

En Route to Value-Driven  
Big Data Deployments  
in Road Transport



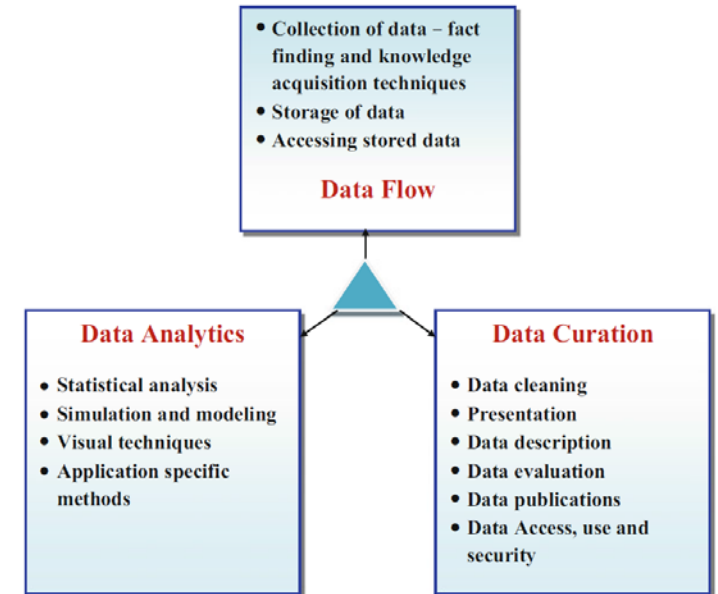
**Conference Talk** | Belgian Road Congress 2022 | 7 April 2022 | **Rajendra Akerkar**

WESTERN NORWAY RESEARCH INSTITUTE  
**VESTLANDSFORSKING**

# Asset Management








- A data driven process
- The data is key
  - preserving physical assets
  - addressing safety



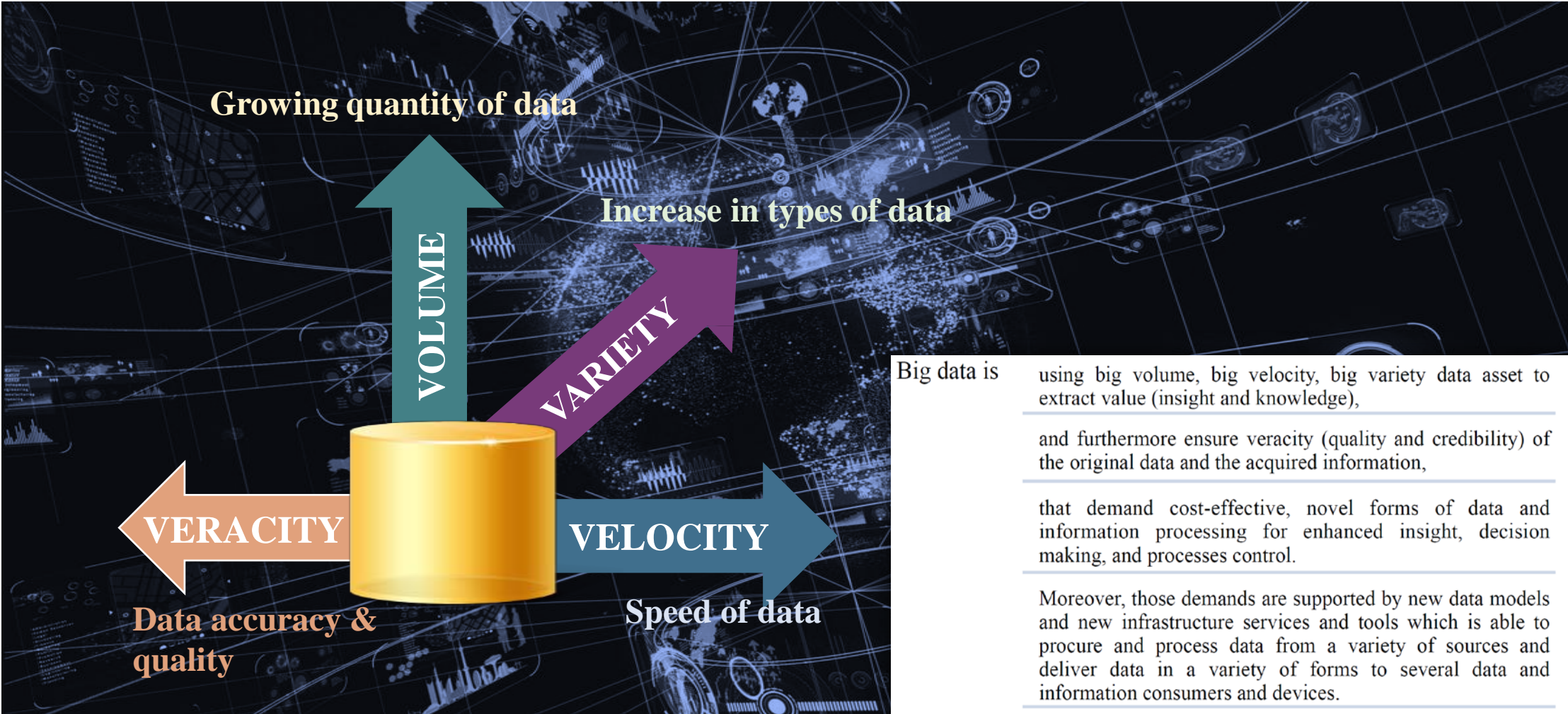
# Big Data



-  SCALE
-  TECHNOLOGY
-  SILOS
-  SKILL GAP
-  INFRASTRUCTURE



# Big Data



Big data is using big volume, big velocity, big variety data asset to extract value (insight and knowledge), and furthermore ensure veracity (quality and credibility) of the original data and the acquired information, that demand cost-effective, novel forms of data and information processing for enhanced insight, decision making, and processes control.

Moreover, those demands are supported by new data models and new infrastructure services and tools which is able to procure and process data from a variety of sources and deliver data in a variety of forms to several data and information consumers and devices.

# Data Sharing



European Commission

Shaping Europe's digital future

Home > News & Views >

Commission welcomes political agreement to boost data sharing and support European data spaces

PRESS RELEASE | Publication 01 December 2021

### Commission welcomes political agreement to boost data sharing and support European data spaces



European Commission

Home > Press corner > Data Act: measures for a fair and innovative data economy

Available languages: English

Press release | 23 February 2022 | Brussels

### Data Act: Commission proposes measures for a fair and innovative data economy














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Today, the Commission proposes new rules on who can use and access data generated in the EU across all economic sectors. The Data Act will ensure fairness in the digital environment, stimulate a competitive data market, open opportunities for data-driven innovation and make data more accessible for all. It will lead to new, innovative services and more competitive prices for aftermarket services and repairs of connected objects. This last horizontal building block of the Commission's data strategy will play a key role in the digital transformation, in line with the 2030 digital objectives.



# Legal Issues

Privacy & Data Protection 	(Cyber)-Security 	Breach-related obligations 	Anonymisation & Pseudonymisation 
Supply of Digital Content & Services 	Free Flow of Data 	Intellectual Property Rights 	Open Data 
Data Sharing Obligations 	Data Ownership 	Data Sharing Agreements 	Liability 
Competition 			

Source: <https://lemo-h2020.eu/>

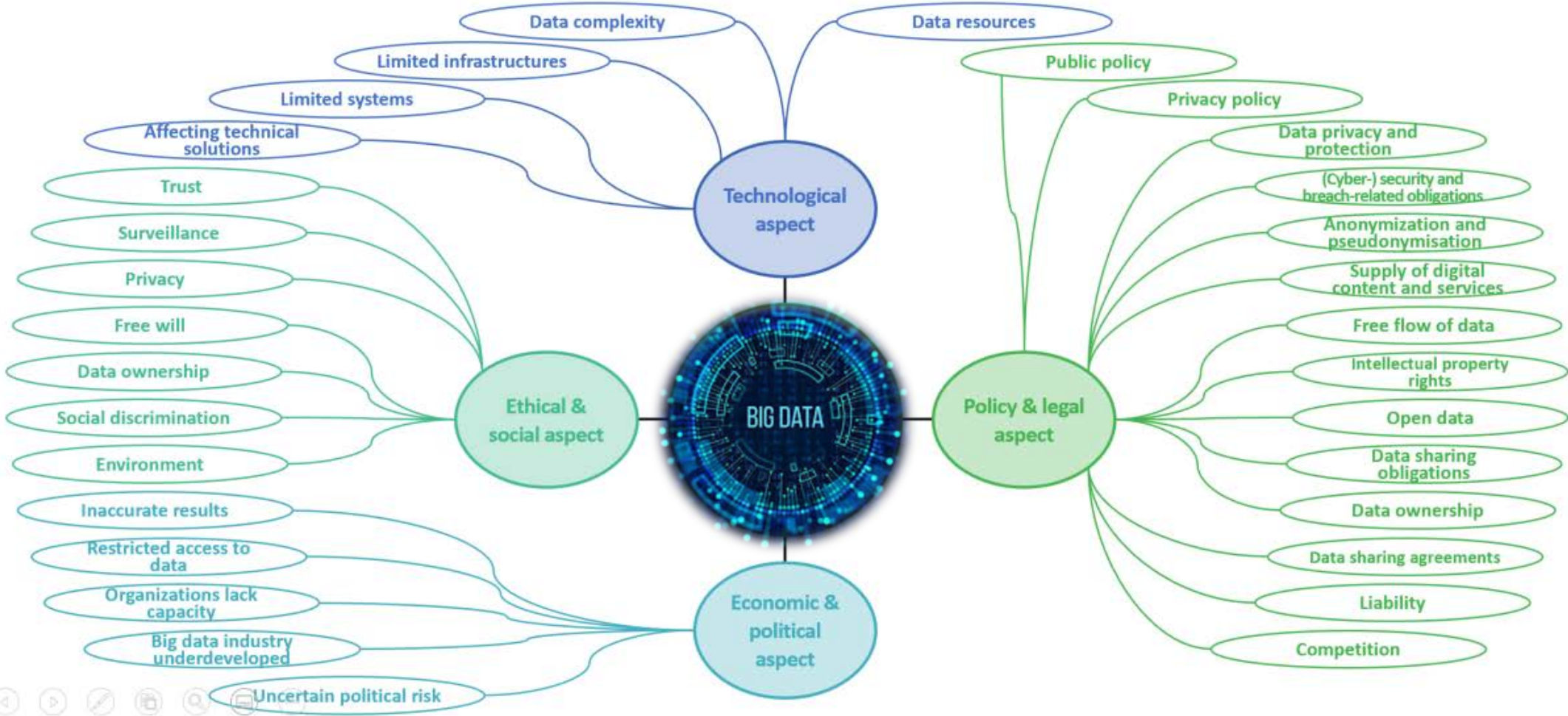
# Ethical and Societal Issues



Source: <https://lemo-h2020.eu/>

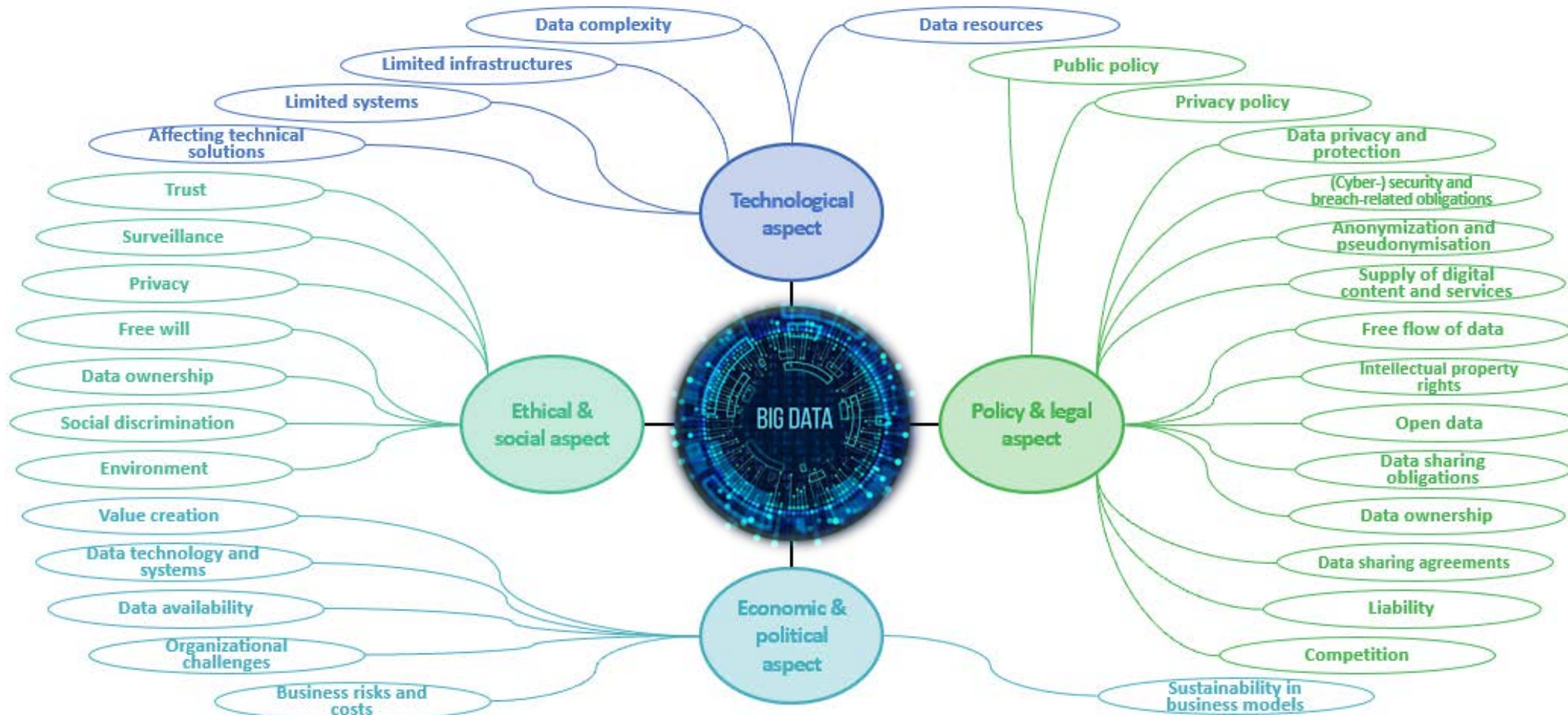


# Barriers

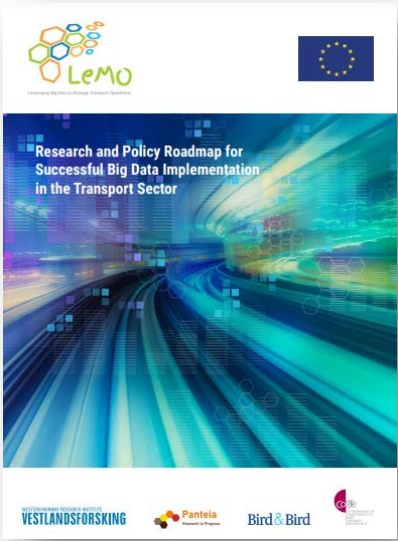
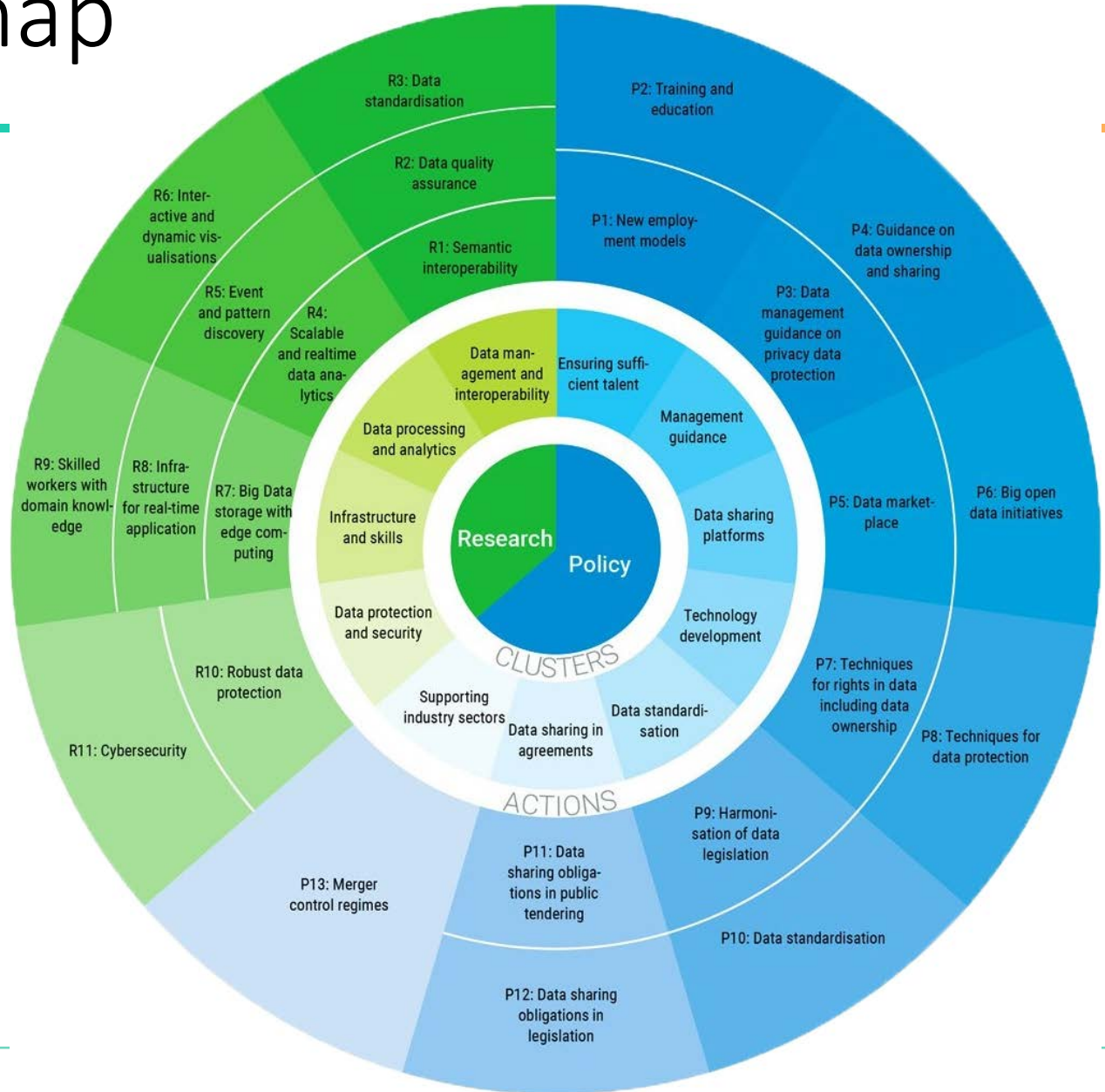




# Opportunities

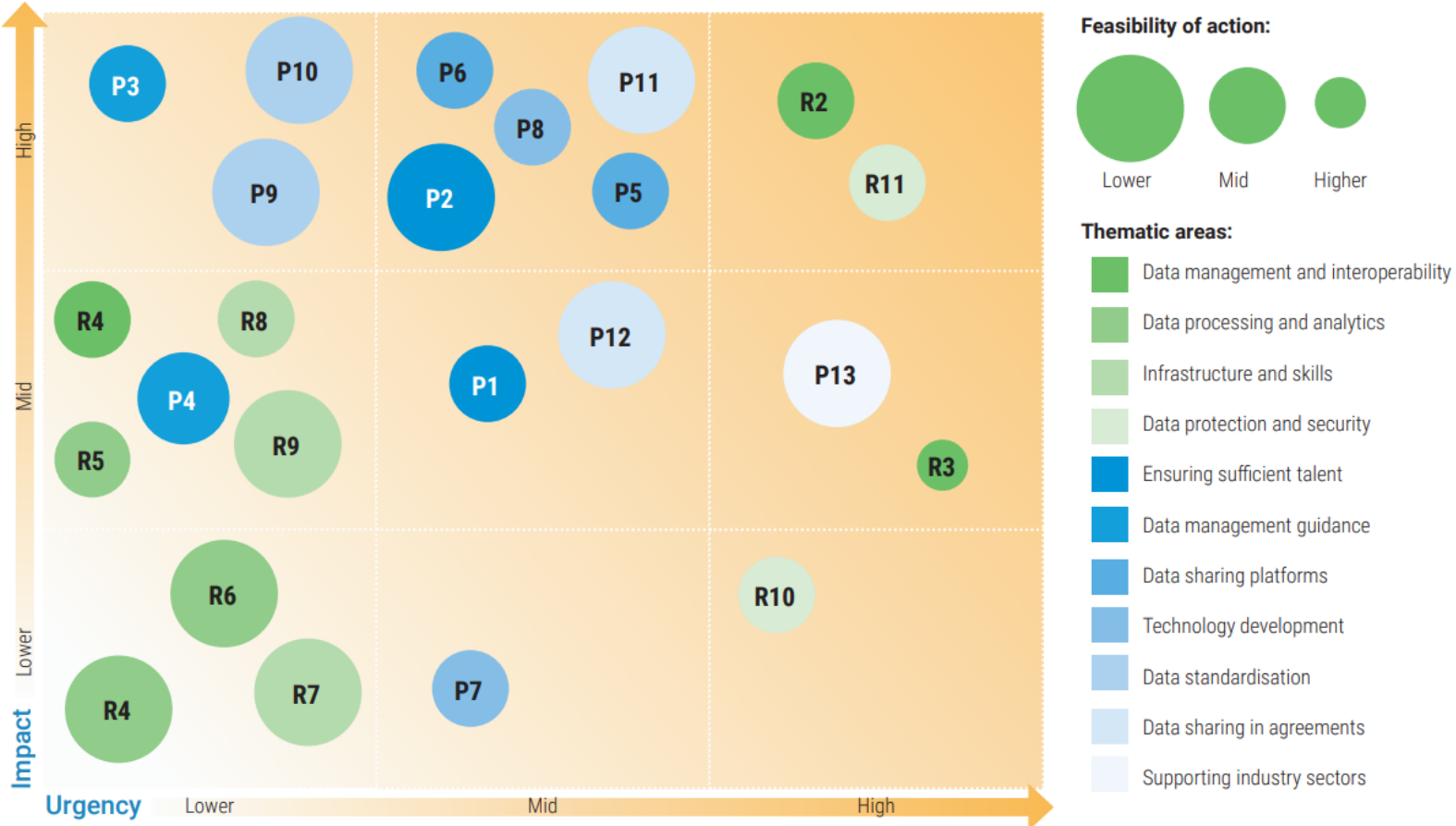


# Roadmap



Source: <https://lemo-h2020.eu/s/D44-LeMO-Roadmap-research-and-policy-recommendations-version-2-Final.pdf>

# Rating of the Roadmap Actions





Thank you!



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