

# Impacts of the 2016 Rio Olympics: Mapping a Future of Community Enrichment through Sustainability

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## Introduction

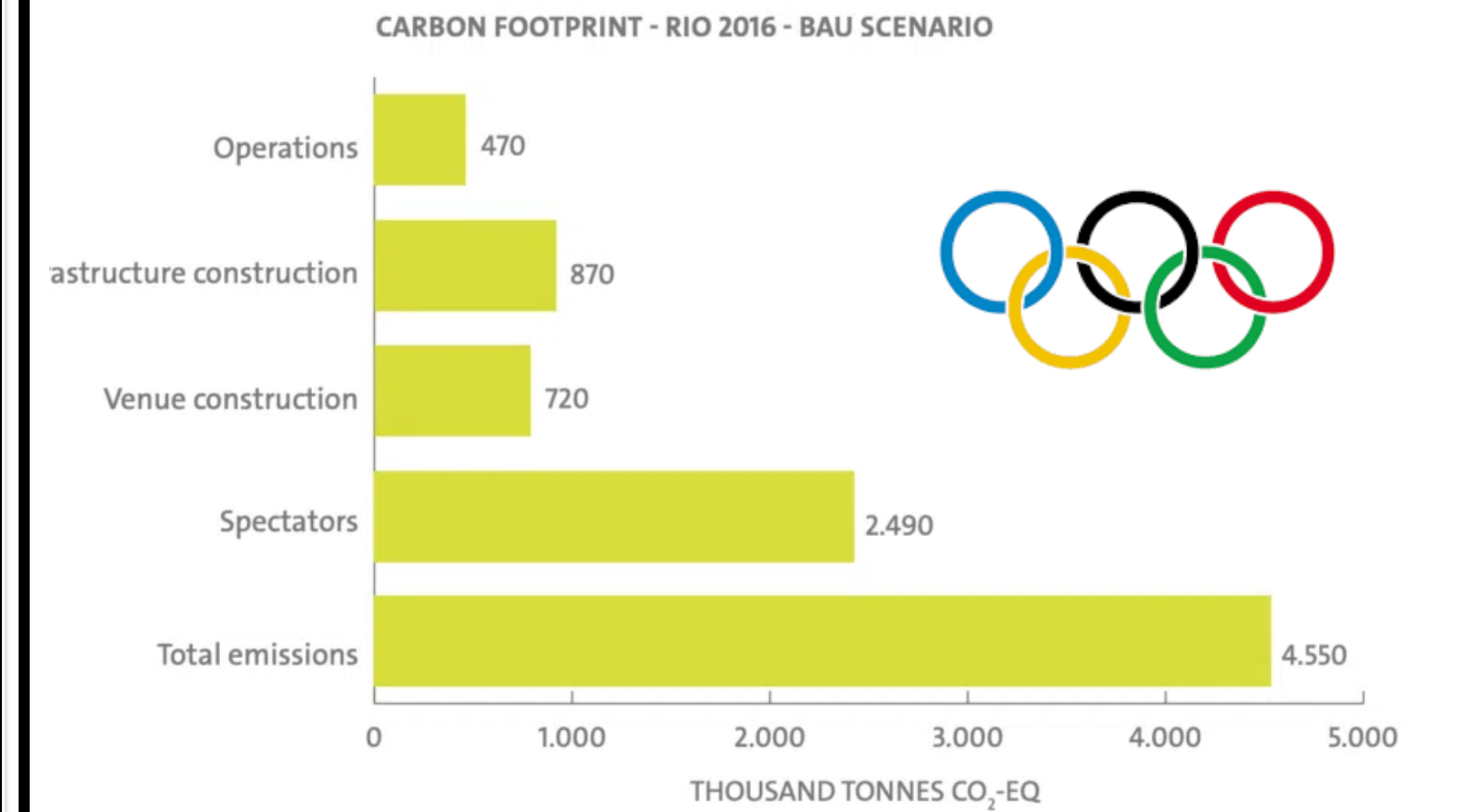
This research explores how Brazil can leverage the infrastructure from the 2016 Summer Olympics in Rio de Janeiro and the potential impacts this could have on tourism, environmental sustainability, and the political landscape.

## Context

Several Olympic venues have been repurposed to benefit the community. Carioca Arena 3, for example, has been transformed into the largest school in Rio's municipal education network, accommodating 900 students with enhanced sports facilities ("Rio 2016 arenas"). Carioca Arena 2 is set to become a branch of the Federal Institute of Technical Education, serving 1,400 young people ("Rio 2016 arenas"). The Arena of the Future was designed as nomadic infrastructure and has been converted into four STEAM (Science, Technology, Engineering, the Arts and Mathematics) education schools for almost 2,000 students ("Rio 2016 arenas," "Rio 2016: A catalyst").

Beyond education, the Rio Olympic Park is undergoing a transformation into a wide-ranging entertainment complex, "Projeto Imagine," which will feature an amusement park, gastronomic center, museum, and ice-skating rink (Rial, "Rio Olympic Park"). The Olympic Aquatics Stadium was dismantled, and one of its swimming pools will be part of a new public park in the West zone ("Rio 2016 arenas"). The Rio Olympic Velodrome is being prepared to house the Rio Olympic Museum, which will showcase the 2016 Games through technology and interactive displays ("Rio 2016 arenas"). Additionally, the Olympic Way has been opened to the public and is being converted into a public park with various recreational facilities ("Rio 2016 arenas").

## Examples



## Research Question

How can Brazil make use of the infrastructure from the 2016 Summer Olympics in Rio de Janeiro, and what potential effects could this have on tourism, environmental sustainability, and the political landscape?



## Effects & Actions

### Go Green

Prioritize eco-friendly design and upkeep can have a positive impact on the environment while also promoting sustainable urban environments.

### Private Finance Initiative

Reduce the state's financial load while also accelerating the renovation of disused venues by bringing in private investors

### Tourism Initiatives

Events, exhibitions, and tournaments, can help maintain facilities active, attract people, and produce cash

### Community Development

Integrating local communities in decision-making guarantees that repurposed spaces fit actual social demands and fosters a sense of ownership

### Educational Initiatives

STEAM-focused research institutes, training facilities, and start-up incubators, can help to enhance local innovation and employment.

## Background

Brazil faces key barriers in repurposing Olympic venues, including:

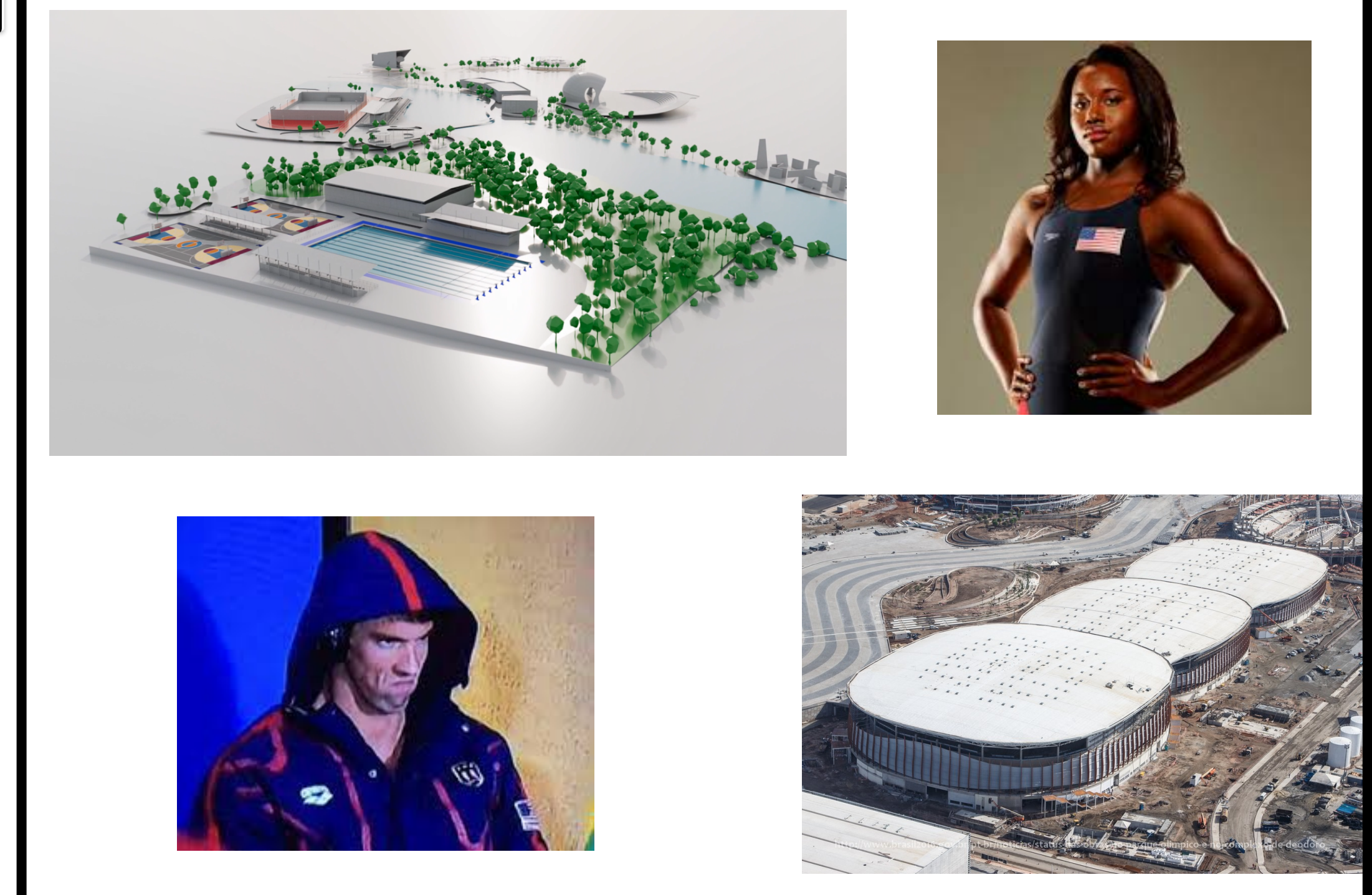
- Political instability
- Financial constraints

Strategies from other countries were studied to understand effective venue repurposing. As of 2024, Brazil is making efforts to repurpose some Olympic facilities for:

- Schools
- Event venues

These repurposing efforts offer significant benefits to the city. Despite progress, there is still much to be done to:

- Fully capitalize on long-term economic opportunities
- Enhance social development



## Issues



## Acknowledgments

Lundquist College of Business  
Professor Matthias Vogel