

# Promotion of Open Science in transport research - Future Impacts

---

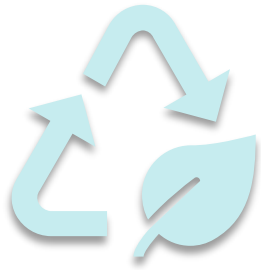
**“BE OPEN meets OSCAR” - Open Science Collaboration: Joint event | 16th June**

**Anja Fleten Nielsen**

**Institute of Transport Economics, Norway**

This project has received funding from  
the European Union's Horizon 2020 Research and Innovation Programme  
under Grant Agreement No 824323 and Grant Agreement No 824350

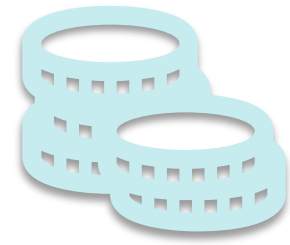




Environmental



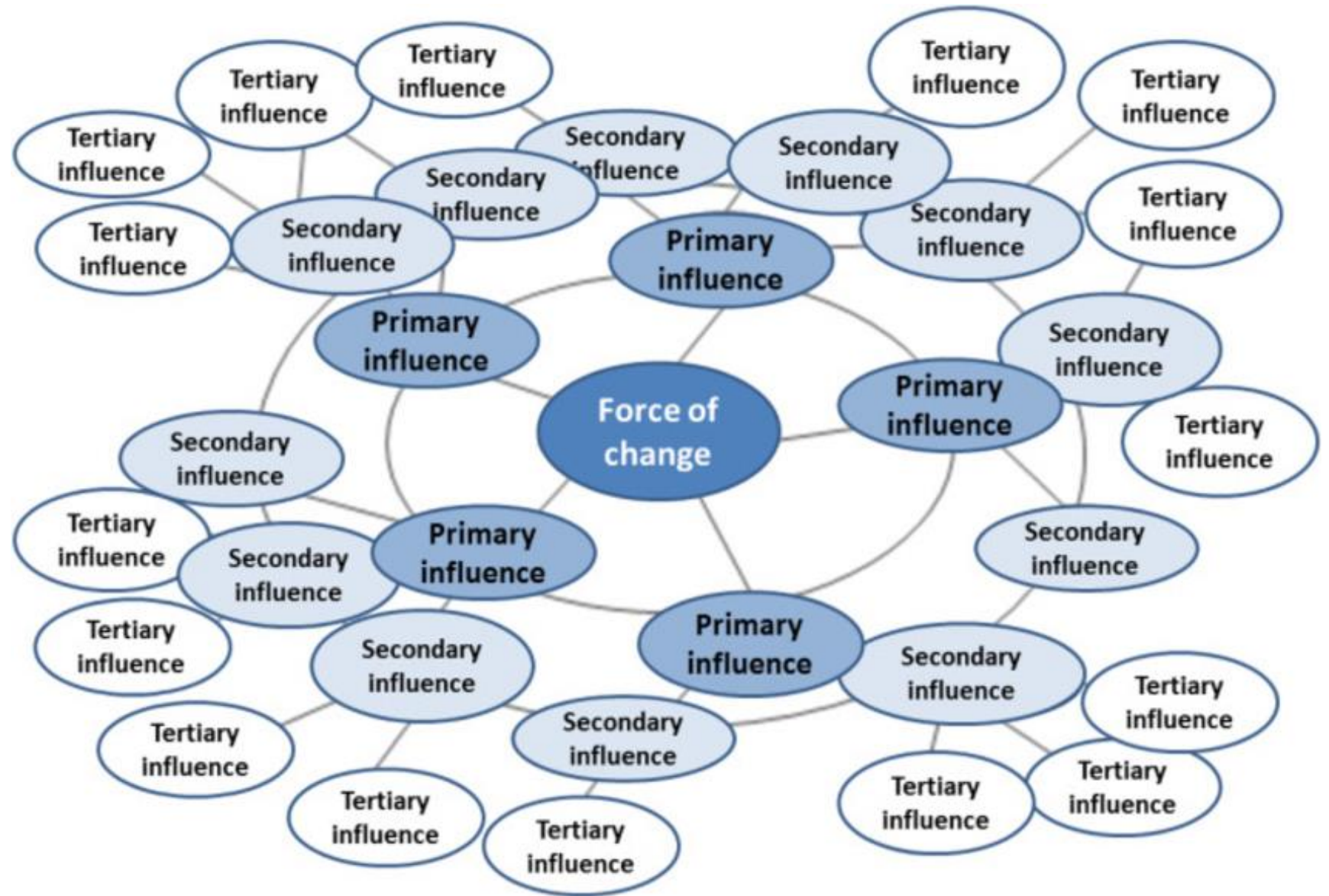
Social



Economic

# Impact assessment of Open Science in transport

# Future wheel





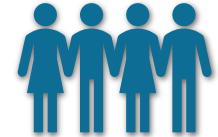
Open Access



Open Source  
Software

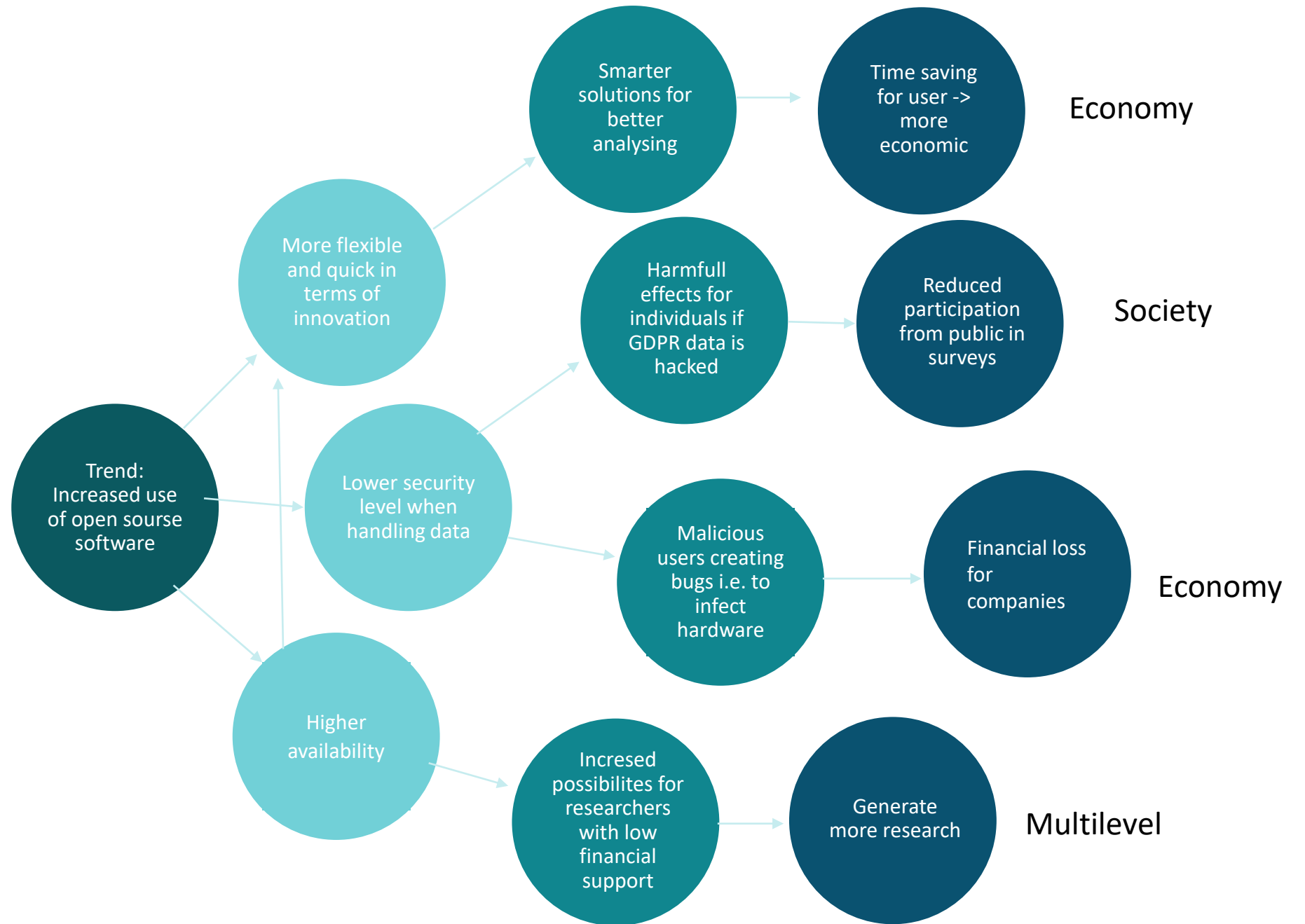


Open Data



Citizen Science

# Open Science



# General Impacts

Equality

Efficiency

Economic benefits

Innovation and new technology

Citizen participation

# Transport specific impacts

---



**Lower  
emission**



**Faster travel  
time**



**Improved  
traffic safety**



**Increased  
awareness**



**Artificial  
intelligence**

# Negative impacts

---



**JOB LOSS**



**NEW TYPES OF RISKS**



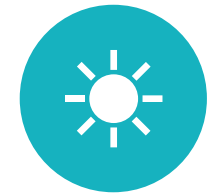
**INCREASED COST**



**CONFLICTS**

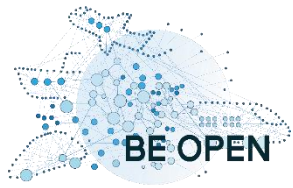


**TIME DELAYS**



**INCREASED ENERGY  
CONSUMPTION**





**Thank you for your attention!**

---



This project has received funding from  
the European Union's Horizon 2020 Research and Innovation Programme  
under Grant Agreement No 824323 and Grant Agreement No 824350