



MANAGEMENT OF URBAN INFRASTRUCTURES

By the end of the course, you'll understand:

- The principles behind smart urban infrastructure
- How data and technology can optimize city services
- The challenges in deploying and managing smart city projects



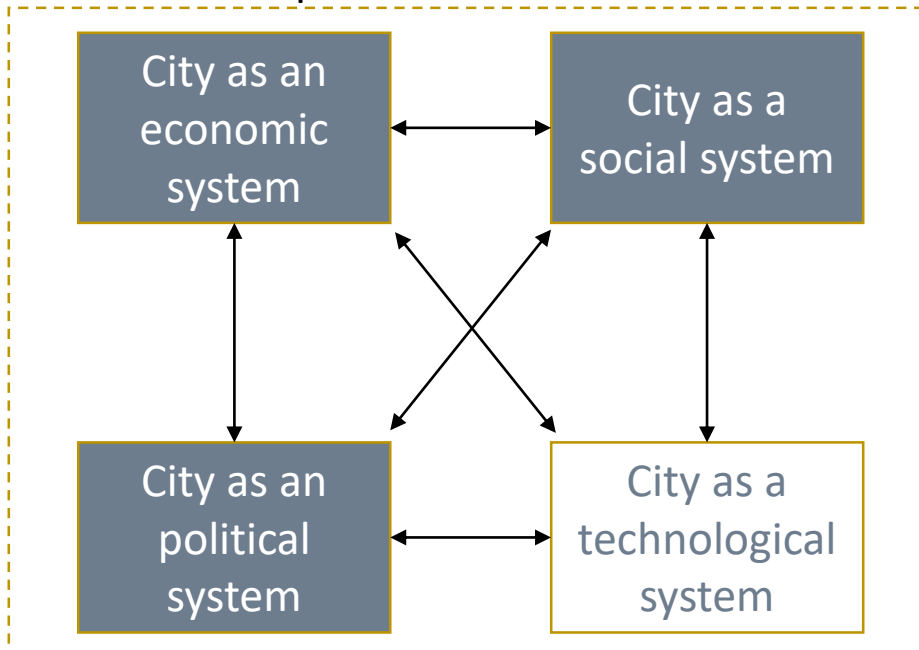
Concept - Ohio Event

**Smart Cities – Management of Smart
Urban Infrastructures**
École Polytechnique Fédérale de Lausanne

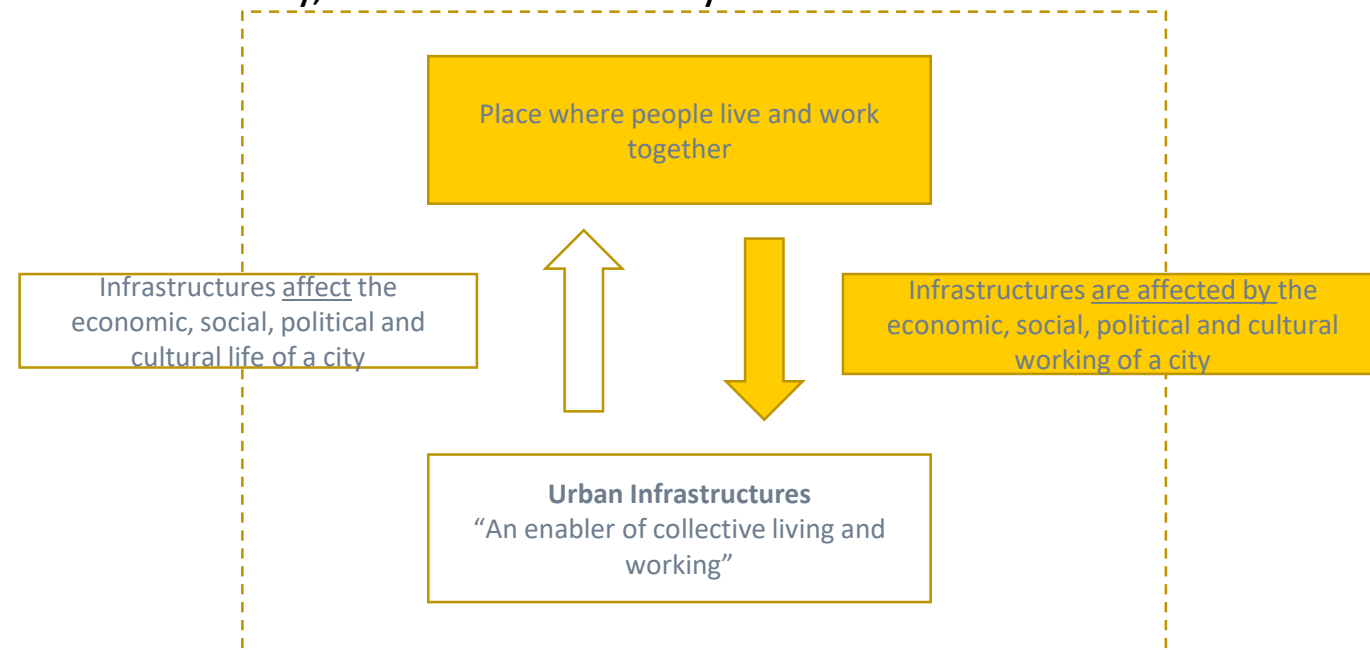


The City, a place where people live and work together

Different Perspectives



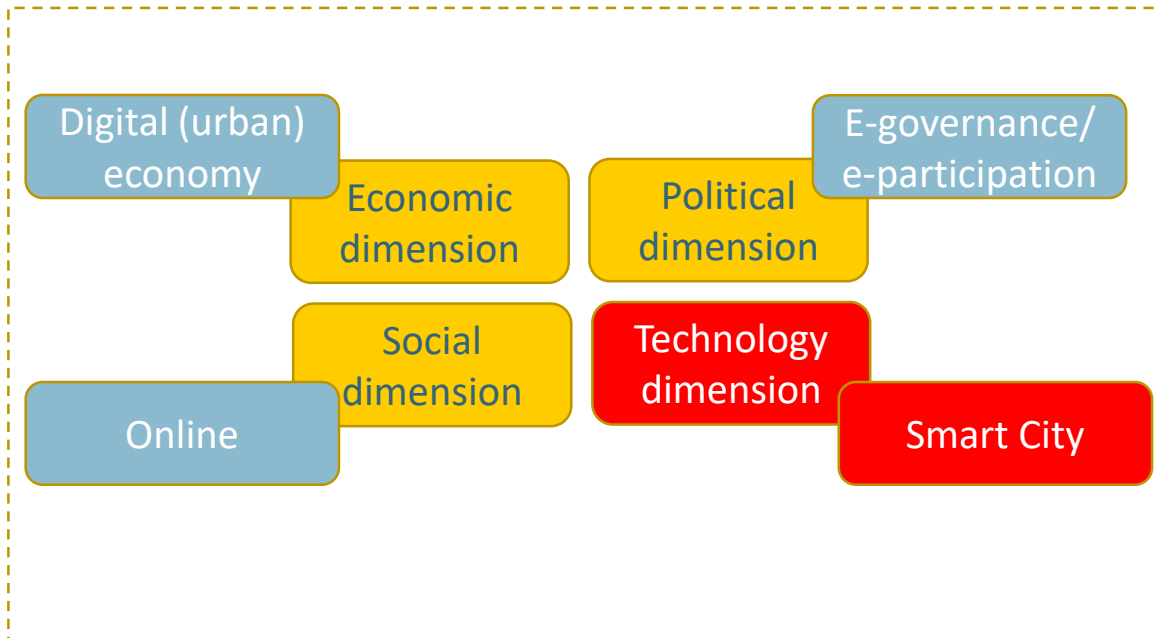
City, a Socio-Technical System



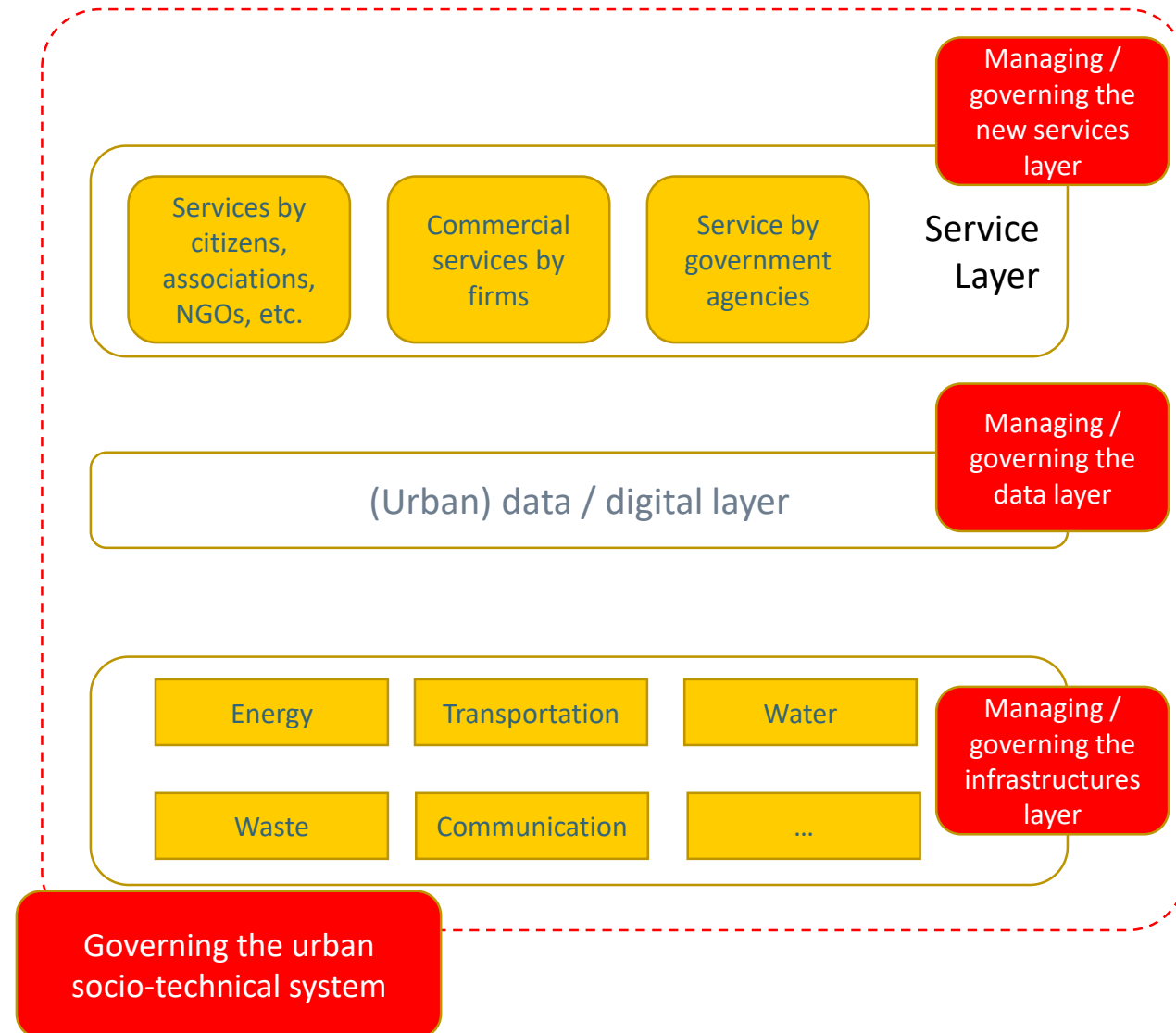
Digitization – Perspectives and New Challenges



Smart City means different things depending on your perspective

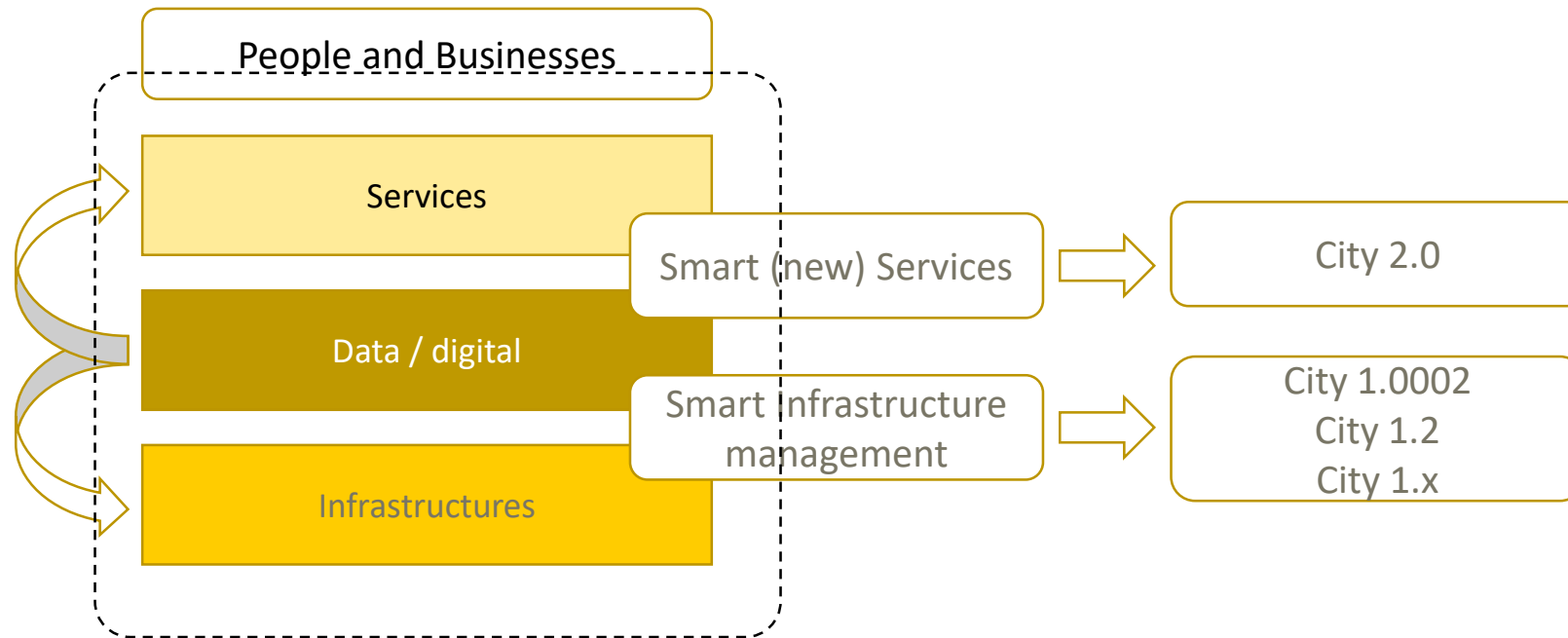


Four new challenges

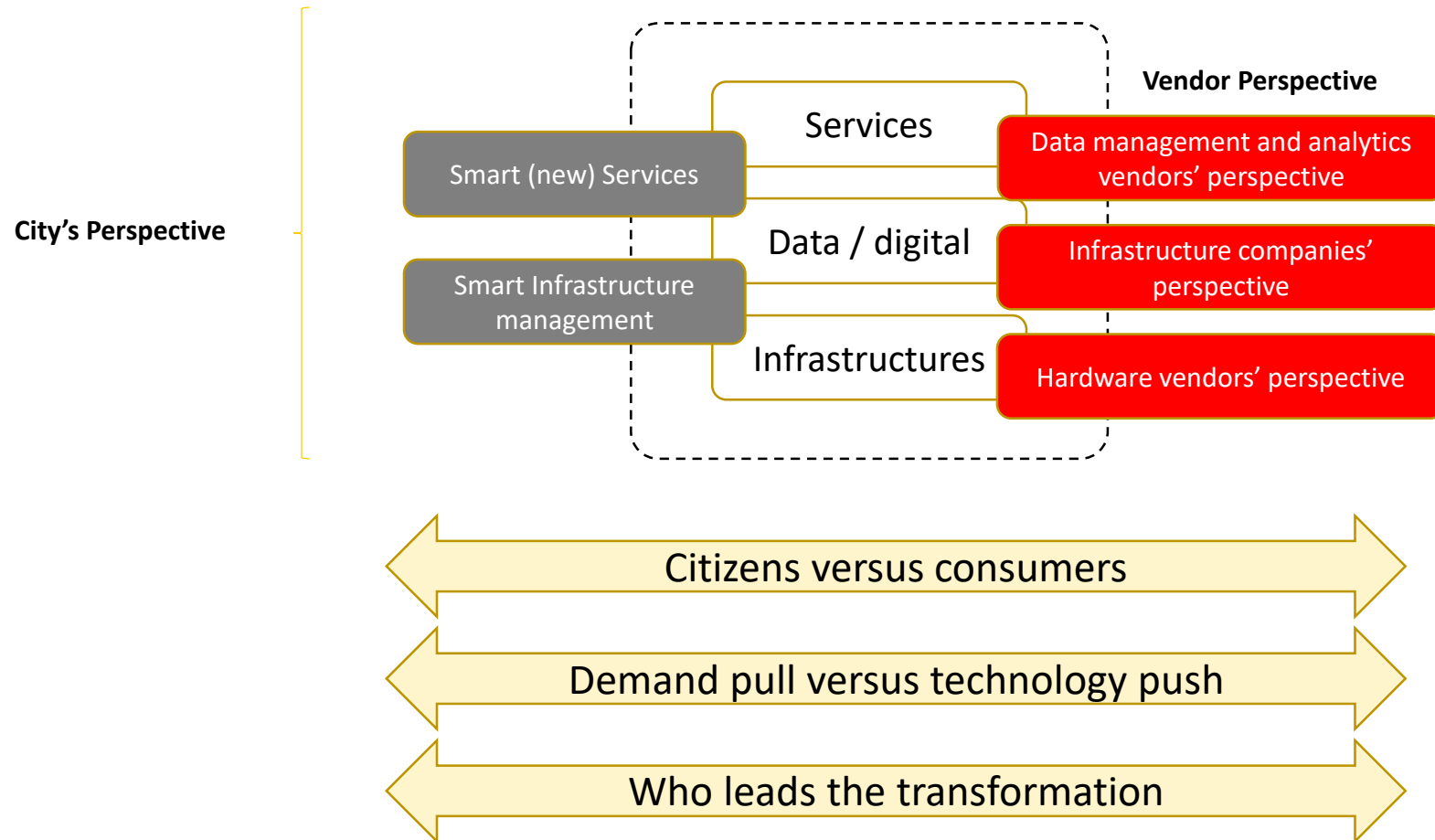




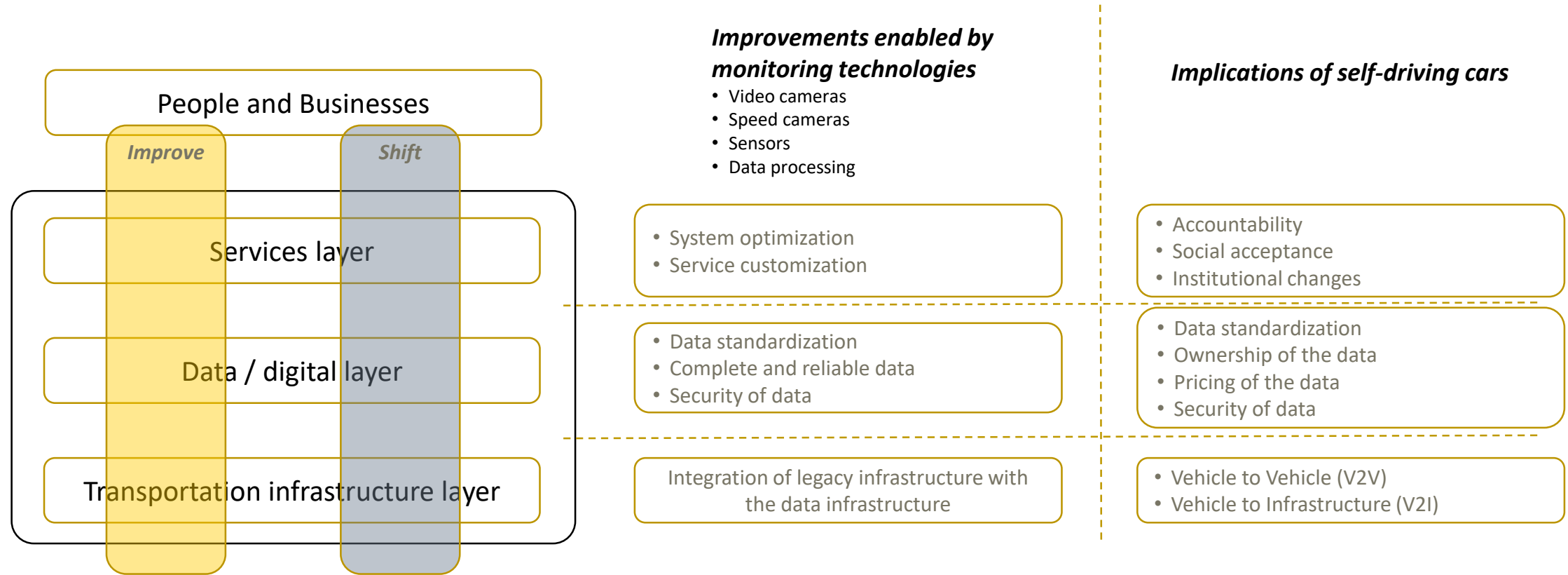
Infrastructure is essential, Services deliver the impact



Battle for control between the City and Vendors

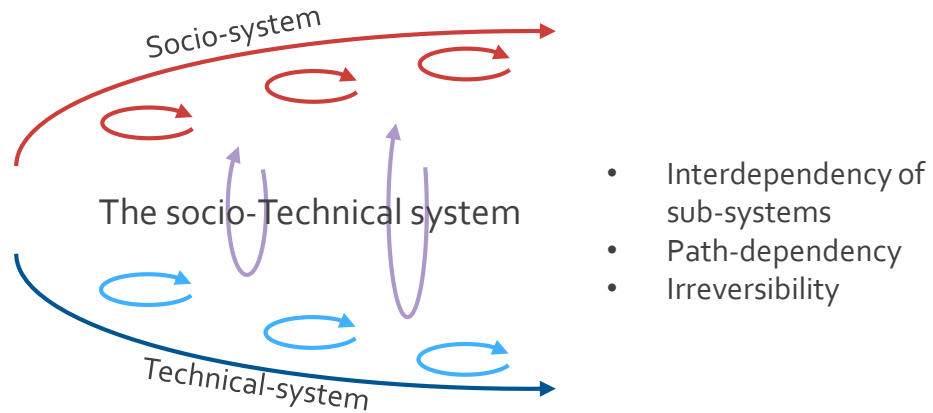


Examples

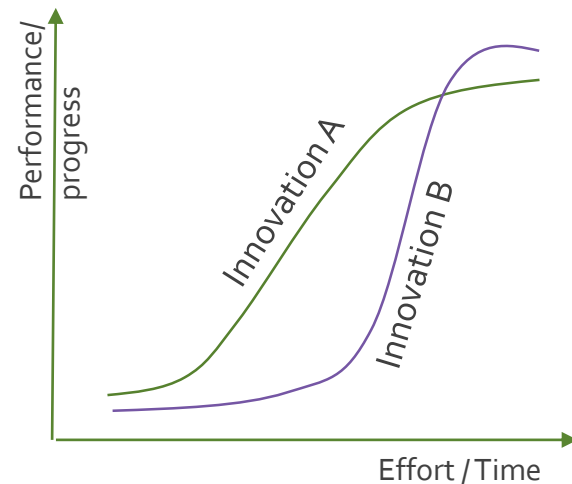


Transition is Complex

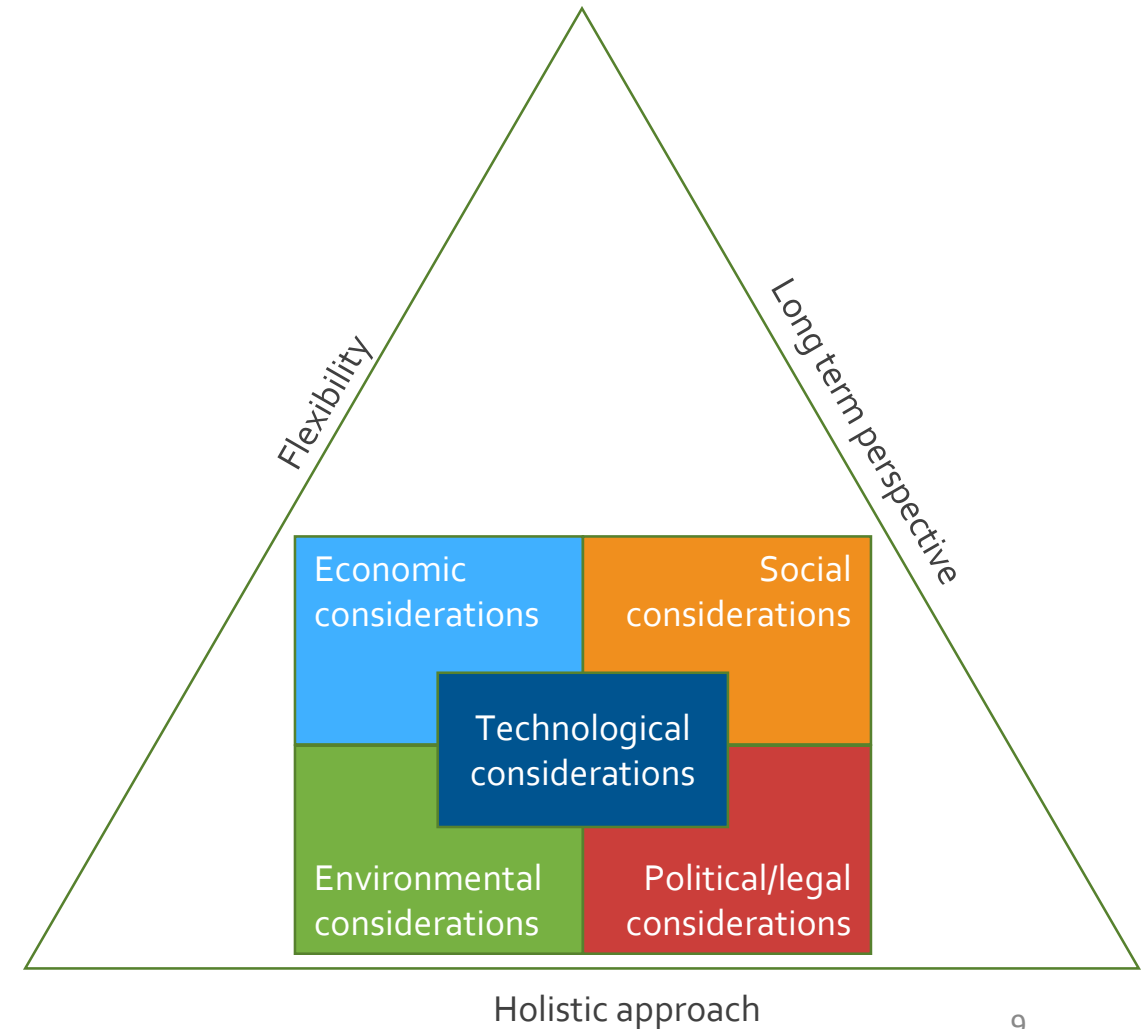
Feedback loops > Complexity



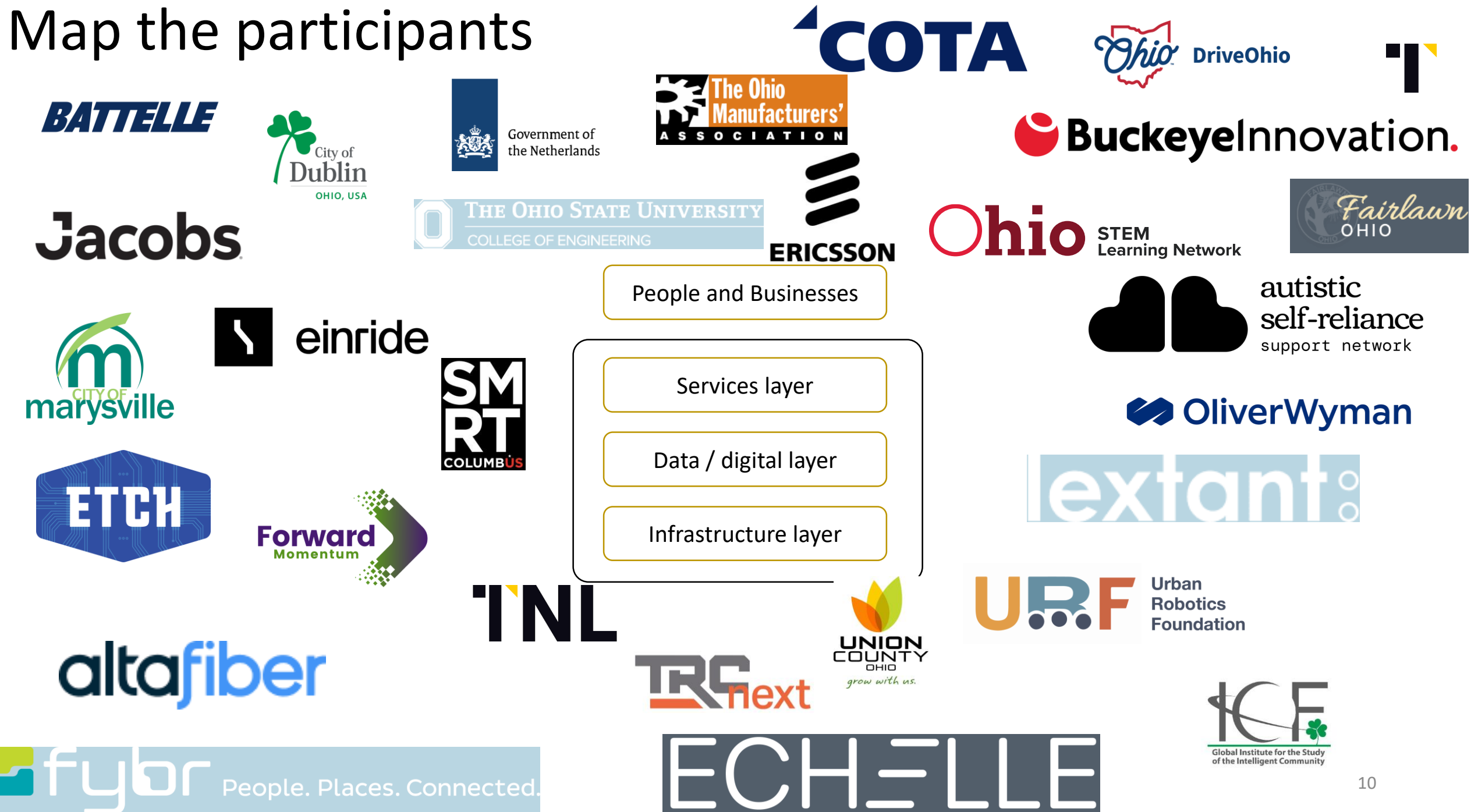
Path-dependency <> Long-term perspective



Transition Triangle



Map the participants



Redefining **solutions**

TNL