Systemic Transformation: addressing decarbonization and social justice. Case Barrio 20, City of Buenos Aires
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.
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
Project: Transformative Urban coalitions: catalysing urban partnerships to drive systemic transformation towards sustainability
Consortium & countries

Consortium

Local partners

Donor
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.
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.

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

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.
Barrio 20. Potential areas of intervention with TUC
## Implementation options in Barrio 20/indicators for selection

<table>
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<tr>
<th>Possible projects</th>
<th>P1</th>
<th>P2</th>
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<tbody>
<tr>
<td>Network of green corridors / alleys</td>
<td>Thermal Insulation n envolvente (reconstruction of facades/roofs)</td>
<td>Communal patios</td>
<td>Recova</td>
<td>Open spaces that could be reconverted into public spaces</td>
<td>Spaces adjacent to soccer fields</td>
<td>Green areas adjacent to Celedonio Escalada</td>
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### 1.1 Reduction of CO2 emissions

### 1.2 Capture of CO2 emissions

### 1.3 Improvement in air quality

### 1.4 Mitigation of water risks

### 1.5 Improvement of the water quality reaching drainage network

### 1.6 Mitigation of heat island effect

### 1.7 Improvement in energy efficiency of houses

### 1.8 Improvement in bioclimatic comfort in housing

### 1.9 Reduction of energy use in housing

### 1.10 Improvements in public spaces

### 1.11 Number of beneficiaries

### 1.12 Integration to sustainable mobility network

### 1.13 Increase in biodiversity

### 1.14 Complements PIRU

### 1.15 Network strengthening

### 1.16 Capacity to trigger other initiatives

### 1.17 Reduction of public expenditure

### 1.18 Integration/complementarity with the work of other government agencies

### 1.19 Employment generation

### 1.20 Impact on the real economy of the community

### 1.21 Reduction of respiratory diseases

### 1.22 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 work of new actor coalitions