

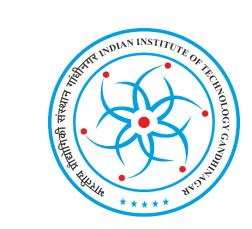






# METRO STATIONS – DESIGN FOR A BILLION – EGRESS MODELLING

**Embedding Resilience in Urban Transport Systems** 



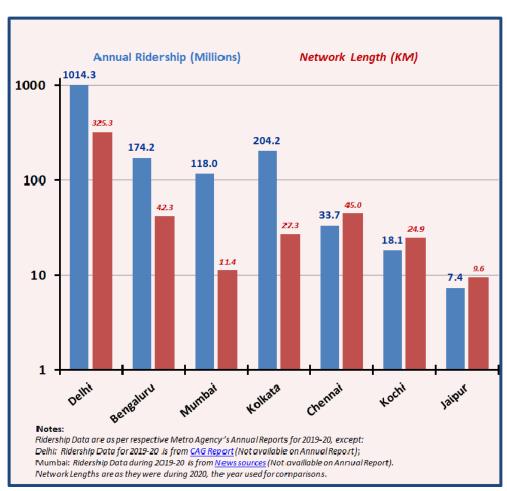
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#### **BACKGROUND**

- Network length and annual ridership (2020)
- Ability to escape during an emergency is an important design parameter





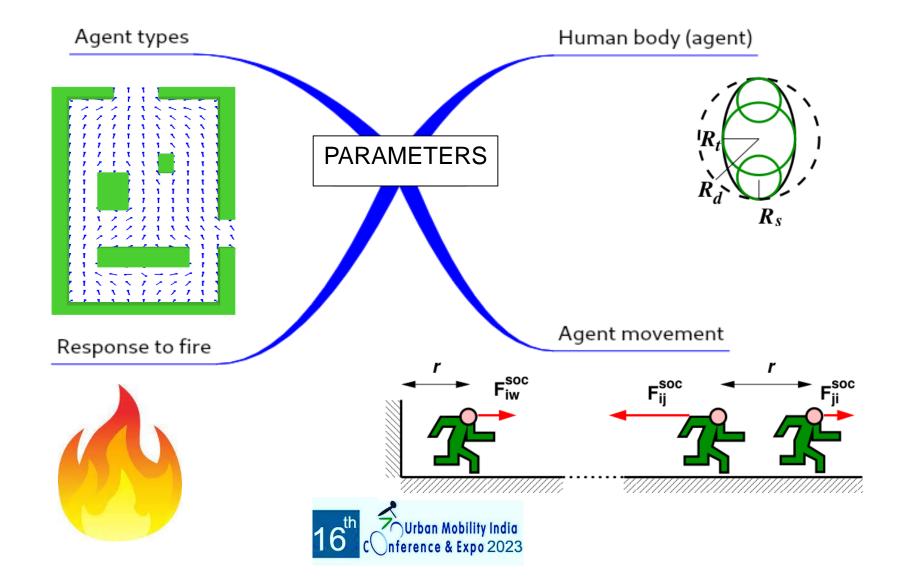
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### **EGRESS CONSIDERATIONS**

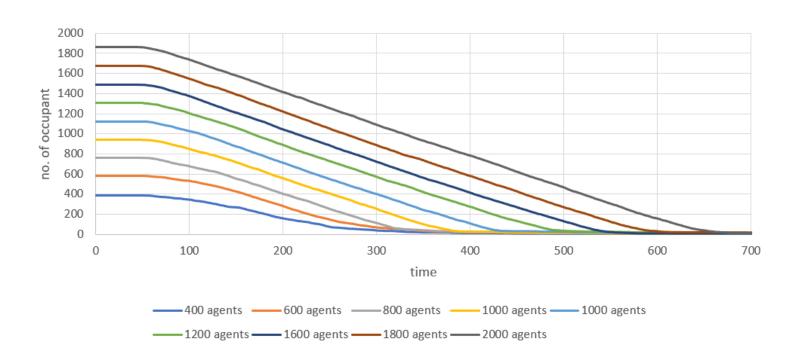
- Multiple human factors
- Multiple space and engineering design related considerations
- Availability of data in the Indian context
- Availability of models tailored to the Indian context
- Multi-use of the facility
- Sensitivity of parameters



## **EGRESS CONSIDERATIONS**

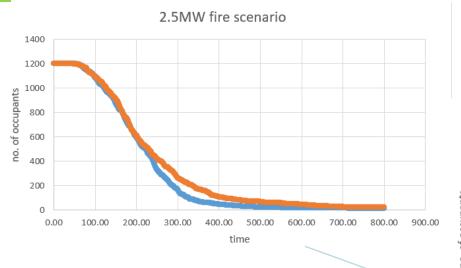


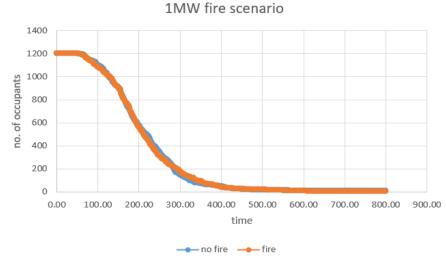
## PRELIMINARY RESULTS

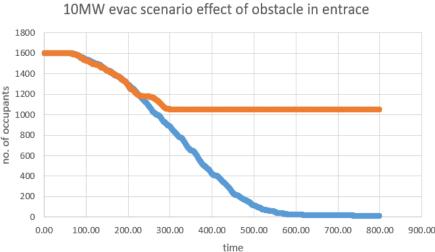




# PRELIMINARY RESULTS

















### THANKS FOR YOUR ATTENTION!

Embedding Resilience in Urban Transport Systems



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