

## LogResDat – Logistics und Resilience – Datenkreise (Data circles)

**Closely coordinated and optimised processes make the transport and logistics sector highly susceptible to disruptions of any kind, whether short-term or long-term. Data in particular can help companies to react to these in a resilient way. The project generates numerous use case ideas, and two final use cases for “logistics and resilience data circles” are defined in detail for inter-organizational data exchange..**

Data are seen as the "oil of the digital age". They are omnipresent, support companies in their daily processes and provide important input for all decisions at every level of the company. This applies in particular to industrial value creation networks and the associated challenges in the area of transport and logistics. Closely coordinated and optimised logistics processes are highly susceptible to disruptions such as extreme weather events, traffic congestion or unpredictable events on transport routes.

A solution for this is a holistic resilience approach in logistics that offers data-based decision support and is available to the stakeholders involved. This requires an organisational structure for data exchange, a "logistics and resilience data circle". This should offer data providers and users the opportunity to exchange and use data in a clearly defined field of application.

The main goal and central innovation of the LogResDat project is the identification and concretisation of industrial data circles in the application area of logistics and resilience and, as a result, the development of at least two use cases in the application area. With the involvement of the clients, the relevant stakeholders and their needs for a "LogRes data circle" are identified and elaborated. Based on this, technical, legal and organisational issues will be taken into account in the development of the concrete use cases.

These can contribute significantly to improving resilience in logistics in the future and also enable further data-based innovations through the LogRes data circle. In addition to domain-specific aspects in the field of logistics and resilience, the study also provides innovative aspects for the development of data-sharing platforms, such as the application of new data protection technologies or the strengthening of research and open innovation through the availability of data.

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