Preface

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Data centricity plays a fundamental role in defining new and disruptive business models. Many organizations in the public and private sectors collect and analyze huge data repositories to support decision-making and gain a competitive advantage. However, despite the paramount relevance of data-driven technologies, organizations demand alliance-driven infrastructures that support controlled data exchange across diverse stakeholders and transparent data management. Data ecosystems (DEs) are the future of data management since they allow companies to share data and collaborate to get valuable insights. Such benefits can be achieved only with a proper approach for generating and sharing knowledge. Thus, DEs aim to solve issues like managing unstructured and heterogeneous data, offering various data-centric services, including query processing and data analytics, and exchanging and integrating data while preserving personal data privacy, security, and organizational data sovereignty. Hence, to implement a data ecosystem, manifold challenges regarding, amongst others, data management, data quality, trust, data exchange, data integration, machine learning, or knowledge-based systems have to be solved and integrated. In the Second International Workshop on Data Ecosystems (DEco'23), we aimed to publish innovative contributions addressing such challenges.

From the submissions, we could accept 3 high-quality full papers. The accepted papers comprise aspects of data sharing, trust, federated machine learning and repositories, and report experiences from use cases based on data ecosystems.

The workshop is organized around two paper presentation sessions. We are delighted to count on Prof. Mathias Jarke from RWTH Aachen University and the Fraunhofer Institute for Applied Information Technology FIT for an inspiring keynote talk reporting experiences of the "Data Space Culture," a lighthouse project of the German Chancellors Office aiming at demonstrating and evaluating a suitable data ecosystem around four use cases in the fields of theaters, museums, music training, and networking of existing local culture communities. An invited paper summarizing his talk is also included in the proceedings.

We want to thank our excellent Program Committee members who thoroughly evaluated the papers and all the authors who submitted and presented papers to the workshop.

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