



Regional Seminar on the Digital Disruption in the
Creative Economy: A Multifaceted Challenge with Great
Potential

Singapore, September 3 and 4, 2018

Topic 1: Setting the Tone: How Did We Get Here?

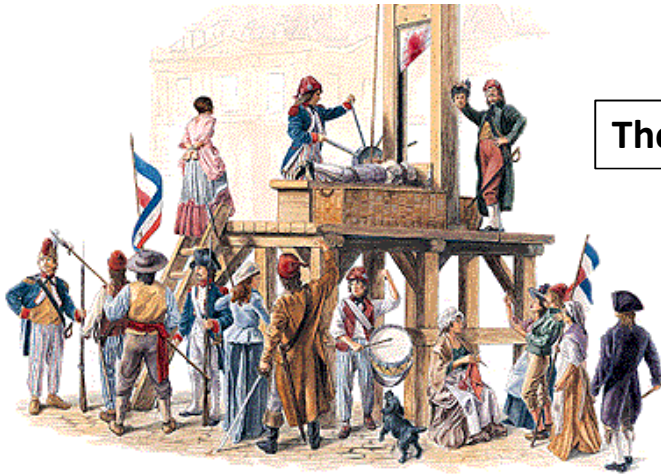
Revolutions



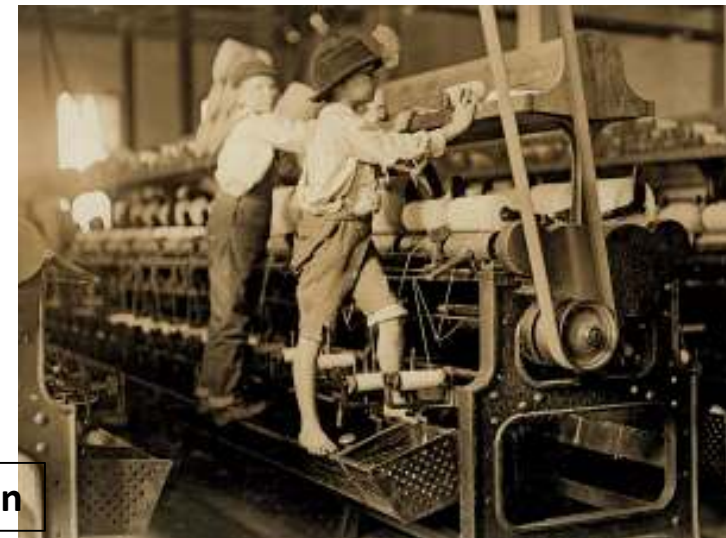
The Copernican Revolution



The Scientific Revolution

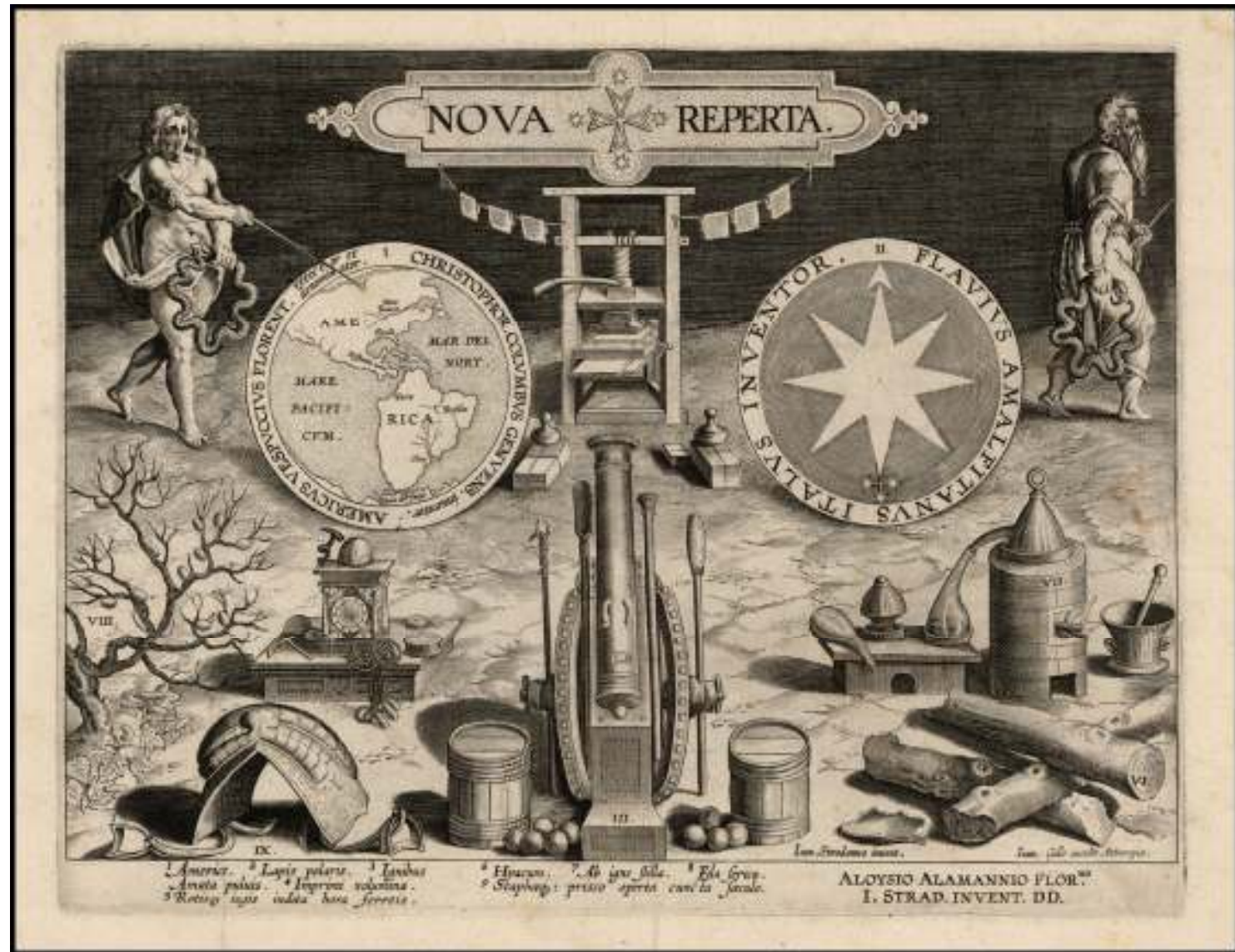


The French Revolution



The Industrial Revolution

Discovery & Inventions



Inventions and Innovations I



Air conditioning. Air conditioning was a most important invention for us, perhaps one of the signal inventions of history. It changed the nature of civilization by making development possible in the tropics.

Without air conditioning you can work only in the cool early-morning hours or at dusk. The first thing I did upon becoming prime minister was to install air conditioners in buildings where the civil service worked. This was key to public efficiency.

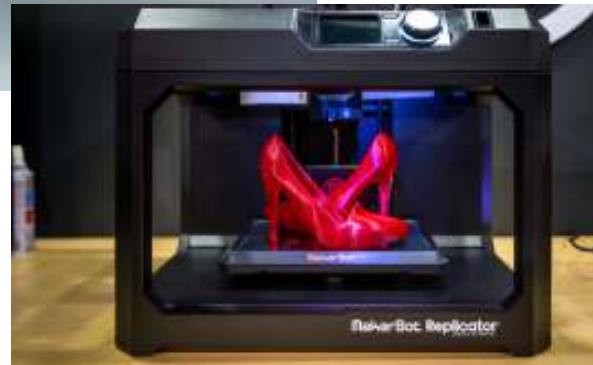
Lee Kuan Yew



Inventions and Innovations II



Artificial Intelligence (AI)



The Fourth Industrial Revolution

- **Artificial Intelligence**
- **Robotics**
- **The Internet of Things**
- **Autonomous Vehicles**
- **3D Printing**
- **Nanotechnology**
- **Biotechnology**
- **Materials Science**
- **Energy Storage**
- **Quantum Computing**



- **Velocity:** evolution at exponential, not linear pace;
- **Breadth & Depth:** builds on the digital revolution to combine multiple technologies leading to paradigm shifts in the economy, business, society and individuality;
- **Systems Impact:** transformation of entire systems across (and within) countries, companies, industries and society as a whole

Klaus Schwab

The Digital Revolution



Copyright Challenges

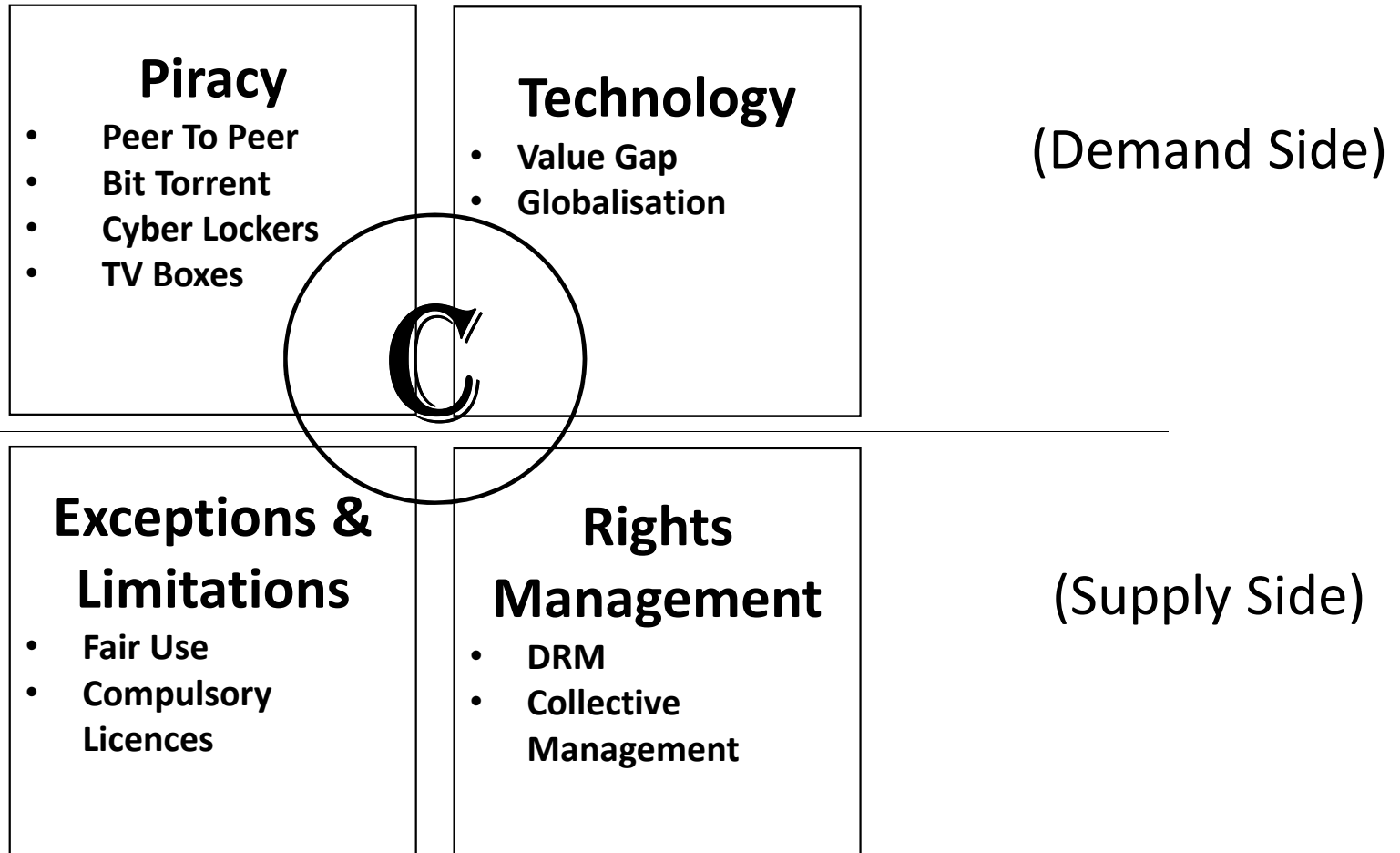
Devices



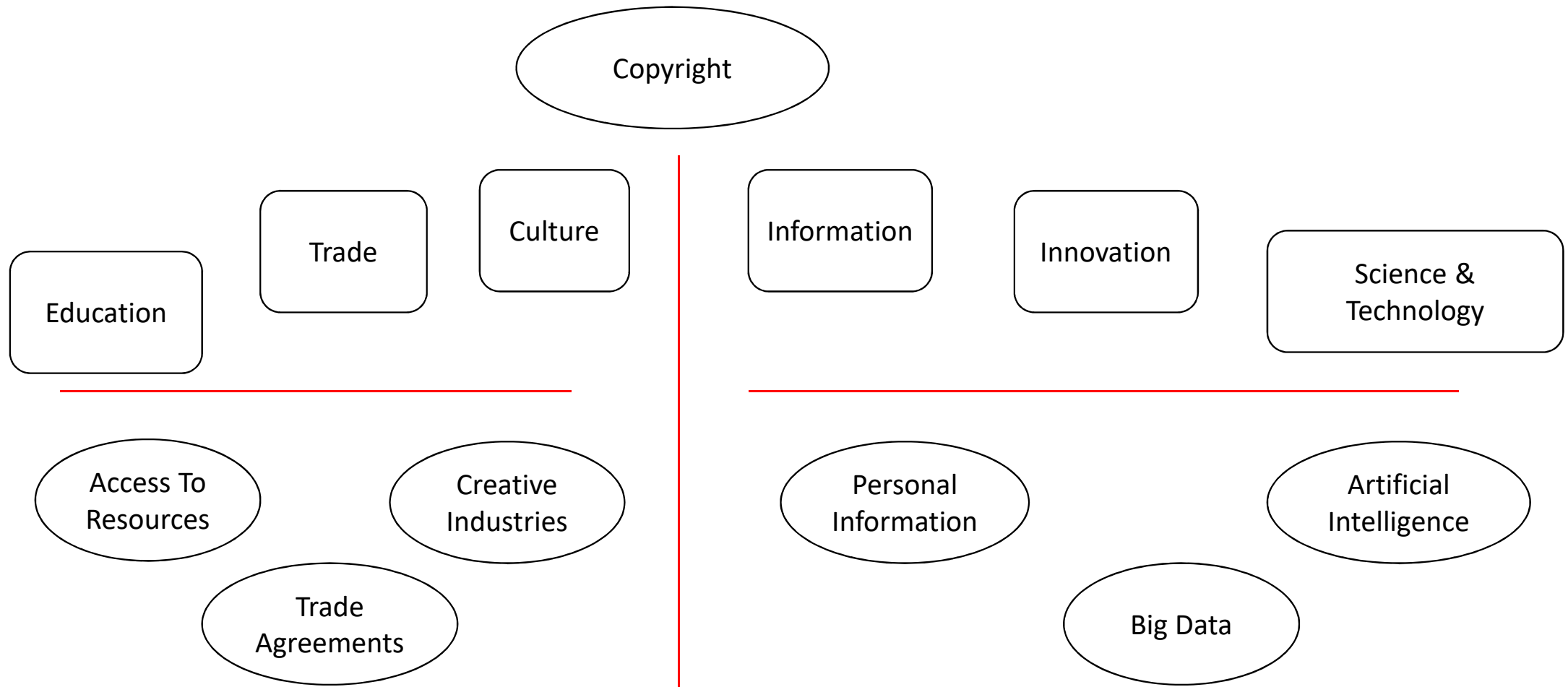
Services



Copyright Issues



Copyright Policy



Dominance of Intellectual Property



Conclusions

- The role of Copyright is essential to a nation's economic and cultural policy
- The importance of copyright is growing exponentially
- The functions of Copyright are key drivers of creativity and innovation
- Copyright Policy and Regulation has a fundamental part to play in the development of society

