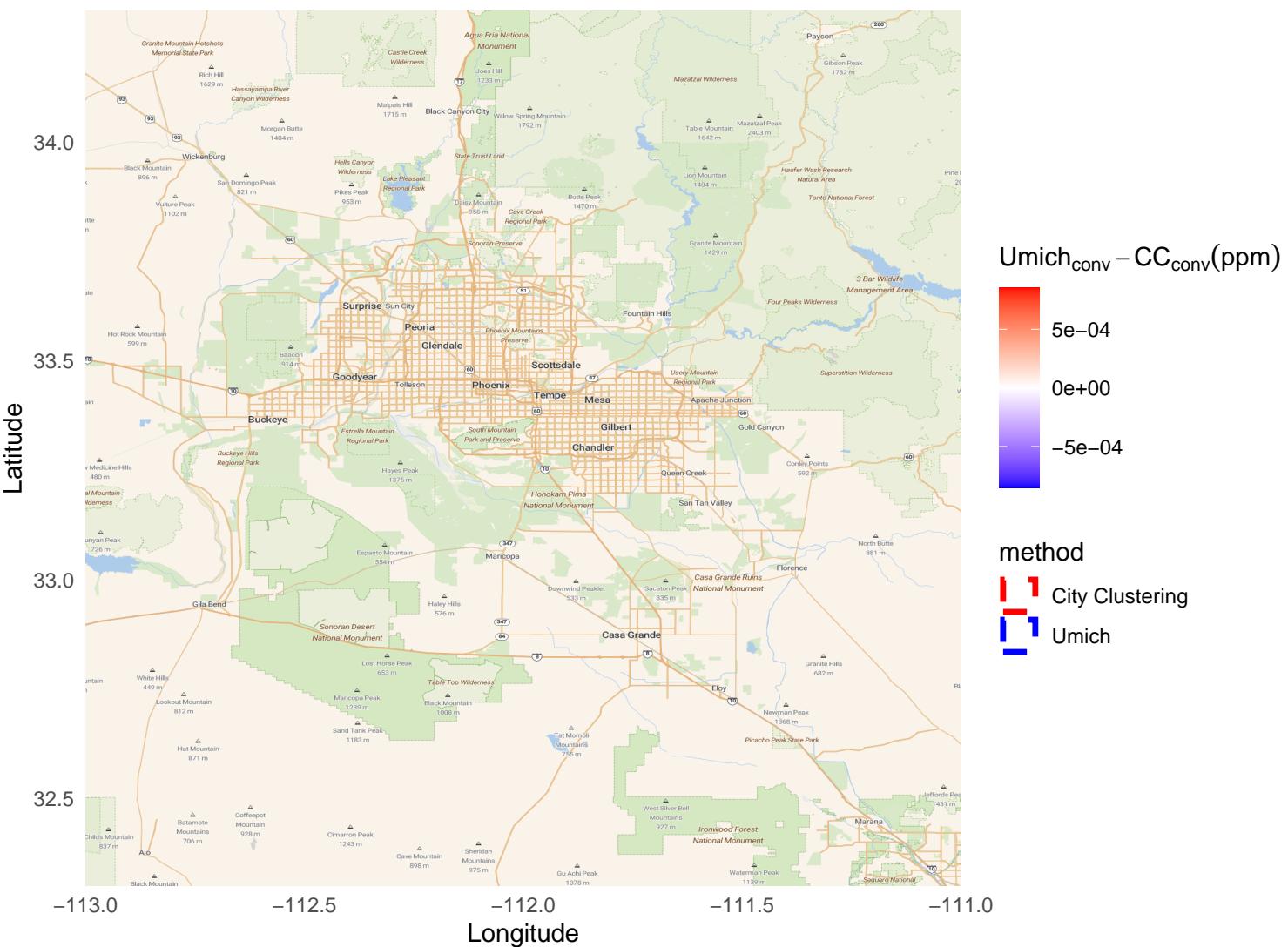
Difference in Emissions: Shapefile vs. City Clustering2016102819



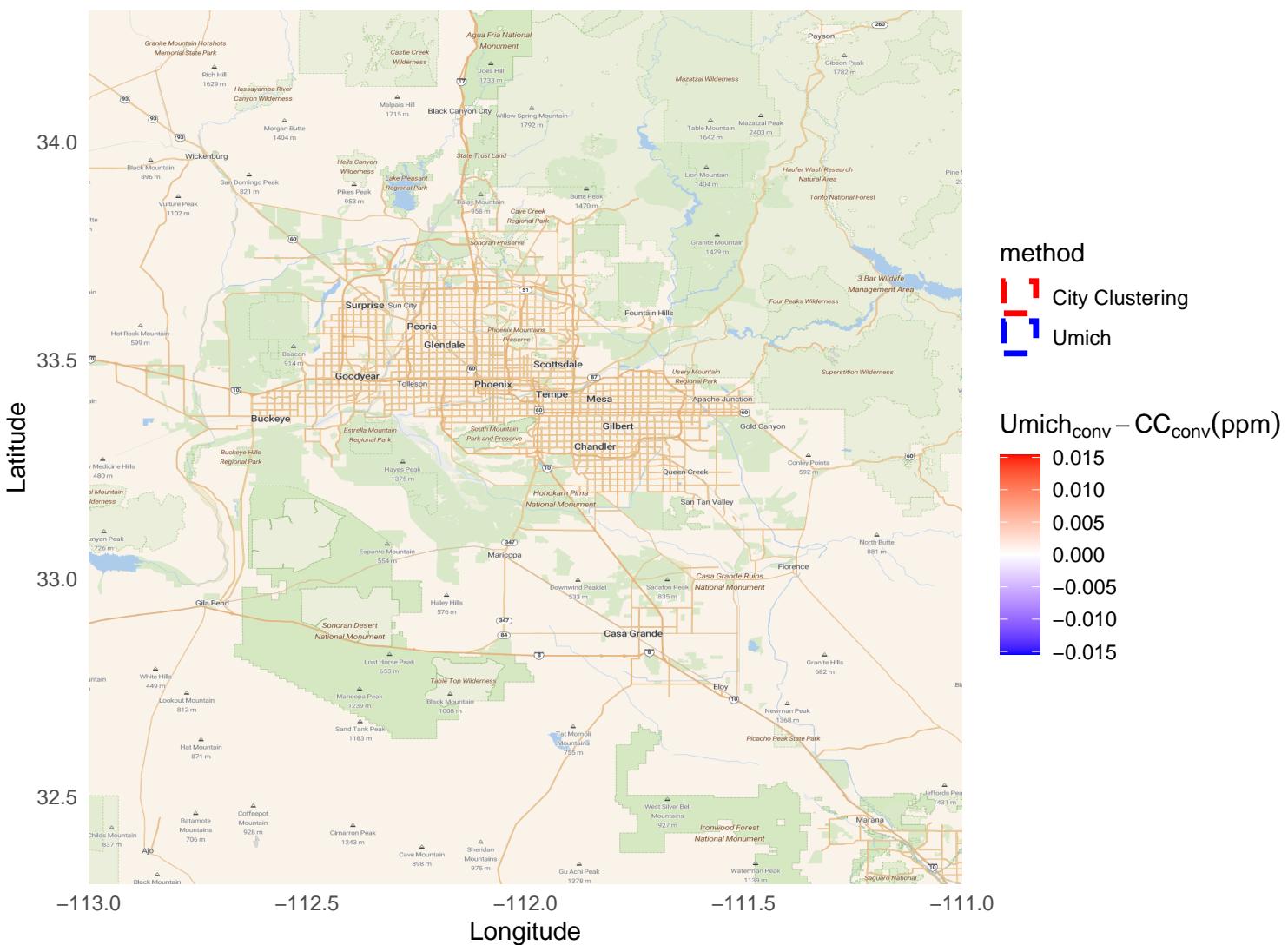
Difference in Emissions: Shapefile vs. City Clustering2017051519



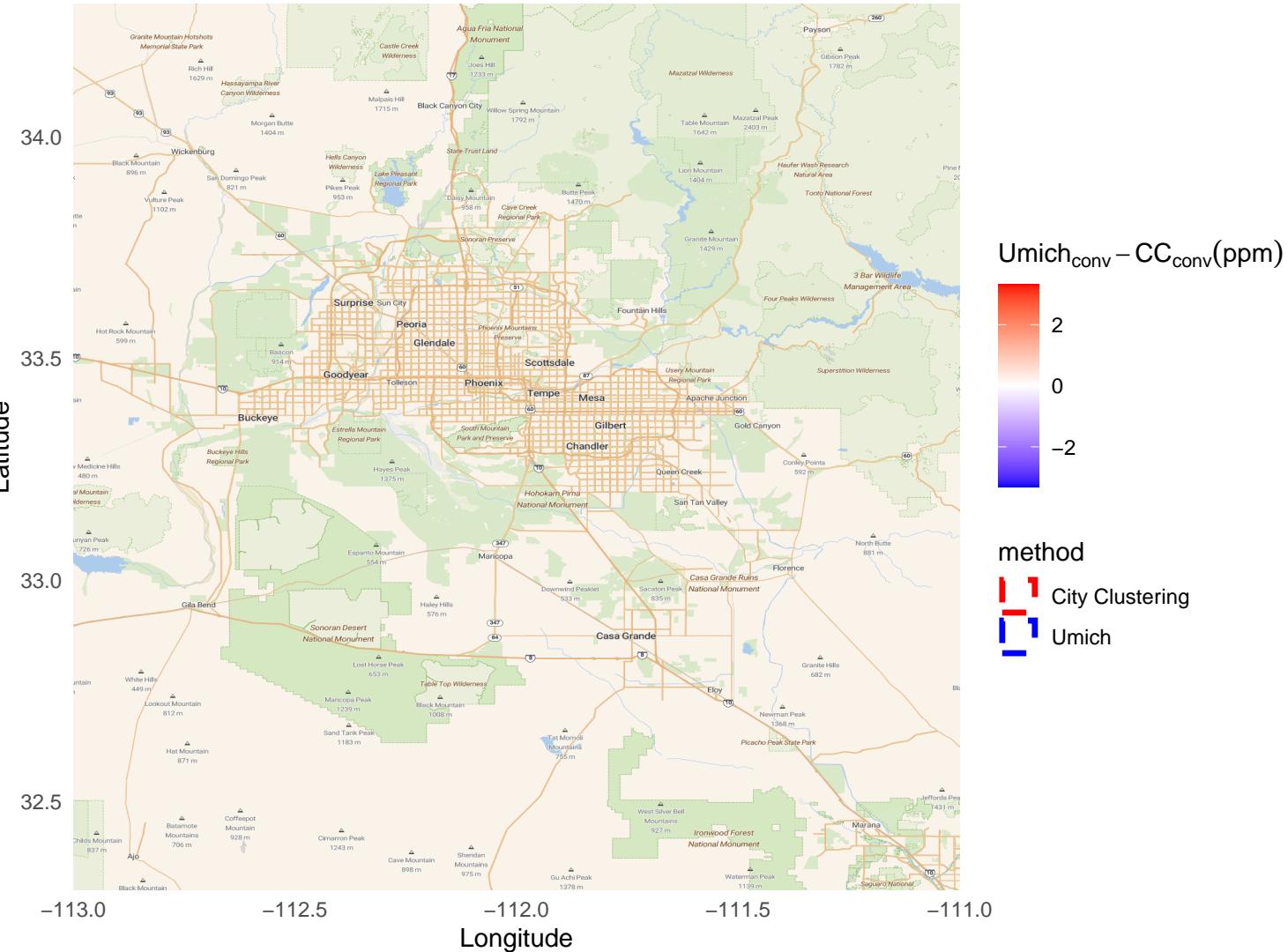
Difference in Emissions: Shapefile vs. City Clustering 2018033119



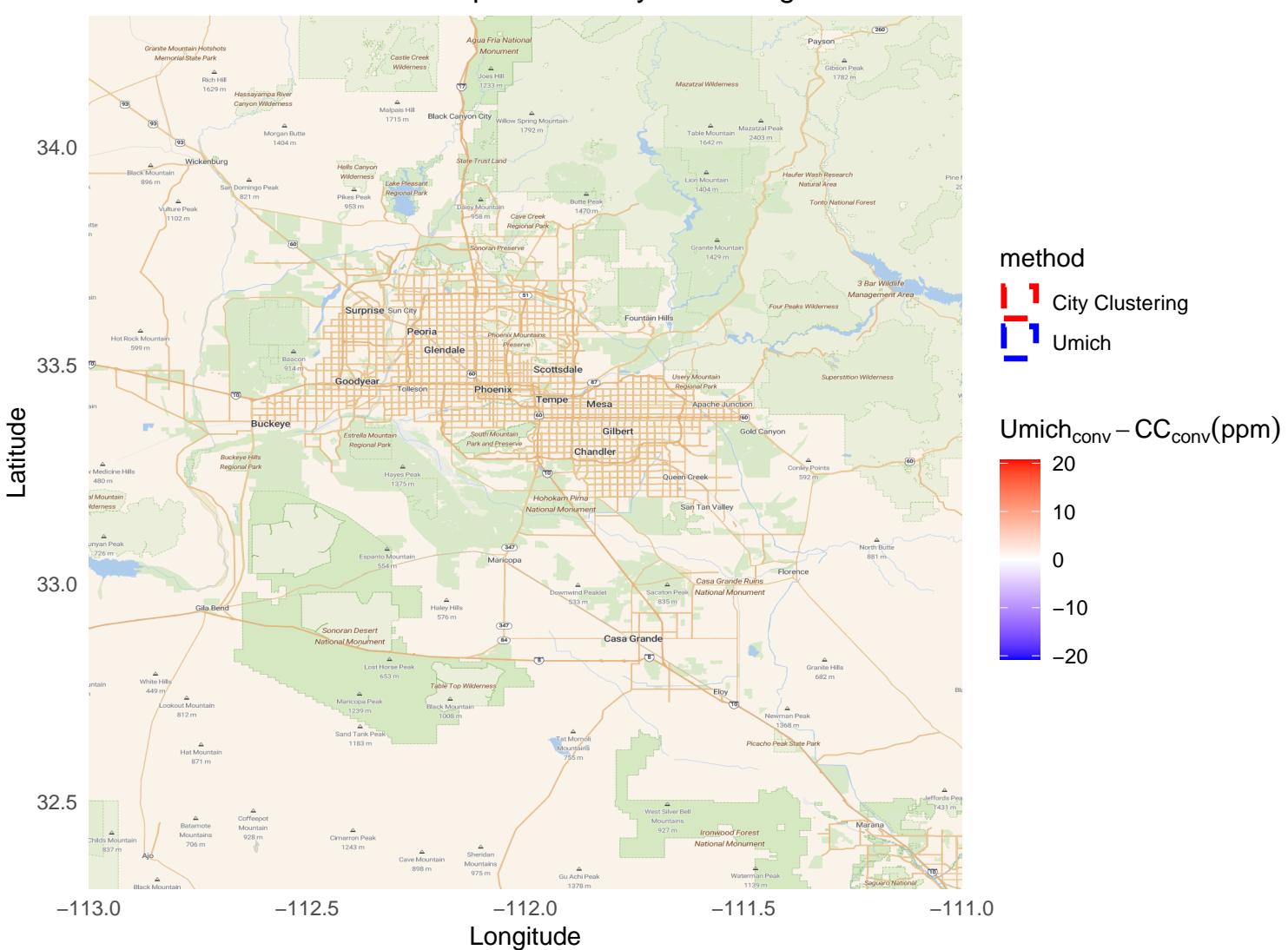
Difference in Emissions: Shapefile vs. City Clustering 2018060319



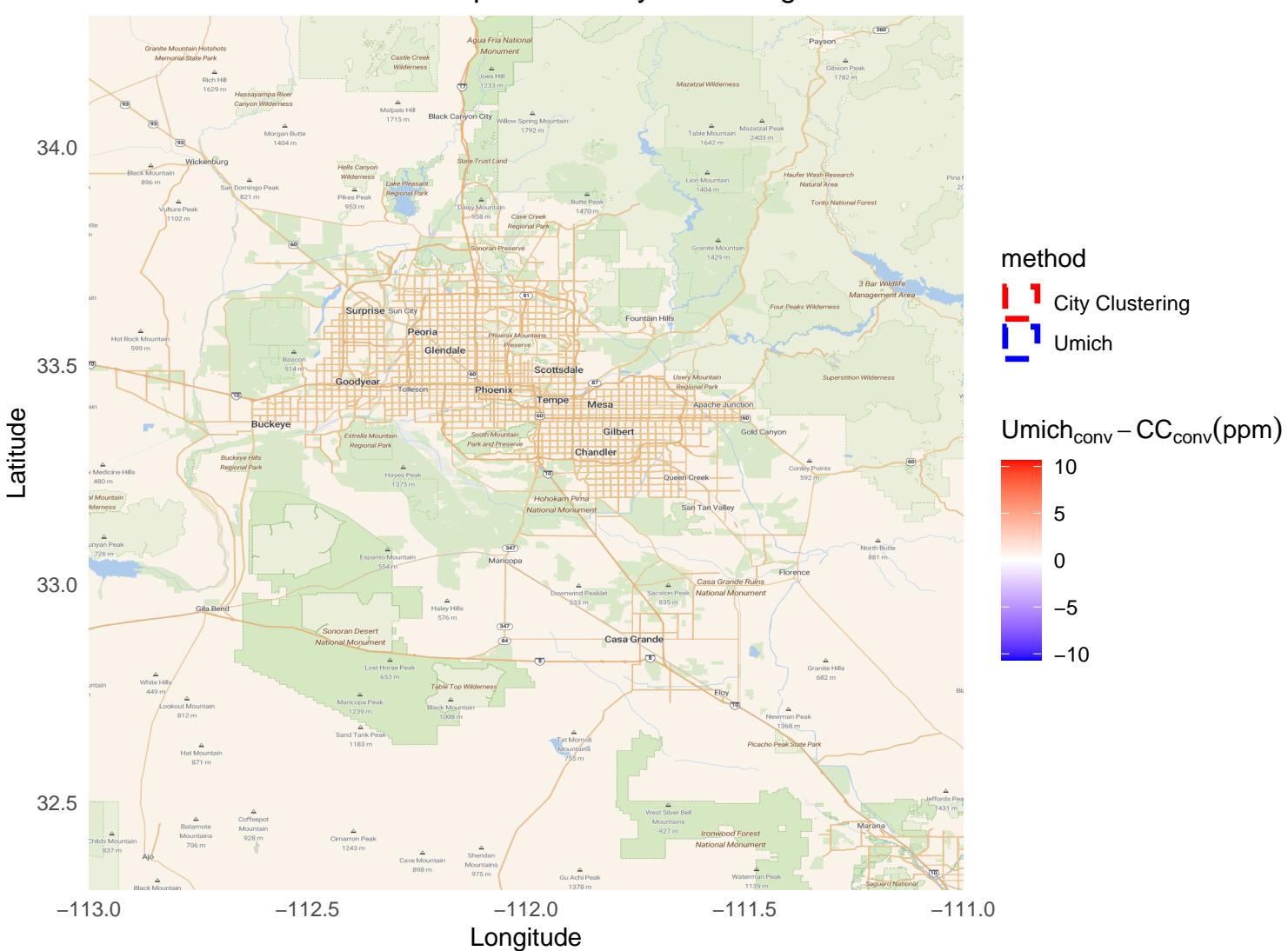
Difference in Emissions: Shapefile vs. City Clustering 2019072419



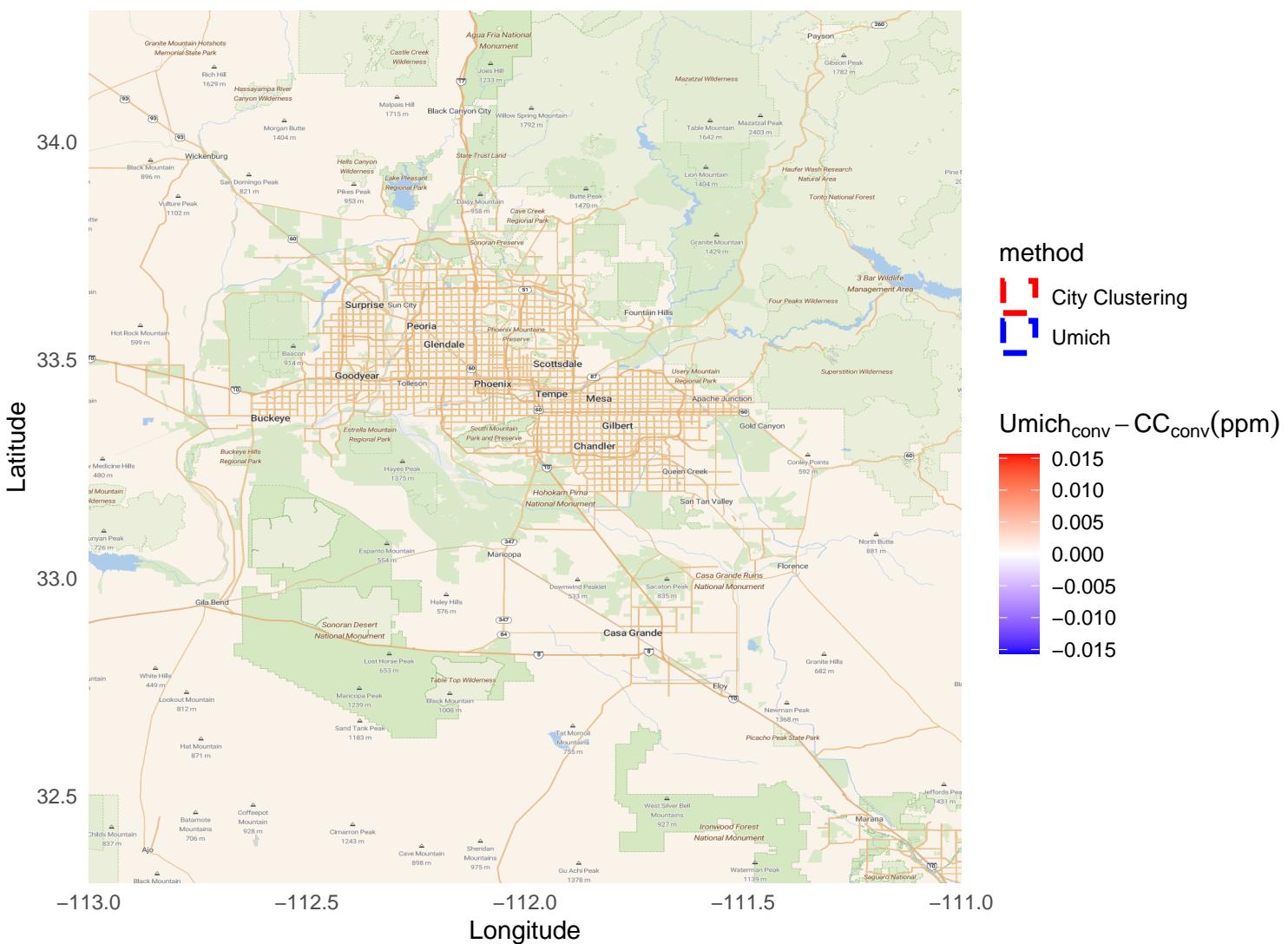
Difference in Emissions: Shapefile vs. City Clustering2019122419



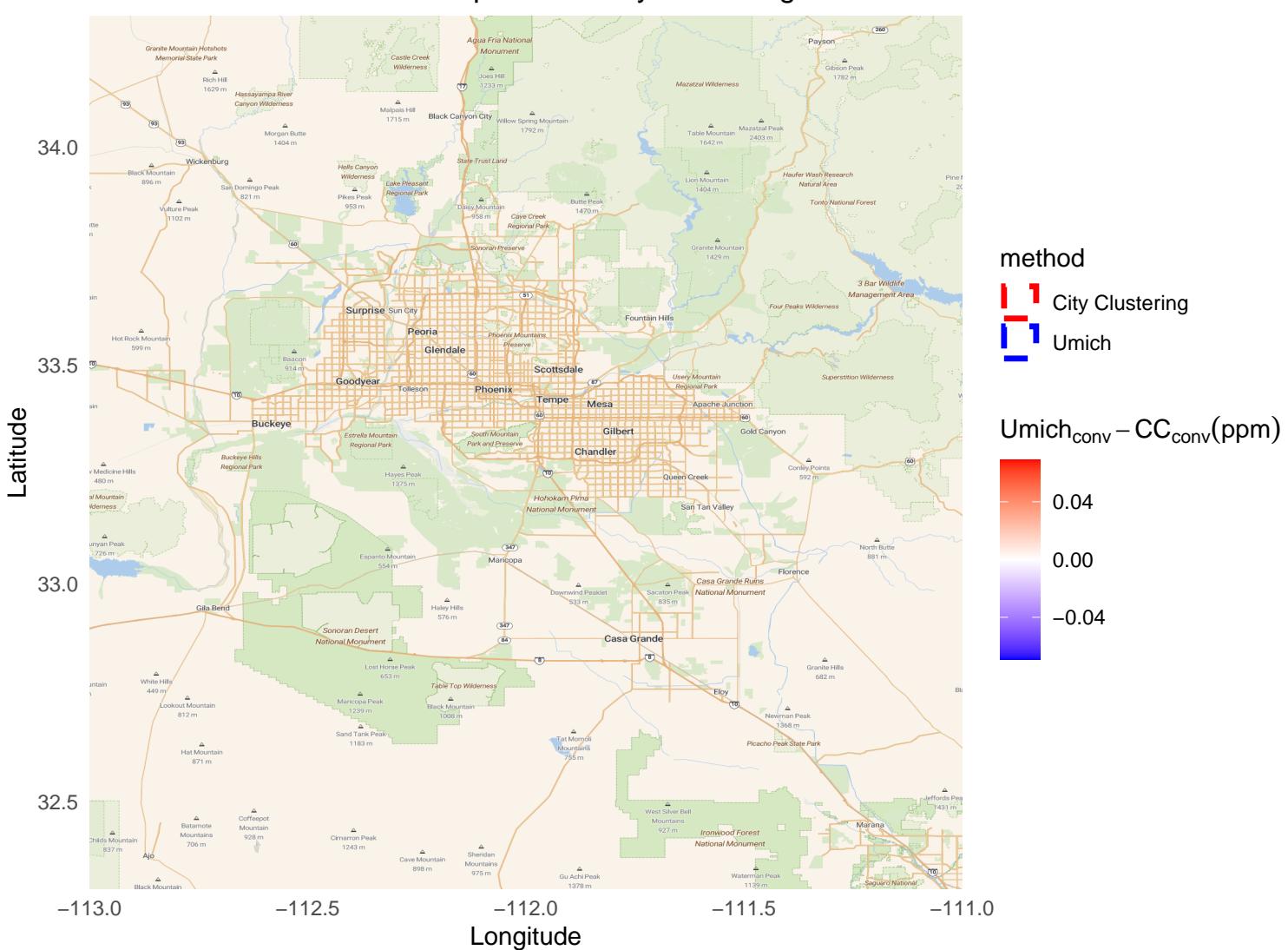
Difference in Emissions: Shapefile vs. City Clustering2020050719



Difference in Emissions: Shapefile vs. City Clustering2020081119

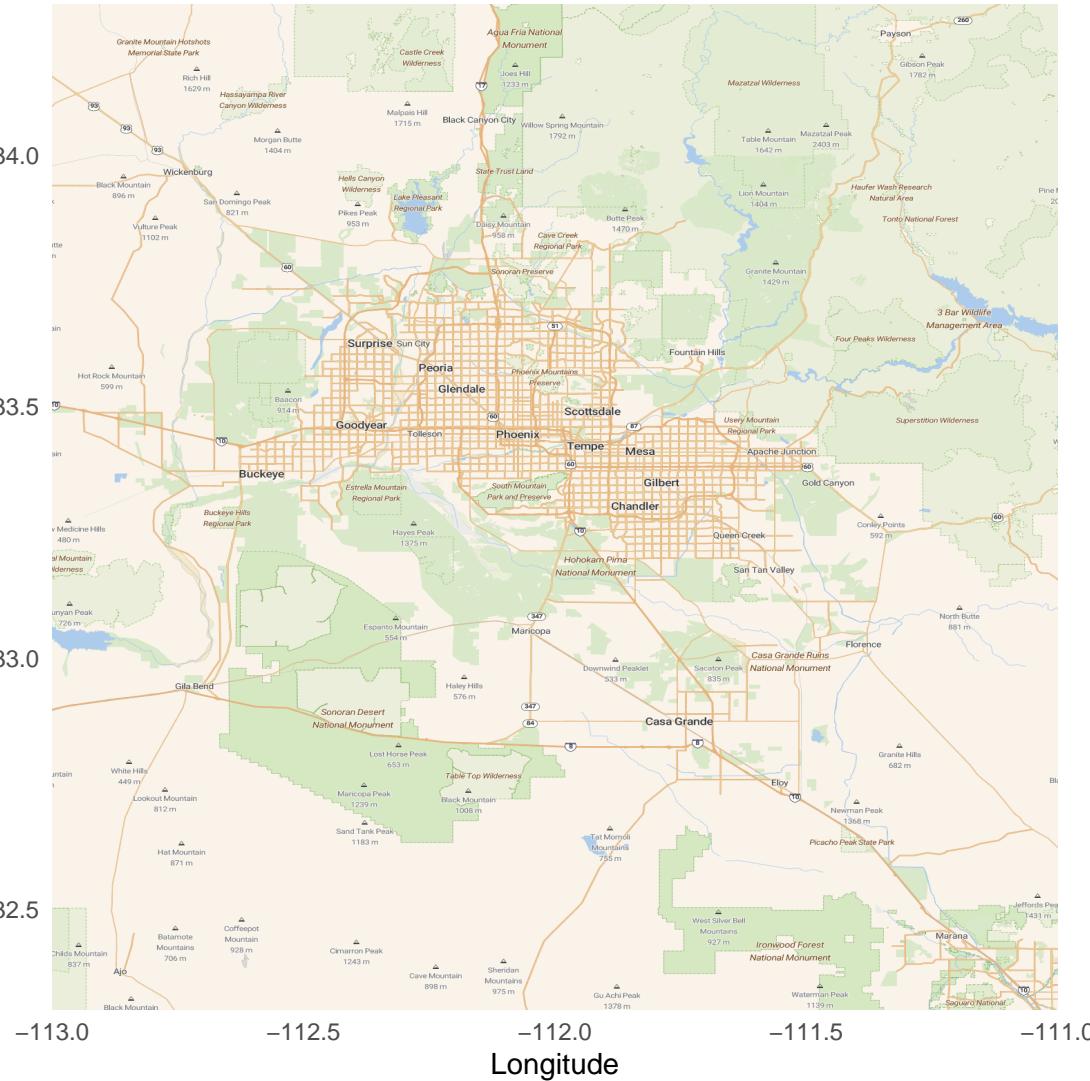


Difference in Emissions: Shapefile vs. City Clustering2021042419



Difference in Emissions: Shapefile vs. City Clustering2021052619

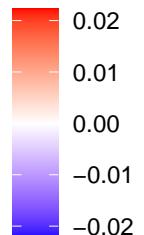
Latitude



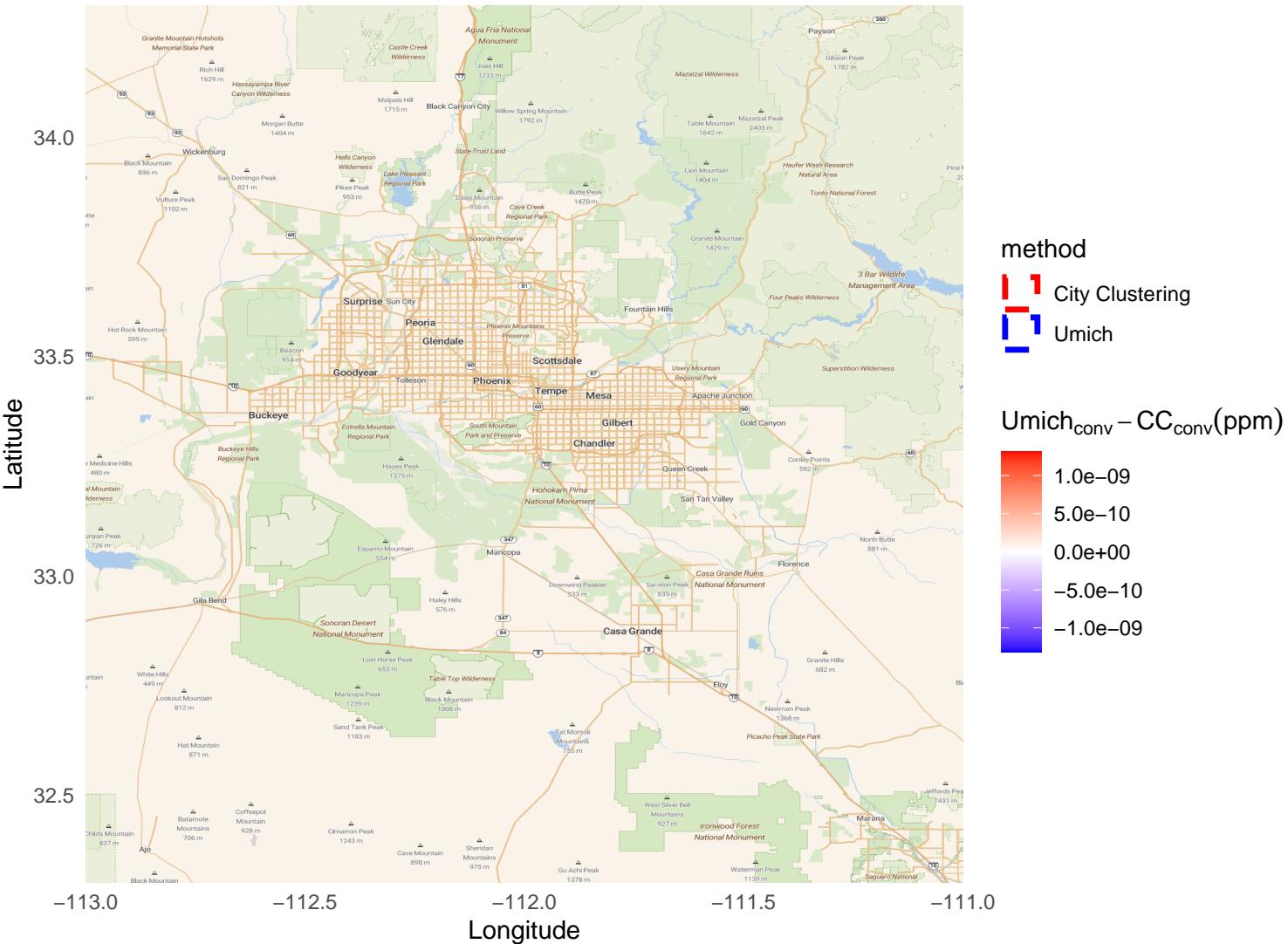
method

- City Clustering
- Umich

$\text{Umich}_{\text{conv}} - \text{CC}_{\text{conv}} (\text{ppm})$

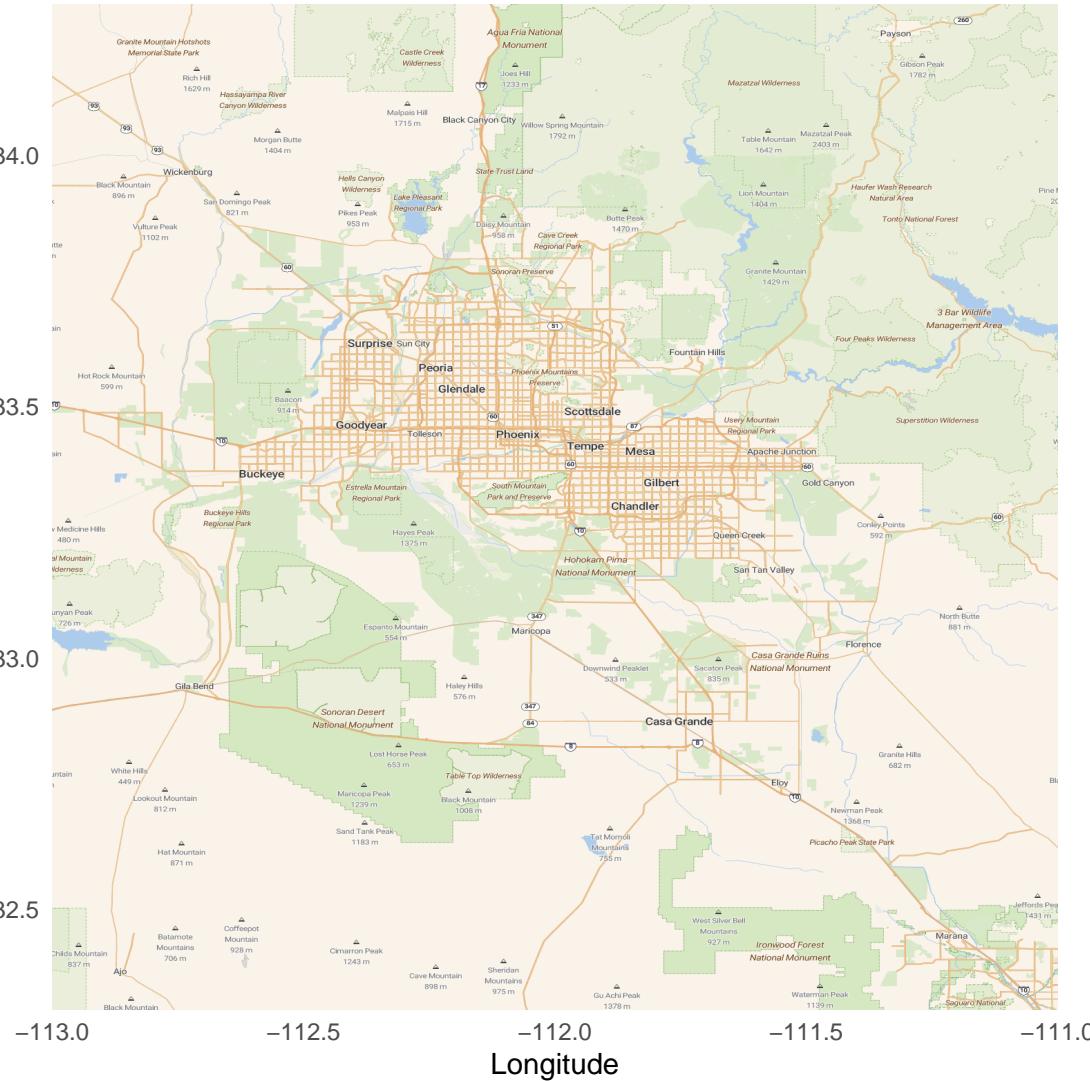


Difference in Emissions: Shapefile vs. City Clustering 2021083019



Difference in Emissions: Shapefile vs. City Clustering2022031019

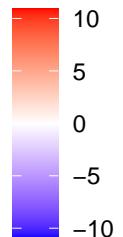
Latitude



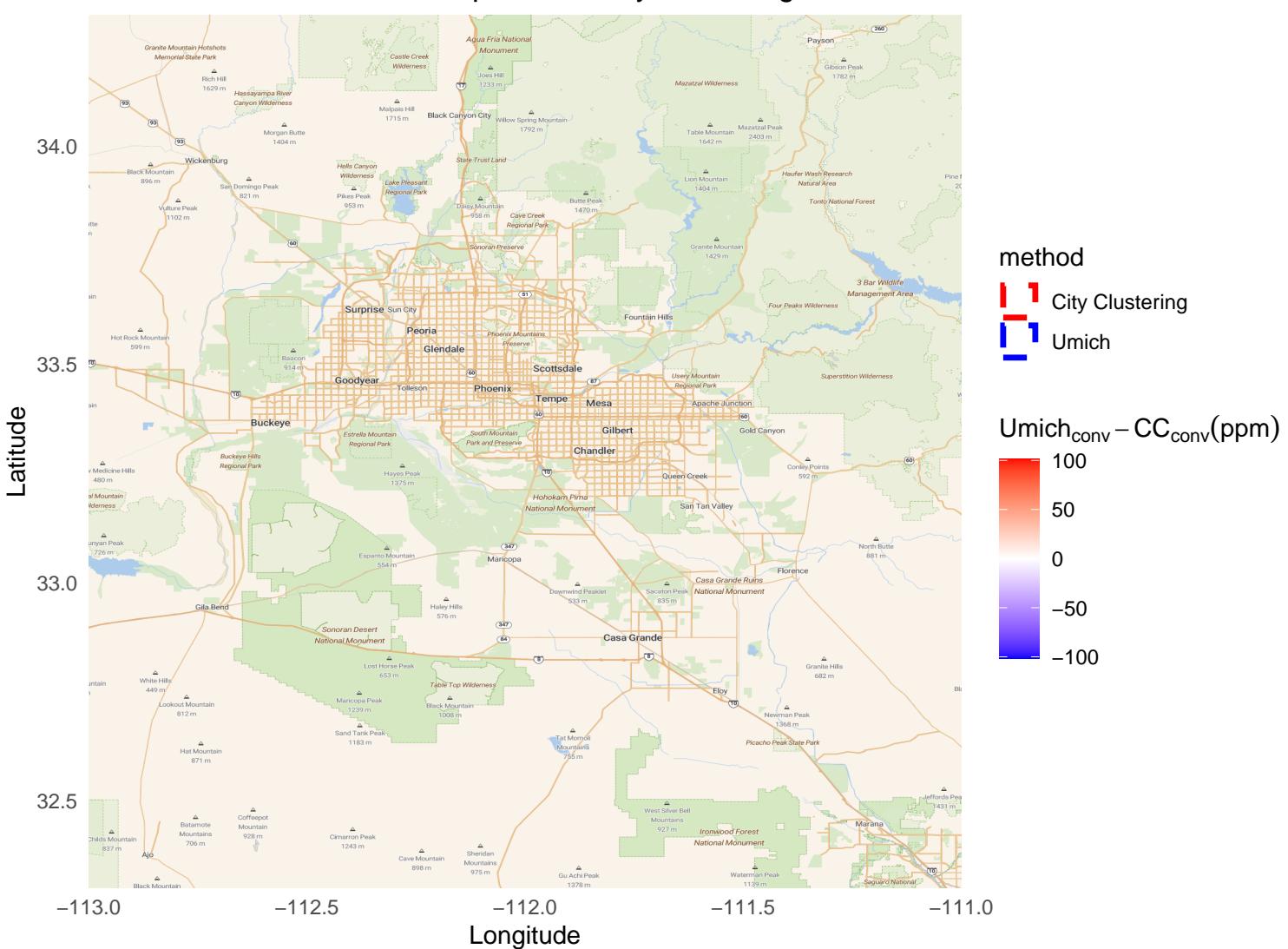
method

- City Clustering
- Umich

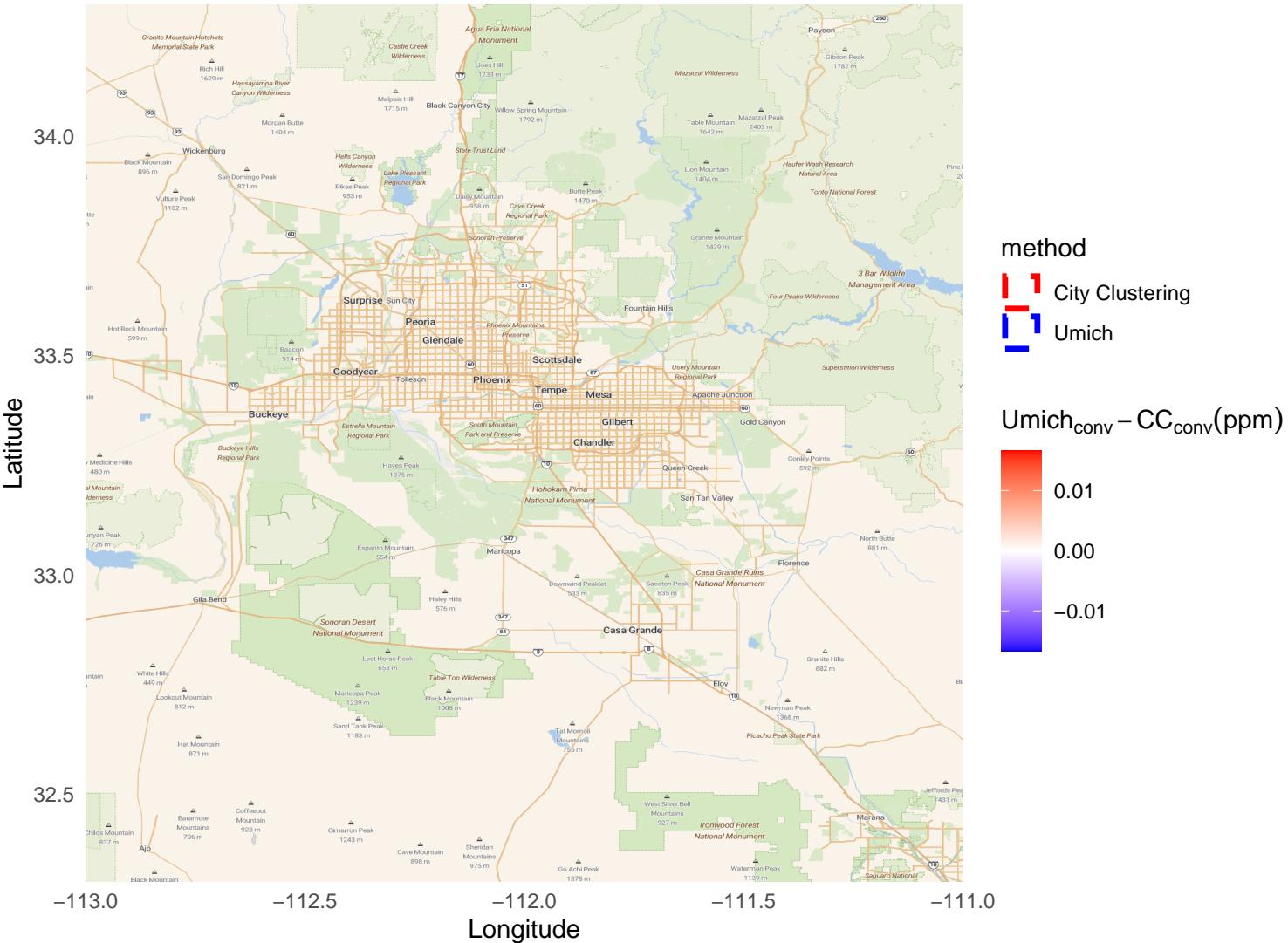
$\text{Umich}_{\text{conv}} - \text{CC}_{\text{conv}}$ (ppm)



Difference in Emissions: Shapefile vs. City Clustering2022080819

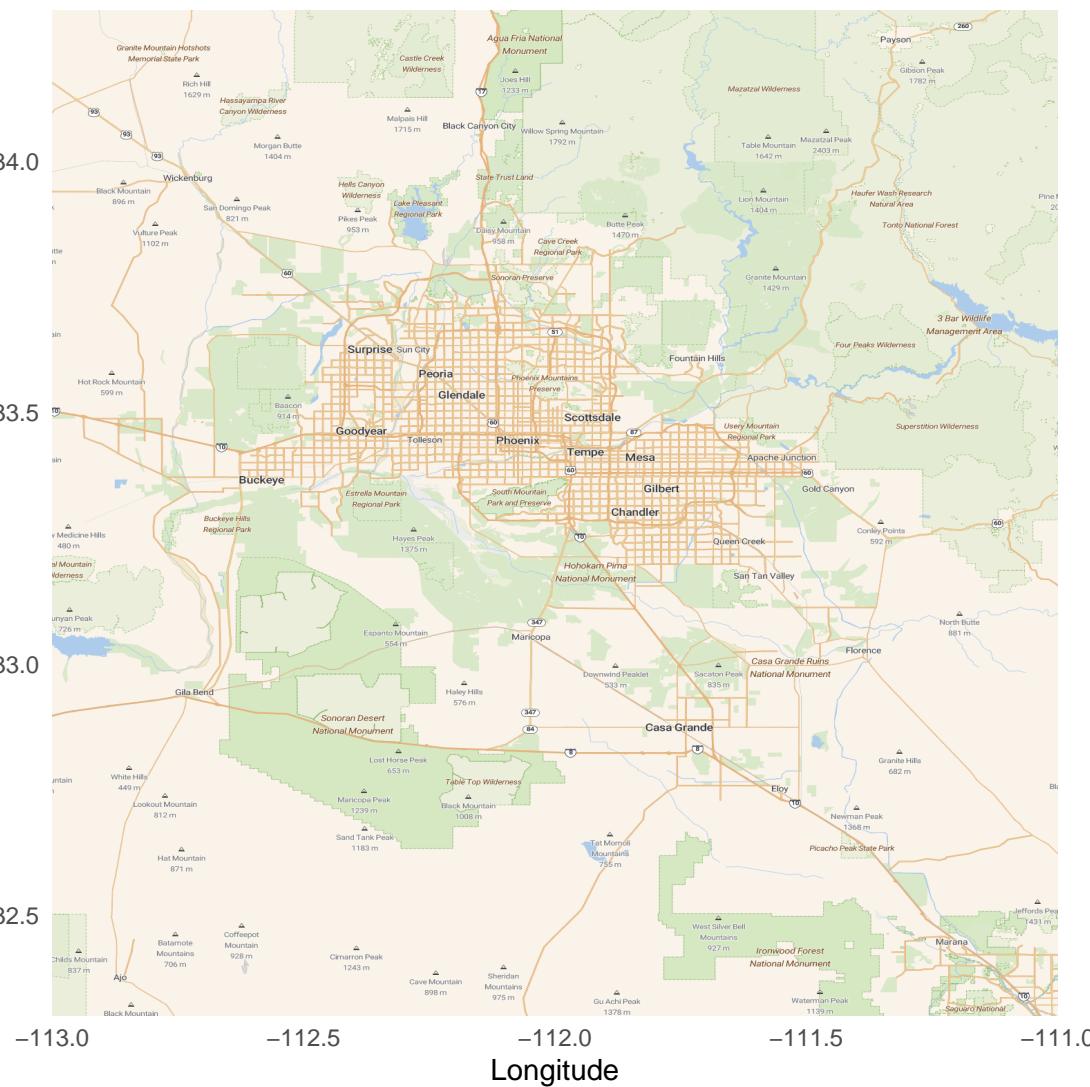


Difference in Emissions: Shapefile vs. City Clustering 2023043019



Difference in Emissions: Shapefile vs. City Clustering2023060119

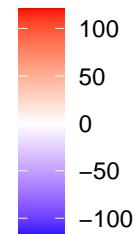
Latitude



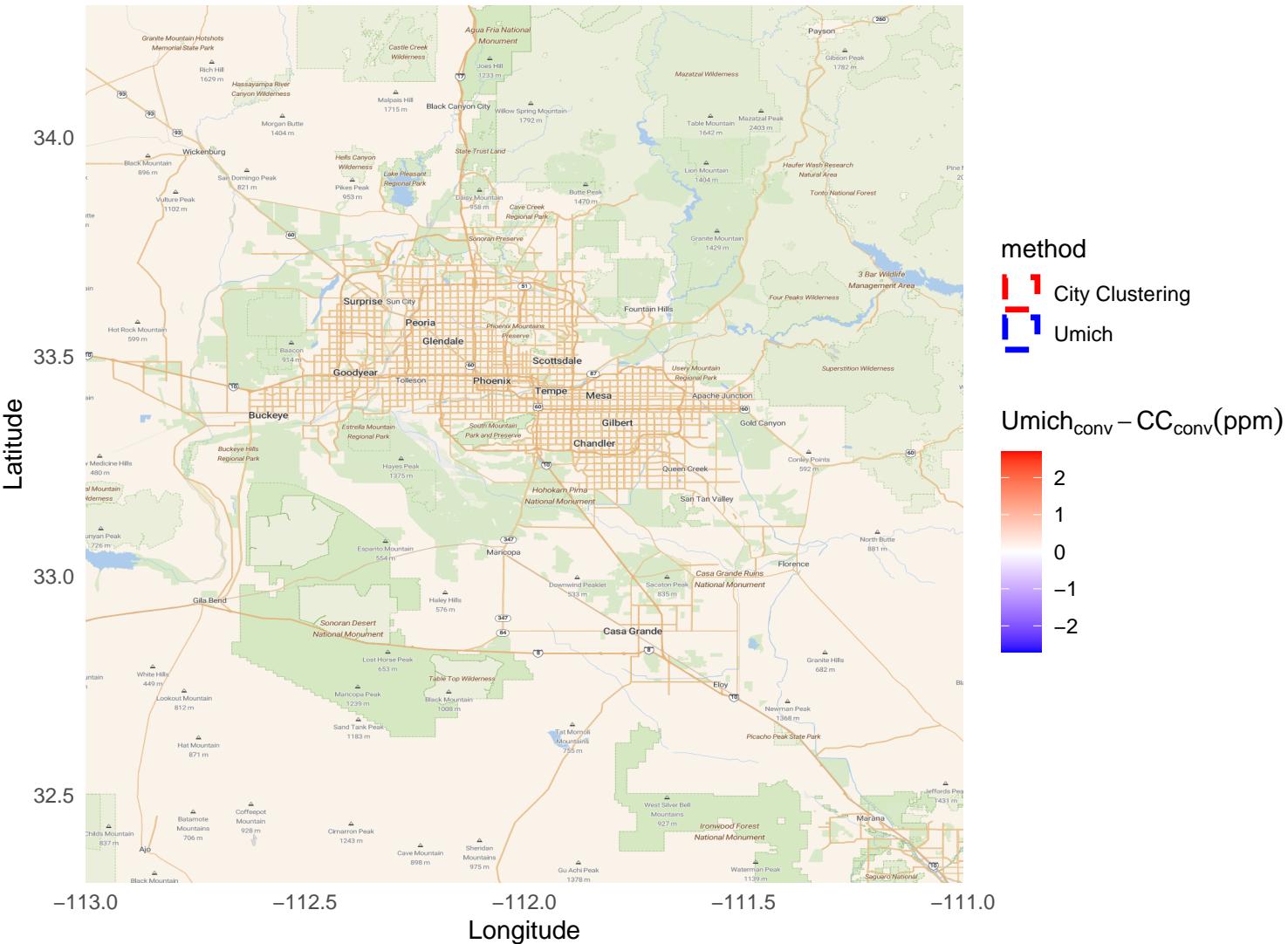
method

- City Clustering
- Umich

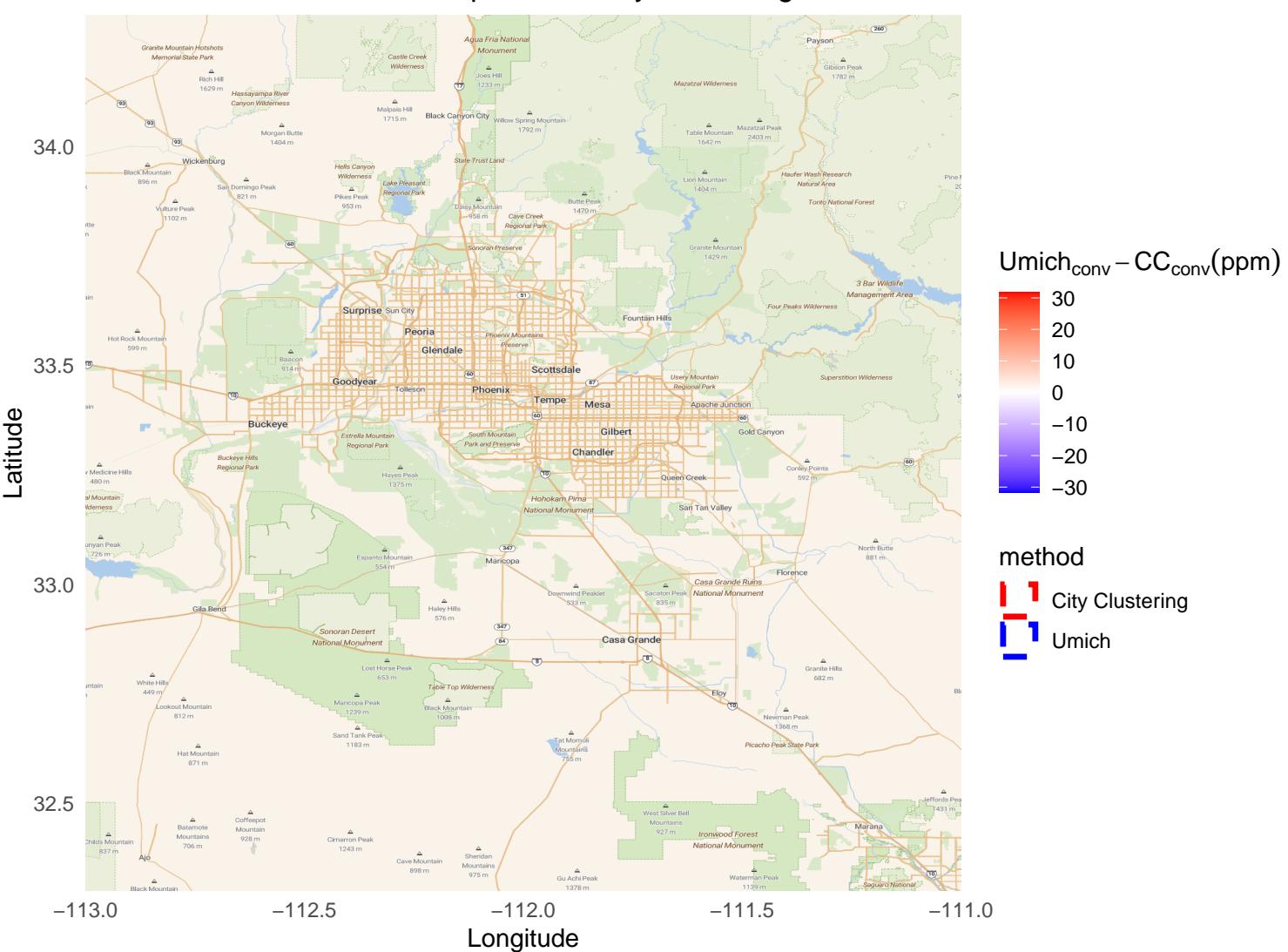
$\text{Umich}_{\text{conv}} - \text{CC}_{\text{conv}}$ (ppm)



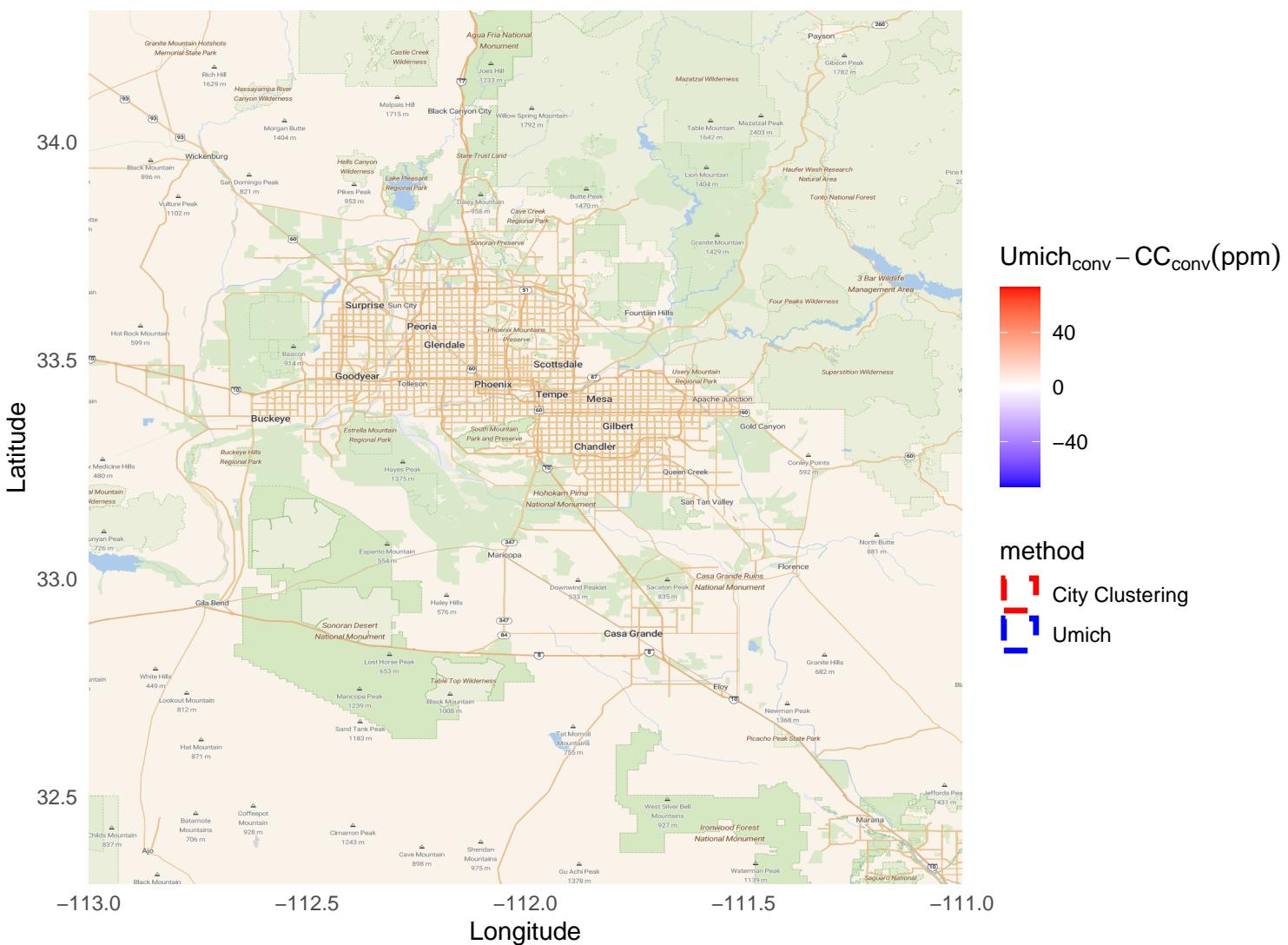
Difference in Emissions: Shapefile vs. City Clustering 2023110119



Difference in Emissions: Shapefile vs. City Clustering2024010419



Difference in Emissions: Shapefile vs. City Clustering2024051819



Difference in Emissions: Shapefile vs. City Clustering2024121919

