

#### <sup>2018</sup> Post-industrial areas on the lens of systemic design towards flourishing urban resilience

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Suggested citation:

Giraldo Nohra, Carolina and Barbero, Silvia (2018) Post-industrial areas on the lens of systemic design towards flourishing urban resilience. In: Proceedings of RSD7, Relating Systems Thinking and Design 7, 23-26 Oct 2018, Turin, Italy. Available at http://openresearch.ocadu.ca/id/eprint/2715/

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# POST-INDUSTRIAL AREAS ON THE LENS OF SYSTEMIC DESIGN TOWARDS FLOURISHING URBAN RESILIENCE

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POLITECNICO DI TORINO Dipartimento di Architettura e Design

Topic 4 - Territorial metabolism and flourishing economies RSD7/ Relating Systems Thinking And Design 7 Symposium Politecnico di Torino, Lingotto Campus Turin, 26th October 2018

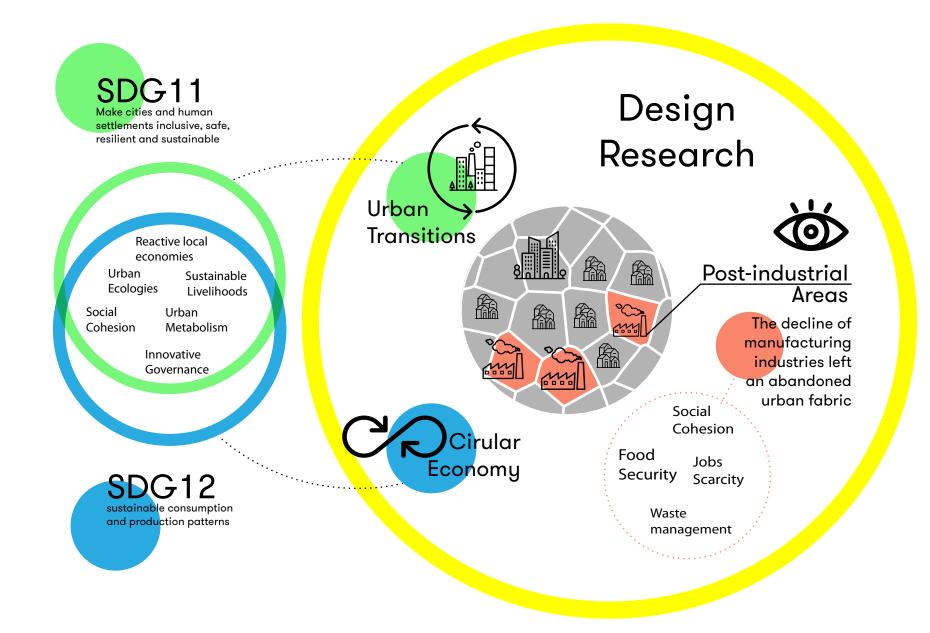
# How can we make resilient cities work?

#### In the present and the future.

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How will we envision these urban systems to ensure enough water, food security for all, create quality jobs and income opportunities for millions of people in a more humane, sustainable and efficient manner?

#### + Resilience in Post-industrial areas. What way to go?



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on that complex scenario...

How to achieve an overall sustainable and cohesive urban transitions, that can reduce future economic, environmental and social costs, but at the same time strengthening economic competitiveness? + Conceptual framework of a circular city

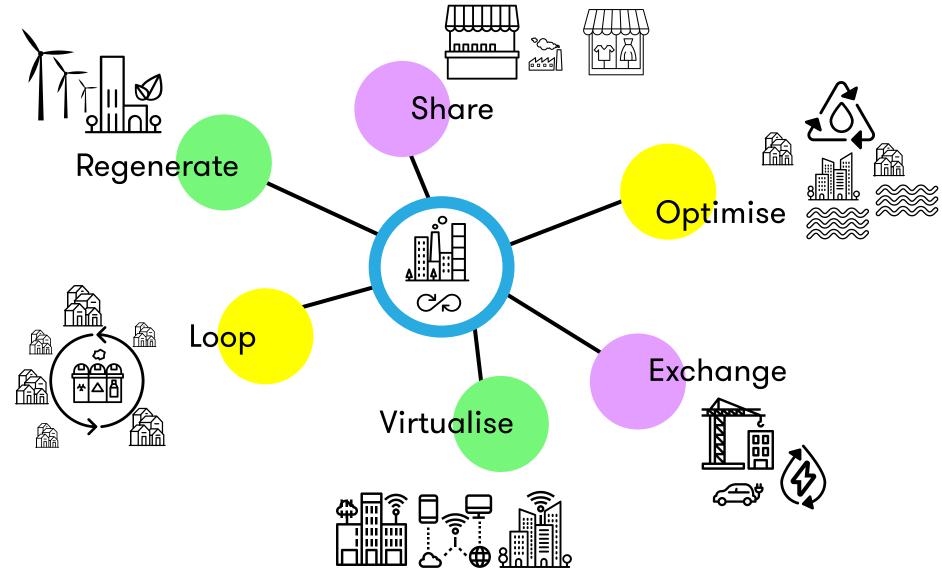
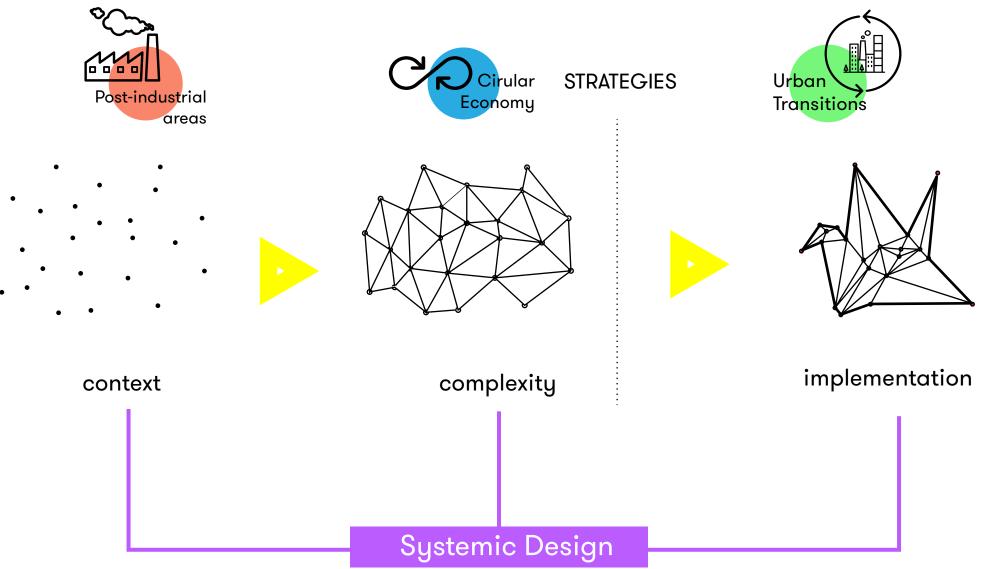


Fig. 1. The circular city framework, adapted from the ReSOLVE framework (EMF, 2015).

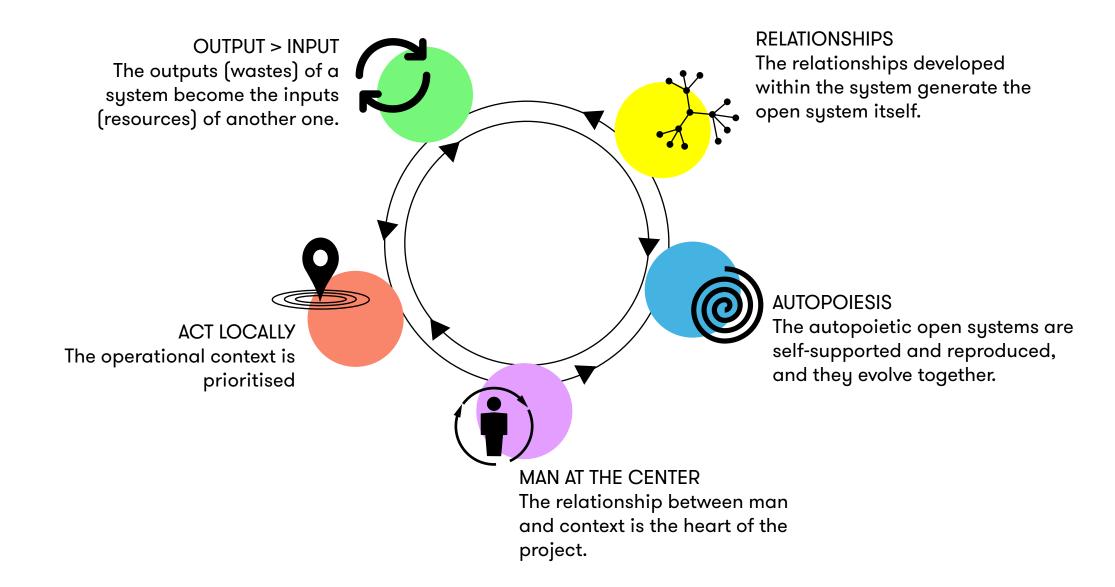
# how can a territorial thinking in post-industrial areas foster frameworks to address the current environmental and economic challenges of society?

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#### + Systemic Design for Territorial Thinking



#### + Through which principiles? Systemic Design

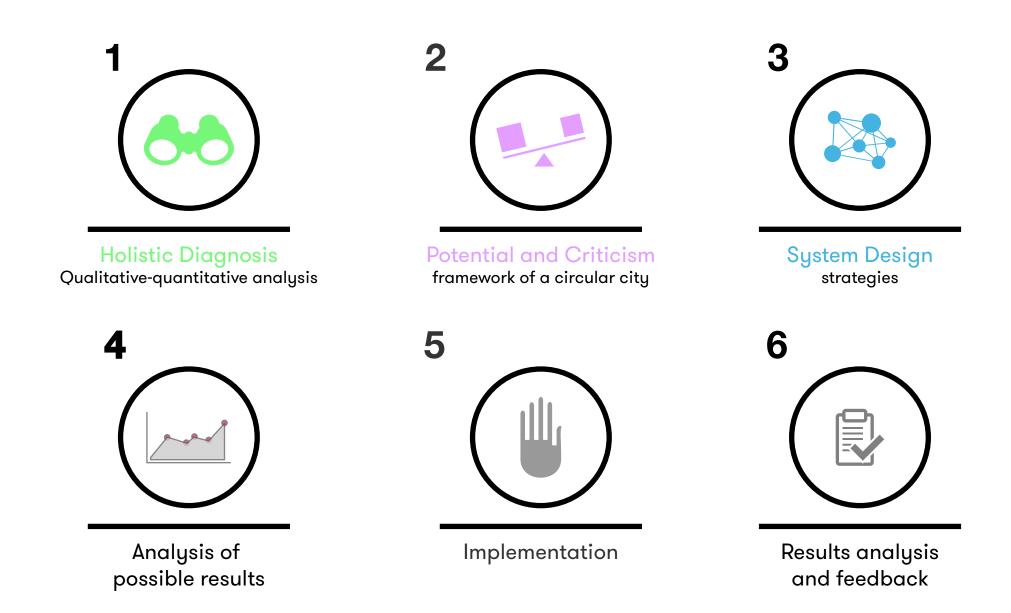


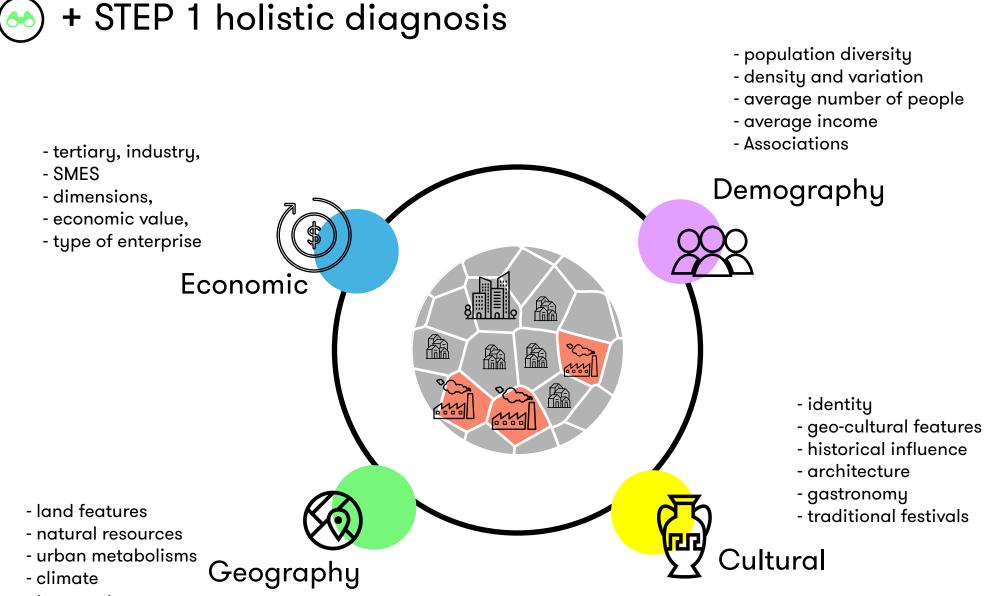
# How Systemic Design can enable the design Circular Economy strategies to promote sustainable urban transitions in post-industrial areas?

.... which are economically self-sustaining providing multiple benefits for the economic, ecological and social regeneration of deprived urban areas suffering from the consequences of deindustrialization.

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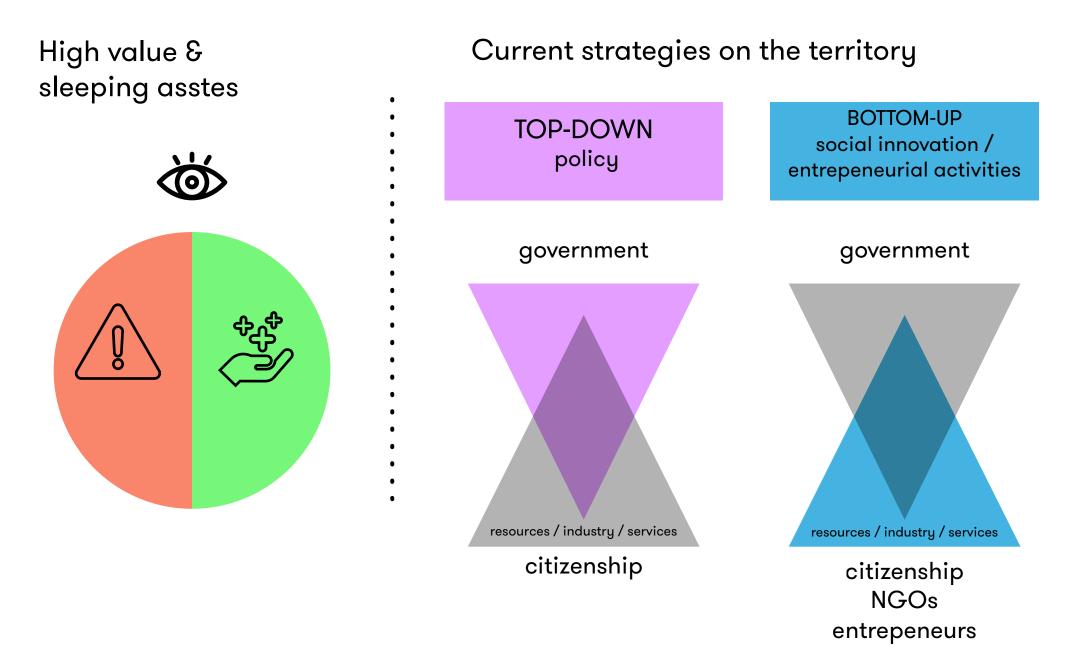
#### + Systemic Design research Method





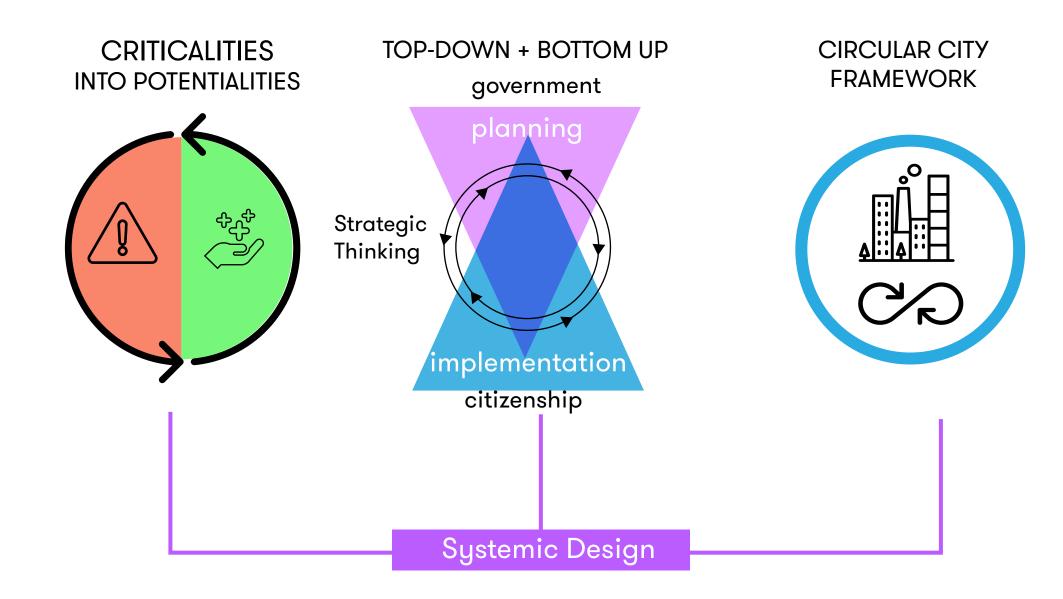
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# + STEP 2 Assesment potentialities & criticalities



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## + Systemic Design exploration

+ RSD7 - Territorial metabolism and flourishing economies

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# Turin, Mirafiori Sud Districit

- 400000 inhabitants on 12km2
- located on a periurban area along the river Sangone
- 1940 FIAT Industrial district
- 1960 working class district
- 2003 FIAT economic crisis

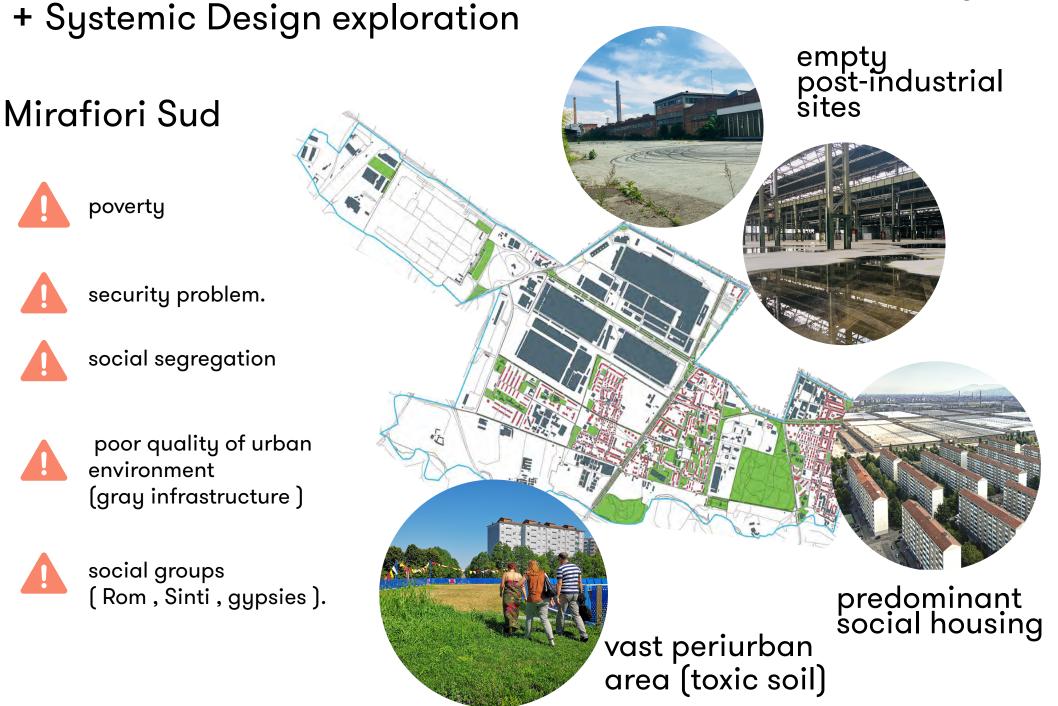
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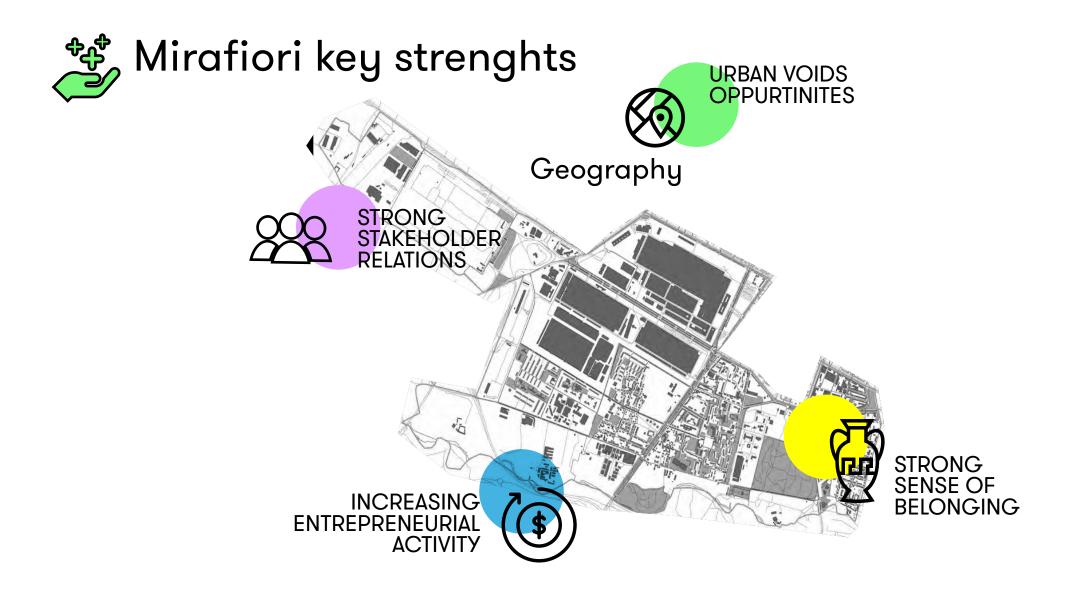
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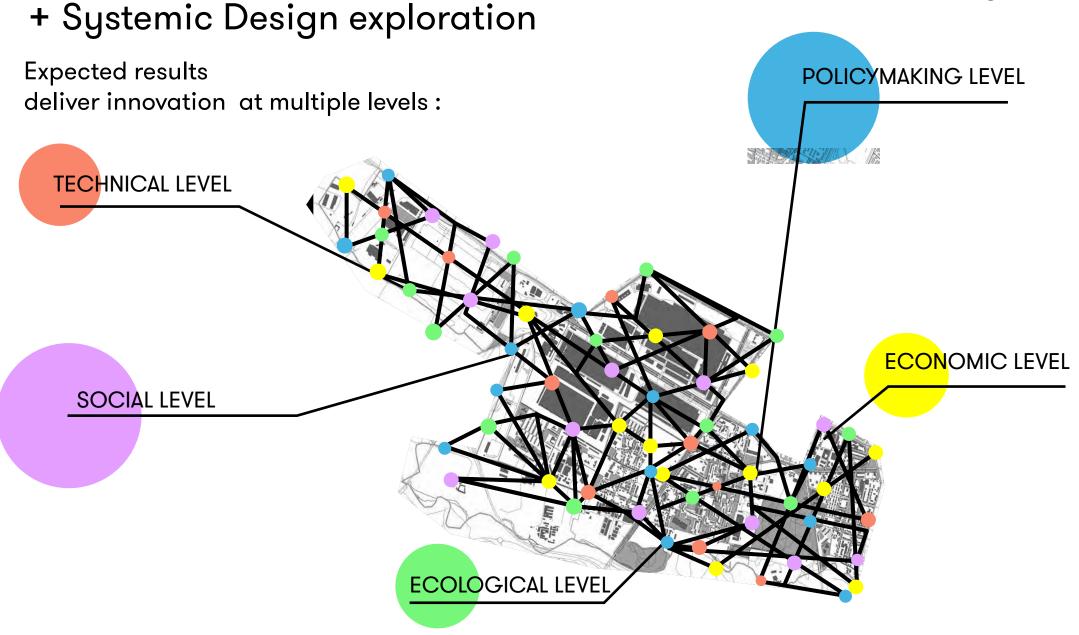
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### + Systemic Design exploration





# Thank You!

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CONTRACTOR OFFICE AND DESCRIPTION