

NOESIS

*Novel Decision Support tool for Evaluating Strategic Big Data Investments in
Transport and Intelligent Mobility Services*

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"It appears your big data is getting lost in your ginormous data."

The problem

Lack of a robust methodology for understanding and predicting the potential value and benefits generated from big data applications in transport against the associated investment risks.

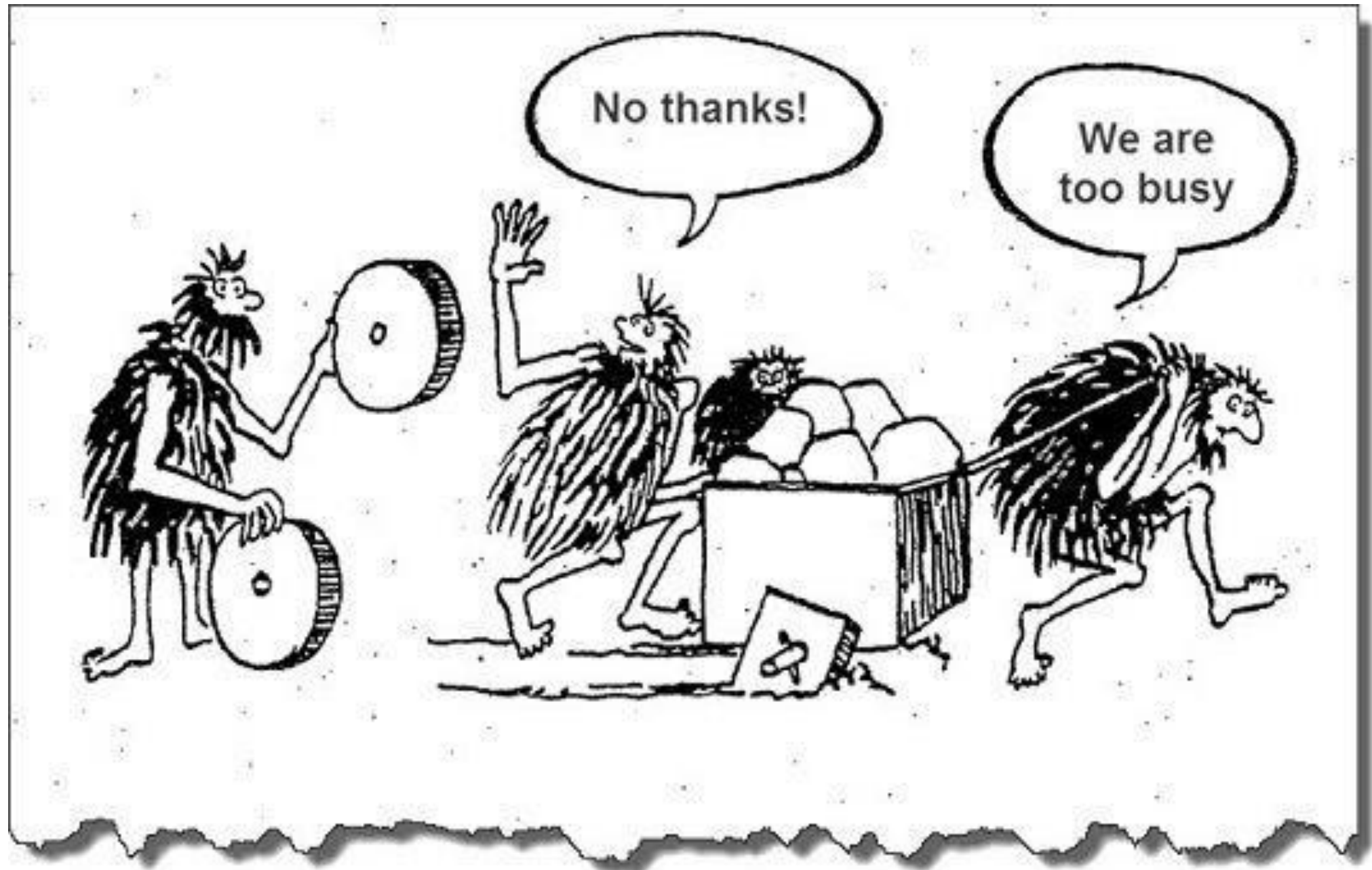
Main challenge

To investigate the **implications of the utilisation of big data** in the transport field.

Solution

NOESIS identified the critical **factors/features** which lead to **successful implementation of Big Data technologies and services** in the field of transport and logistics with significant **value generation** from a socioeconomic viewpoint.





No thanks!

We are too busy



Welcome to the NOESIS Decision Support Tool

The NOESIS Decision Support Tool is using machine learning techniques to predict the potential value of Big Data investments in Transport. The prediction algorithms are based on a sample of over 100 Big Data in Transport use cases that the NOESIS consortium analysed. To use the Tool you input information on "Transport mode", "Transport sector", "Type of data", "Sample size", "Operational costs", "Investment costs", "Transport challenges", and you get as output the potential value of your investment. The Tool can be used for pre-screening when considering Big Data in Transport investments and solutions.

My Big Data in Transport use case

Transport mode(s) related to the use case.

- Air
- Rail
- Road
- Maritime
- Inland waterways

Transport sector

Choose transport sector



Transport mode(s) related to the use case.

- Air
- Rail
- Road
- Maritime
- Inland waterways

Transport sector

Choose transport sector ▾

Type of data collected and used in the use case.

- Location data
- Environmental data
- Data coming from monitoring devices (cameras, traffic lights, sensors etc.)
- Consumption and transaction data (credit card, loyalty card, bookings etc.)
- Social media data

Sample size (of data)

Sample size (of data) ▾

What are the yearly operating costs to offer your Big Data service?

yearly operating costs ▾

What were the investment costs to offer your Big Data service?

investment cost ▾

Transport challenges associated with your use case.

- Environment and health
- Automation
- Safety and security
- Transport Management and operations
- Transport Policy and Planning
- Freight and logistics

Transport mode(s) related to the use case.

- Air
- Rail
- Road
- Maritime
- Inland waterways

Transport sector

Passenger

Type of data collected and used in the use case.

- Location data
- Environmental data
- Data coming from monitoring devices (cameras, traffic lights, sensors etc.)
- Consumption and transaction data (credit card, loyalty card, bookings etc.)
- Social media data

Sample size (of data)

10,001-100,000

What are the yearly operating costs to offer your Big Data service?

Reasonable

What were the investment costs to offer your Big Data service?

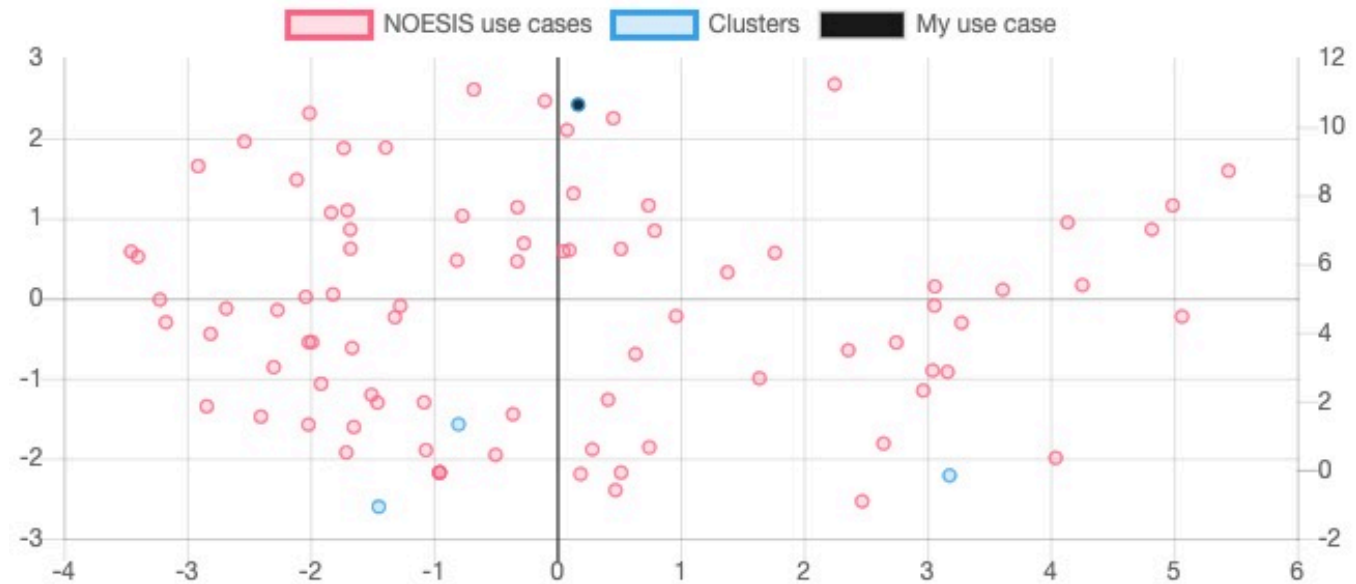
Reasonable

Transport challenges associated with your use case.

- Environment and health
- Automation



Clustering of NOESIS use cases



NOESIS consortium



[Ortelio Ltd](#)
United Kingdom



[Royal Institute of Technology in Stockholm](#)
Sweden



[Technical University of Munich](#)
Germany



[Macomi](#)
Netherlands



[Universidad Politécnica De Madrid](#)
Spain



[University of Belgrade,
The Faculty of Transport and Traffic
Engineering](#) Serbia

POLITÉCNICA

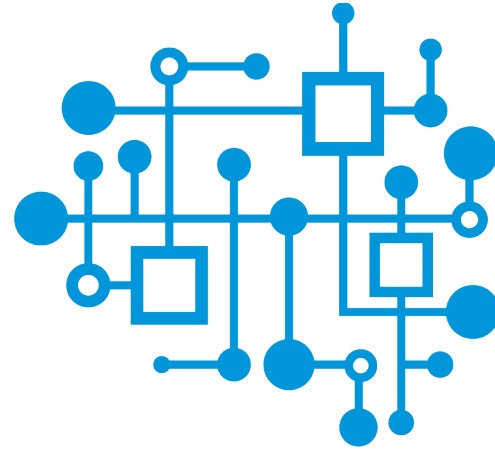


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NOESIS

Thank you!

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