

Systemic Transformation: addressing
decarbonization and social justice.
Case Barrio 20, City of Buenos Aires

2021 - 2022 International Mayors Forum

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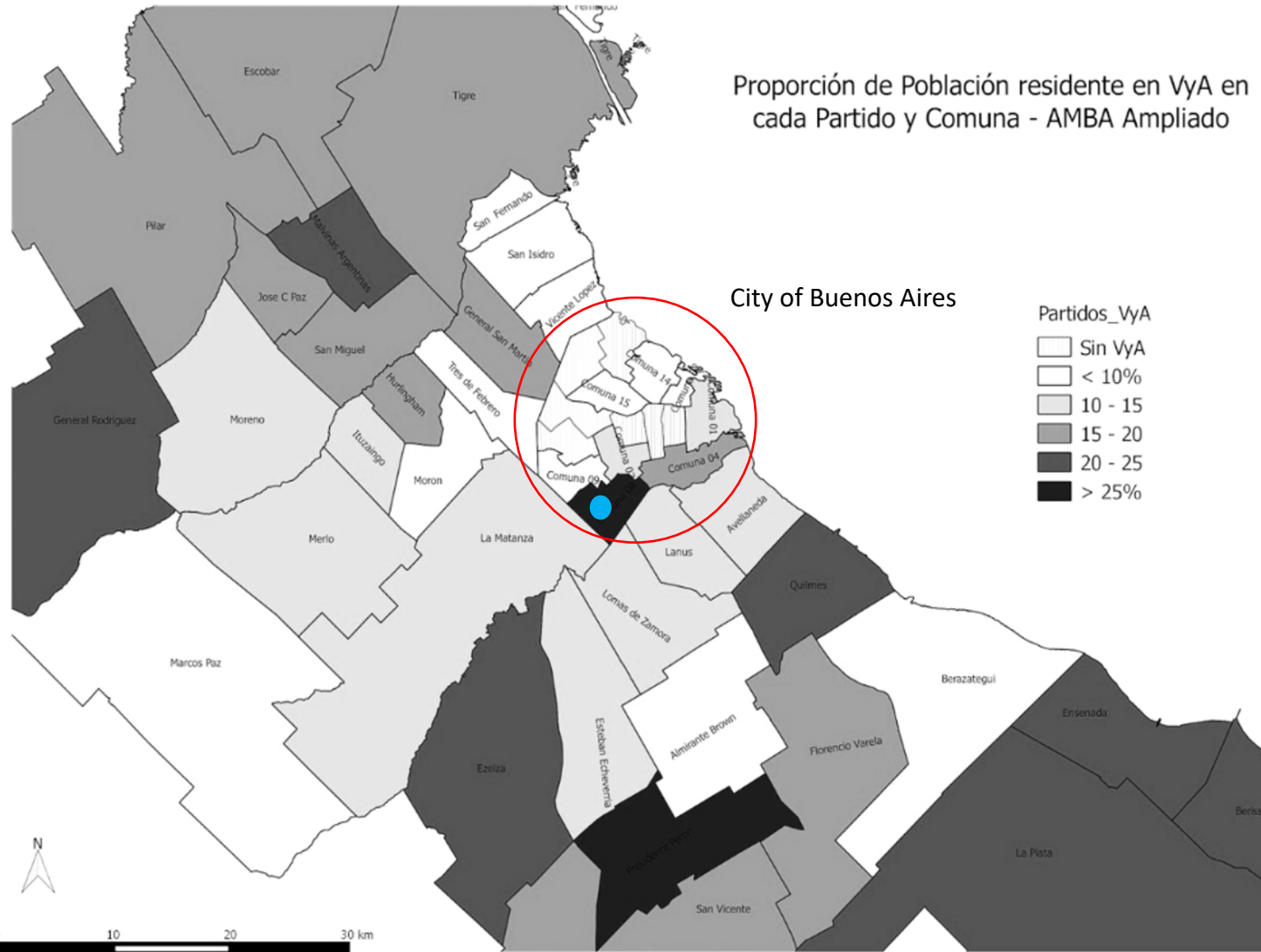
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Metropolitan Buenos Aires



Barrio 20. City of Buenos Aires



Population: 30.000
Families: 9.200
Housing: 4.500




75%
In poverty

76%/24 %
Owners/Tenants

Historic process
+
Organized local actors
+
An active / engaged
community

Re – Urbanization process in Barrio 20.

Participatory devices

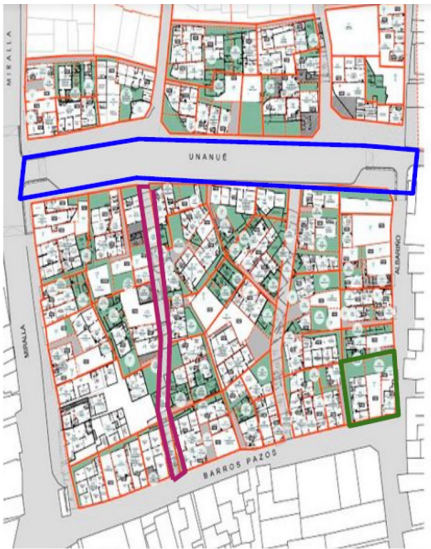
Neighbourhood / Community		MGP (Participatory Management Table)	Census	Participatory Devices: ■ Consensus building/ agreements ■ Survey and diagnosis ■ Allocation of benefits ■ Specific		
		MTGP (Technical Participatory Management Table)	Commercial Survey	Environ. workshops	Consult. Spaces	Health / Covid 19 Table
Sector / Block		Workshops to define PIRU	Archive	Public spaces workshop	Naming streets	Ombuds man
			Workshop to present agreements	Consortia workshop	Pre-consortia workshops	Community org.
Families / individuals		Agreements with families	Meetings with affected families	Meetings w/ families that receive credit lines	Meeting w/ families that move to new housing	Meeting w/ families that exchange houses

A strong participatory process cross – cuts and structures all decisions and interventions of the Integral upgrading process

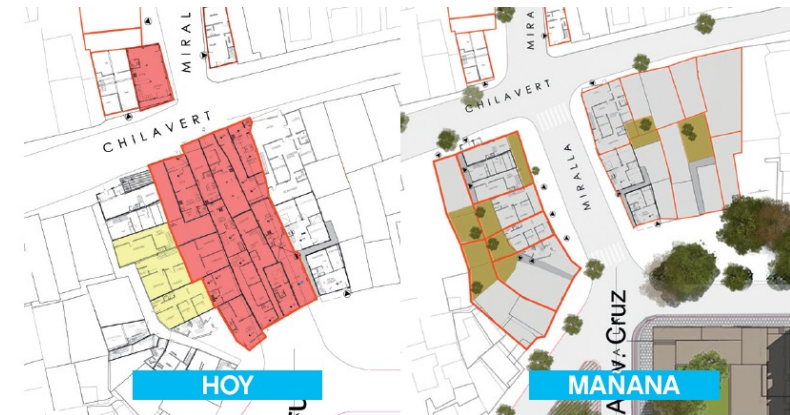
Opportunity to switch to a more sustainable development pathway and contribute to systemic urban change.



Re – Urbanization process in Barrio 20.



Opening of streets and
alleys/passages



Re – Urbanization process in Barrio 20.

Opening individual and
communal ‘patios’



Re – Urbanization process in Barrio 20.

Relocations / new housing / infrastructure and services /legal tenure





PIRU 2016 / 2019

TRANSFORMATIVE URBAN COALITIONS

Project: Transformative Urban coalitions: catalysing urban partnerships to drive systemic transformation towards sustainability

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Consortium & countries



Consortium



Local partners



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TUC project rationale

Project rationale: The TUC project seeks to **shift the sustainability trajectory** of cities towards zero carbon emissions by 2050 by altering the deeper social, technological, and political structures and systems that are currently reinforcing high-carbon, resource-intensive urbanization.

To be sustainable decarbonization has to be **socially just**, must be **inclusive and driven by the needs and views of diverse groups of stakeholders**.

TRANSFORMATIVE URBAN COALITIONS

TUC project approach

The CoT will **facilitate and incentivize learning and exchange among pilot cities** that promotes sustainable urban transformations within the pilot cities and across the region

Transformative research will actively **advance the transformation towards sustainability** and provide practical support for processes in the urban labs



Capacity sharing/development will generate an **understanding of different options for action** and solution approaches.

Art & film to reach different and broader audiences. Among others, **overall 30 short films** be produced and screened.

Communication will support **triggering mind shifts and changing processes** locally and globally.

Barrio 20. Potential areas of intervention with TUC



RED DE PASAJES VERDES



ASLACIÓN TÉRMICA EN ENVOLVENTE



INTERVENCIONES EN PATIOS COLECTIVOS



RECOVA



INTERSTICIOS QUE PODRÍAN CONVERTIRSE EN ESPACIO PÚBLICO








ESPACIO CONTIGUO A LAS CANCHAS DE CHILAVERT



ESPACIOS VERDES DE CELEDONIO ESCALADA



Implementation options in Barrio 20/ indicators for selection

		Possible projects						
		P1	P2	P3	P4	P5	P6	P7
		Network of green corridors / alleys	Thermal insulation n envolvente (reconstruction of facades/roofs)	Communal patios	Recova	Open spaces that could be reconverted into public spaces	Spaces adjacent to soccer fields	Green areas adjacent to Celedonio Escalada
I.1	Reduction of CO2 emissions							
I.2	Capture of CO2 emissions							
I.3	Improvement in air quality							
I.4	Mitigation of water risks							
I.5	Improvement of the water quality reaching drainage network							
I.6	Mitigation of heat island effect							
I.7	Improvement in energy efficiency of houses							
I.8	Improvement in bioclimatic confort in housing							
I.9	Reduction of energy use in housing							
I.10	Improvements in public spaces							
I.11	Number of beneficiaries							
I.12	Integration to sustainable mobility network							
I.13	Increase in biodiversity							
I.14	Complements PIRU							
I.15	Network strengthening							
I.16	Capacity to trigger other initiatives							
I.17	Reduction of public expenditure							
I.18	Integration /complementarity with the work of other government agencies							
I.19	Employment generation							
I.20	Impact on te real economy of the community							
I.21	Reduction of respiratory diseases							
I.22	Impacts in health by reducing heat island effect							

Next steps

With the TUC project in Barrio 20 we aim to:

- ✓ Showcase the use of NbS and green infrastructure not as an addition/complement but as a vehicle to achieve multiple socioeconomic and socio environmental benefits.
- ✓ Catalyze deeper transformations and scale out, influencing other informal settlement upgrading processes and policies in the region.

During 2022:

- ✓ Systematize base line, understand local actor mind sets
- ✓ Plan a NbS/ green infrastructure road map for Barrio 20
- ✓ Select and design particular interventions aligning them to the overall urban upgrading process in Barrio 20 and start implementation
- ✓ Launch Urban Lab to contribute and support innovation, mind set changes, and the worki of new actor coalitions

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