

Research & Innovation Priorities

Data Management

Engineering data and its management

- Handling unstructured and semi-structured data
- Semantic interoperability
- Measuring and assuring data quality
- Data management lifecycle
- Data provenance, control and IPR
- Data-as-a-service model and paradigm

Data Processing

Optimized architectures for data-at-rest and data-in-motion

- Architectures for data-at-rest and data-in-motion
- Techniques and tools for processing real-time heterogeneous data
- Scalable algorithms and techniques for real-time analytics

Deep Analytics

Novel algorithms for predictive and prescriptive analytics

- Improved Models and Simulations
- Semantic Analysis
- Event and Pattern Discovery
- Multimedia (Unstructured) Data Mining
- Deep Learning Techniques for Business Intelligence

Data Protection

Mechanisms to make data owners comfortable about sharing data

- Complete Data Protection Framework
- Data minimization
- Mining Algorithms
- Robust anonymisation algorithms
- Protection against reversibility
- Pattern hiding mechanism
- Secure Multiparty Mining mechanism

Data Visualization

Intelligent visualization of complex information relying on enhanced user experience and usability

- End User Centric visualization and analytics
- Dynamic Clustering of information
- New visualization for geospatial data
- Interrelated Data and Semantic relationships
- Qualitative Analysis at a high semantic level
- Real-time and collaborative 3-D visualization
- Time dimension of Big Data
- Real-time adaptable and interactive visualization

BDVA Founding Members



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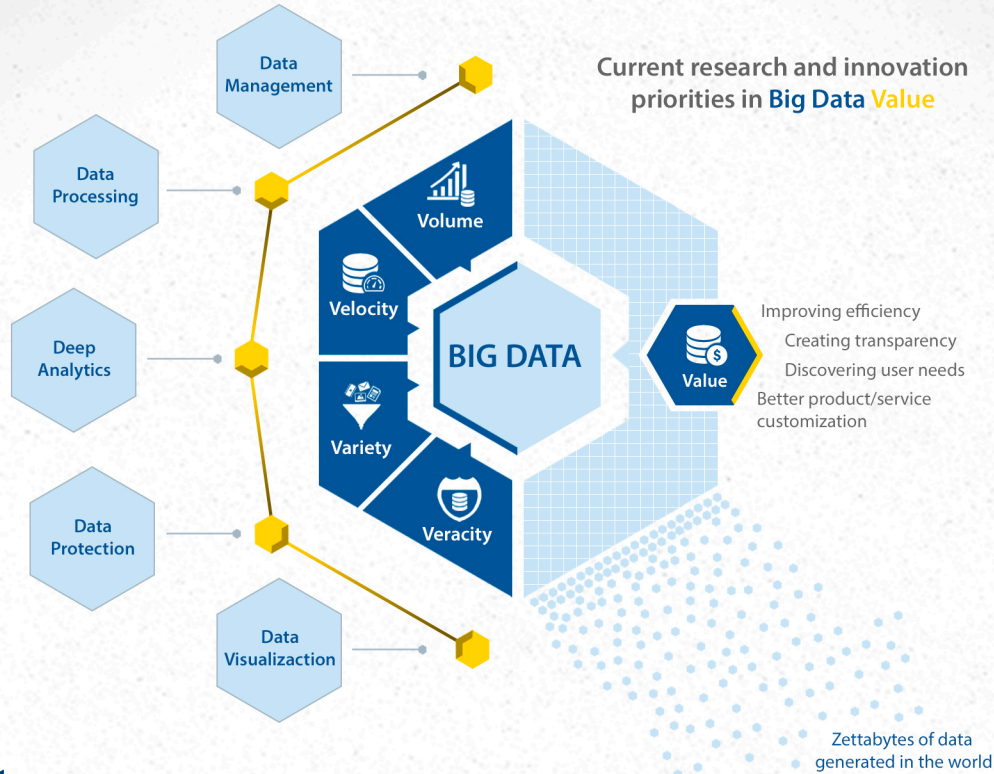
BIG DATA VALUE

The New Economic Asset

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What is Big Data

Big Data is high-Volume, high-Velocity, high-Variety, and high-Veracity information that demand cost-effective and innovative forms of information processing. This allows for enhanced insights and improved decision making so releasing high Value.



Why is Big Data important?

Data is a key asset to generate value by fostering new business models and generating powerful ecosystems with strong European players along the entire value chain.

Impact



Source: Big Data Value Association, "Big data value strategic research and innovation agenda (SRIA)"

Big Data Value PPP

The Big Data Value Public Private Partnership (Big Data Value PPP) commenced in 2015. It will start its first projects in 2016 and will run until 2020. The PPP, in which the European Commission represents the 'public' side and the Big Data Value Association represents the 'private' side, will lead to a comprehensive innovation ecosystem for achieving and sustaining European leadership on Big Data, and for delivering maximum economic and societal benefit to Europe, its businesses and its citizens.

BDV Association

The Big Data Value Association is a fully self-financed non-profit organization under Belgian law. The BDVA is an industry-led association representing the Big Data Value stakeholder community with a presence in Europe. Its principles are openness, transparency and inclusiveness. If you would like to be a Full, Associate or subscribing member of BDVA please check out our website at www.bdva.eu. Benefits include: Representing a strong industry voice and enabling impact in Big Data Value topics across Europe. Direct information and representation of interests to the European Commission and member states. Gaining access to peers, key players and networking within project and proposal consortia. Membership of the General Assembly with access and influence in BDVA Task forces and Subgroups.

Big Data Value Innovation Strategy

