

Bogotá Smart Territory Plan 2020-2024

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SUMMARY DOCUMENT



ALTA CONSEJERÍA
DISTRITAL DE TIC



There are several concepts worldwide regarding the scope and characteristics of smart cities. In the case of Bogotá, when considering the different conceptual frameworks and trends, we have understood that **a smart territory is one in which all the inhabitants develop skills, access opportunities, empower themselves and constantly improve their quality of life** thanks to the access, use and exploitation of technology, data and innovation.



Foto: bogota.gov.co

This definition implies taking several considerations into account:

The axis of a smart territory are the people and not technology. This statement, that seems obvious, is essential when designing and implementing any digital transformation initiative in the territory. None of the actions led by the district administration in this matter shall be focused on implementing or enabling technologies as an end. Technology, innovation and data must always serve the citizens and must be developed in the terms determined by them, to generate public value and improve the quality of life of Bogotá's citizens.

Any person living in the territory, regardless of his/her socio-economic conditions, gender, locality or neighborhood in which s/he lives, must be able to develop skills, access opportunities, empower themselves and improve their quality of life conditions based on the benefits of a smart territory. Likewise, the smart territory must acknowledge the differences to offer the best way to develop these attributes and close social gaps.





A smart territory goes beyond a smart city. It seeks to emphasize a technology, data and innovation-based approach not only in the urban areas of Bogotá, but in the territory and the city-region. The smart territory must be developed within each locality in a differentiated way. It must acknowledge the dynamics of rurality and must accompany the various regional integration initiatives.

“Smart territories must be developed within each community”

Based on the above, Bogotá Smart Territory, through four strategic, five enabling and one sustainability initiatives, seeks to create the conditions deemed necessary to consolidate Bogotá as a territory that takes strategic advantage of technology, data and innovation to improve its habitability, viability and sustainability, following the words of the Smart Cities Council (2013).

Transforming people’s lives Bogotá Smart Territory

Bogotá’s Smart Territory plan seeks to have a direct **impact on the lives of all the people that live in the City-Region regardless of where they live or their sociodemographic features**. The smart territory takes advantage of technology, data and innovation to generate: capacities and talent, opportunities, empowerment and quality of life for men and women of Bogotá This will be achieved with four initiatives: Education for the 4RI, Economy 4.0, Bogotá Open Government and the Digital Transformation Agendas.

Education for 4IR

Transforming people's lives
Bogotá Smart Territory
Let us imagine Amelia a citizen from Bogotá who we want to impact with our plan. She has access to the city's educational system and in this educational environment and taking strategic advantage of Technology, data and Innovation she develops additional and added value capacities that will allow her to take advantage of all the dynamics associated to the Fourth Industrial Revolution. Capacities she will continue to develop throughout her life. This initiative makes it possible to develop the talent the city requires so to accelerate its technological development processes.



Economy 4.0

Once Amelia has developed the capacities required for the 21st century, the smart territory with the use of technology, data and innovation must generate employment, entrepreneurship and economic well-being opportunities. As a result of the revitalization of the city's entrepreneurial and productive innovation ecosystem, as the result of the digital transformation of companies and businesses (especially MSMEs); as well as the promotion of employability, and taking advantage of technology and data analytics that allows greater knowledge of the market needs, the strengthening of supply chains and, enabling the digital transformation of the touristic ecosystem of the city.



Open Government of Bogotá

The smart territory has already allowed Amelia to develop new capacities and take advantage of various opportunities for her economic well-being, the next thing that it should allow her is to empower herself to be a social control agent in the territory, and to become co-responsible and co-creator of policies, projects and solutions that address the problems of the City-Region. Technology, data and innovation become drivers of transparency, participation and collaboration.



Digital Transformation Agendas

Amelia with new capabilities, enjoying opportunities and empowered, now expects that the smart territory improves her quality of life on a daily basis thanks to the strategic use of technology. As she benefits from policies and data based projects, and as she access better digital services that simplify the way she relates with government entities, as she is served by an increasingly efficient administration, and because she lives in a sustainable territory all derived from the use of new technologies. The 9 digital transformation agendas contain 100 digital transformation initiatives that will be conducted by different district institutions.



Enabling environmental conditions of public administration systems that accelerate a smart territory



A second goal of Bogotá Smart Territory plan is to achieve the required environmental and administrative conditions so to accelerate the initiatives that have a positive impact on the lives of citizens. These enablers are grouped into two axes. The first one seeks to close the existing digital gap in the city and the second one seeks to generate new transformative capacities in government institutions.

Follows, the five prioritized initiatives in this two axes plan:



Digital appropriation

To close the digital gap in Bogotá; it is essential that all citizens know how to use technology. Basic digital skills must be developed for everyone from the territory whilst considering differential approaches for priority population groups such as women from low-income households, young people, the elderly, people with disabilities and rural population.

Infrastructure and telecommunications services

The second key element to close the digital gap in Bogotá is internet access for the inhabitants of the city-region. For this purpose, three aspects will be covered. Firstly, is to **dynamize the deployment of the infrastructure in an organized manner that improves the coverage and quality of the service** in the whole city. Second, it is necessary to ensure connectivity in rural areas, ensuring internet access in accordance with the characteristics of the territory. Finally, it is essential to have more public connectivity in all localities to facilitate Internet access for citizens and companies.



Data Analytics Agency

It is essential to develop transformative capacities in government institutions, that accelerate different smart territory initiatives. The Bogotá Data Analytics Agency shall develop the institutional and technical capacities required to manage and take advantage of structured and unstructured data in the different sectors in the District Always under the highest security and privacy standards.



iBO – Public Innovation Laboratory in Bogotá

The capacity for innovation in public affairs, not only in the district administration institutions but in the ecosystem as a whole, is essential in order to consolidate Bogotá as a smart territory. iBO, is expected to coordinate all the public innovation matters of the different institutions in Bogotá to ensure an exponential increase in their impact. iBO will boost the innovation culture in Bogotá.

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Digital trust



In a smart territory it is essential that citizens feel trust towards the digital environment where their data is being used, that they feel that their information is being protected and that they have the highest data security privacy and information standards. Thus, the district organizations must consolidate information management capacities and implement good practices and information security and privacy that, following the existing guidelines, allow them to identify, prevent and mitigate risks and generate trust in their users. This will allow them move from a reactive approach towards a more proactive, prevention, and incident management approach associated with security and privacy.



Mid-term sustainability and revitalization of Bogotá as a smart territory

The initiatives that have been described in the previous sections, compile the main approaches of the district administration for the 2020–2024 period. However, it is essential to collectively build the city's ecosystem; a joint vision to energize the initiatives that consolidate Bogotá as a smart territory in the medium-long term. For this purpose, a 2030 Bogotá Smart Territory public policy shall be developed, depicting the institutional arrangements, incentives and commitments that the ecosystem must have for said purpose. It shall be drafted in a participatory manner with a territorial, population centered, differentiated and prospective approach.

