

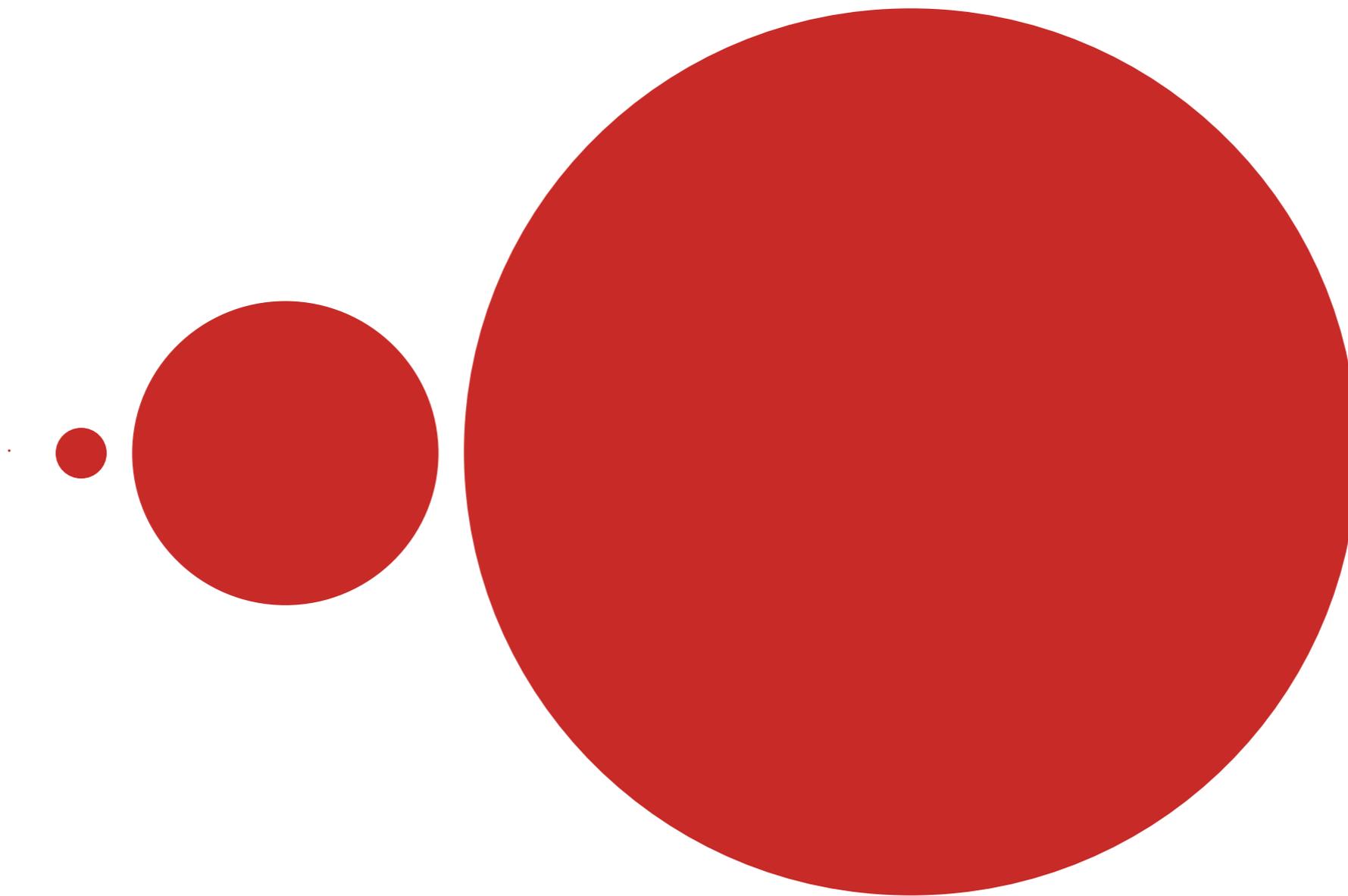
How to expand the boundaries of the Internet through vehicles?

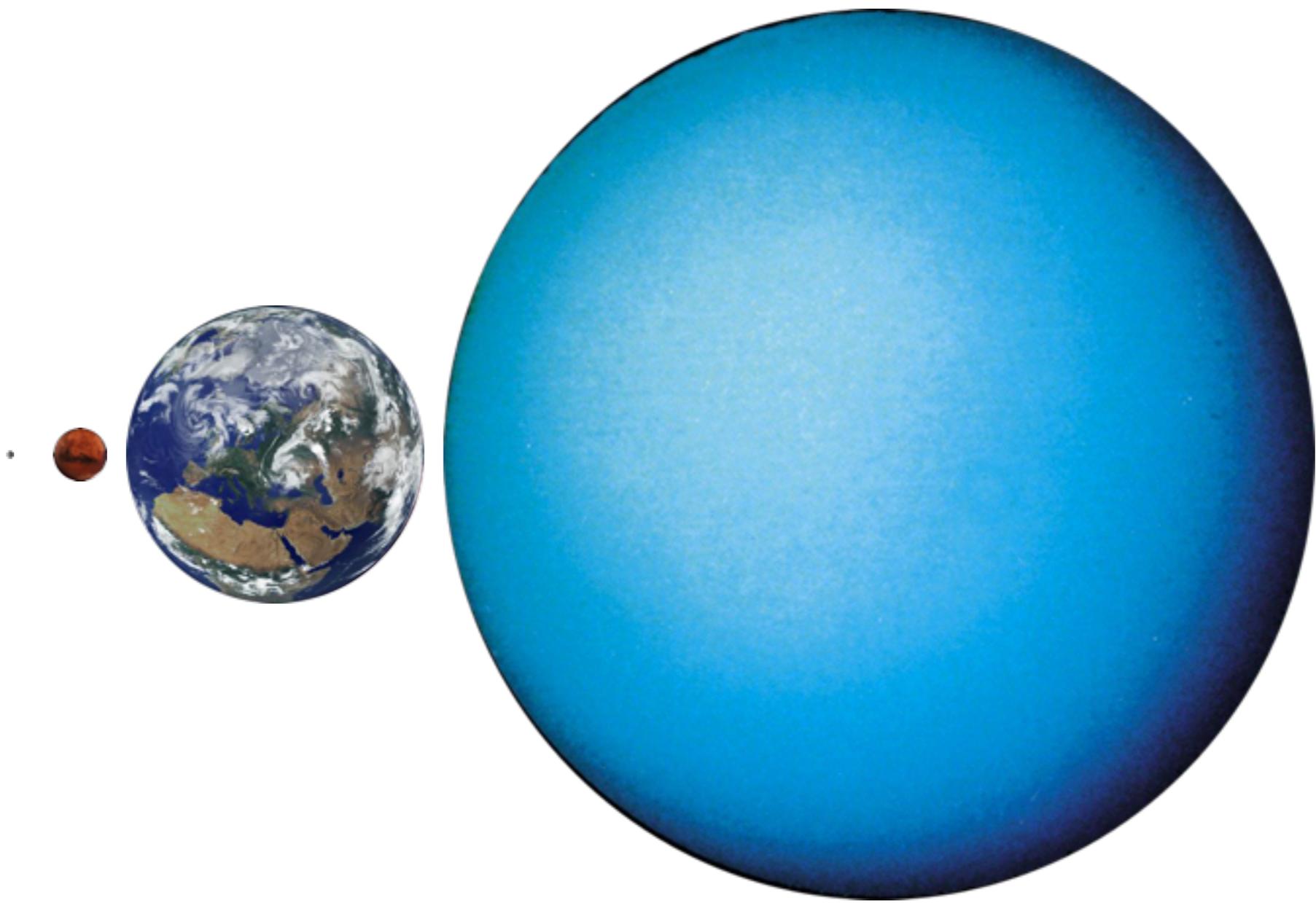
Benjamin Baron

Prométhée Spathis and Marcelo Dias de Amorim

UPMC Sorbonne Universités

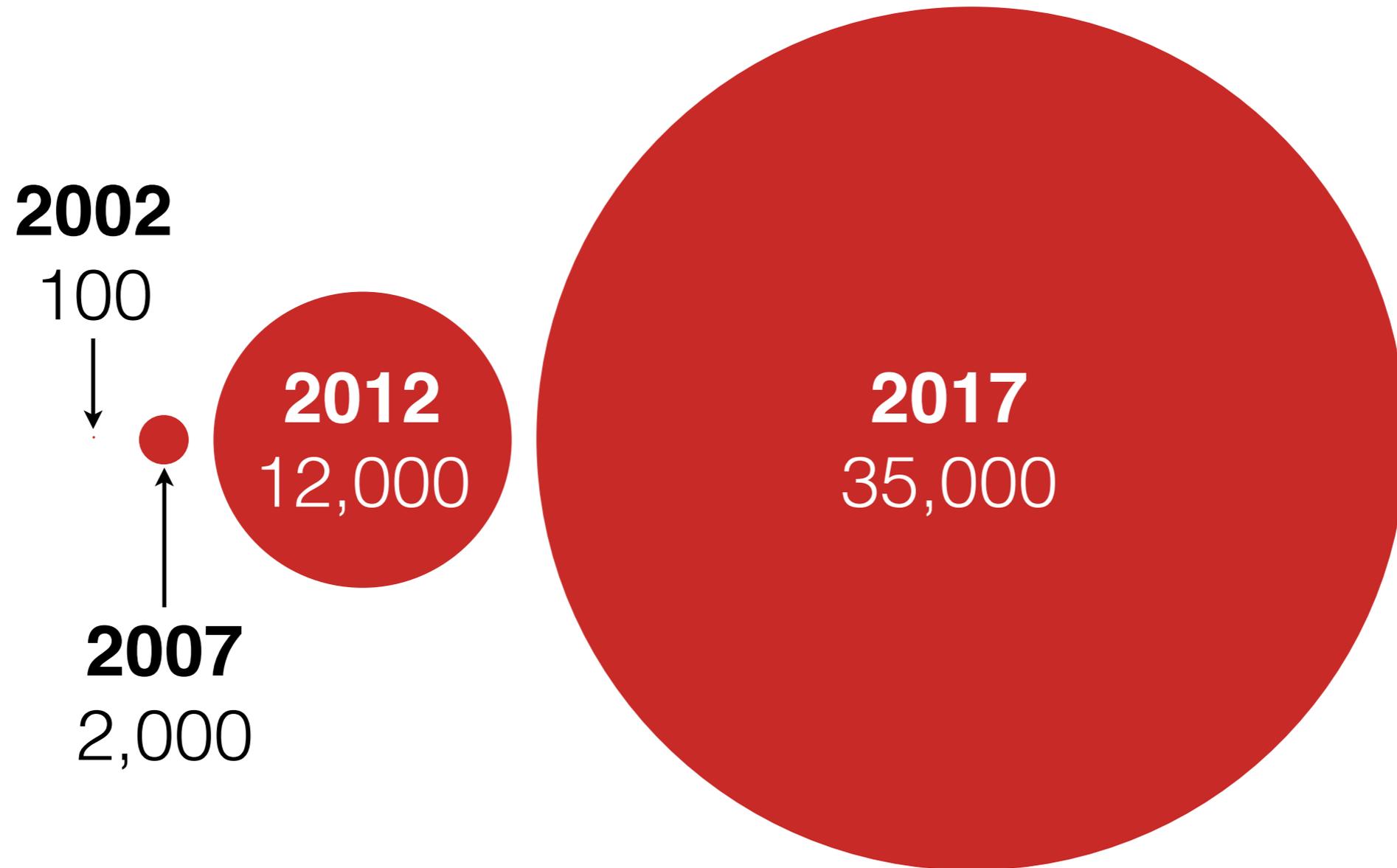
Ecole d'été ResCom 2014





Global Internet Traffic Growth

Gigabytes per Second (Cisco VNI, 2013)





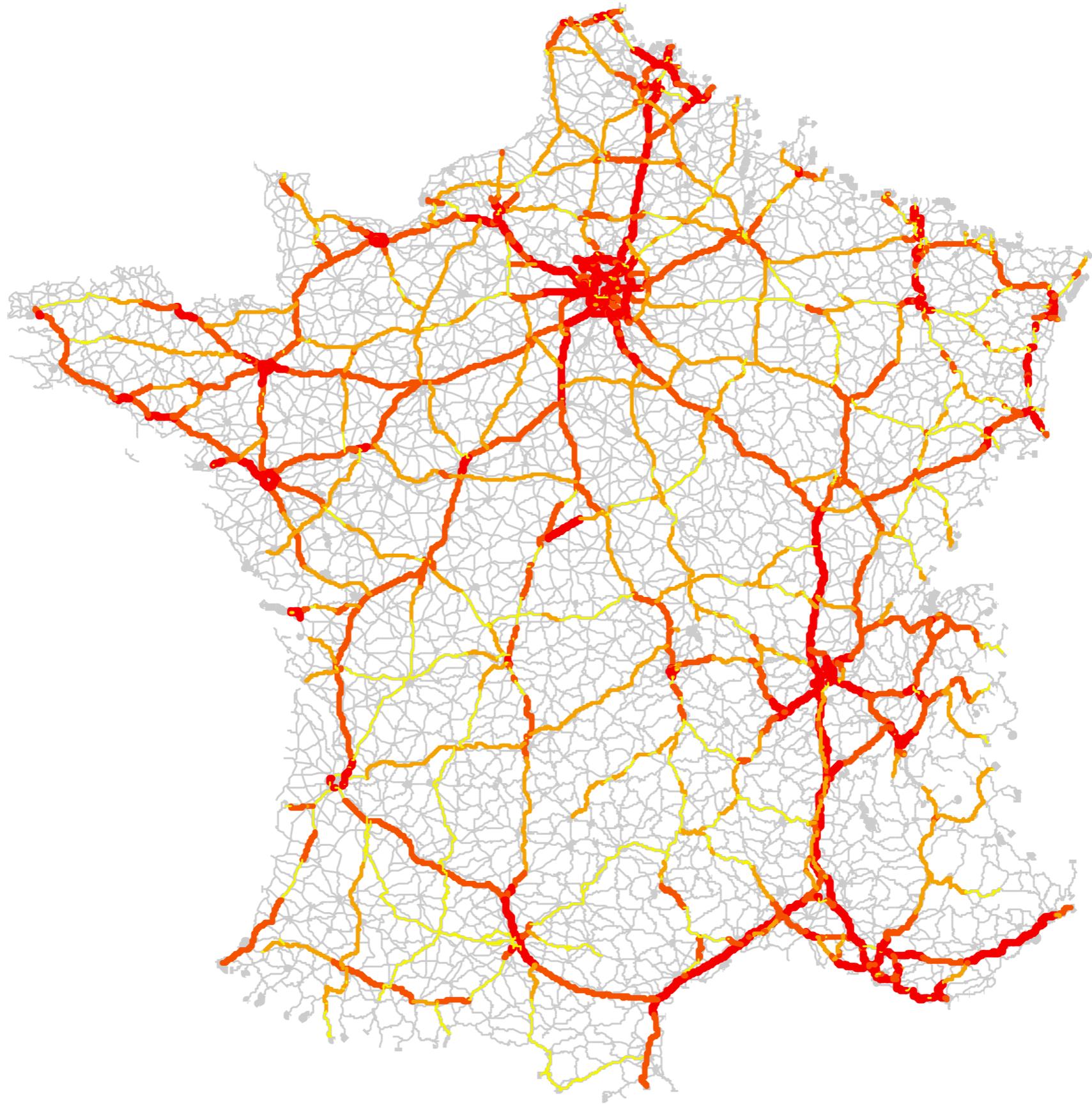


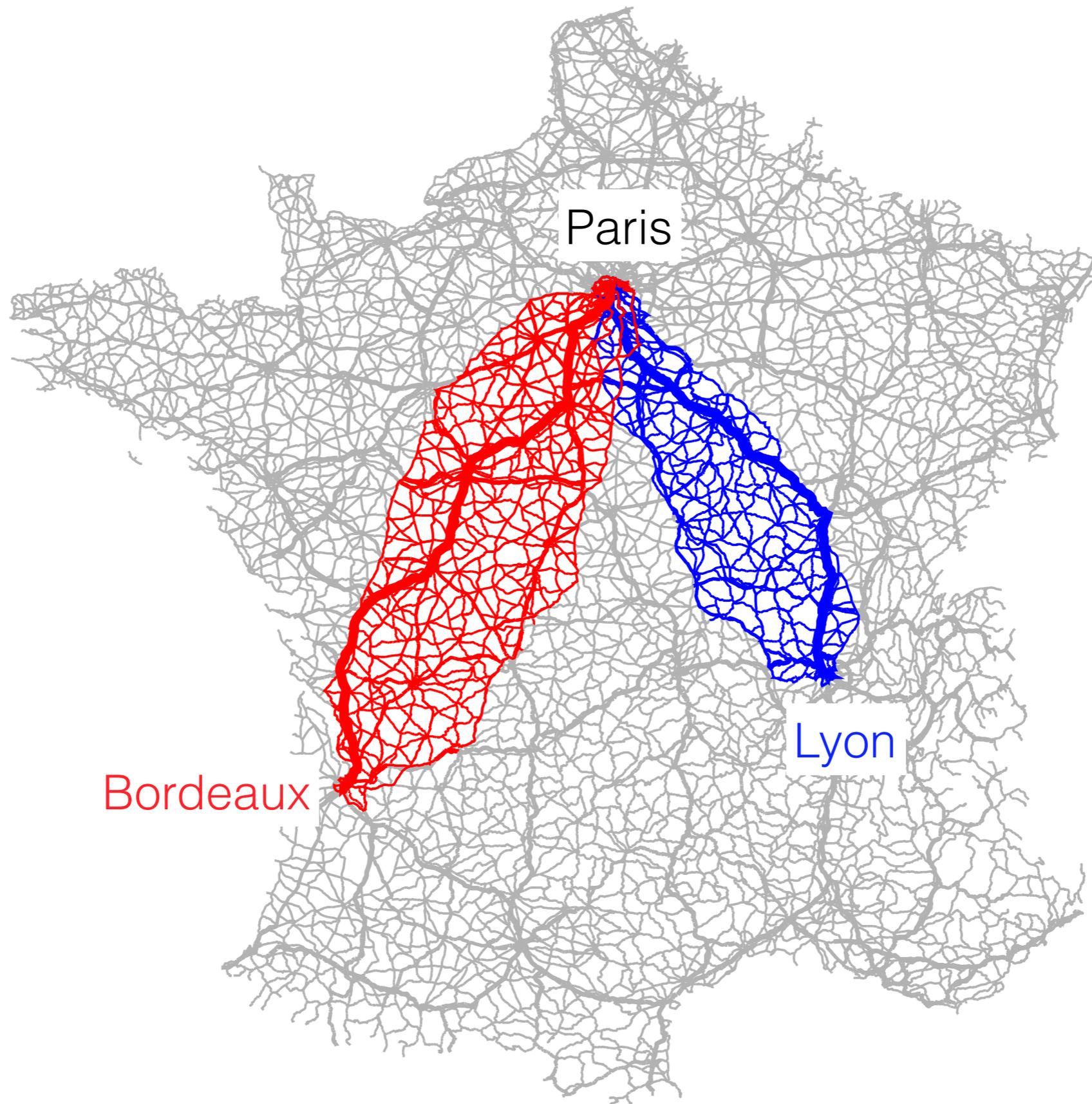
“Never underestimate the bandwidth of a station wagon full of tapes hurtling down the highway.”

– Andrew S. Tanenbaum, 1981





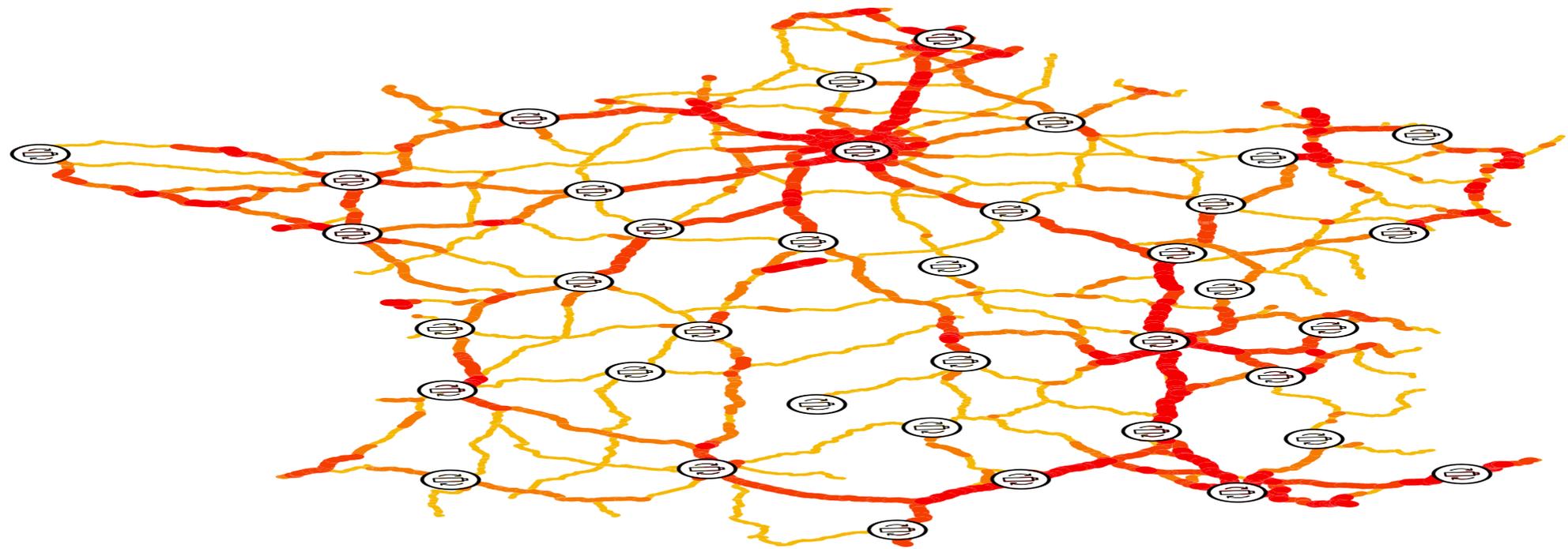


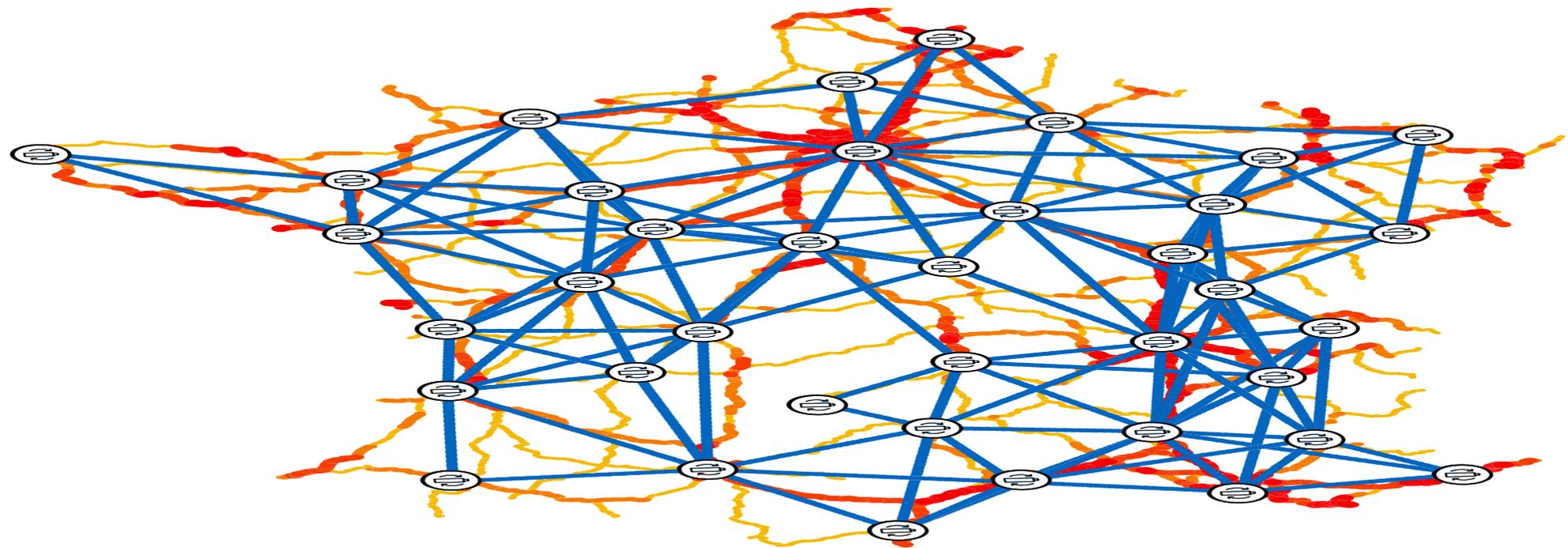


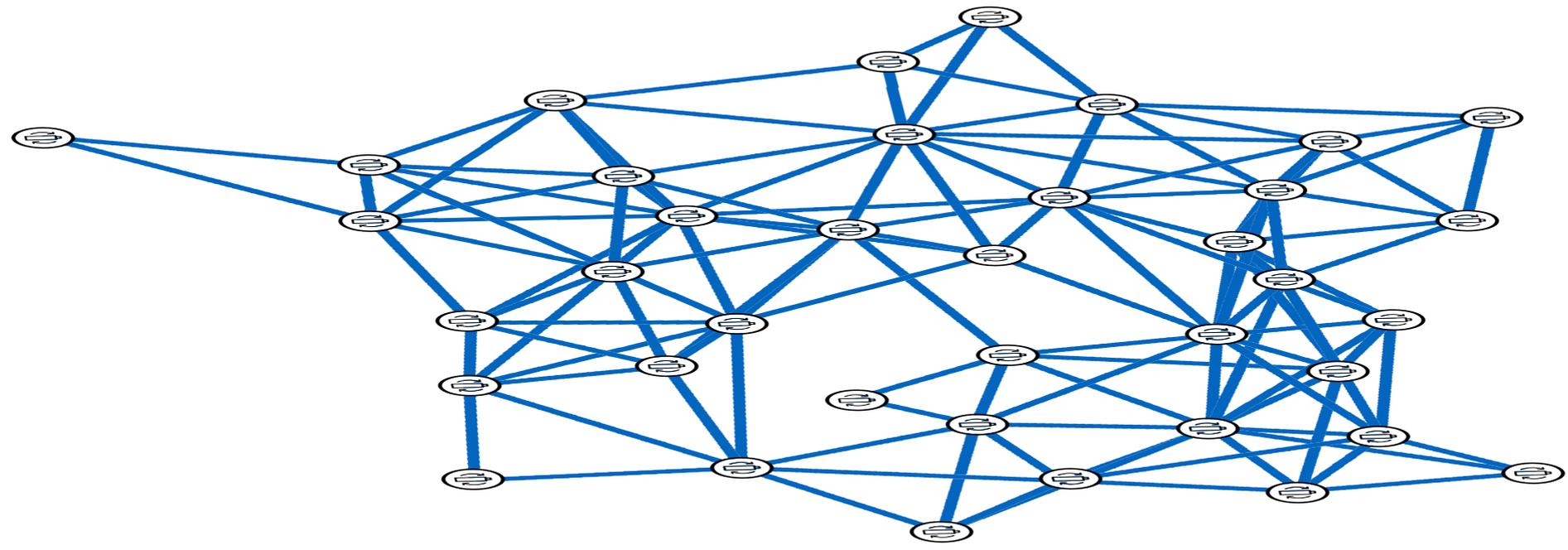
Paris

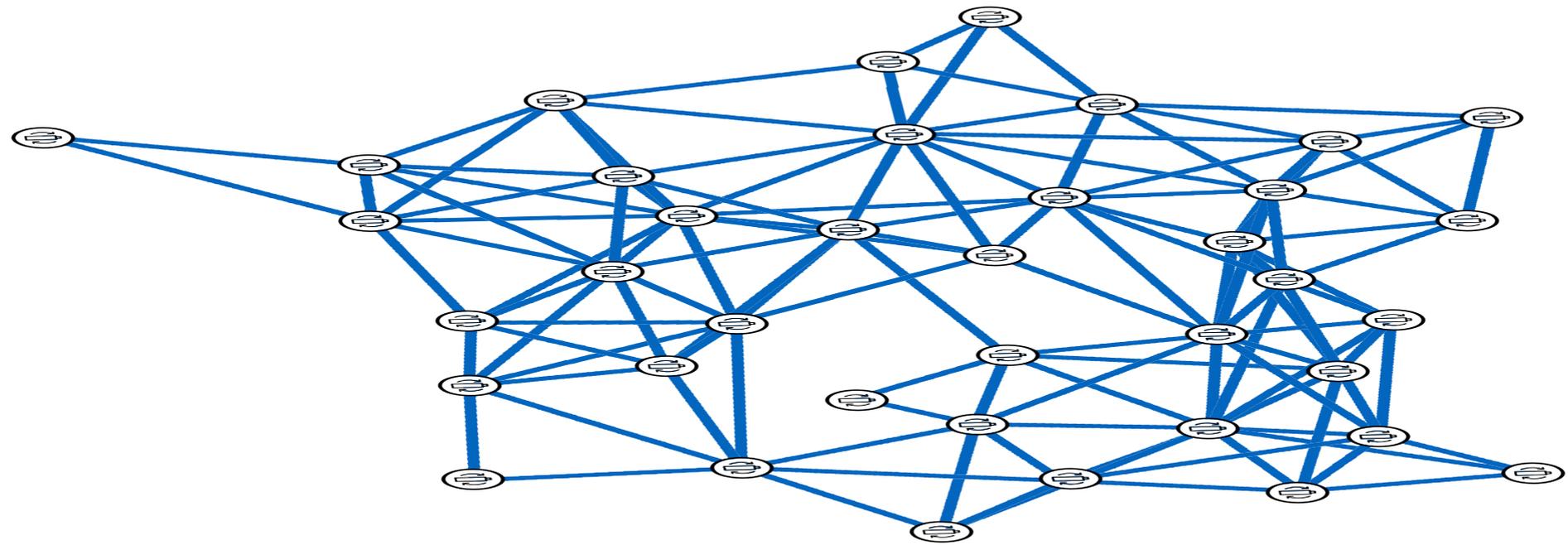
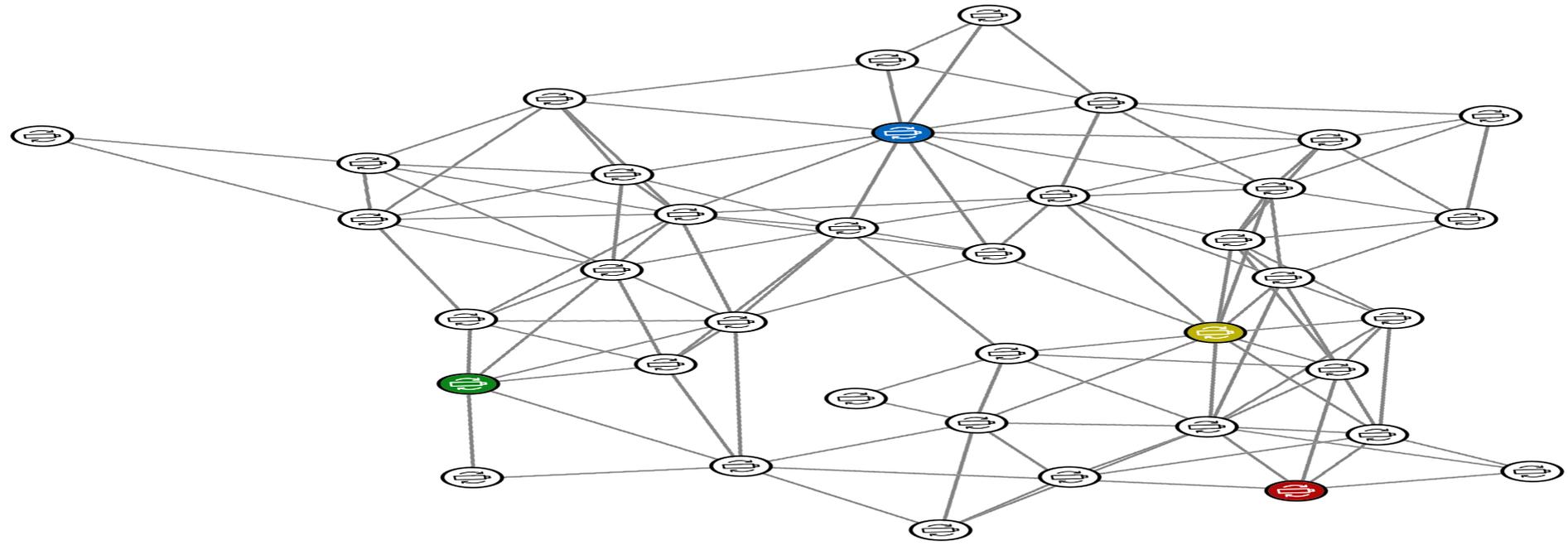
Bordeaux

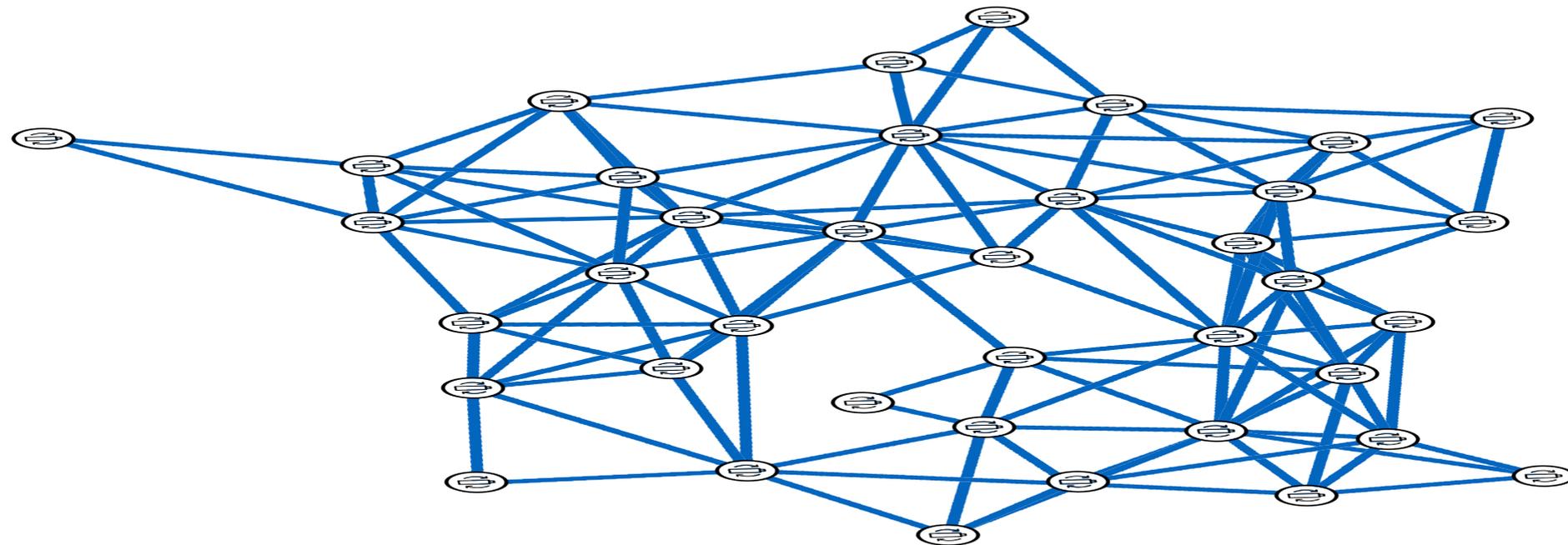
Lyon

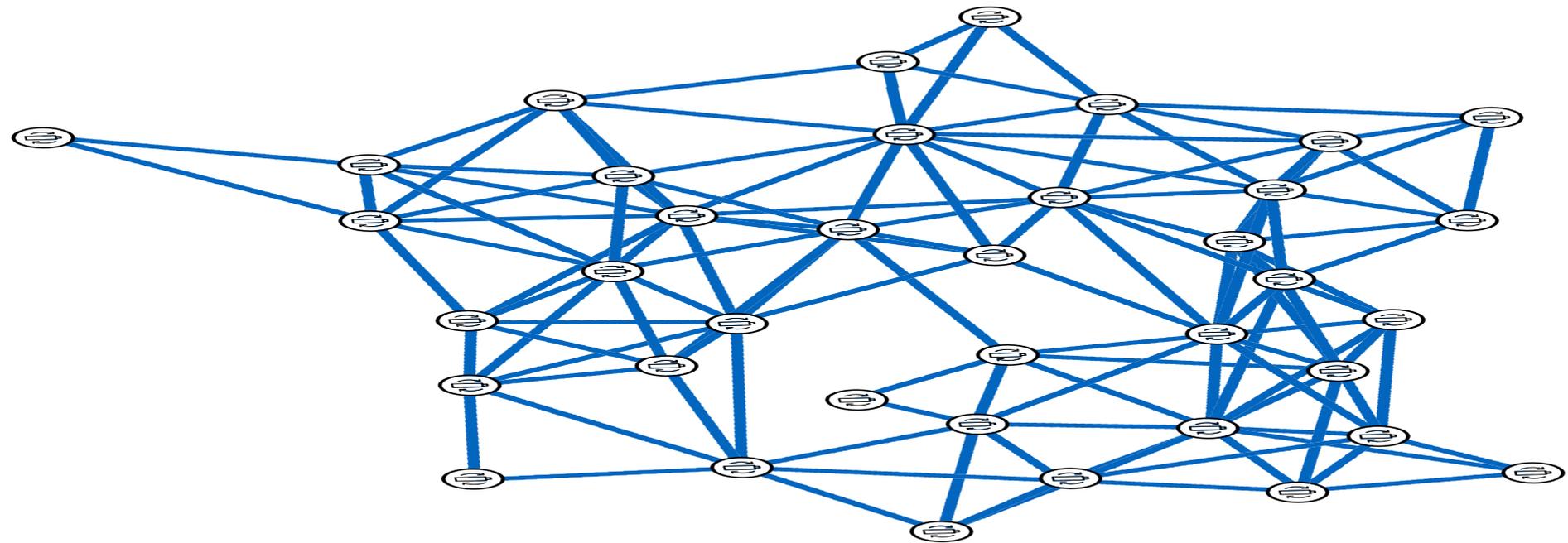


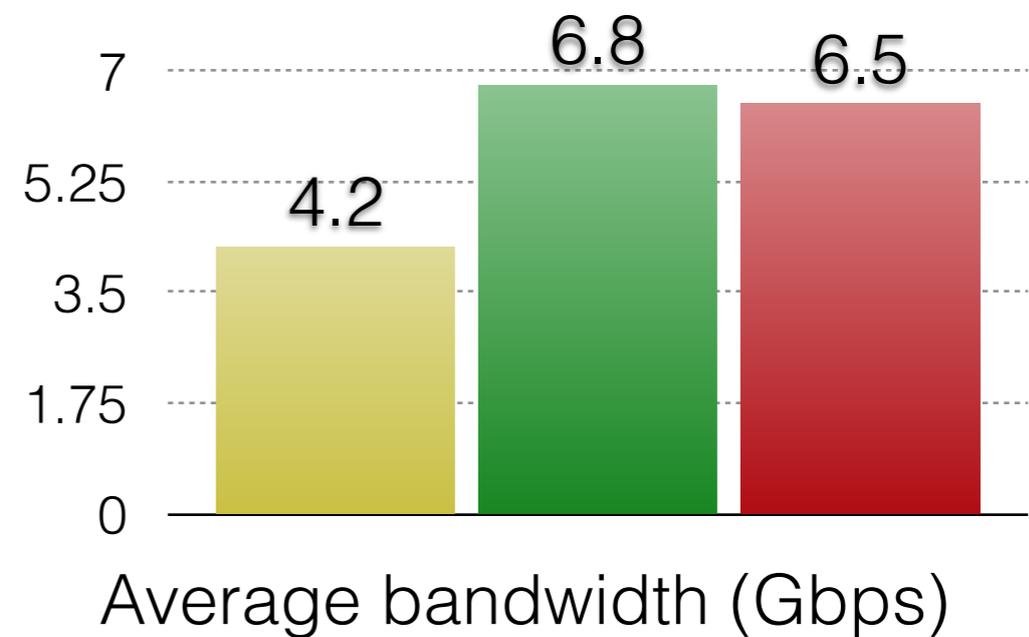
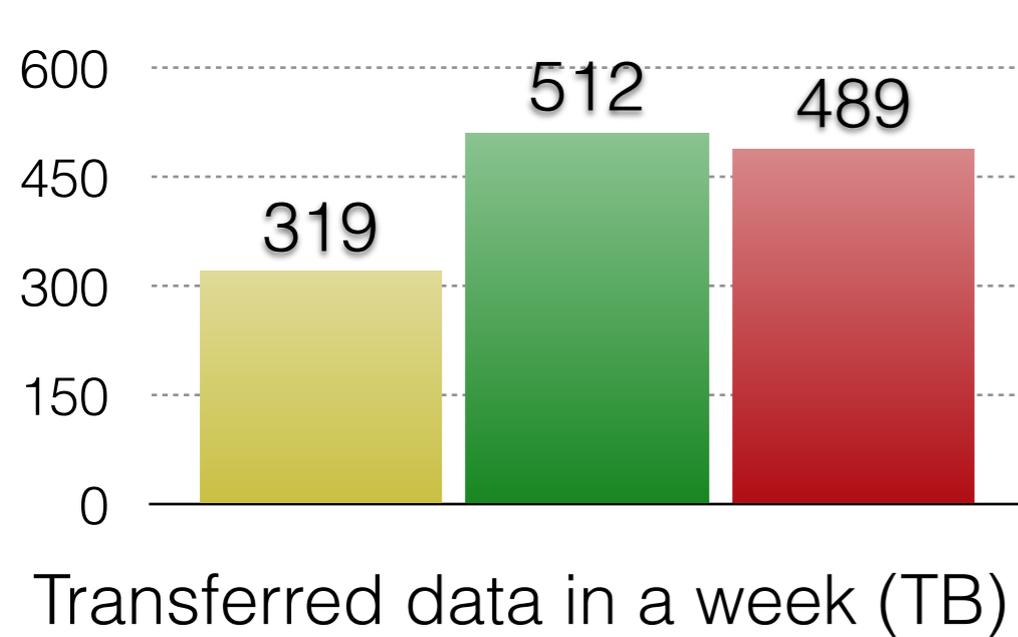


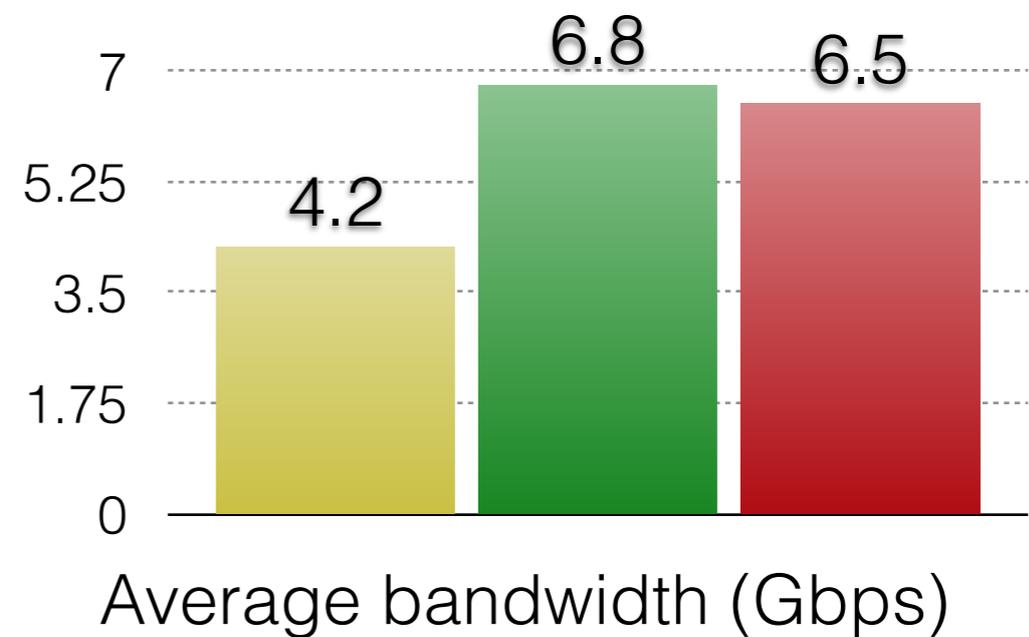
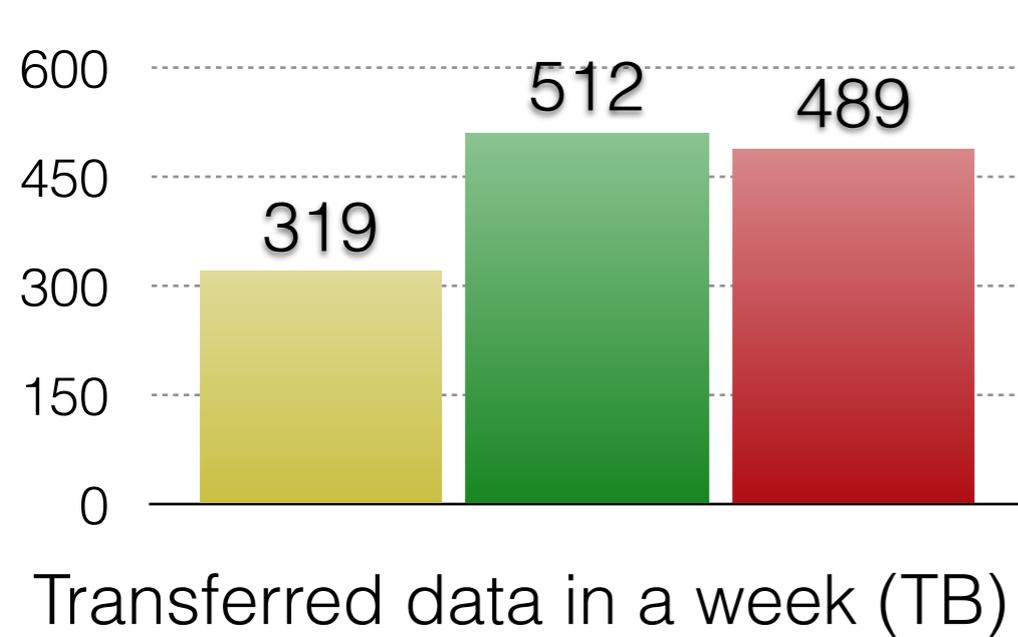






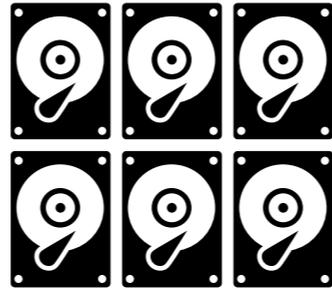






Over **one petabyte** transferred in a week

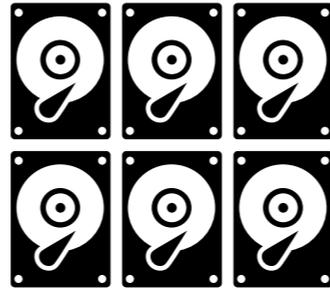
STORAGE



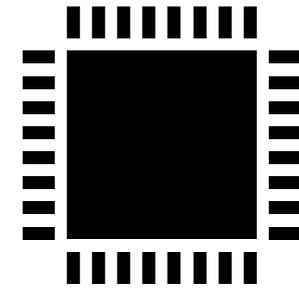
SENSE



STORAGE



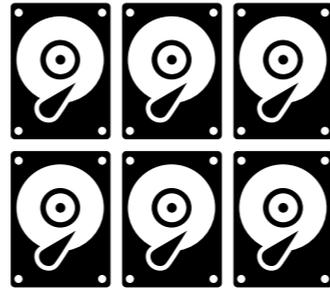
COMPUTE



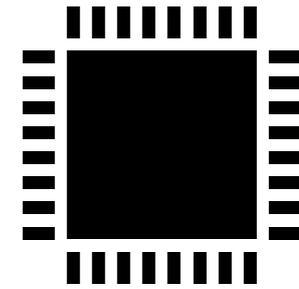
SENSE



STORAGE



COMPUTE



Smart Cities

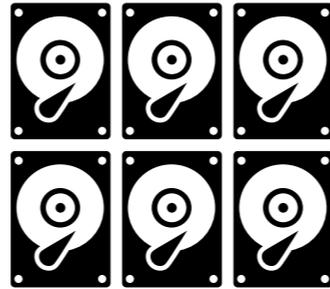


Internet of Things

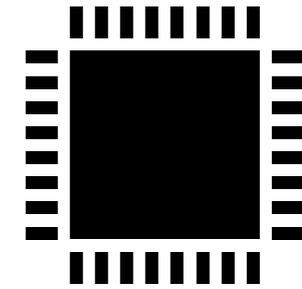
SENSE



STORAGE



COMPUTE



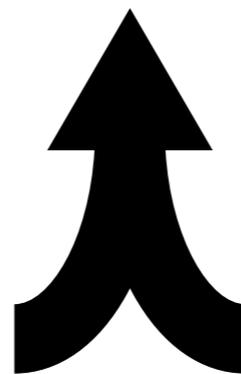
Smart Cities



Internet of Things



Collect
Distribute



Aggregate



Security
Privacy



B. Baron



P. Spathis



M. Dias de Amorim



R. Wakikawa



H. Rivano



Y. Viniotis



J. Clarke

