

THE NATURALIZATION OF UNEQUAL WATER ACCESS IN CAMPINA GRANDE, NORTHEAST BRAZIL







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Study object

- Drought cicle in Brazilian Semiarid since 2012
- Water supply conditions in urban area
- Users' perceptions on the impacts of the water rationing

Tools and data

- ✓ Campina Grande city 402,912 inhabitants in 2014 (INSA 2012)
- ✓ Water shortage risk map
- ✓ An intentional sample of households
- ✓ 21-months qualitative research sample period Oct 2014-June 2016
- ✓ Political Ecology perspective

Results

- Water storage units: water tanks, barrels, jars, buckets, plastic bottles, cisterns
- After water rationing: measures to water-saving, water consumption reduction and increase water storage capacity
- Comparing a high-income user's narrative with a low-income user's: a common perception that nothing changed among them - The interpretation of that similarity: the naturalization of impacts by the low-income users, who, with or without rationing, keeps his water-saving routines (a water-underconsumption style).

Household income	Water storage capacity ¹ (liters/household)		Number of people in the household		Water consumption per capita (m3/month) ²
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- (1) mean value for Oct 2014-Jun2016 period per household
- (2) The daily water volume to meet the basic needs of a person, according to the UN, is 110 liters (equivalent to approximately 3.3m³/month)

Conclusions

- Historical water scarcity has shaped cultural aspects related to the Brazilian semi-arid population: water saving and water storing, and associated with a water-underconsumption style by the lowincome strata
- > Although user's narratives are similar, practices and perceptions differ according to income strata
- > The field research suggests that the permanent exposure of low-income users to restrictive water access may influence on the naturalization of unequal water access and acceptance and resignation about structural water scarcity observed among them.