

URBAN SOLUTIONS AND SUSTAINABILITY R&D CONGRESS 2023

BUILDING SUSTAINABLE, RESILIENT, AND LIVEABLE CITIES OF TOMORROW

4TH - 5TH OCTOBER 2023

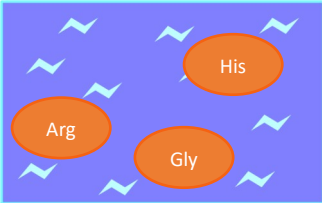


Cities as Social Reactors

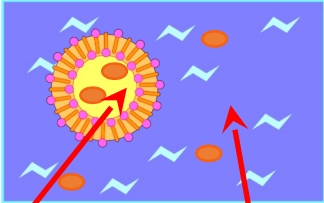
October 10, 2023

CHEONG Siew Ann

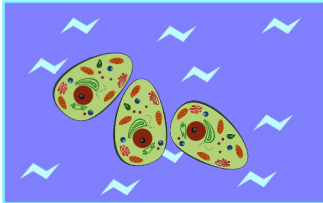
Signals & Boundaries



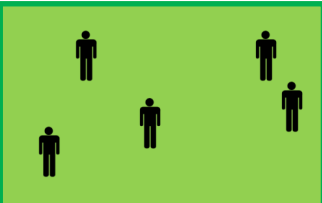
primordial soup



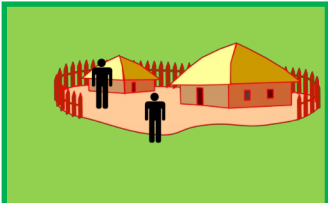
micelle (fast) soup (slow)



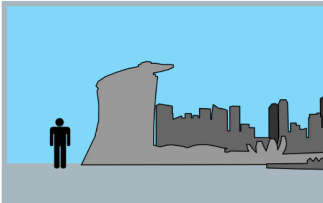
cells & tissues
(hierarchy of time scales)



dispersed groups
(slow)

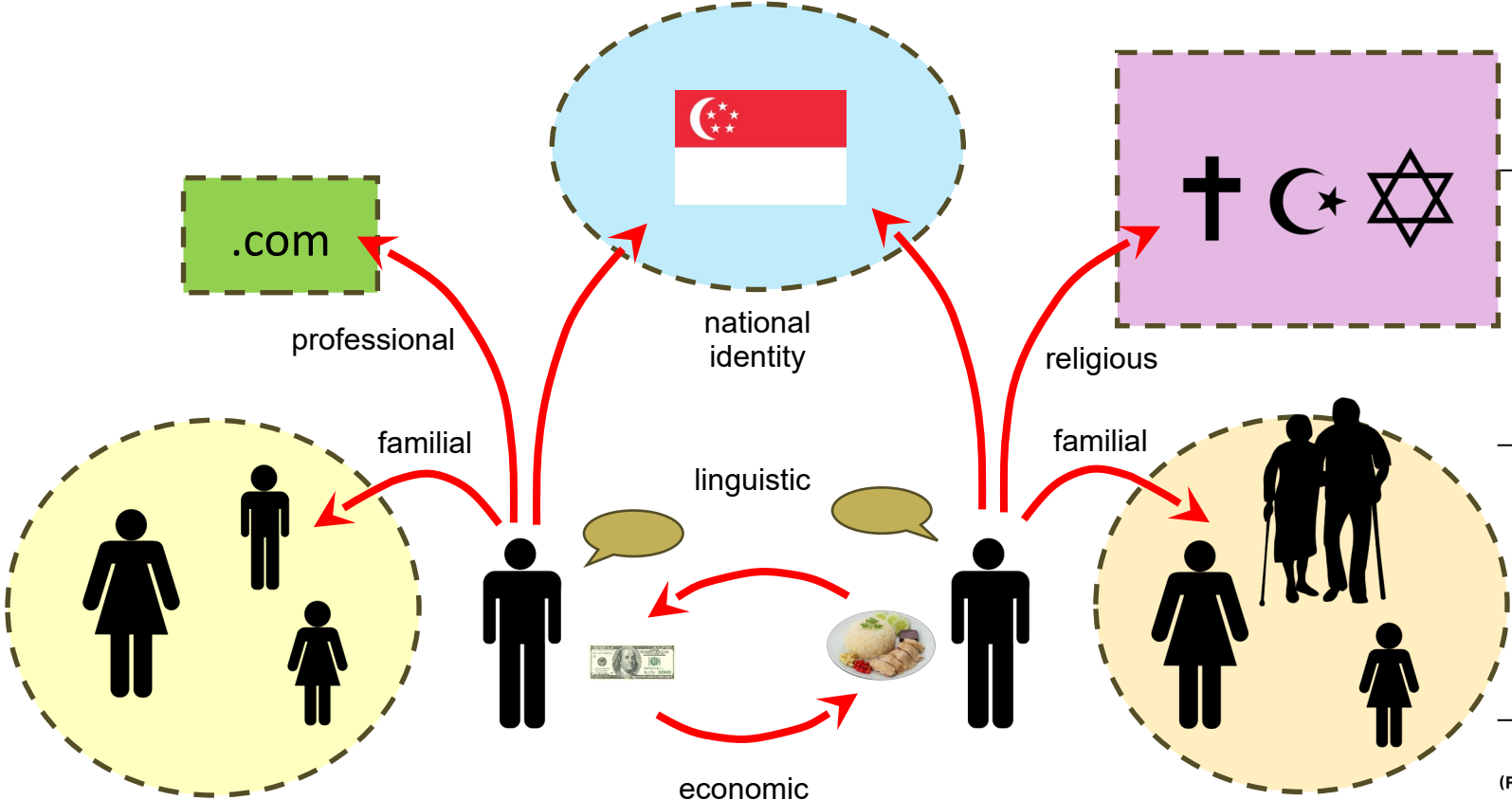


small settlements
(faster)

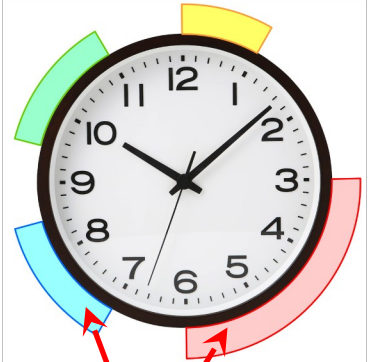


large cities
(fastest)

Coherent Social Interactions



Intensifying Urban Interactions



social interactions

shorter existing social interactions

maximize individual potentials

but use less land, less time, less energy, less ...

slow

faster

fastest

Module D4 Resource-Efficient Urban Intensification (EFF)

Research Team

WP1: Urban Data Analytics

WP2: Urban Economic Modeling

WP3: Urban Policy & Planning



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