European Transport Research in the Digital World

George Yannis
Professor, Director of the Department of Transportation Planning and Engineering
www.nrso.ntua.gr/geyannis
The School of Civil Engineering of the NTUA

National Technical University of Athens: 1st University (Horizons 2020)
School of Civil Engineering: 11th in Europe (QS Ranking 2018)
The Department of Transportation Planning and Engineering

15th in Europe (Shanghai Rankings 2018)
Key transport research challenges

- traffic automation
- flying vehicles
- transport integration
Automation transforms road traffic forever

- Combined safe, efficient, green and autonomous traffic
- The interface between autonomous vehicles and the VRUs
- The tricky long transition phase
Flying Vehicles add the vertical dimension

- Tremendous repercussions on efficiency, safety and the environment
- The critical interface between road and air traffic
- Combined air and road traffic management
Seamless transport systems and services

- New traveller experience with dynamic choices
- Redefinition of public and private transport
- Seamless integration with all society activities
A new era for transport modelling

• Big data, big mistakes, big solutions

• From correlation to causation

• Are the results transferable?
The competitive transport research

- Excellence
- Impact
- Implementation
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