Time sensitiveness in data driven regulatory policy design

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Broadband Policy: What effect do we seek?

To reduce transactional costs
To defragment supply and demand
To induce social cohesion
To neutralize undesirable market effects

Broadband Policy: the timing granularity

Are time scales for data sets too long?
Is “Just-in-time” policy-making doable?
Do we have heuristics to correct policy timely?

Connectivity Supply and willingness to invest

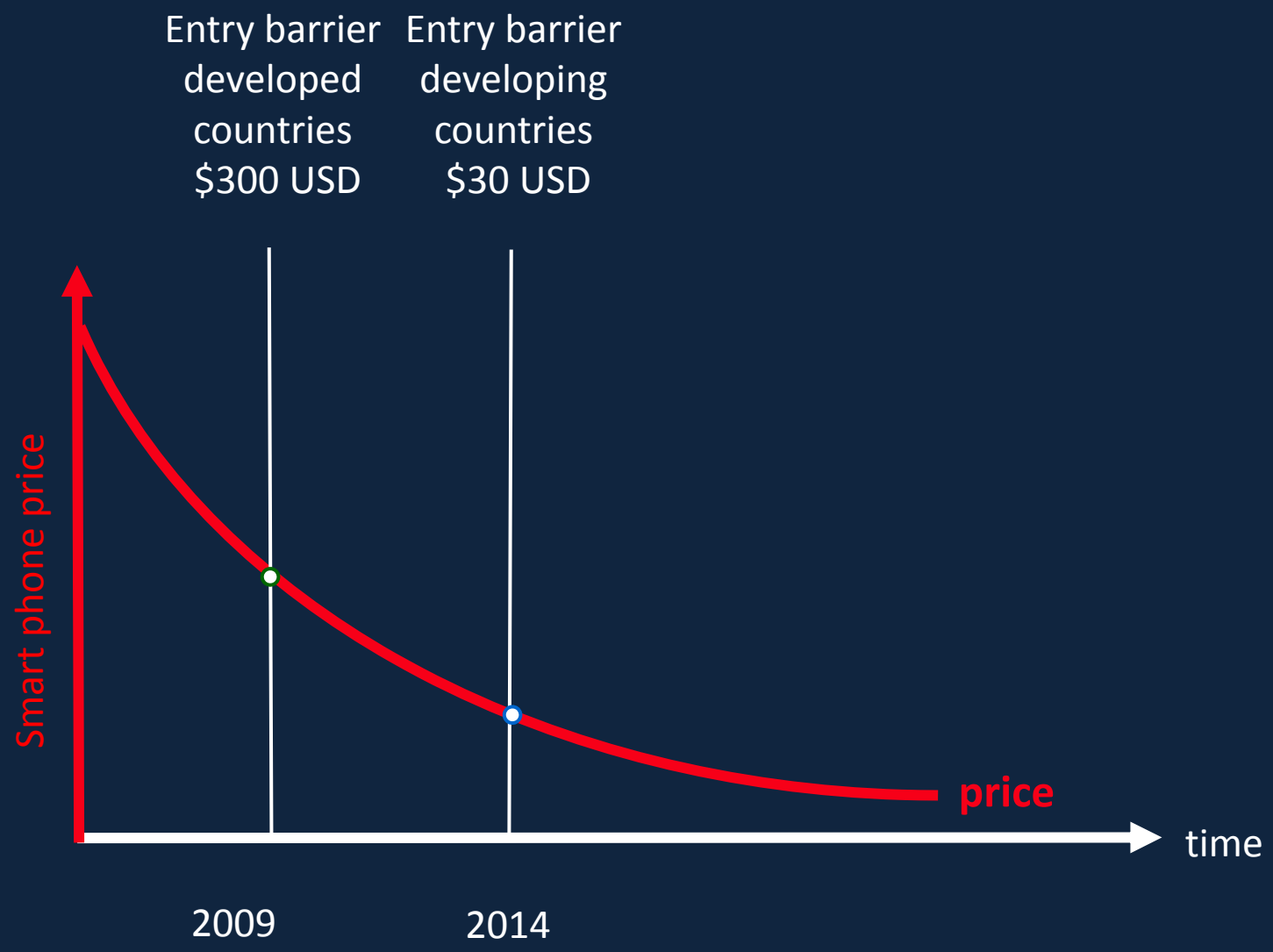
Space and time evolution of:

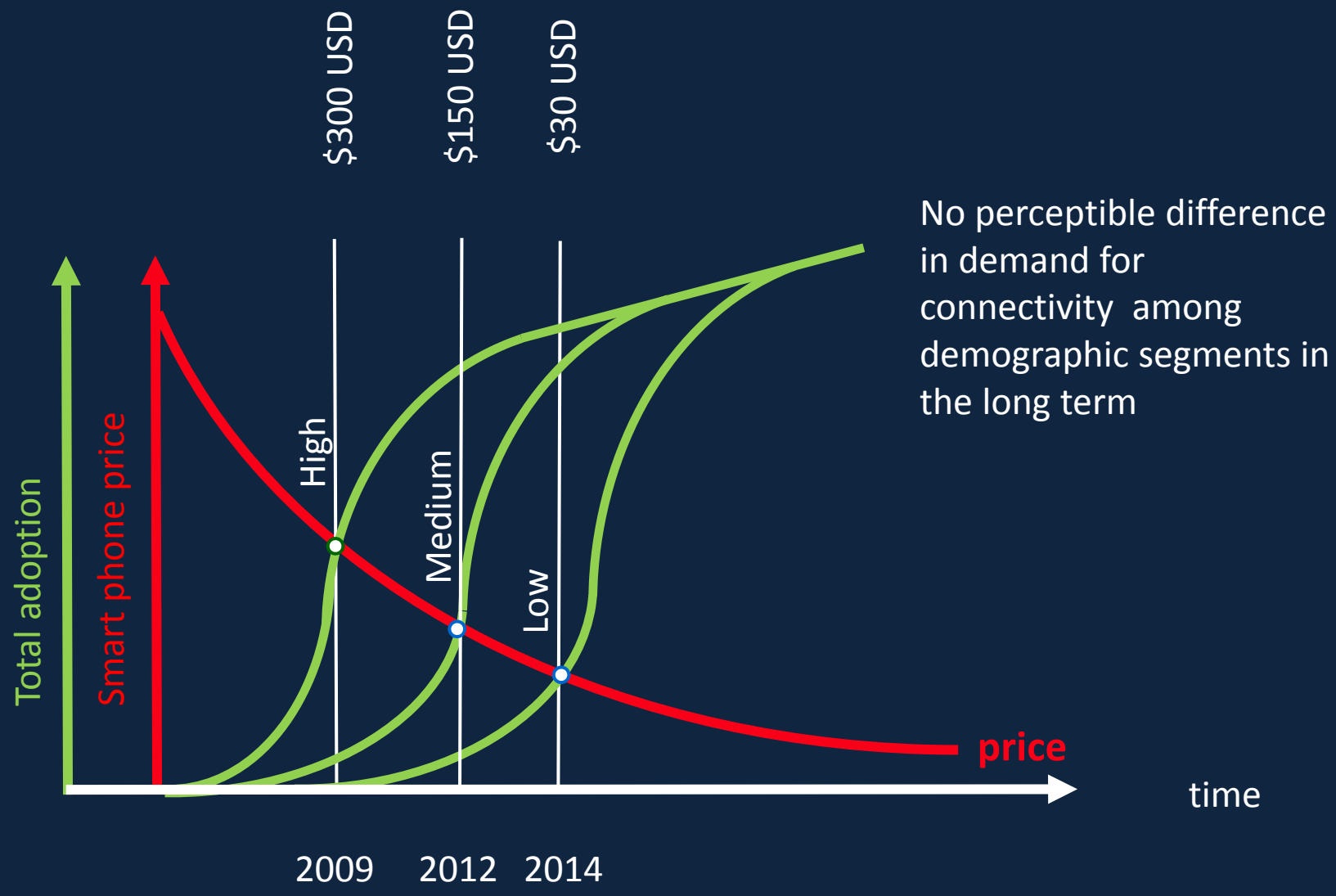
Service availability
Service profitability
Network coverage and capacity

Connectivity demand and willingness to pay

Space and time evolution of:

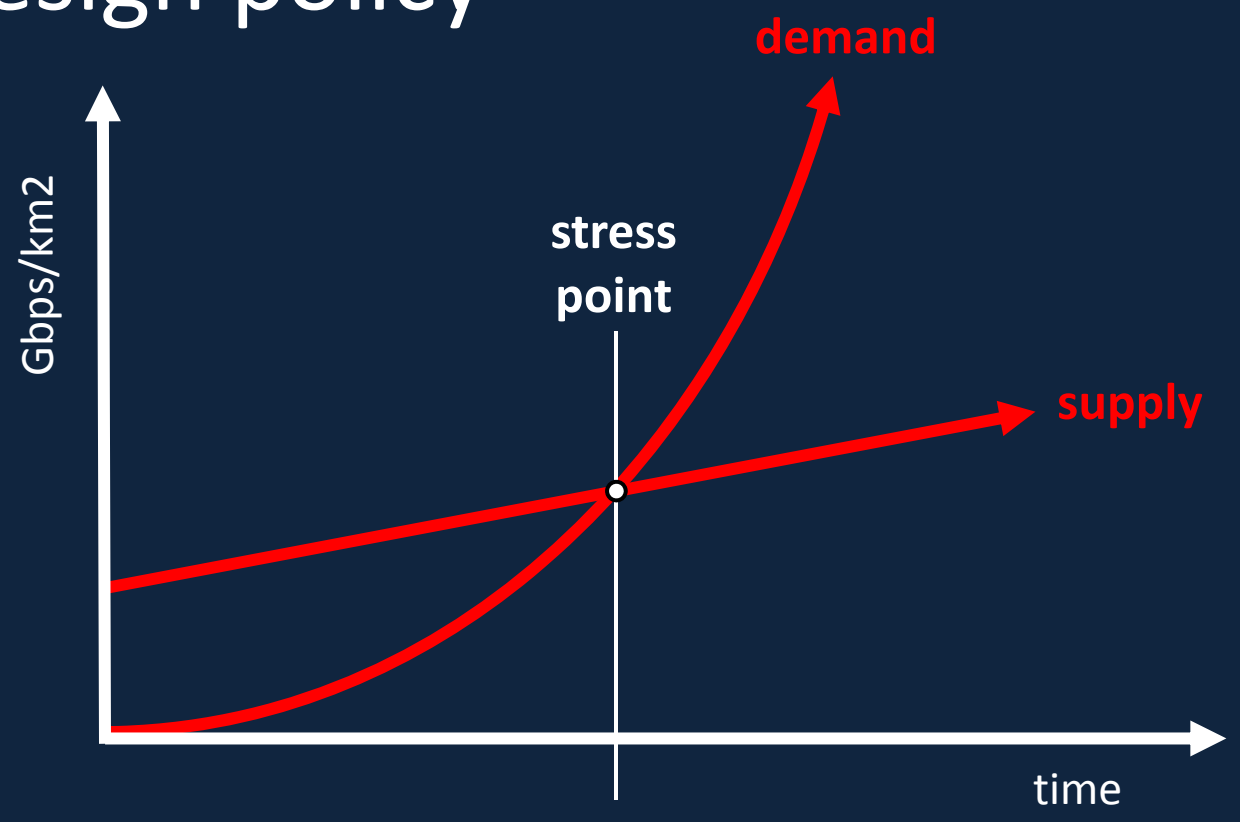
Portability: segmentation of devices
Affordability: segmentation of prices
Usability: segmentation of usages


Entry barrier developed countries $300 USD
Entry barrier developing countries $30 USD
Smart phone price
price
time
2009
2014



Low-end smartphone penetration per segment

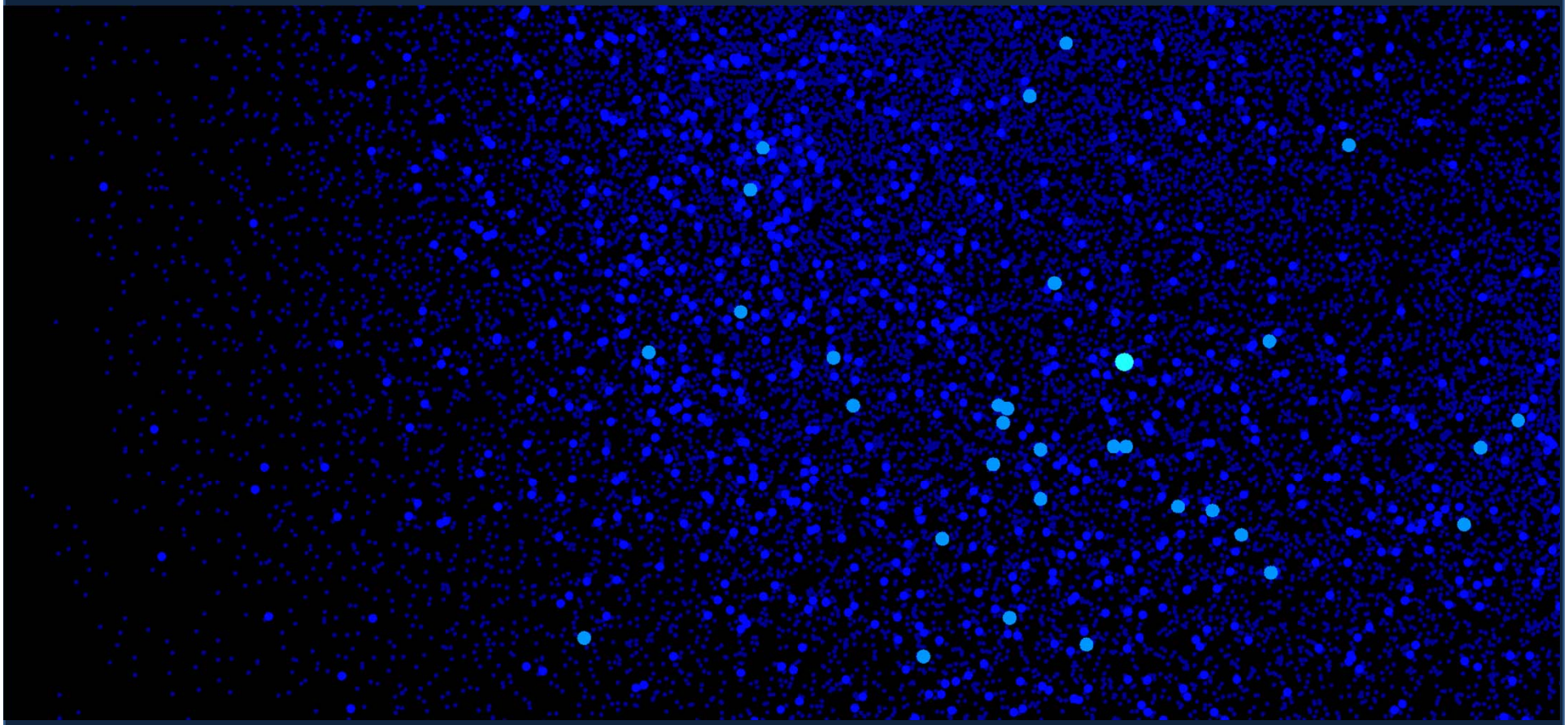
measuring access bottle necks to design policy

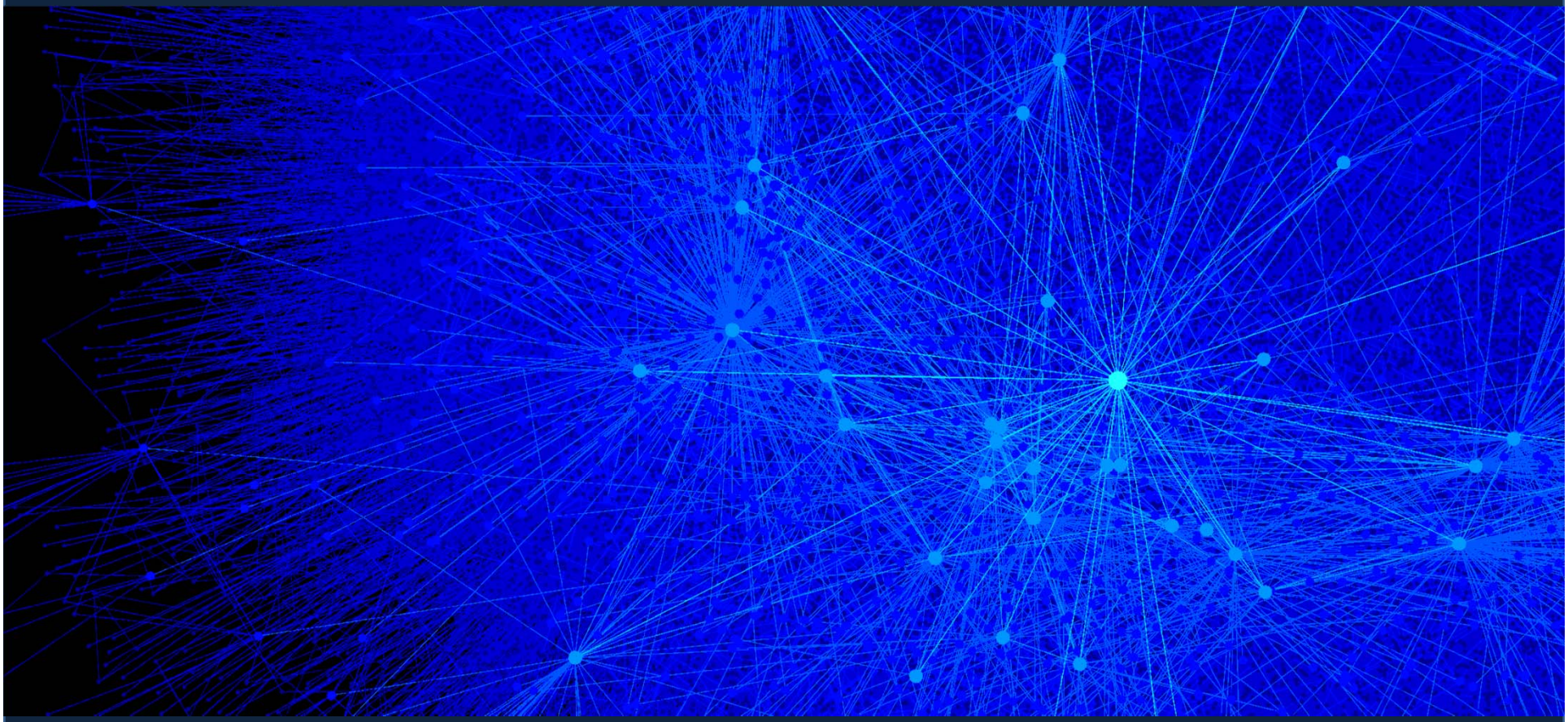


SPECTRUM

SITES

TECHNOLOGY





Reduced transactional costs
Defragmented supply and demand
Enhanced social cohesion
Neutralized undesirable market effects