Participatory Map of Rio de Janeiro

Marco Medeiros
GIS Manager
Pereira Passos Institute - City of Rio de Janeiro
About us

- Pereira Passos Institute (IPP) is Rio de Janeiro municipal department responsible for data and knowledge management of the city, being the manager of its corporate GIS.

- IPP performs the production, analysis and dissemination of geographical information, into tables, maps, studies and WebGIS application, being considered a department of excellence and national reference in this field.

- One of its missions is to promote integration of information from several sources using geotechnologies, cooperating with other municipal departments, aiming the production of knowledge for more efficient planning, implementing and monitoring of public policies.
Timeline

RIOPLAN

IPLANRIO

INSTITUTO PEREIRA PASSOS

KNOWLEDGE MANAGEMENT

1981
Informatics and planning

1998
Urban projects, cartography and statistics

2009
Development

2010
Economic

2012
Social

2014
Sustainable

1993

1994

2007

2009

UPF Social

Sustainable Development
Solutions Network
A Global Initiative for the United Nations
A city in evolution ...

Downtown renovation
A city in evolution ...

Light rail under construction
A city in evolution ...

Preparing for Rio 2016 Olympics
A city in evolution ...

Bus Rapid Transit (BRT)
Smart City

Connectivity
- Broadband
- Public/free wi-fi

Big Data

Statistics

Information

Geoprocessing

Participatory platforms
- NGOs
- Municipal experts

Collective intelligence
- University
- Research institutions
- Social networks
Knowledge management

Data and information management

- Primary data
- Published data
- Administrative records
- Cartographic database
- Collaboration
- Social networks

Statistics
Geoprocessing

Qualitative and Quantitative analysis

- Diagnostics
- Monitoring
- Impact assessments
- Projections and scenarios

“Smart / Sustainable / Resilient City”
Aiming to receive the contribution and provide a diagnosis of the city by the citizens themselves, IPP developed the **Participatory Map of the City of Rio de Janeiro**.

The work was initiated in poor communities, with the provision of cartographic databases of the city on an [ArcGIS Online](https://www.arcgis.com) platform, on which the citizens include information of interest collected on mobile or desktop.
Participatory map
Desktop and mobile interface
Some numbers ...

- 1,815 published contents in “Armazém de Dados” – 1,000+ tables, 346 studies and technical notes
- 5,000+ accesses/month
- Participatory Map: 5,000+ views so far
- Approximately 300 Gb of geographical data and tables
- Approximately 130 map services and geoprocesses published
- About 30 Digital Maps published
- New cartographic restitution - 1:2000 scale - 822 sq.km
- Population benefited: 6,453,682 people
Conclusions

The map facilitate access to information and allow citizens to identify and map information from where they live, integrating it into the city.

It is an interface for transparency, accountability and democratization of the information produced by the municipality.

Access to information is an important instrument of empowerment and social inclusion, enabling a more qualified participation and greater engagement of citizens in the discussions on public policies and in city planning.

All this contributes to successful policies aiming sustainable and integrated development of Rio de Janeiro.
Thank You

Marco Medeiros