

# Antony Froggatt Chatham House / University of Exeter

[antony@froggatt.net](mailto:antony@froggatt.net)

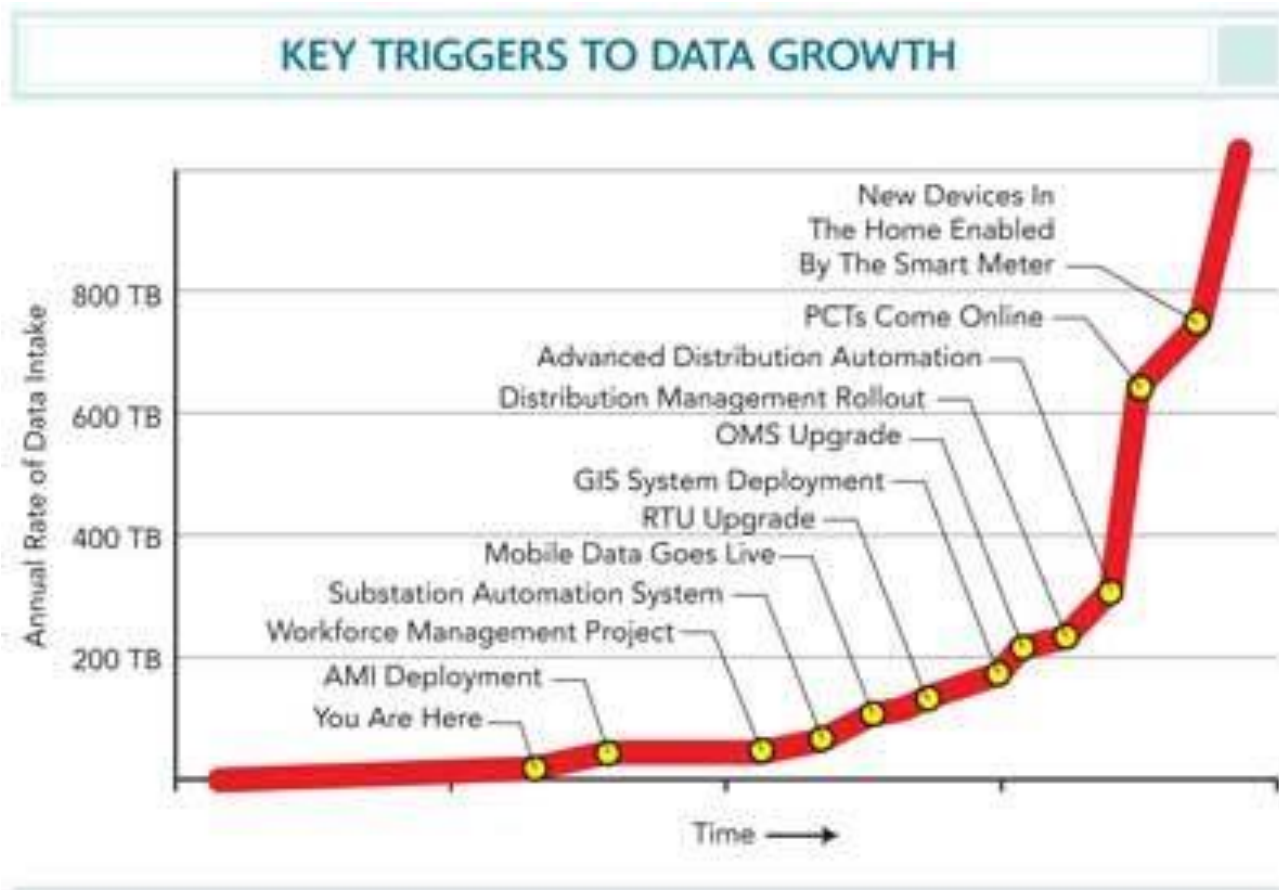
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New Thinking For Energy



# Data Growth



A smart meter will generate 400 MB of data each year. This figure is for a utility of 1 million customers:  
Globally, over 700 million are installed

## Opportunities

- Consumers
  - Provide information of value
  - Cheaper energy service
  - New role
- System
  - Accuracy of information
  - Improve System efficiency/machine learning
  - Enable new market actors

## Barriers

- Consumers
  - Confidentiality
- System
  - Security
  - Data Management

Question: How to make transition to smarter system without massive roll-out of obsolete technologies (e.g. not smart enough meter?) given rate of development.