

ERA and the Digitalisation of Railways

Introduction



Fiesole, 03.05.2016

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Don't End Up in the Railway Museum



Railway
MUSEUM



uberize

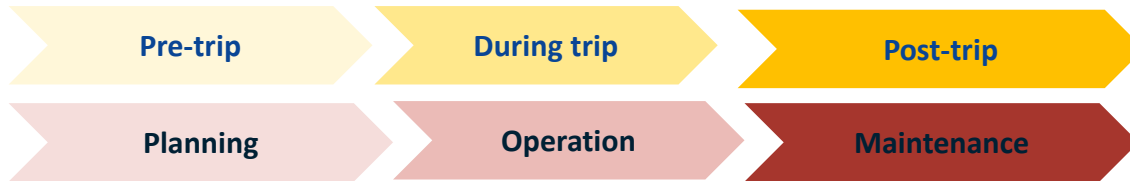
Verb [[edit](#)]

uberize (*third-person singular simple present **uberizes**, present participle **uberizing**, simple past and past participle **uberized***)

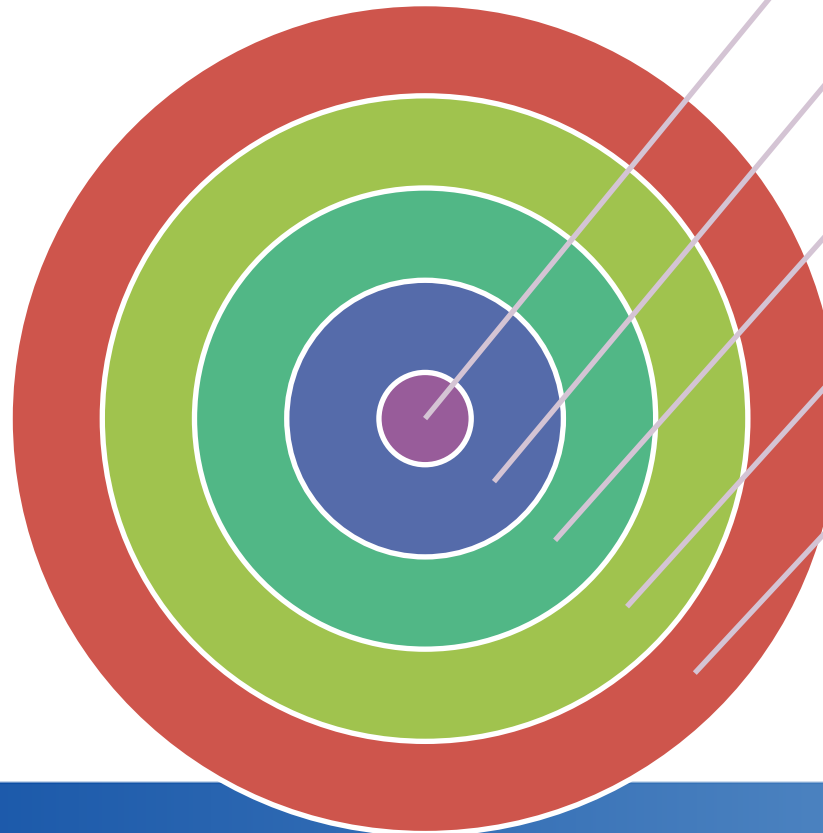
1. (*economics*) To modify a market or economic model by the introduction of a cheap and efficient alternative

Digital – Challenges and Opportunities

"Data enabled railway"



... applied to processes across the entire value chain (passengers and freight)



"Digital" = change in mindset, towards more agility

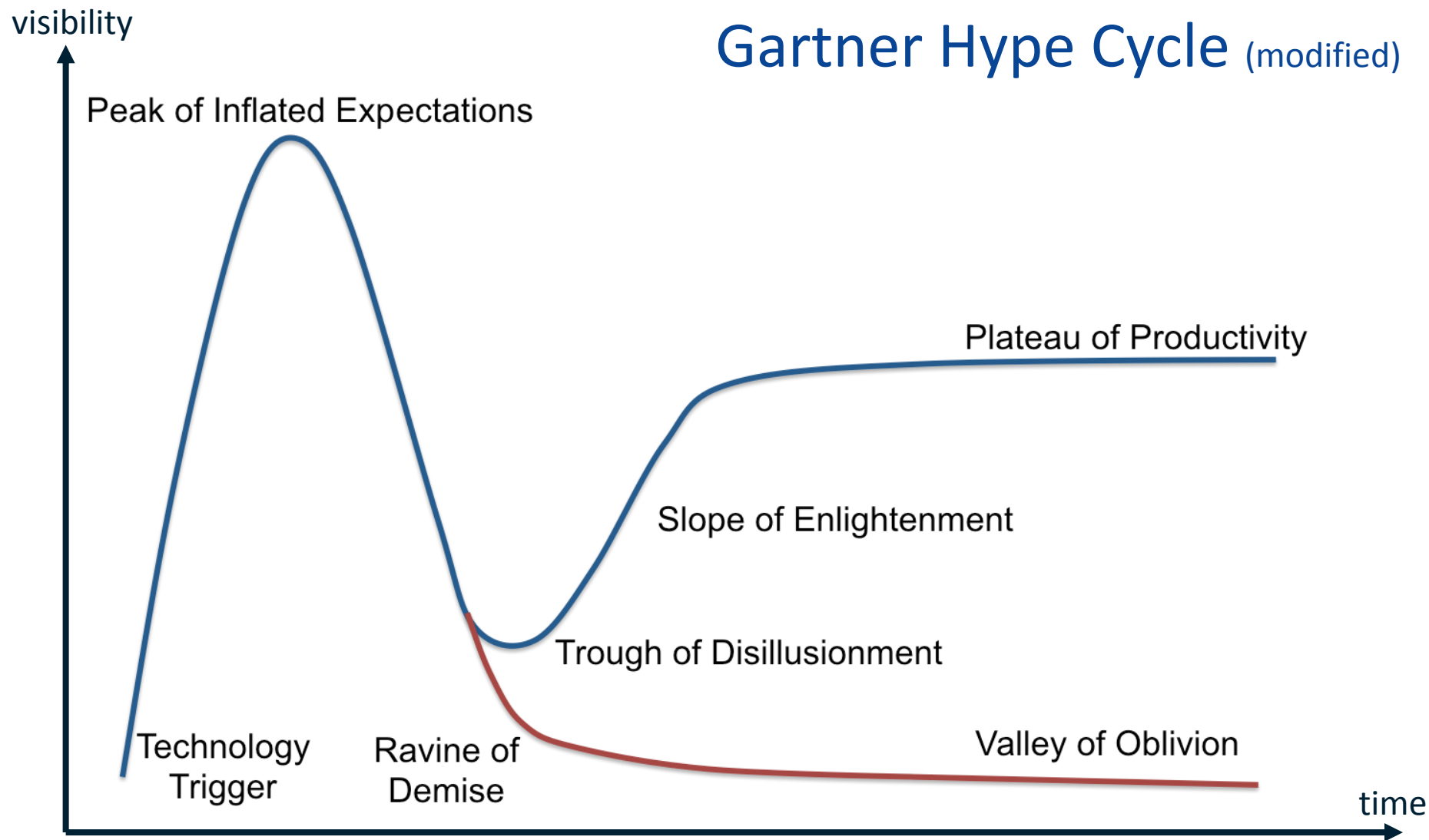
"Future proof" solutions vs. backward compatibility

Data interoperability (format, protocols, etc.)

Data integrity, reliability, availability, maintenance –

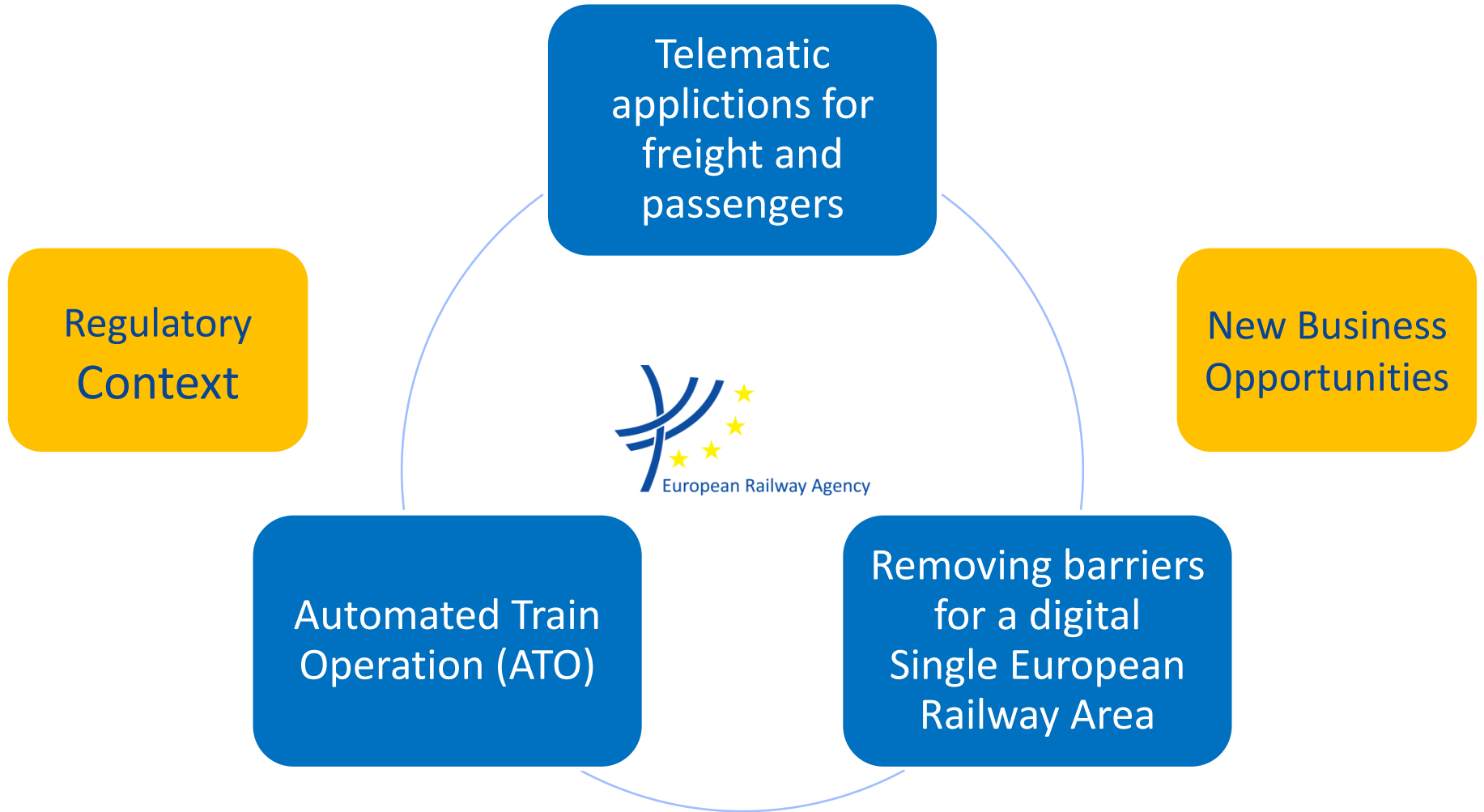
Liability issues

Gartner Hype Cycle (modified)



Digital Railways in Europe

- **Some European railway undertakings are investing heavily in digitalization**
- **Many customer-focused developments are underway**
- **The focus is on company use and not on a wider strategic agenda**



Making the railway system work better for society.

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