

ABM

- waste water - based surveillance
- **goal**: detect pattern of the outbreak

why ABM?

- agent: human?
- discrete-event $\rightarrow$ when & where that event (action of agent) happened (time & space)
- Models (3 models!) $\rightarrow$ mobility, disease, wastewater
└ spatiotemporal integration based on events
 - disease start
 - mobility spreads infections
 - wastewater records the infections

Agents $\rightarrow$ human, virus particle ??

- define input parameters of each models
- we need to have info of how people commute, sewage plant, sewage network system

