

Research Seminar

Date: Wednesday, May 31th (14h to 18h).

Place: LOCI Bruxelles, Rue Henri Wafelaerts 47/51, 1060 Saint-Gilles

Online via Teams and on-site participation Room AV- 02.

. First part: Keynote presentation by Owusu Amponsah: Informality and sustainable city development nexus, *Kwame Nkrumah University of Science and Technology*, Ghana (KNUST).

. Second part: Ongoing research (*UCLouvain, ULima Peru, PUCP Peru, KNUST Ghana and Technische Universität München*).

Organizing comitte Urban Metabolism Lab: Alejandra Acevedo, Dorothy Nalumu, Daniel Otero Peña, and Elisabetta Rosa. Chair: Daniela Perrotti.

* Photo: "Atrapanieblas" (fog harvesting). Pamplona Alta, Lima, Movimiento Peruanos Sin Agua, 2021





Research Seminar

Urban-Metabolism-In-Formality

WEDNESDAY, MAY 31, 2023		
14h00-14h10	Opening words Daniela Perrotti	

CONFERENCE		
14h10-15h00	Keynote speaker	
	Owusu Amponsah	
	Theme: Informality and sustainable city development nexus.	

	RESEARCH UM LAB + OTHER LABS		
	Module 1: Ongoing research Lima		
15h00-15h40	 Ramzy Kahhat: Linking the informal sector with research on Industrial Ecology: Experiences from Peru and Mexico. Jaime Sarmiento and Andrés Lira: Circular Economy and Life Cycle Analysis of Housing in Informal Settlements in Lima. Favio Chumpitaz: Urban metabolism analysis in an informal settlement with the MUSIASEM method in Lima. Alejandra Acevedo: Mitigating food dependency of informal settlements in South America: neighborhood-level metabolic model and detection of spaces of opportunities. 		
15h40 – 16h00	Comments and discussion		
16h00-16h40	 Module 2: Ongoing research Ghana and Cameroon Jean Philippe De Visscher: ELOBI - Waste and water management in the informal settlements of Yaoundé, outcomes from three design workshops. Dorothy Nalumu: Building data capacity for assessing the contribution of Nature-based solutions to the urban metabolism: data framework and policy support for informal settlements in fast-growing West-African cities. Bright Kirk Enu: Citizens' acceptability and preferred nature-based solutions for mitigating hydro-meteorological risks in Ghana. Stephen Appiah Takyi: Nature-based solutions as a tool for sustainable city development: An assessment of the prospects and challenges in rapidly urbanizing Ghanian city. 		
16h40 – 17h10	Comments and discussion Coffee break		
17h10 – 17h30	Module 3: Ongoing research Brussels		
	 Daniel Otero: The Spatial Dimension of Urban Metabolism a Design Atlas of Resource-Sensitive Urban Archetypes. Elisabetta Rosa: Exploring the nexus between formality and informality through object biography. Metabolic perspectives and hypothesis for future research. 		
17h30-17h50	Comments and discussion		

CLOSING		
17h50-18h00	Closing remarks of the Seminar	
	Daniela Perrotti	



