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## *How green and grey are making blue in PCJ Basins*

“Rebalancing concrete infrastructures and nature-based solutions to improve resilience: when green and grey make blue!”



# Reality and challenges

PCJ basins have severe scarcity, low quality of water in rivers, and correspond to 7% of Brazil's GDP



5.950.371 (2020)

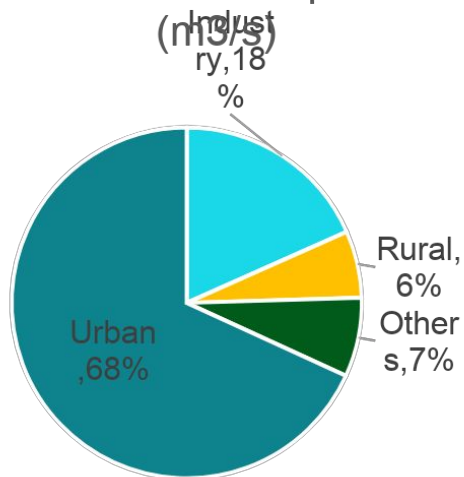


952 m<sup>3</sup>/hab./year



67% removal efficiency

## Water consumption



São Paulo Macrometropolis (Expanded Metropolitan Complex) until 2035:



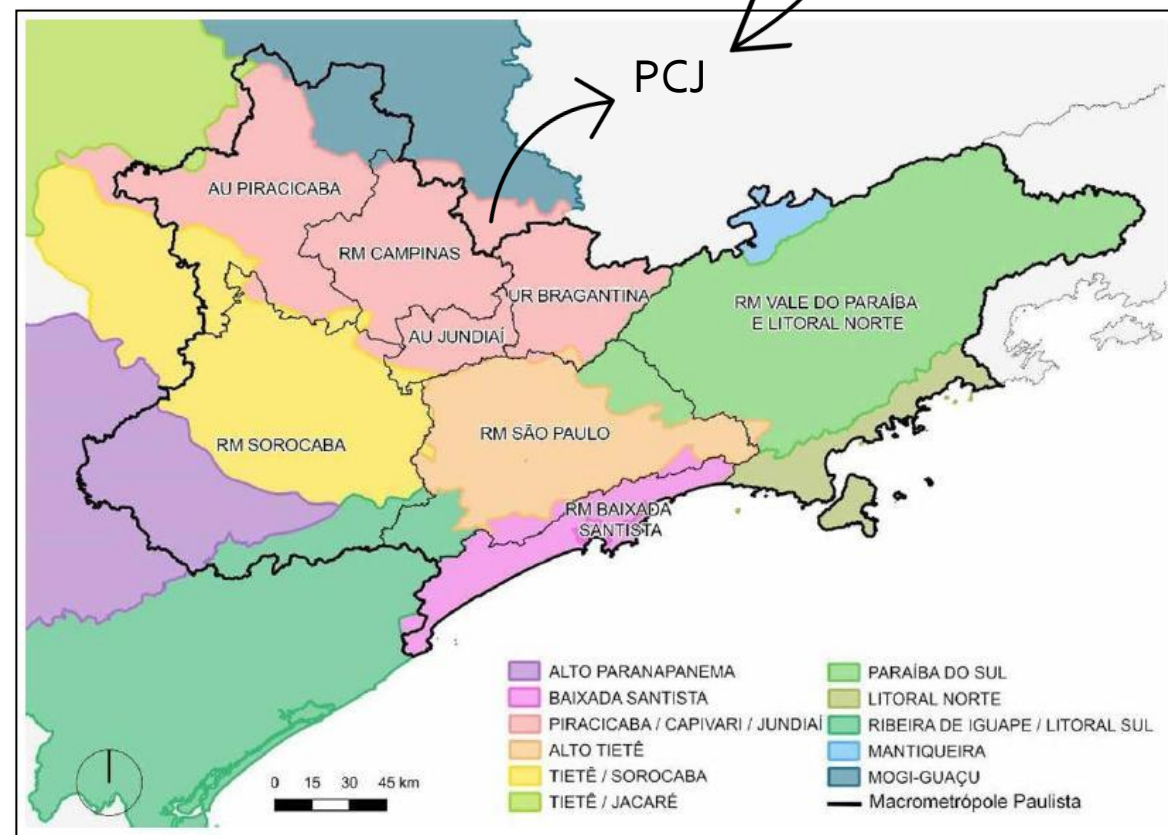
+ 60 m<sup>3</sup>/s



30 m<sup>3</sup>/s



30 m<sup>3</sup>/s





## “Eyes of Serra” Project

- Monitoring “Serra do Japi” area against forest fires and invasions;
- Environmental awareness to preserve the Biological Reserve;
- Research and conservation of springs (a reservoir will be built in the area for public supply).



## “Ecological Stormwater Retention Basin”

- Urban and rural natural systems of stormwater retention basins;
- Provides groundwater recharge, recreational opportunities, and improved water quality (runoff treatment);
- Reduces the potential for flooding and soil erosion.







## “More Sustainable House”

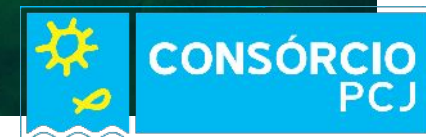
- Environmental education for saving water and energy;
- Practical examples and suggestions for more accessible technologies and sustainable constructions;
- Encouraging conscious consumption and correct waste disposal.



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*Thank you!*

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