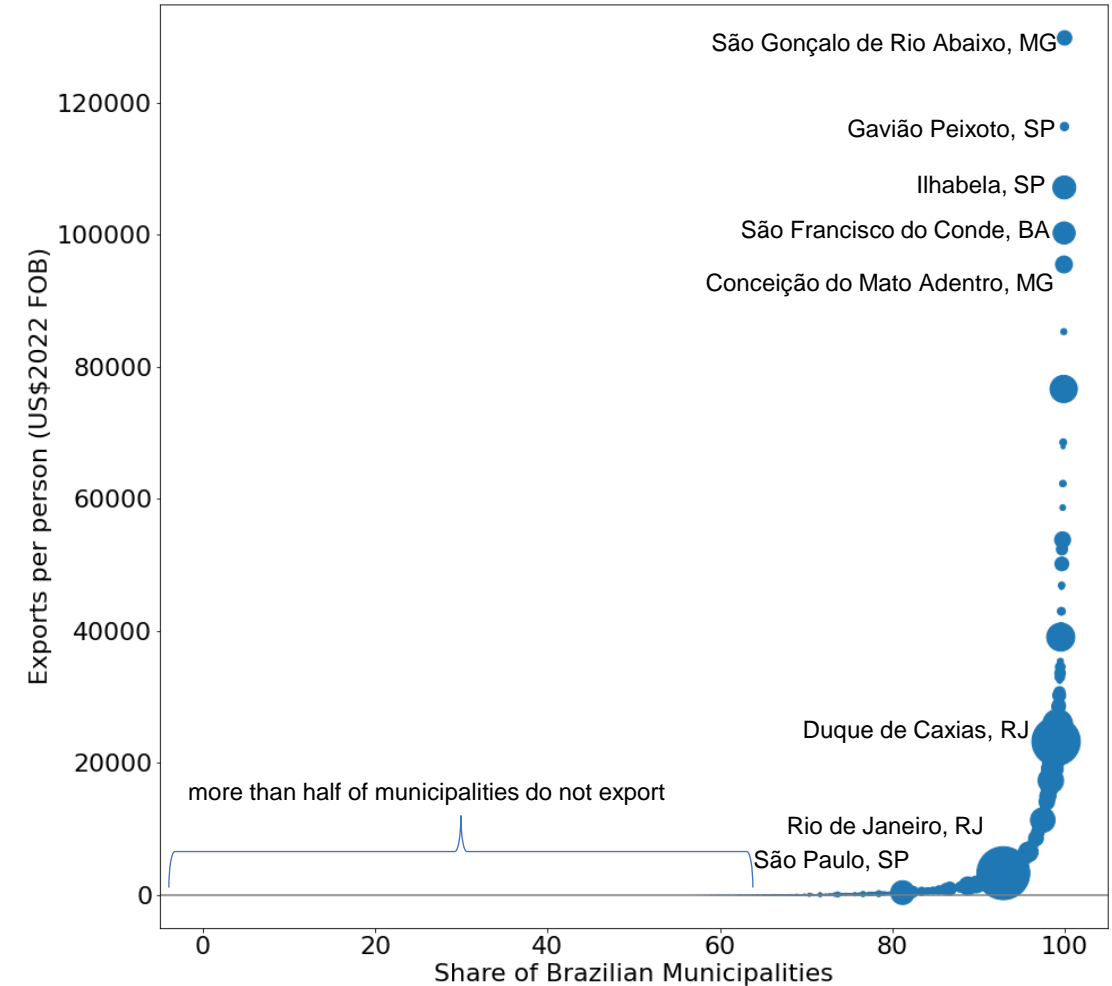


# Local exposure to exports

- **More than half of Brazilian municipalities did not export in 2022**
- **Among the top 20 largest cities in Brazil, only Rio de Janeiro-RJ (\$3,303), Curitiba-PR (\$1367), Guarulhos-SP (\$1591), and São Luís-MA (\$1838) have per capita exports larger than \$1000.**
- **However, some smaller municipalities have very high exposure to exports.**

## Brazilian Municipalities: Exports per Person, 2022

(In US\$2022 per person; bubbles are proportional to total municipal exports)



Sources: Own calculations with MDIC, IBGE and Fred data.

# Local exposure to exports

**São Gonçalo de Rio Abaixo, MG  
(Vale *Brucutu* Mining Site)**

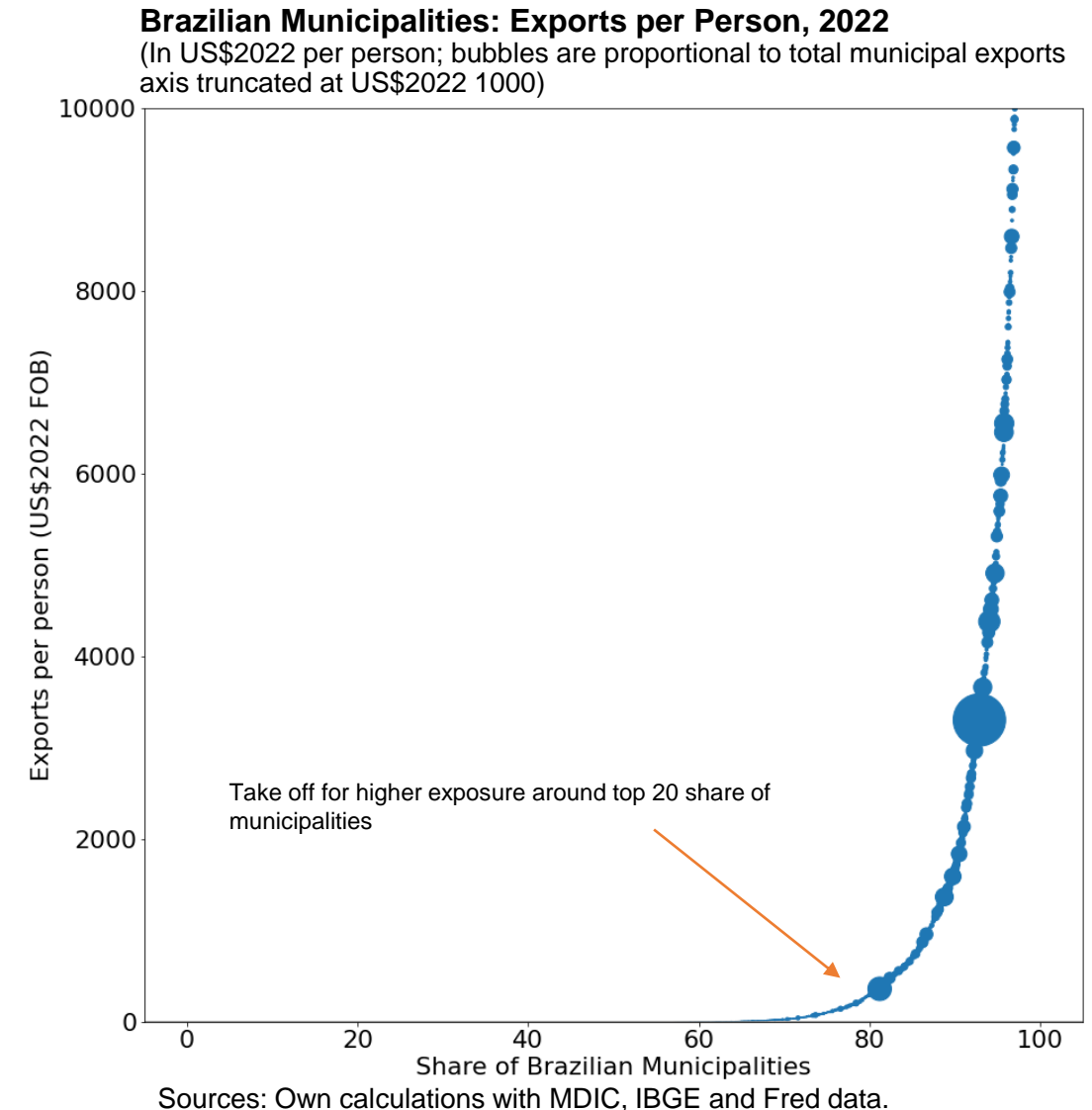


**Gavião Peixoto, SP  
(Embraer Production Plant)**



# Local exposure to exports... Zooming in

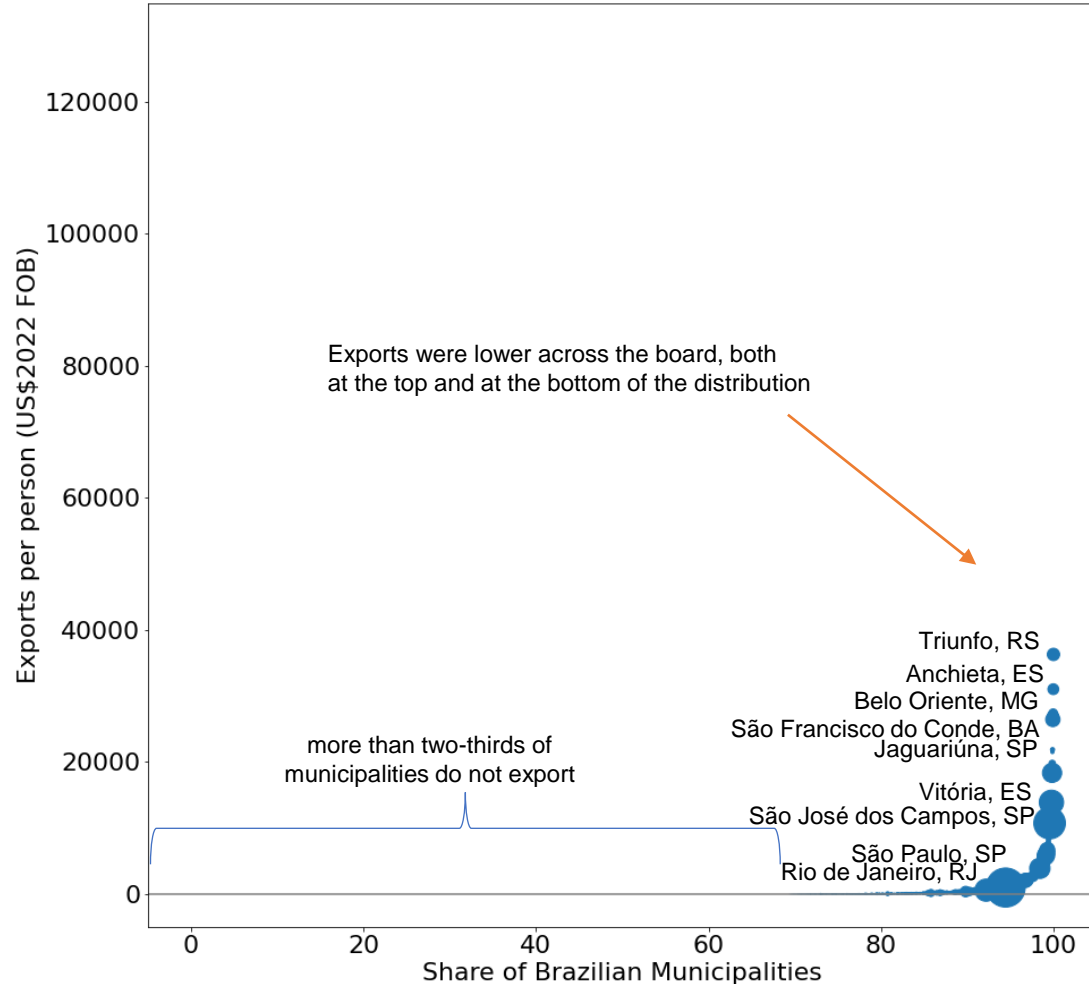
- In 2022, the turning point seems to be around percentile 80...
- ...in other words, 20 percent of Brazilian municipalities were more exposed to exports.



# Going back 20 years, total exposure is lower and the take off threshold was higher

**Brazilian Municipalities: Exports per Person, 2002**

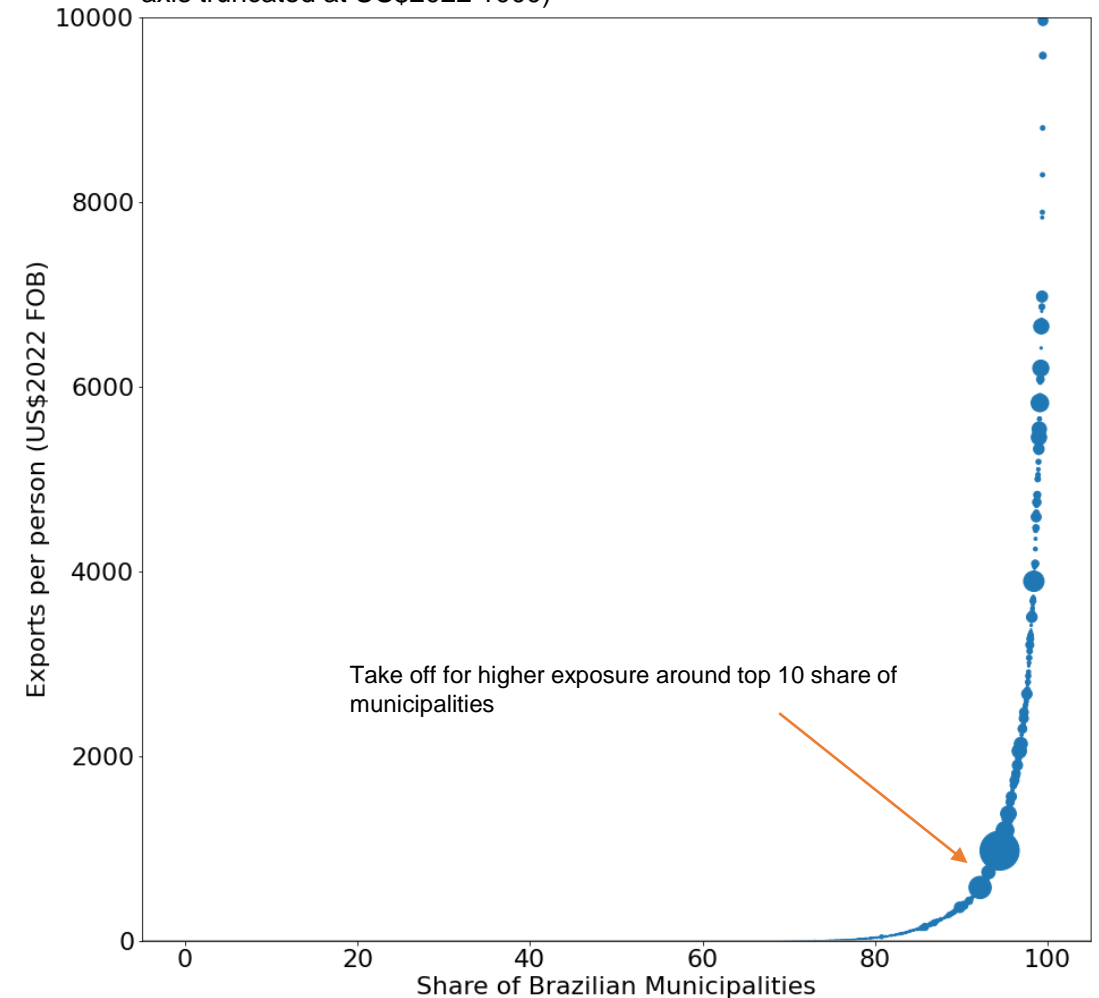
(In US\$2022 per person; bubbles are proportional to total municipal exports)



Sources: Own calculations with MDIC, IBGE and Fred data.

**Brazilian Municipalities: Exports per Person, 2002**

(In US\$2022 per person; bubbles are proportional to total municipal exports; axis truncated at US\$2022 1000)



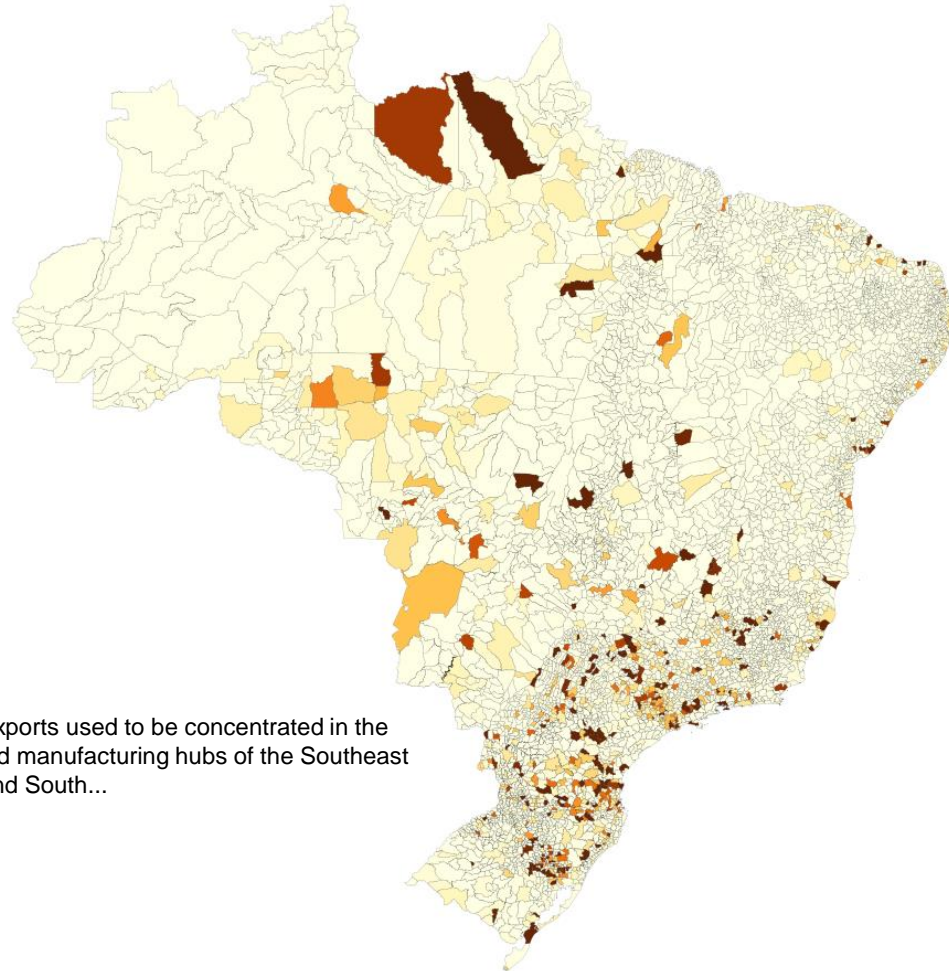
Sources: Own calculations with MDIC, IBGE and Fred data.



# Looking at the distribution over space, one can see the take off of the Midwest and agro

## Brazilian Municipalities: Exports per Person, 2002

(In US\$2022 per person; bubbles are proportional to total municipal exports; distribution truncated at US\$2022 2500+)

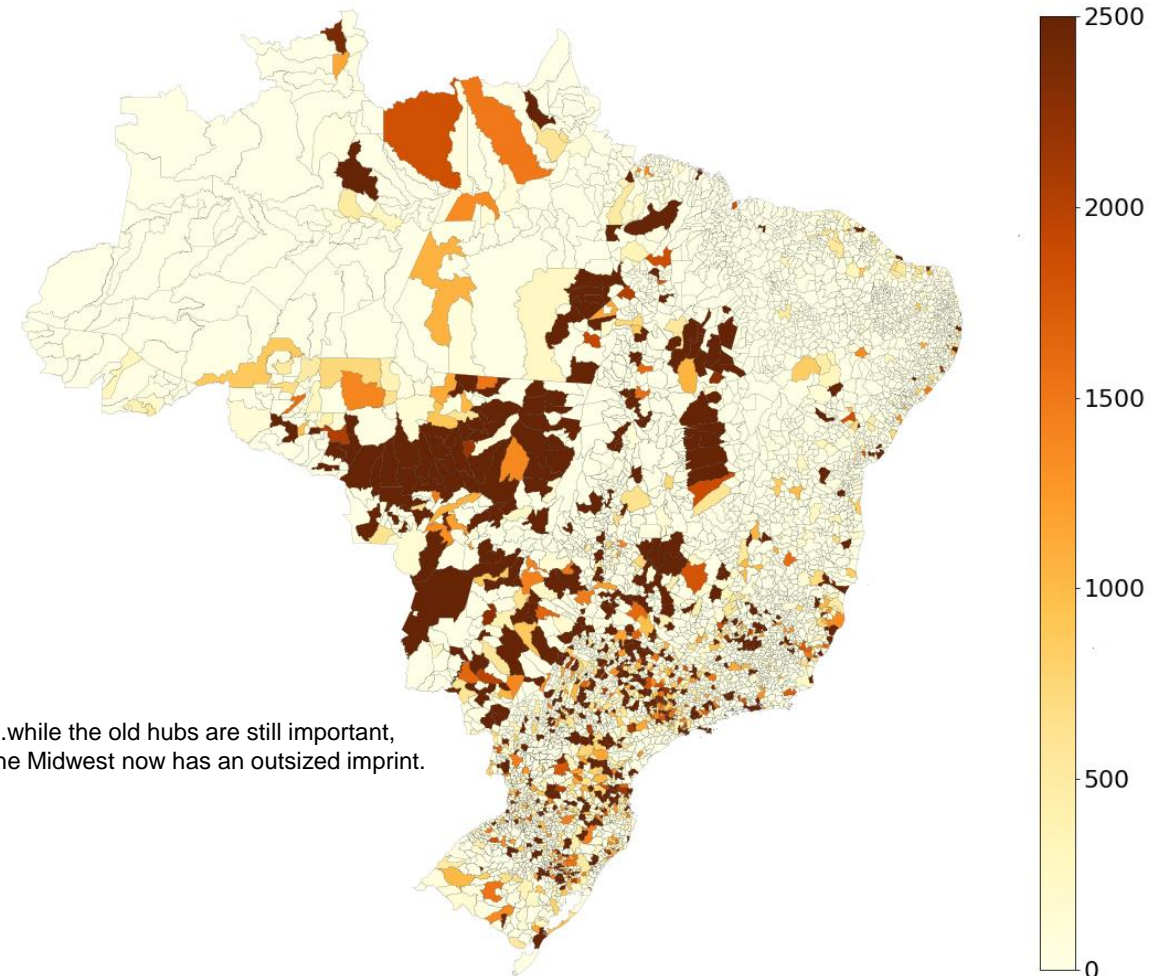


Exports used to be concentrated in the old manufacturing hubs of the Southeast and South...

Sources: Own calculations with MDIC, IBGE and Fred data.

## Brazilian Municipalities: Exports per Person, 2022

(In US\$2022 per person; bubbles are proportional to total municipal exports; distribution truncated at US\$2022 2500+)



...while the old hubs are still important, the Midwest now has an outsized imprint.

Sources: Own calculations with MDIC, IBGE and Fred data.