

# What Are the Benefits of Data Sharing?

Uniting Supply Chain and Platform Economy Perspectives

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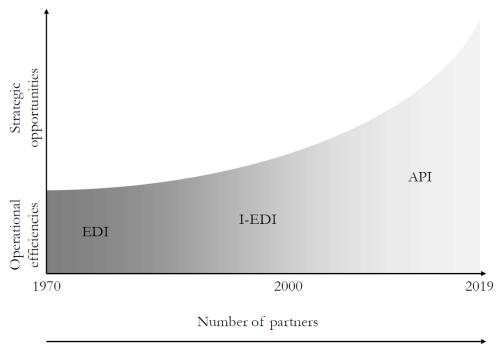
# How has data sharing emerged between companies?

# What types of benefits have companies reached by sharing data?





### Transformation: How has data sharing emerged between companies?







### Data sharing is a common business practice for 49% of companies





### **Typology of Data Platforms**

### Propriatory data (Company)

Company internal use only data repository. Access to data maintaned by the company

### Inner circle data (Platform)

 Shared data repositories. Access to data maintained collectively with boundary resources.

### Distributed data (Industry)

 Controlled by a third-party actor. Shared practices and technology to access and share information.

### Open data (Open)

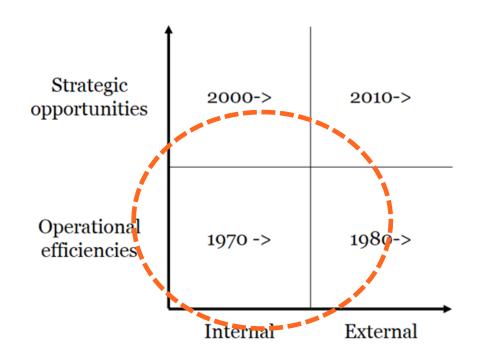
 Distributed, accessible by publicly auditable rules. Programmable interfaces as a key boundary resource.

Source: Rajala, Hakanen, Mattila, Seppälä & Westerlund, 2018





### Transformation: Categorization of identified data-related benefits



Operational perspective of data sharing benefits well understood by the companies.





### From Supply Chains to Platforms

- Operational Data Sharing
  - (e.g. Operations and Research & Development data)

- NEW: Markets Data Sharing (Customer)
  - (e.g. Customer data)





### **Markets Data Sharing**

### **Key Drivers:**

1. The Fragmentation of Customer Requirements

2. Opportunity for new types of (mostly unknown) externalities

Source: Seppälä, Niemi, Pajarinen, Lähteenmäki & Mattila, Forthcoming, 2019





# Model terms of the technology industries for data sharing

- Propriatory information
- Confidential information
- Distributed information
- Open information

Model terms of the Technology industries for data sharing



### OBJECTIVE

The significance of data to the economy has increased during the last years and the growth continues to accelerate. Established practices for agreeing on the rights of the use of information or data are yet to develop, and the rights to data are usually agreed between the companies, for example, in confidentiality or intellectual property clauses of the agreement.

The objective of the model terms of the Technology industries for data sharing is to promote the utilisation of data within companies, and to support the development of practices and business based on data. For this purpose, the objective is:

- To bring the use of data openly to negotiations between companies. When the use of data is subject to
- clear legal provisions, it can be utilised efficiently.

  To develop practices around agreements concerning the use of data. Model terms can be used to shorten negotiation times and facilitate agreement of data usage so that the agreements will promote efficient use of data.
- Model terms can also be used to encourage companies to better recognise the value of their own data and develop partnerships that further promote the use of data in business development.

### CONDITIONS FOR DATA SHARING

### Analysis of da

Companies possess various kinds of data. One way to observe data and data sharing possibilities is to divide it into different categories based on the level of confidence and economic significance. Trade secret legislation requires the recognition and protection of trade secrets as a prerequisite for legal protection. The same recognition of the significance of the data can and should be extended to all data.

### 1 Proprietary information

Trade secrets, financial data, process data and other data which have key importance to the business of a company. Processing of such data is strictly limited within the company and it is not troically shared outside the company.

### 2 Confidential information

Information which has key importance to the products and processes of the company, but which is also affected by the results and possibly the information received by the results and possibly the information received the results and possibly the information received the results and possibly the information received the results of the r

### 3 Decentralised information

Information possessed by the company that is generic and possibly possessed by other companies in the same industry. This category does not include any significant trade secrets or key information of the business that could create a competitive advantage for the company.

### 4 Open information

The information possessed by the company that can be shared with anyone, for example to promote innovations and gain partnerships.

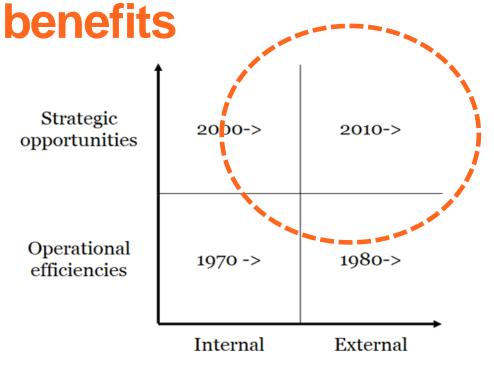
Source: Teknologiateollisuus, 2019





### **Transformation:**

Categorization of identified data-related



Strategic perspective of data sharing opportunities are not understood by the companies.





## Why companies are not moving forward?

The tools for evaluating the value capture of new types of externalities is missing from widely accepted business case valuation methods.







# What are your data sharing and categorization strategies?



# What type of data resources (information resources) can companies treat as proprietary, confidential, distributed or as open?

