

# Digital and Human Worlds

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## Three Challenges of Urban Data



### Cost

- Systematic, reliable, complete and timely data is costly.



### Time

- Time to market vs. obsolescence.



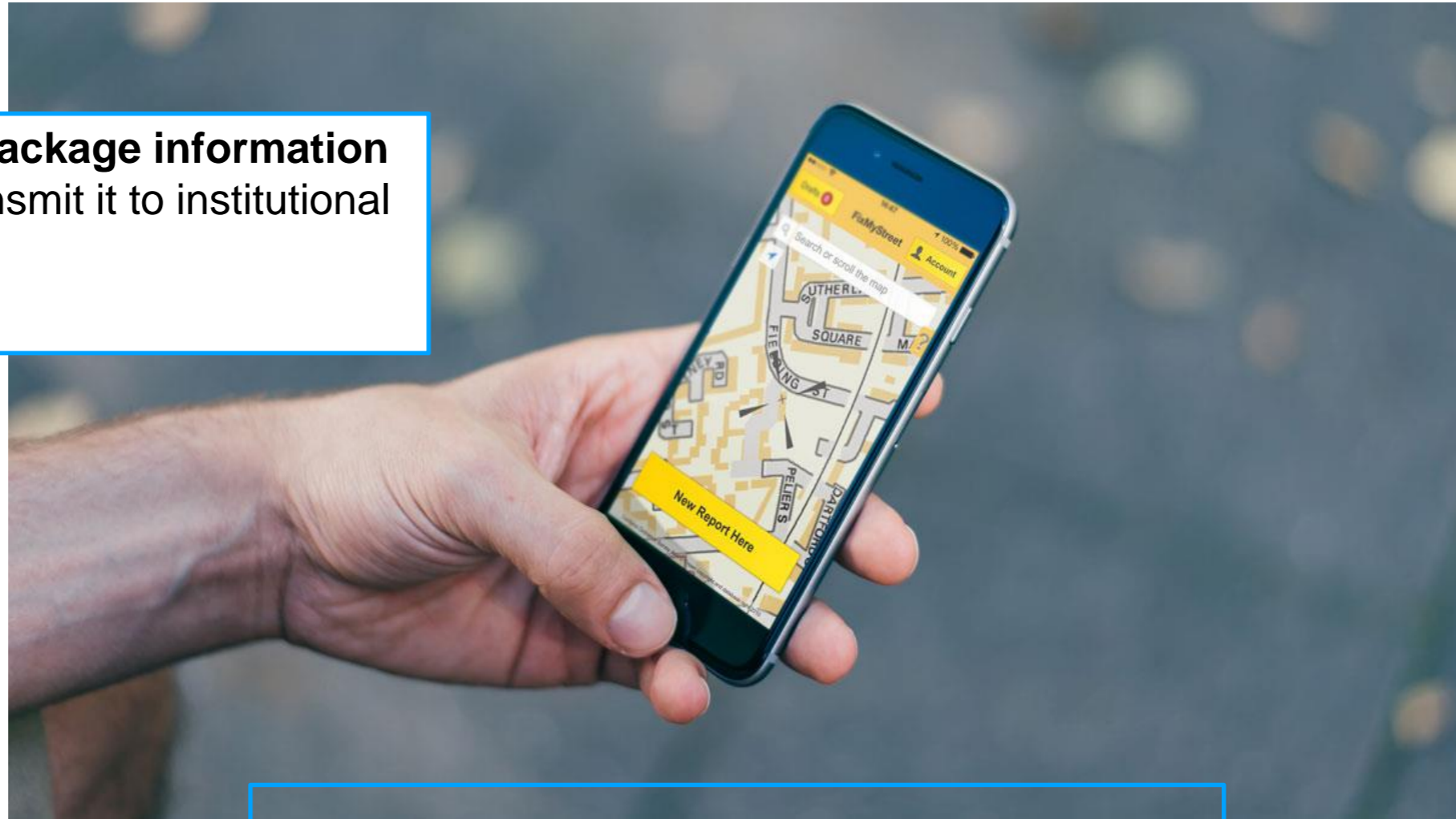
### Scale

- For some types of data (e.g. housing) it's difficult to have enough resolution to appropriately inform policies.



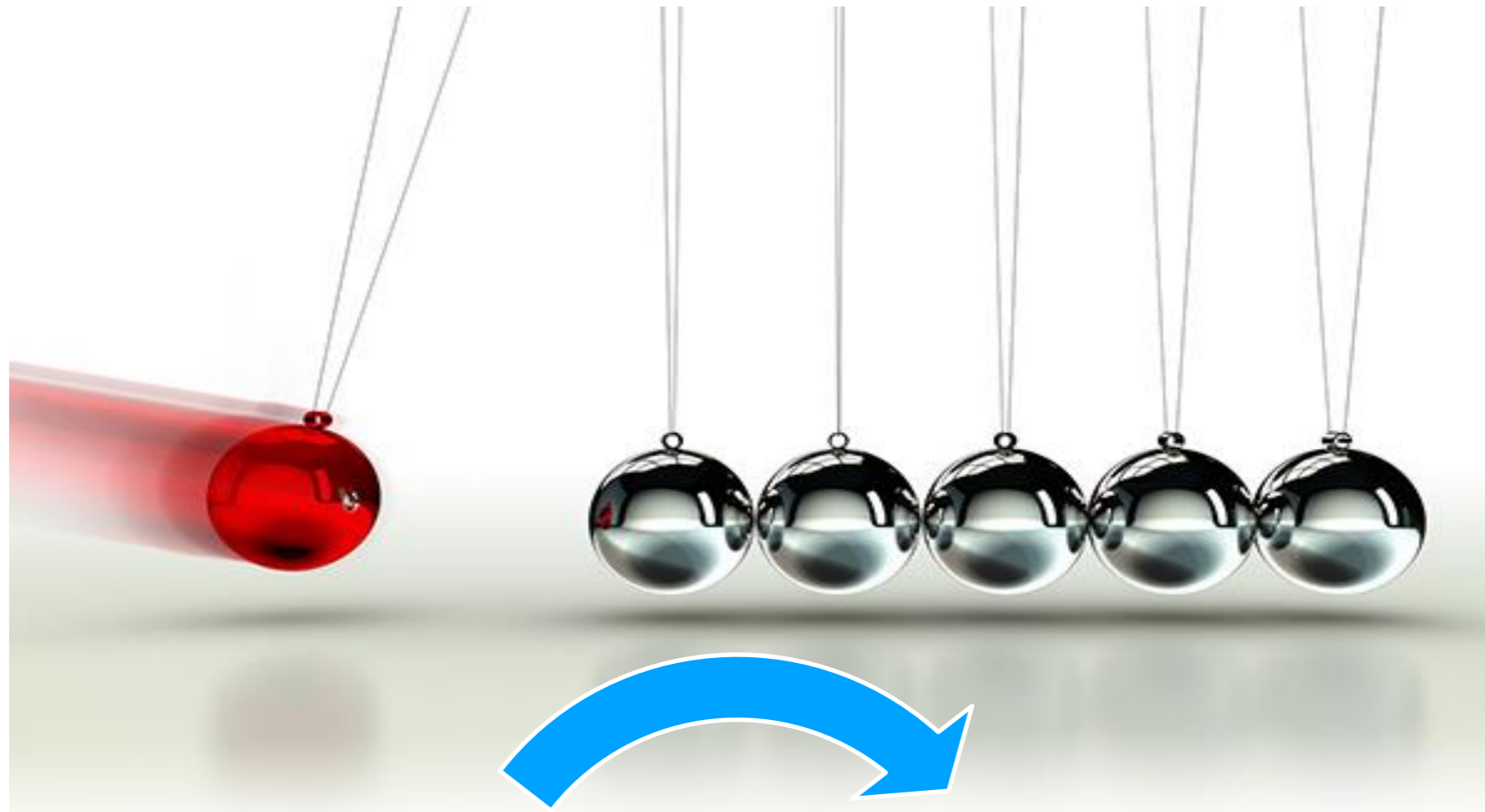
## Involving Citizens

Citizens **gather and package information through apps** and transmit it to institutional databases.



- ▶ Potential for cost-cutting, redundancy, scale, flexibility.
- ▶ Successful experiences in science-based projects, less so in collecting urban data.
- ▶ High potential for maintenance of Urban Infrastructure, including Housing

# The strongest incentive is IMPACT



## Citizens

- Drop out when they see the data they input has no impact.

## Localities

- Drop out when they see citizens do not care/report enough.