The project BOOST 4.0 (http://boost40.eu/), funded by the European Union, is the largest initiative in the field of Big Data for Industry 4.0. This initiative will lead the construction of the European Industrial Data Space to improve the competitiveness of the European Automotive Industry. The consortium consists of 50 companies from 16 countries – including Volkswagen, Volvo and Siemens –, and is coordinated by Innovalia Group (http://www.innovalia.com/en/). The funding by the EU amounts to 20 million Euro, plus 100 million Euro in private investment.

In addition to building up a European Industrial Data Space, the consortium will guide the manufacturing industry in the introduction of Big Data technologies into the factory, thus providing the industry with the necessary tools to draw the maximum benefit from the industrial value of Big Data. This initiative will work to accelerate the adoption of Big Data and advanced analytic solutions in the European Automotive Industry through global standards, open APIs, secure digital infrastructures, trusted Big Data Middleware and digital manufacturing platforms. For the participating companies the project will bring significant improvements in productivity, with expected increases close to 20 percent, as well as a 50 percent reduction in unexpected maintenance operations.

Joint Lab "Data Science & Open Knowledge" involved as project partner

The Joint Lab "Data Science & Open Knowledge" (https://www.tib.eu/de/service/aktuelles/detail/tib-und-forschungszentrum-l3s-verknuepfen-komponenten/) of the TIB – Leibniz Information Centre for Science and Technology and the L3S Research Center L3S is involved as a partner in the BOOST 4.0 project: The junior research group "Scientific Knowledge Engineering" (https://www.tib.eu/de/forschung-entwicklung/data-science-digital-libraries/forschung/) will work in coordination with the University of Bonn on the development of core vocabularies for an intelligent, semantic data integration in an industrial context and will work together with partners from industry on the implementation of various pilot applications.

The kick-off meeting of the project took place on 30 January 2018 in Boroa (Spain), attended by members of the European Commission, the Spanish Ministry of Industry, international and national politicians, representatives of the automotive industry and other partners. The presentations at the event included descriptions of real applications in companies and discussions on best practice, as well as a keynote on semantic architectures for the industrial context by Prof. Dr. Sören Auer, Director of TIB and Head of the Joint Lab.

Project BOOST 4.0 launched - Big Data for Factories