

Fostering Inclusive Agentive AI for Cities

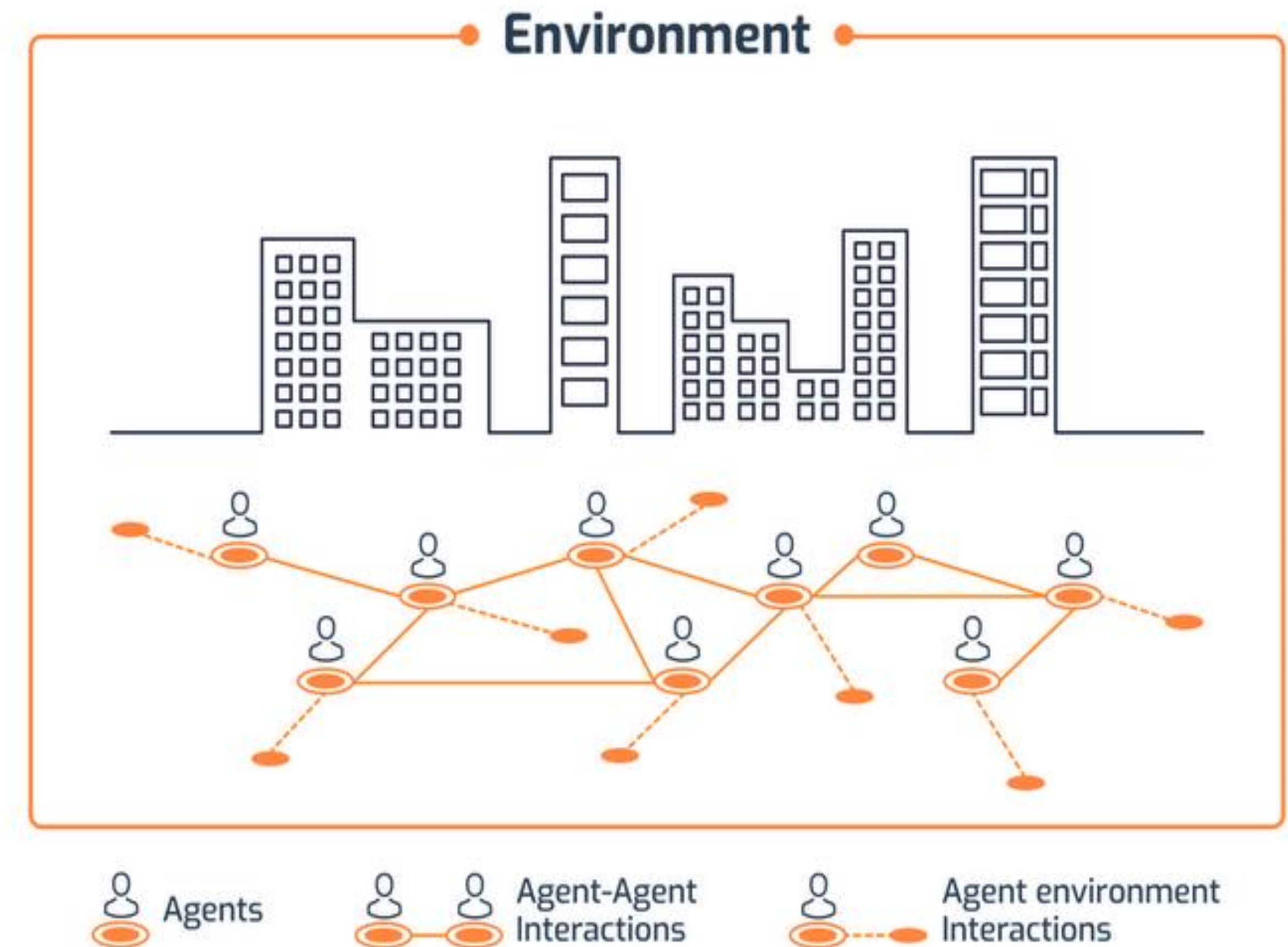
Foresight for FAIR cities - Exploring AI Risks and Mitigation Strategies

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Complex Systems Modelling and AI to Leave No One Behind | Responsible Computer Scientist

Simulating human behaviour with AI Agents for policymaking

- Possible to build simulation far more complex than traditional approaches.
- Agents are individuals, organisations or group of people, with specific characteristics and trying to mimic human behaviors.
- These social simulations aim to be useful to **explore foresight scenarios (“what-if questions”)**.
- Enable researchers and policymakers to test interventions and theories.
- **Examples developed at UNU: Next pandemic preparedness in local communities** (Kenya, Vietnam and Brazil) and **well being in cities** (15 minutes framework) (Hong Kong/Macau).

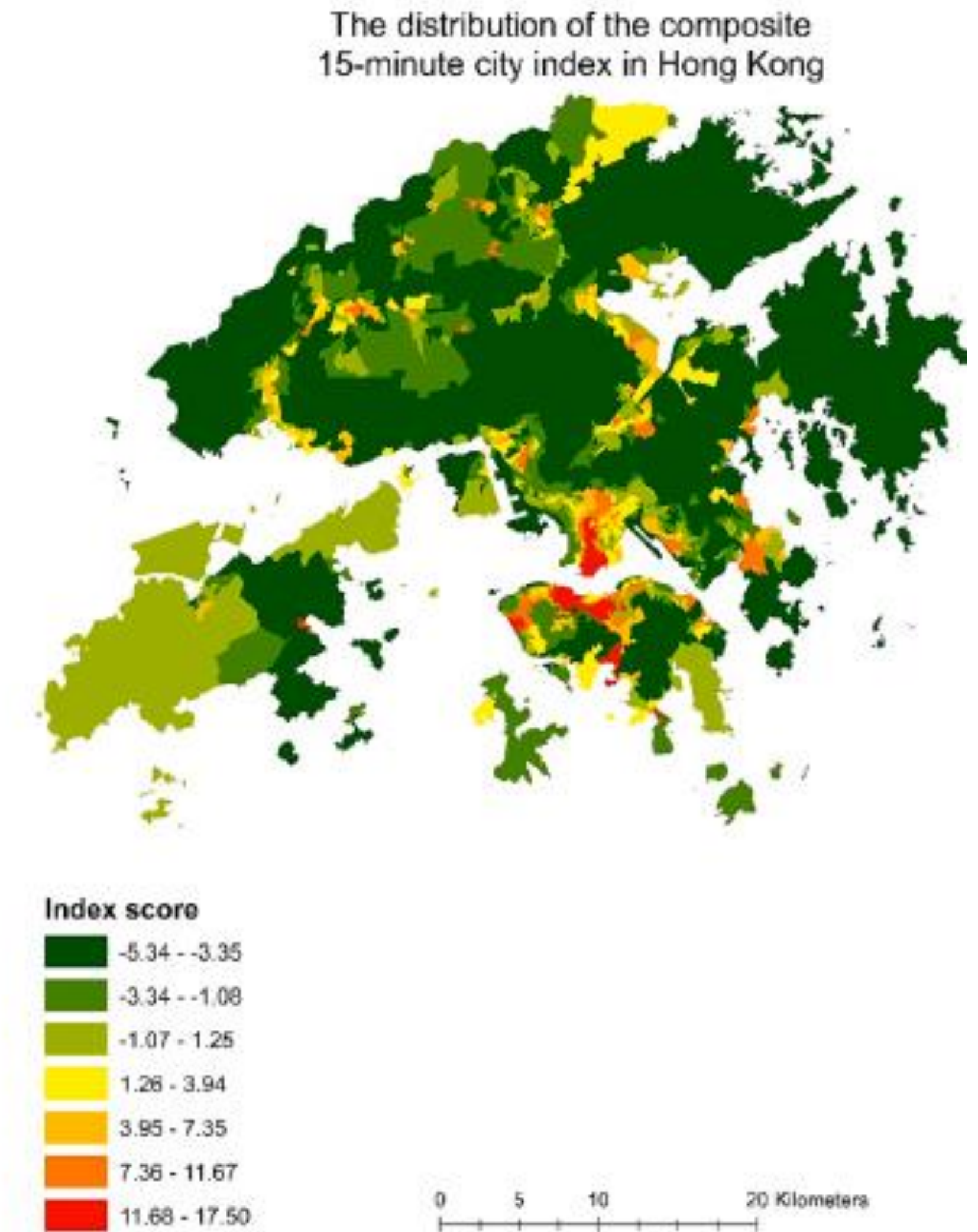


15-minute city principles: Putting people at the center of urban transformation

- Having all basic needs in a 15minutes walk.
- **Ecology** – Promoting sustainable urban living.
- **Proximity** – Reducing the need for long-distance travel.
- **Solidarity** – Fostering social connections among residents.
- **Democracy** – Encouraging citizen participation in urban governance.

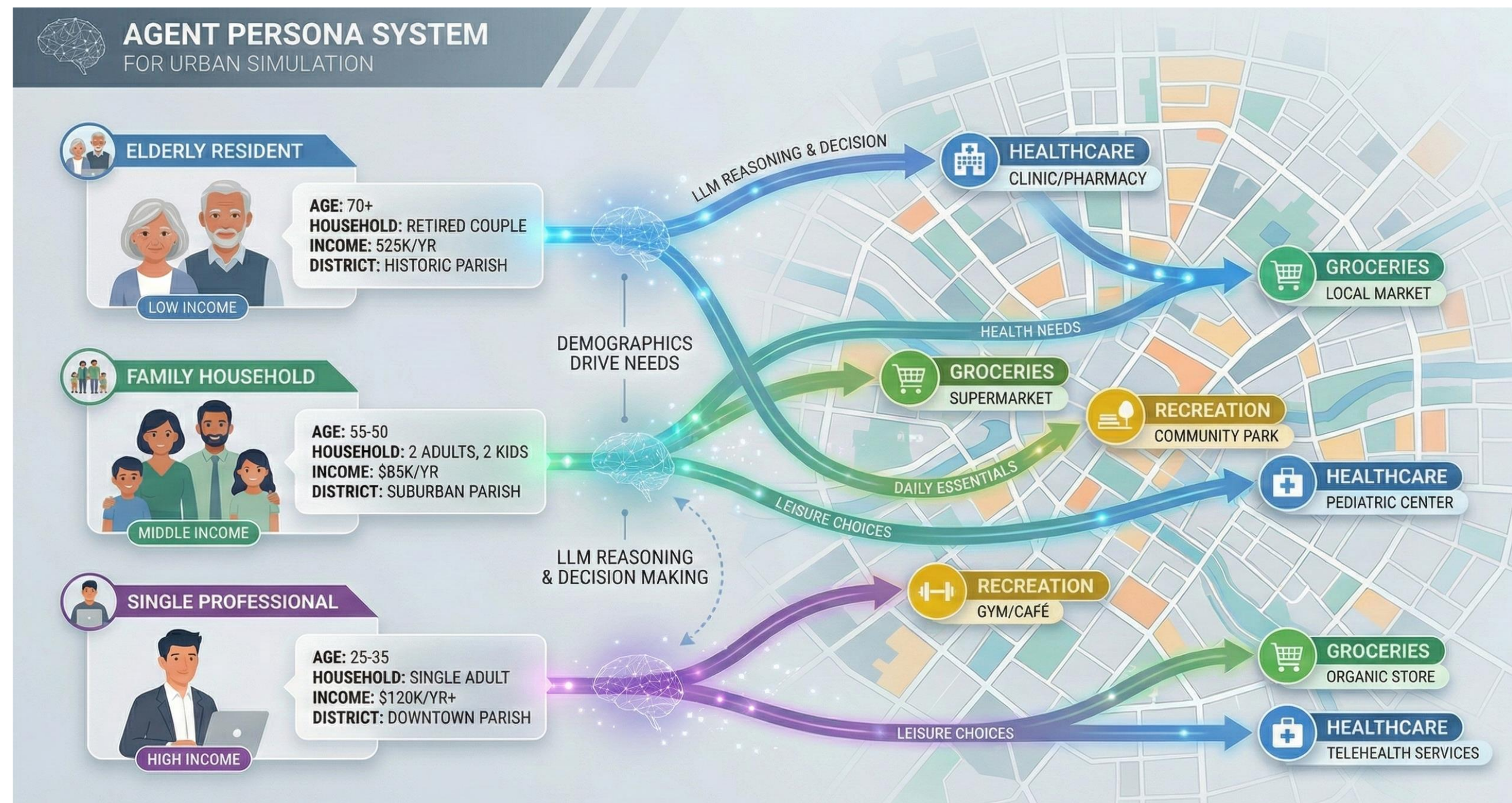


Liu, D., Wang, J., Song, J., Kwan, M.P., Fang, D., Ariga, T., Chen, Y. and Stinckwich, S., 2025. Exploring the inequality in fine-grained primary healthcare accessibility in Macau based on high-resolution geospatial data under the 15-minute city framework. *Applied Geography*, 174, p.103473.



Developing the 15-Minute City: A comprehensive assessment of the status in Hong Kong, Liu et al.

QuarterSociety: An agentic-based simulation for testing policies of the 15-min city



- Urban policies: Dynamic zoning reform
- Crisis management: assessing evacuation path
- Economic policies: basic income
- Environmental policies: limiting the use of carbon intensive means of transportation
- Healthcare policies: reducing cost of healthcare

<https://github.com/UNU-Macau/QuarterSociety>

How AI can speak on behalf of Humans?

- AI Voice: AI systems are taking decisions on behalf of people
- Decision-making often lacks perspectives from unheard stakeholders, such as **nature** or **future generations**, but also the most **excluded persons**
- How AI systems can act as proxies for those who cannot advocates for themselves

Scheuermann, K. & Aristidou, A. (2024). Could AI Speak on Behalf of Future Humans? *Stanford Social Innovation Review*. <https://doi.org/10.48558/N4BW-ND72>



Blog Post

Artificial Intelligence Models for Inclusive Participation in Policy Decision Making

AI and digital tech can drive sustainable development, but we must be aware of the opportunities and risks at both local and global levels.

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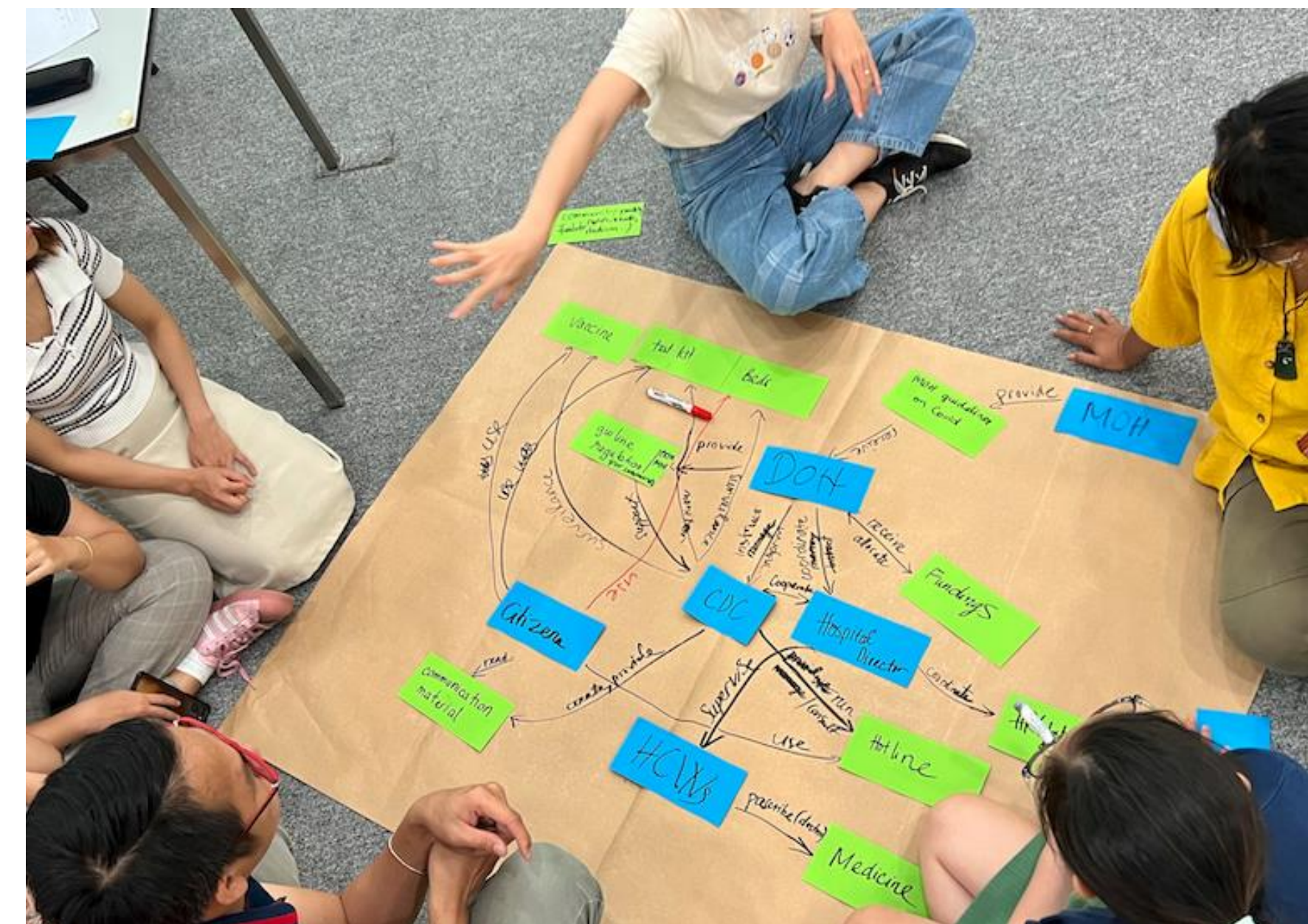
[Jaimee Stuart](#)

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Involve people in the design of decision making through Participatory Modeling

Participatory modelling seeks to foster stakeholder participation to **enhance understanding of problems**, mutual learning, democratic engagement, citizen empowerment, and better attune models to their decision-making and policy contexts, thereby leading to **improved collective intelligence**.



**If you want to collaborate on AI Agents for policymaking,
let's continue the conversation on LinkedIn**

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