ITS = Better Air Quality

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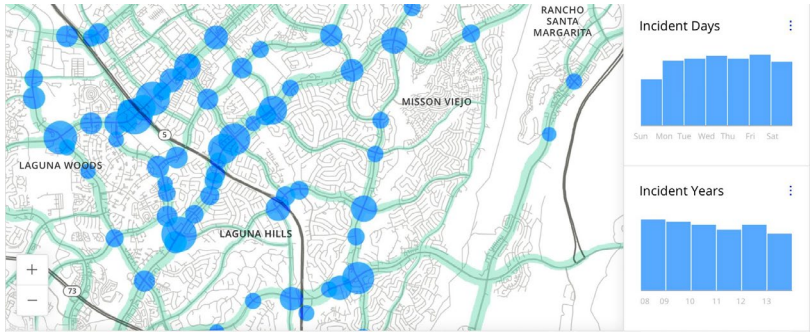
Intelligent Transportation Systems

- Basics
- Emerging Challenges
- Benefits
- Investments

ITS Basics

- Data
  - Data Science
  - Crowdsourcing & Data Sharing
- Technology
  - Traffic Signal Controllers
  - Sensors
- Infrastructure
  - Fiber & cellular connectivity
  - Data Warehouse



TRB – 2019 Emerging Issues

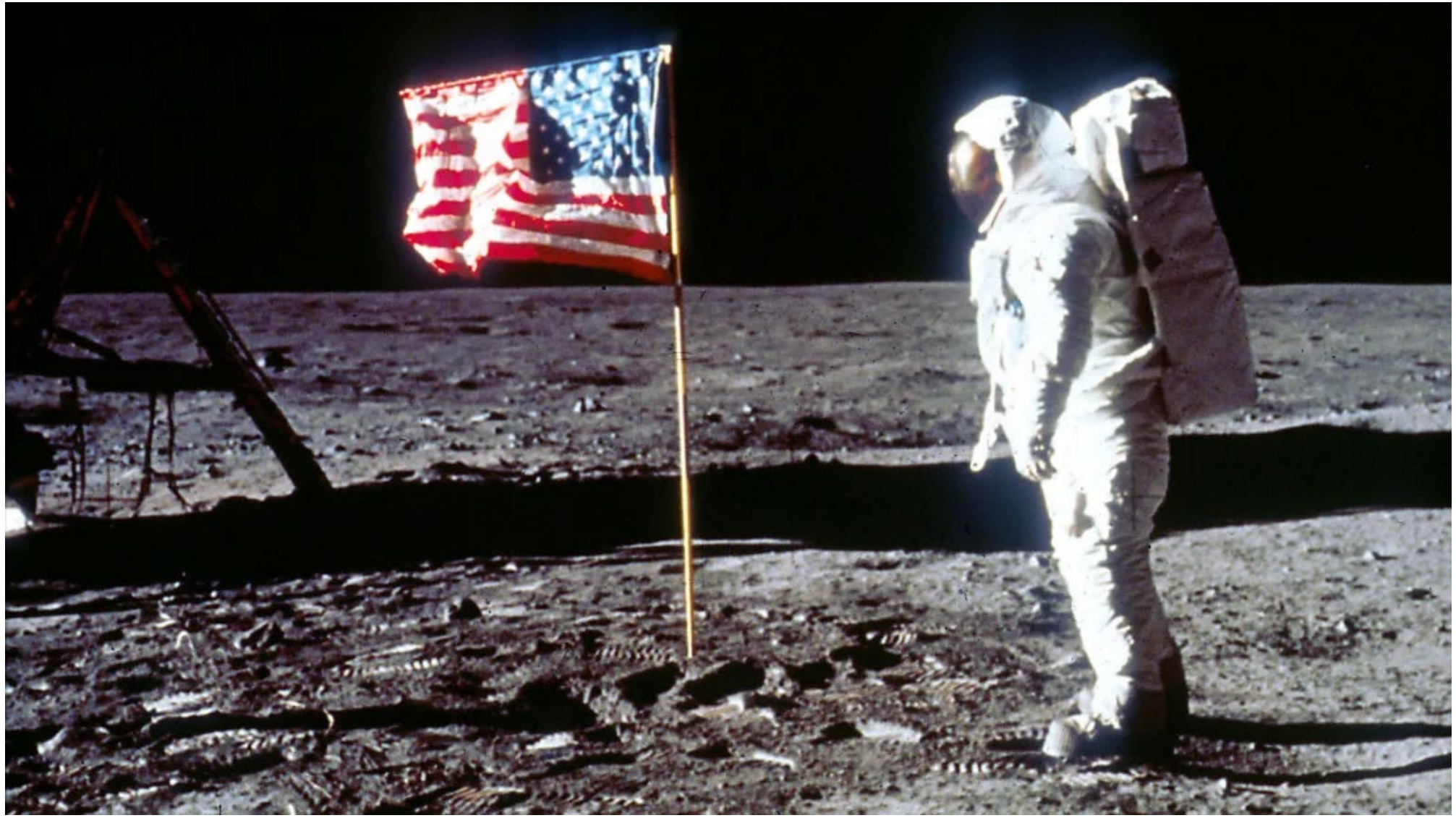
ITS Benefits – Air Quality

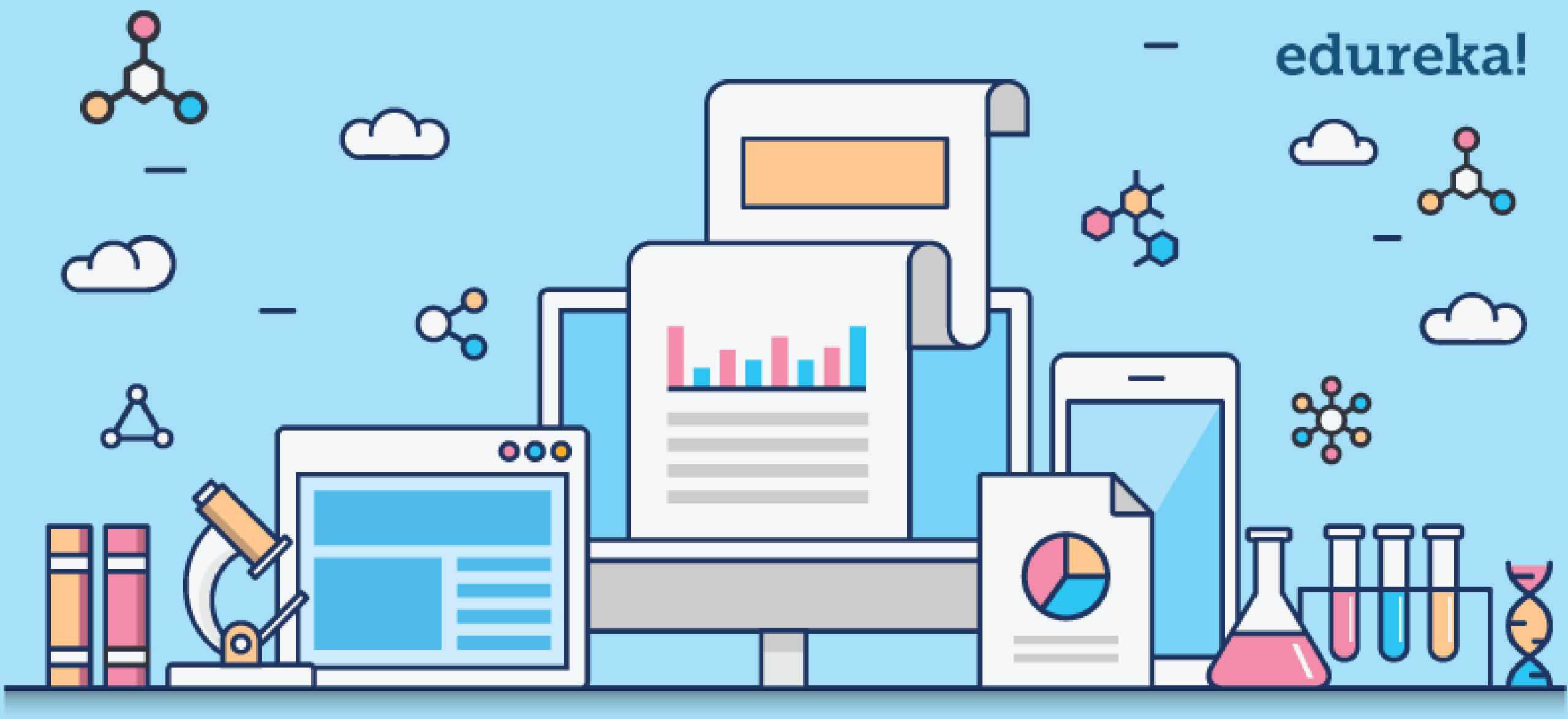
- Increased Coordination
- Dynamic Routing
- Transit & Freight Prioritization
- Integration of Modes
- Automated Regulation

Investments

If a tree falls in the woods…

1960's technology was impressive…





What is Data Science?

End State:

- Regional Data Sharing
- Connectivity to all urban signals
- Coordinated dynamic routing
- Sustained funding for ITS
- Congestion Pricing