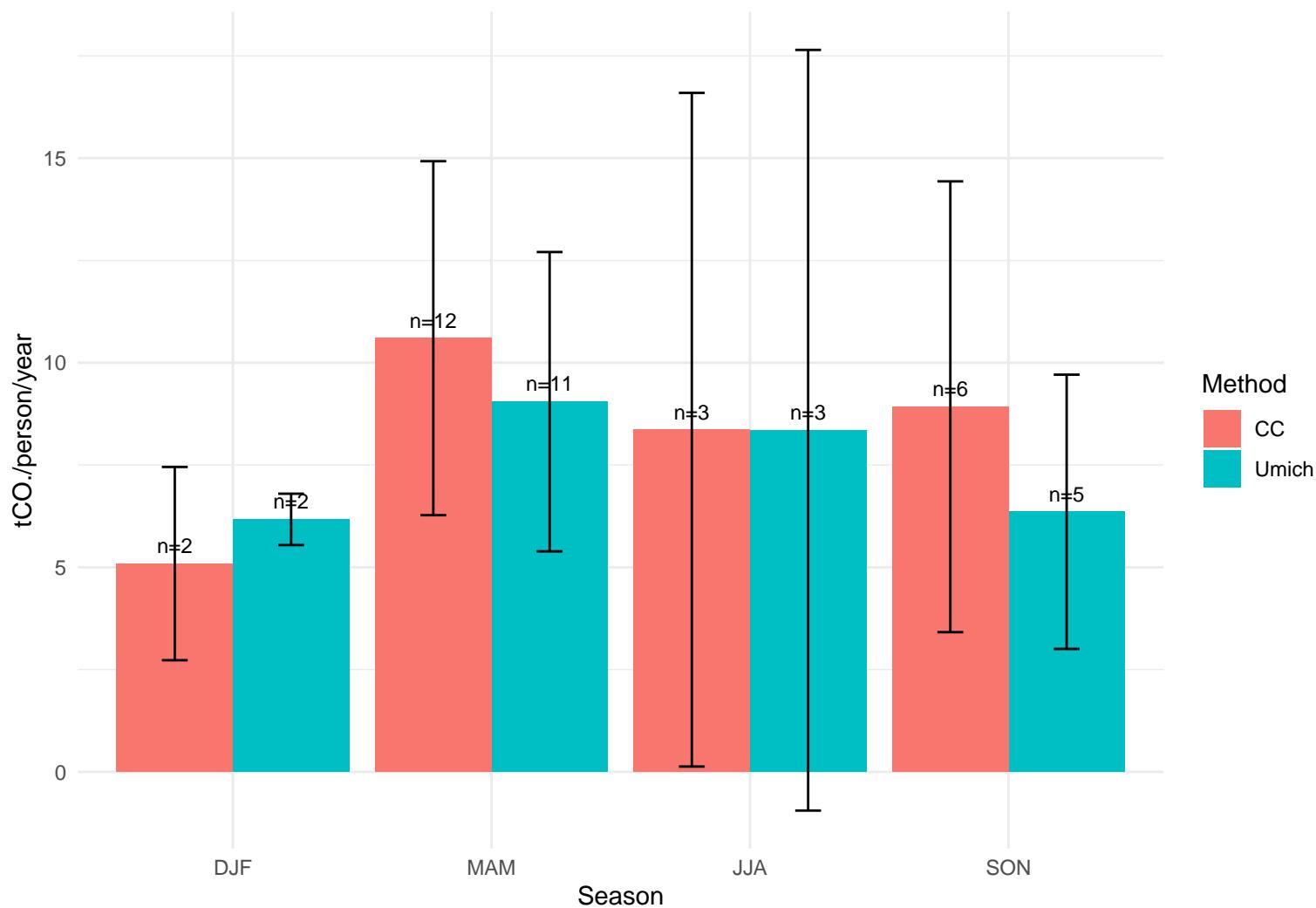


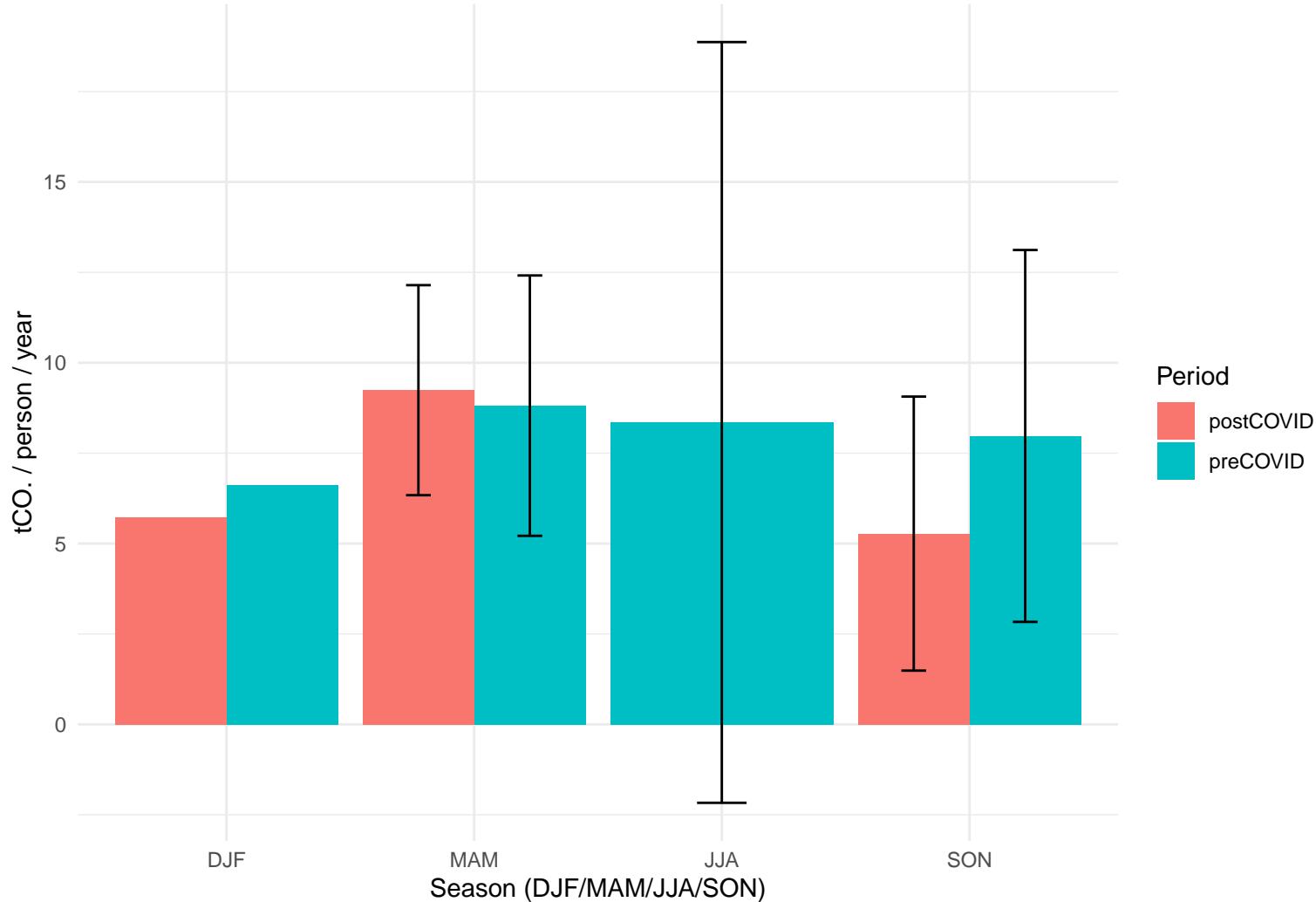
Emissions per-capita seasonality (SHP vs CLUSTER)

Phoenix



Pre vs Post COVID seasonal per-capita emissions (Umich)

Phoenix



Pre vs Post COVID seasonal per-capita emissions (CC)

Phoenix

tCO₂ / person / year

15

10

5

0

Period

- postCOVID
- preCOVID

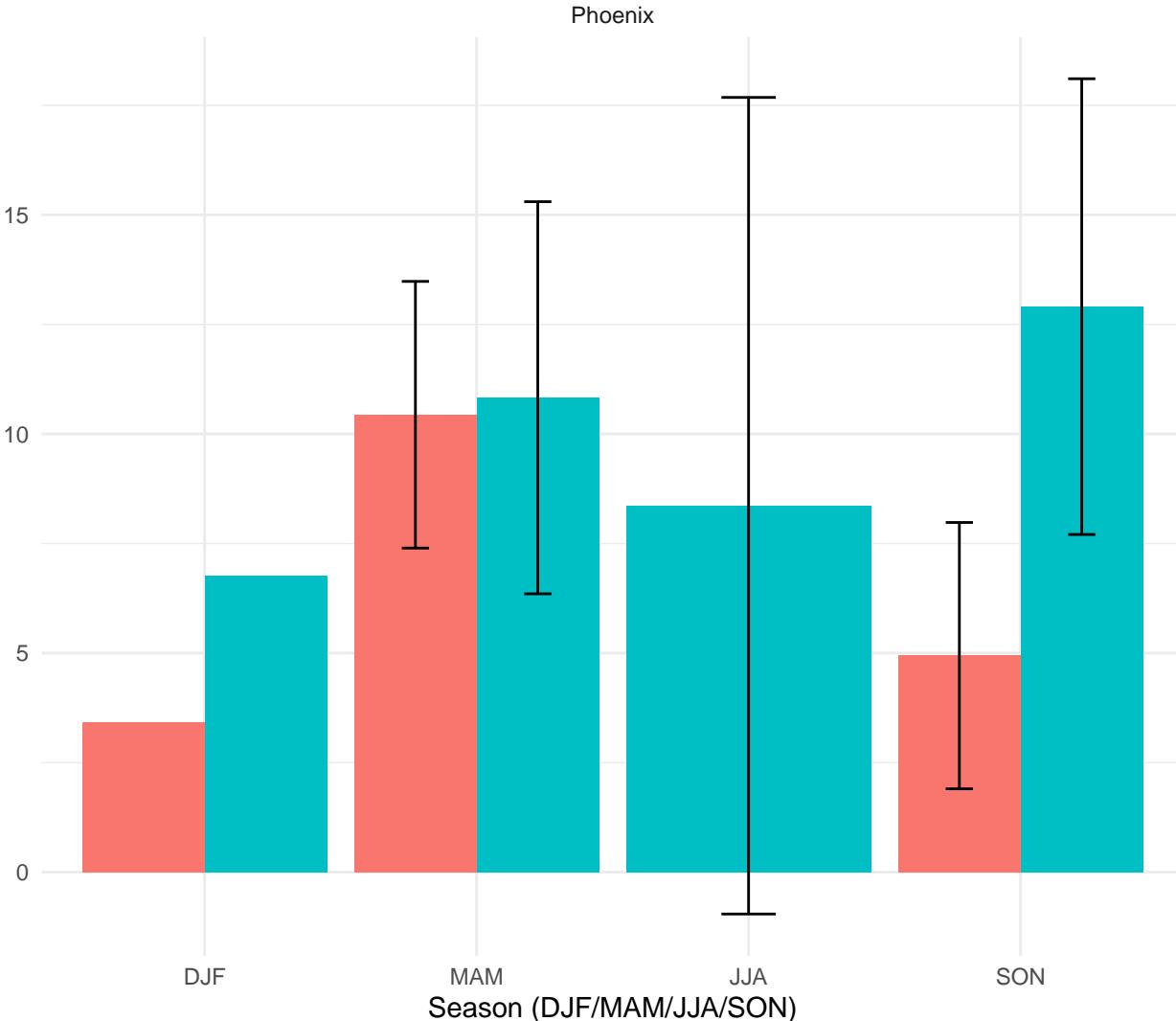
DJF

MAM

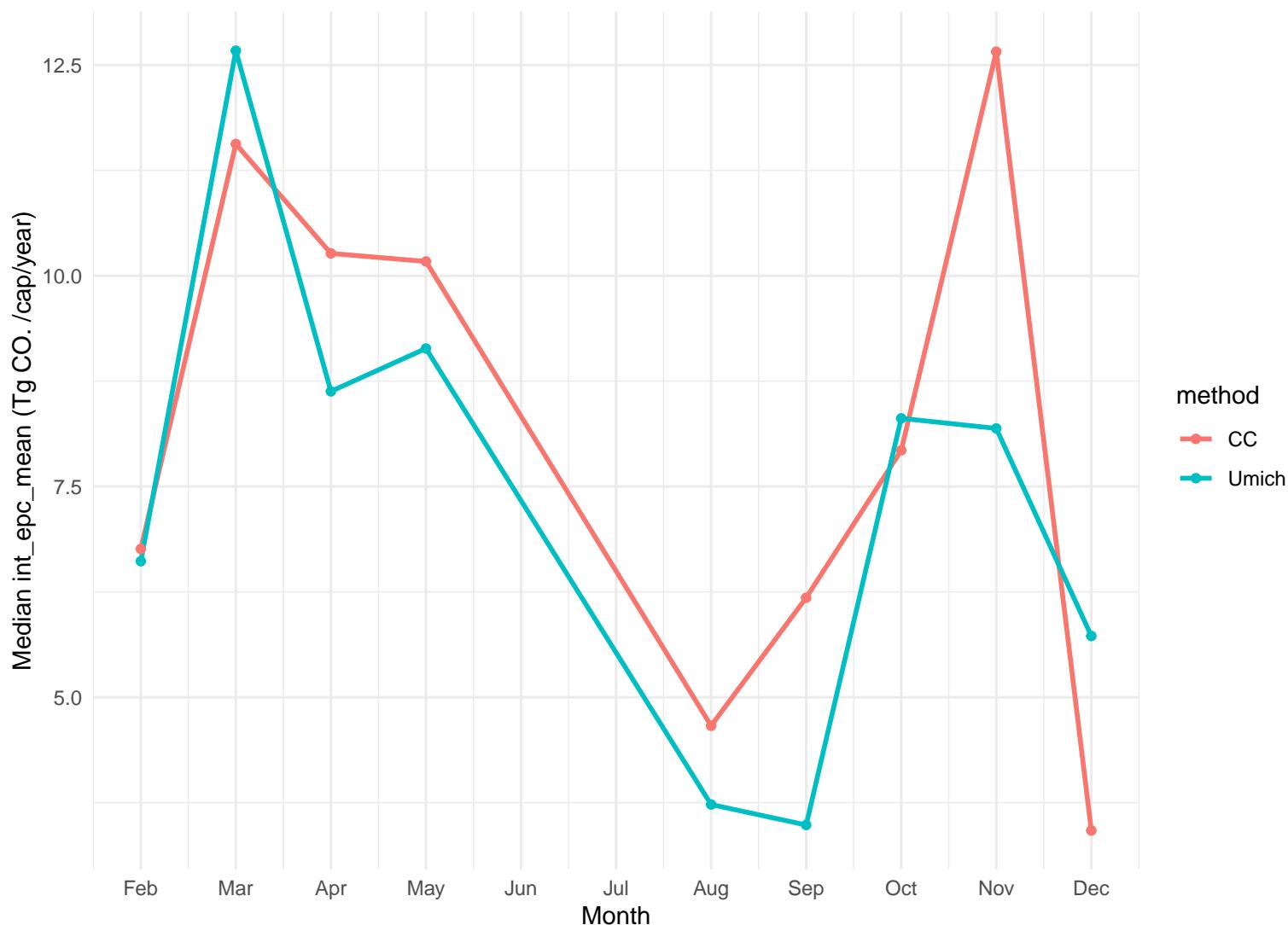
JJA

SON

Season (DJF/MAM/JJA/SON)

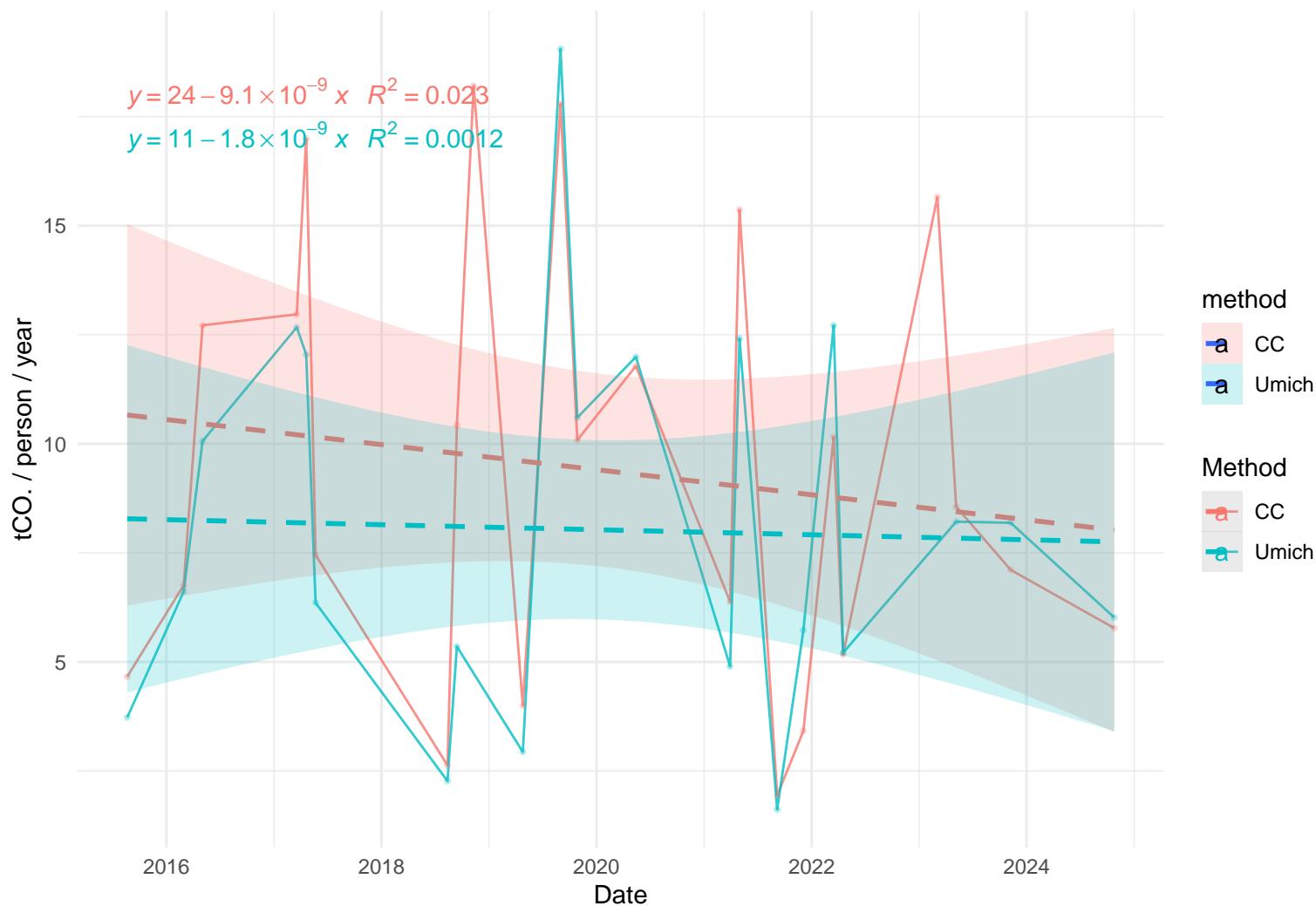


Seasonality of Per Capita CO₂ Emissions (Phoenix)

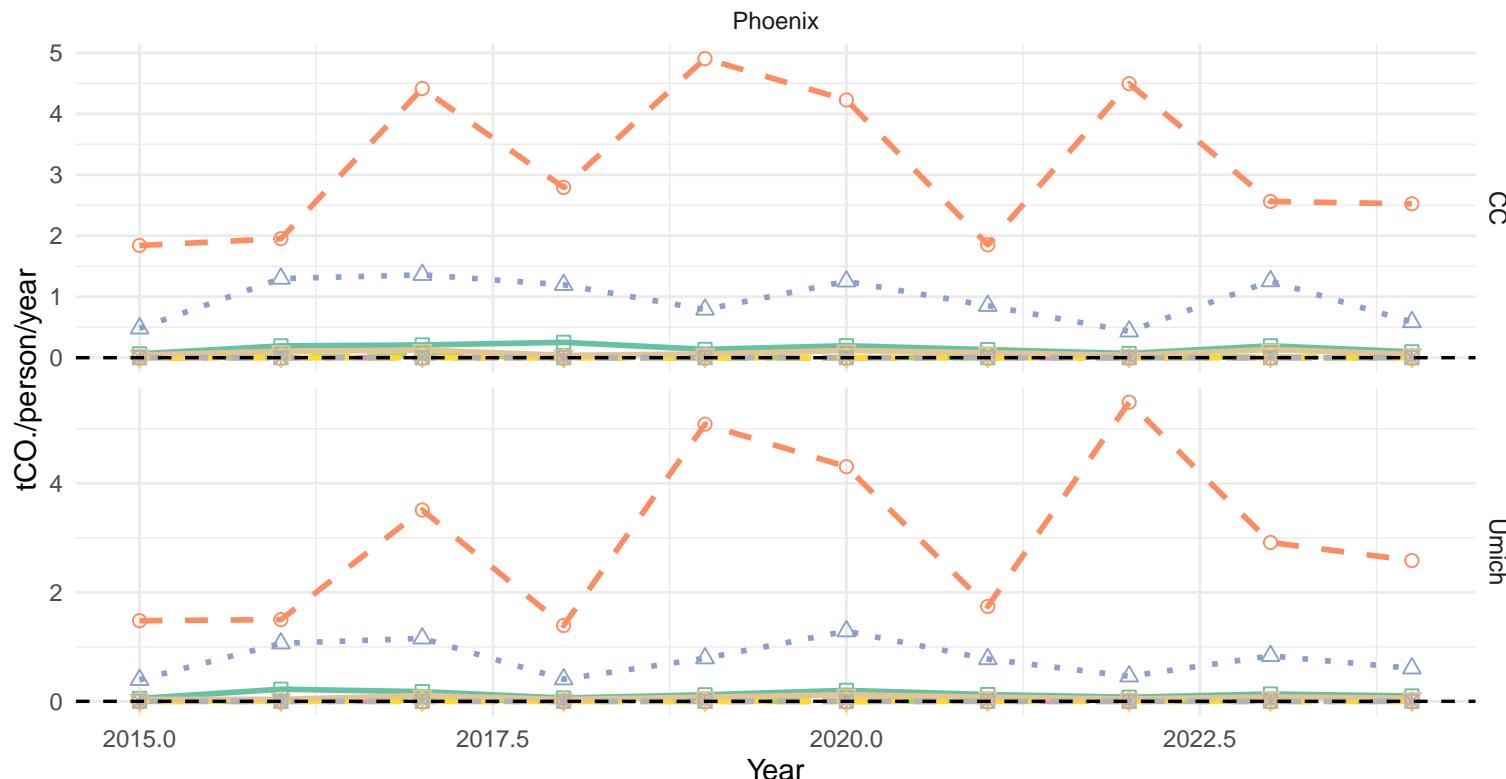


Temporal change in per-capita emissions (SHP vs CLUSTER)

Phoenix

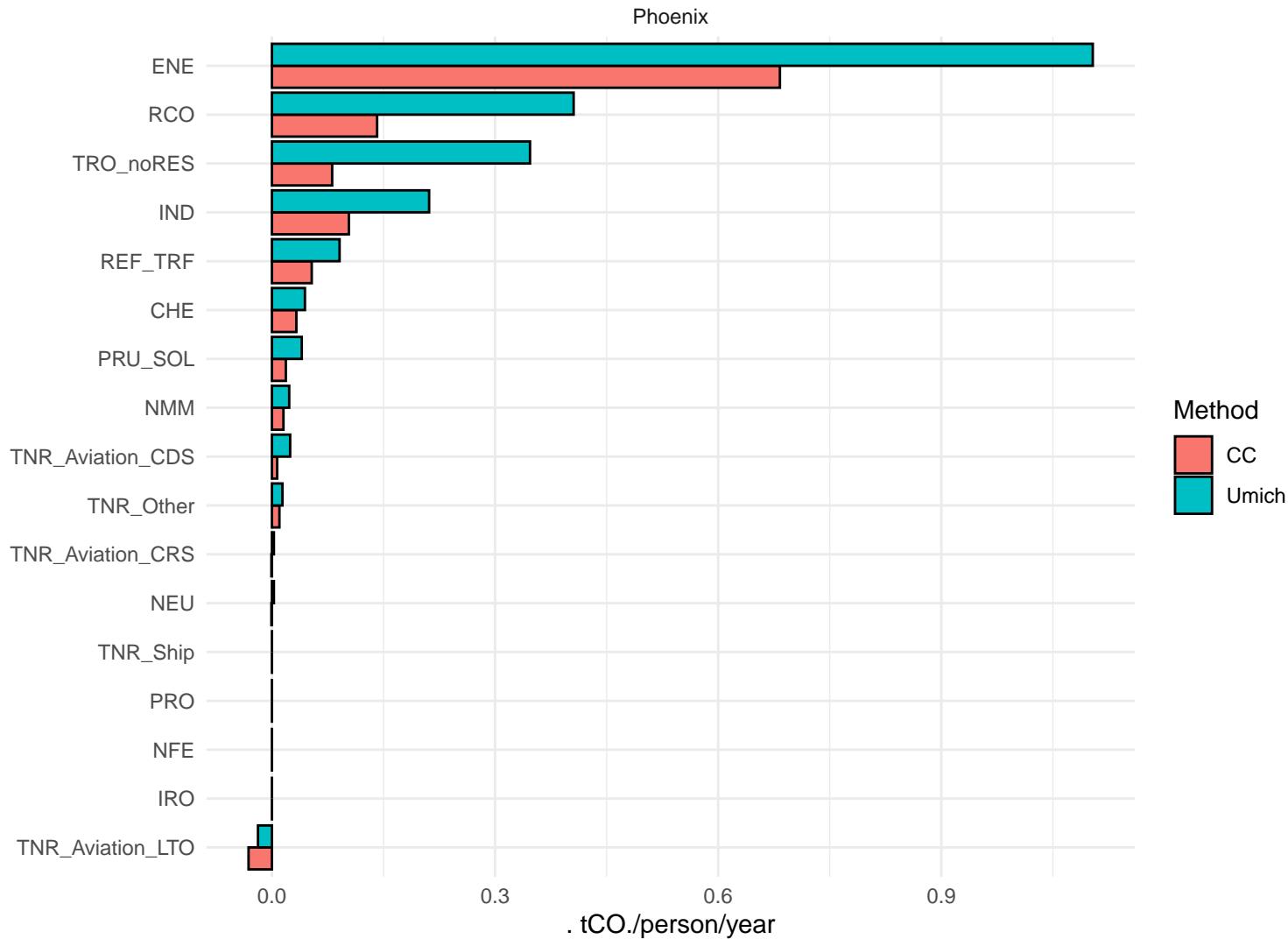


Sectoral per-capita contributions (sectors < pct10 collapsed to Other)



sector_collapsed	CHE	NEU	PRU_SOL	TNR_Aviation_CRS	TRO_noRES
	ENE	NFE	RCO	TNR_Aviation_LTO	
	IND	NMM	REF_TRF	TNR_Other	
	IRO	PRO	TNR_Aviation_CDS	TNR_Ship	

Net change in sectoral per-capita CO₂ (last – first year)



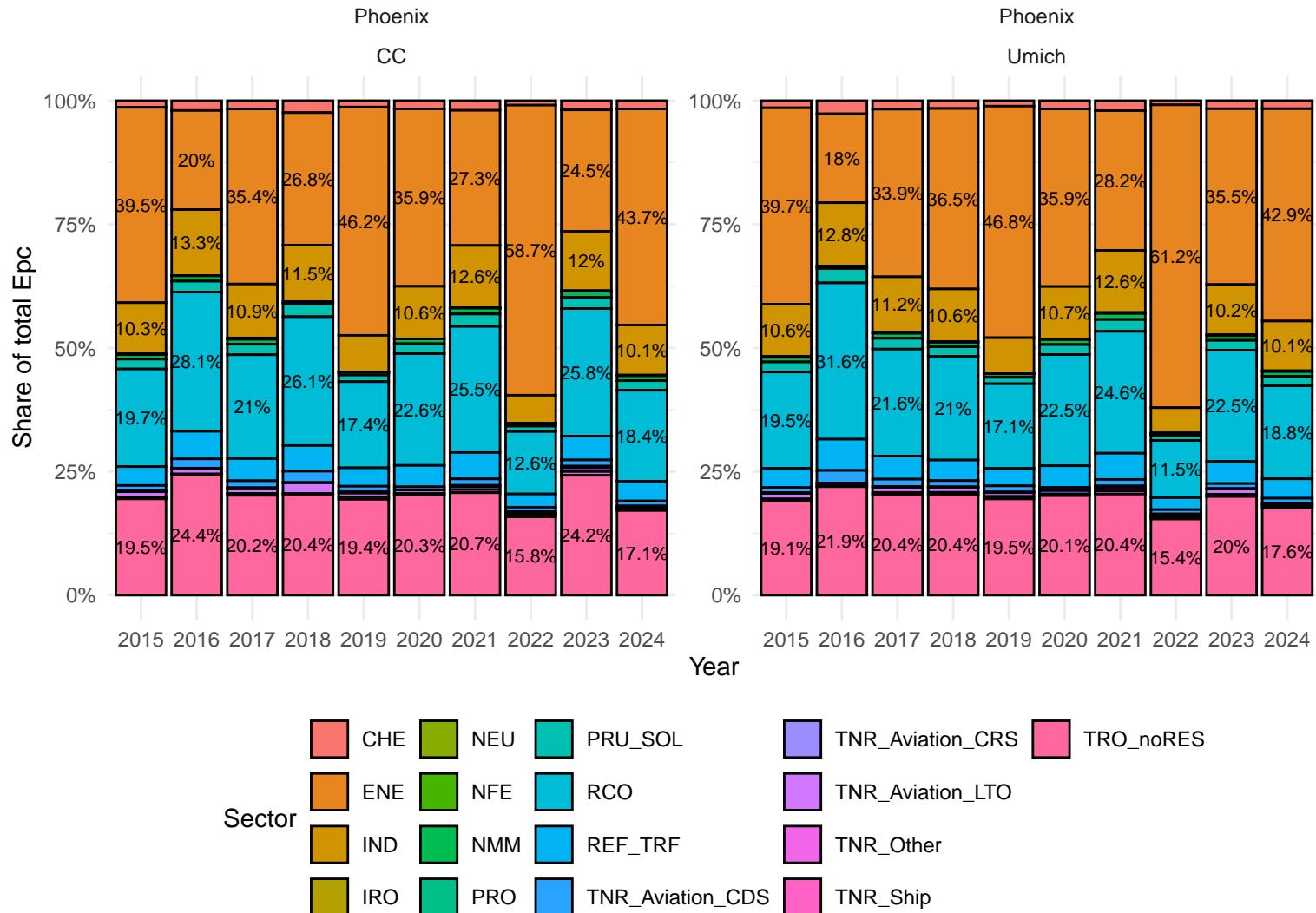
Sectoral Contributions to Per Capita CO₂ Emissions



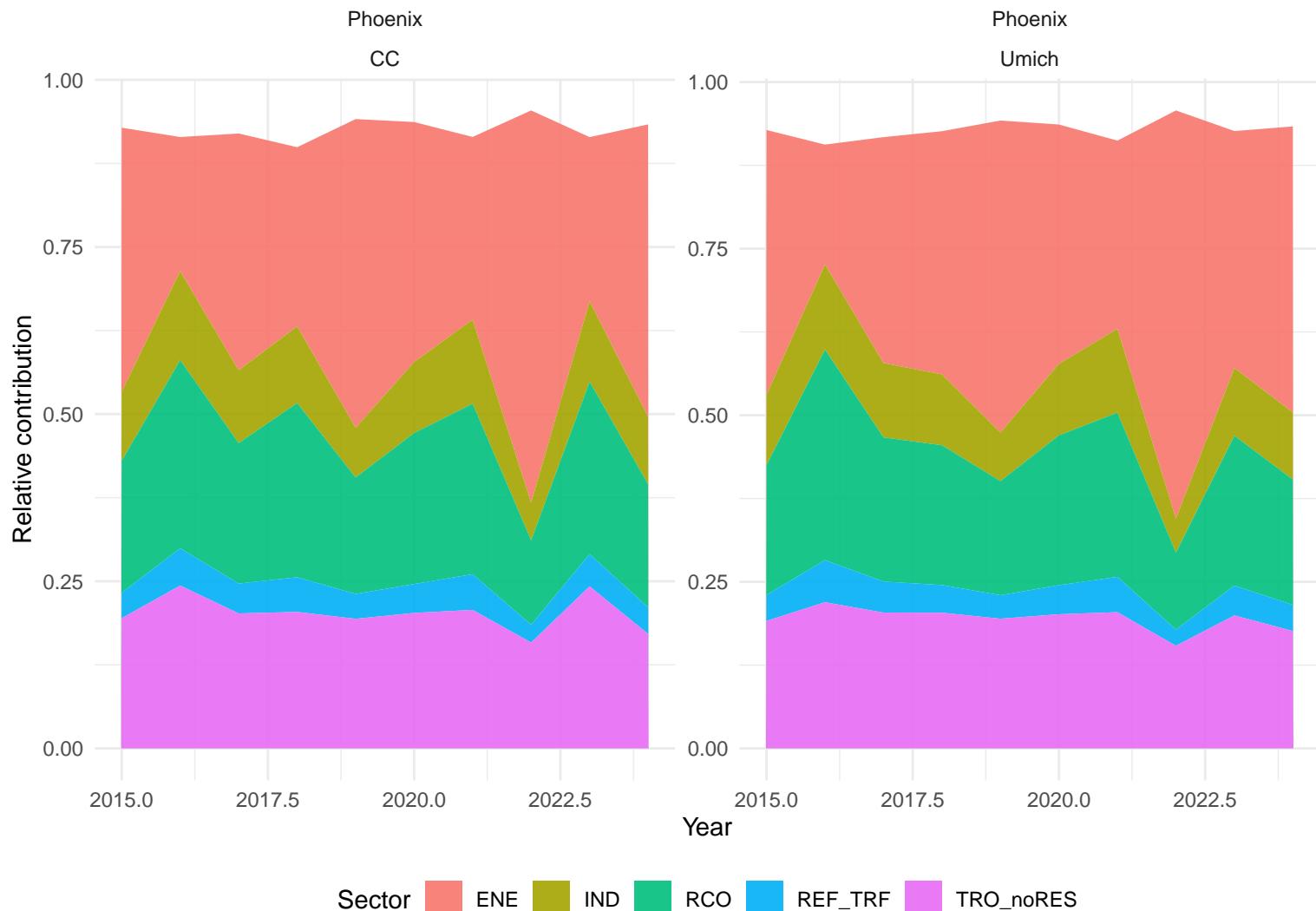
Relative sectoral contributions to per-capita emissions



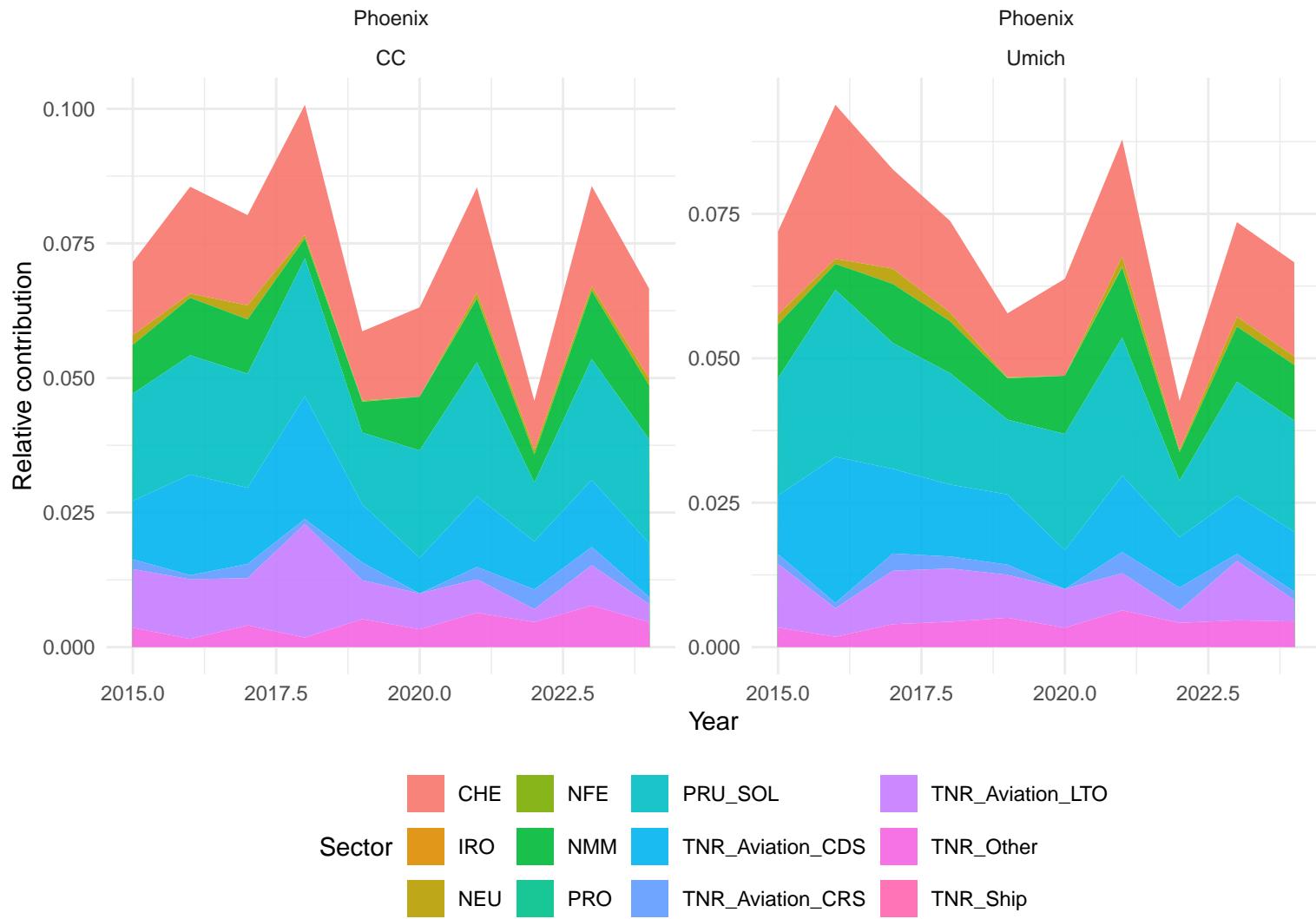
Relative sectoral contributions (labels only for >10%)



Top 5 sectors – relative contributions



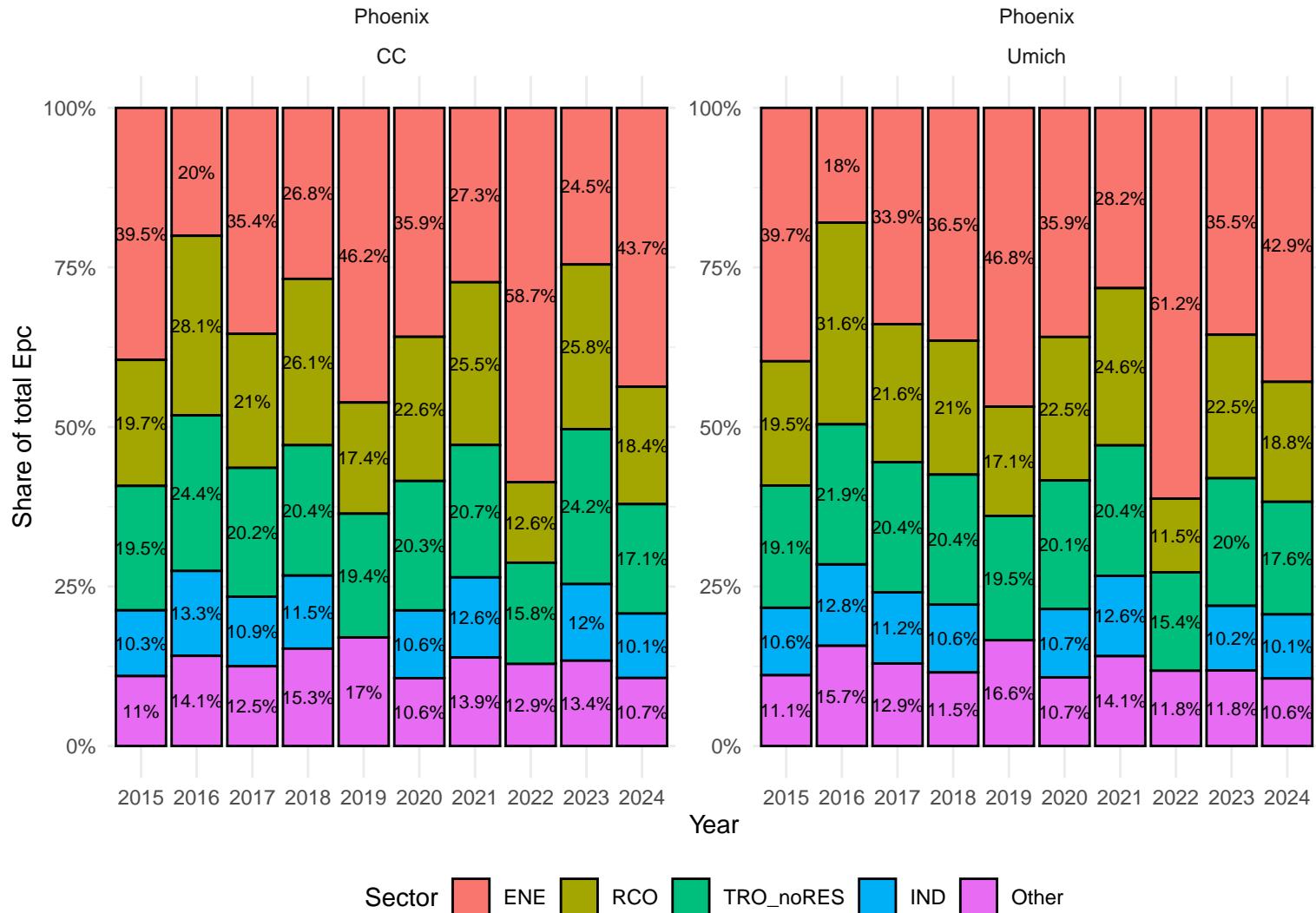
Other sectors – relative contributions



Relative sectoral contributions (filtered by 10th–percentile of 10–year mean Epc)



Relative sectoral contributions to per-capita emissions (<=10% collapsed to Other)



Relative sectoral contributions by season (shares sum to 100%)

