



## **Smart City Data Ecosystem**

- ☐ Cities of the future will be integrative data ecosystems
- ☐ Generating and consuming massive amounts of data

- Mr. Greg Scott

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### **□** Multiple Scale

- International, Regional, National, Provincial, Municipal, Local ......
- **■** Multiple Dimension
  - Geospatial, non-geospatial, quantitative, qualitative, image, video ......
- **□** Multiple Granularity
  - Statistical, collective, samples, abstracts, streaming ....
- **■** Multiple Sources
  - Remote Sensing, Physical Sensors, Social Sensors, ......
- Multiple Temporal
  - Static, Slow-changing, Quick-changing, Real-time, .....

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# 智慧临潼 Smart Lintong





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### Challenges

#### **□** Technological Challenges

- Big data management, Data cleaning
- Real-time data fusion, streaming data processing, Visualization
- AI, deep learning for effective and efficient decision making

### ☐ Policy Making and Management Challenges

- Data policy
- Data safety
- Life cycle management of data ecosystem
- **.....**

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