

# Green AI Compliance: Energy-Smart and Privacy- Focused Data Solutions in Europe

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Successful R & I in Europe 2024 -11th European Networking Event

# Dell Technologies Scorecard

## Dell Technologies

Client Business Workstations High-end Gaming	Server External Storage PC Monitors	Storage Software Data Protection HCI
\$102.3 billion FY23 GAAP revenue	#34 on Fortune 500	20+ Global manufacturing locations, nine Dell owned

343.3+ million Pounds of sustainable materials used in products and packaging in FY23

## European positioning

 **10 active funded projects** | **25 Projects funded since 2013**

**33% Proposal win rate since 2021**



Best paper award at ACM/IFIP Middleware Conference

Manufacturing, supply chain, edge use cases

252 Industry and Academic EU partners

## Dell Technologies Research

\$2.8 billion invested in R&D in FY23



2,445 Patents issued to Dell Technologies in 2022

Research interests: AI, Edge, Multi-cloud, **Security**, Quantum Computing, **Data Management**

Verticals: Healthcare, manufacturing, retail, finance, agriculture, supply chain

## People and culture

133,000 Dell Technologies team members as of February 3, 2023



130 Researchers globally

15 Researchers in EU



## Infrastructure

- Manufacturing site
- Data-center
- Cloud-Edge platform
- AMR
- 5G Testbed

# Green AI Compliance: Energy-Smart and Privacy- Focused Data Solutions in Europe

- **Energy Efficiency**: Developing AI systems that optimize energy use during data processing and analytics to support the EU's Green Deal and net-zero emissions goal by 2050.
- **Privacy Assurance**: Ensuring that AI-driven data operations adhere to stringent privacy regulations such as GDPR, incorporating advanced techniques for data anonymization and consent management.
- **Cross-sector Interoperability**: Facilitating the exchange and integration of data across different sectors, enhancing collaboration and innovation while ensuring energy-smart and privacy-focused practices.
- **Compliance Technologies**: Creating automated tools for continuous compliance monitoring and reporting, essential for the emerging regulation landscape impacting digital technologies.

- HORIZON-CL4-2024-TWIN-TRANSITION-01-03: Manufacturing as a Service: Technologies for customised, flexible, and decentralised production on demand (Made in Europe Partnership) (RIA)
- HORIZON-CL4-2024-DATA-01-01: AI-driven data operations and compliance technologies (AI, data and robotics partnership) (IA)
- Explainable and Robust AI (AI Data and Robotics Partnership) (RIA)  
HORIZON-CL4-2024-HUMAN-01-06





# Partners Sought

## Academia

- Universities & research institutes interested in data privacy, green AI

## Standards organizations

- Expertise in data interoperability

## Industry & public sector partners

- Complimentary skills to Dell, e.g., robotics, multi-cloud support

Coordination experience welcome

# GLACIATION at a glance

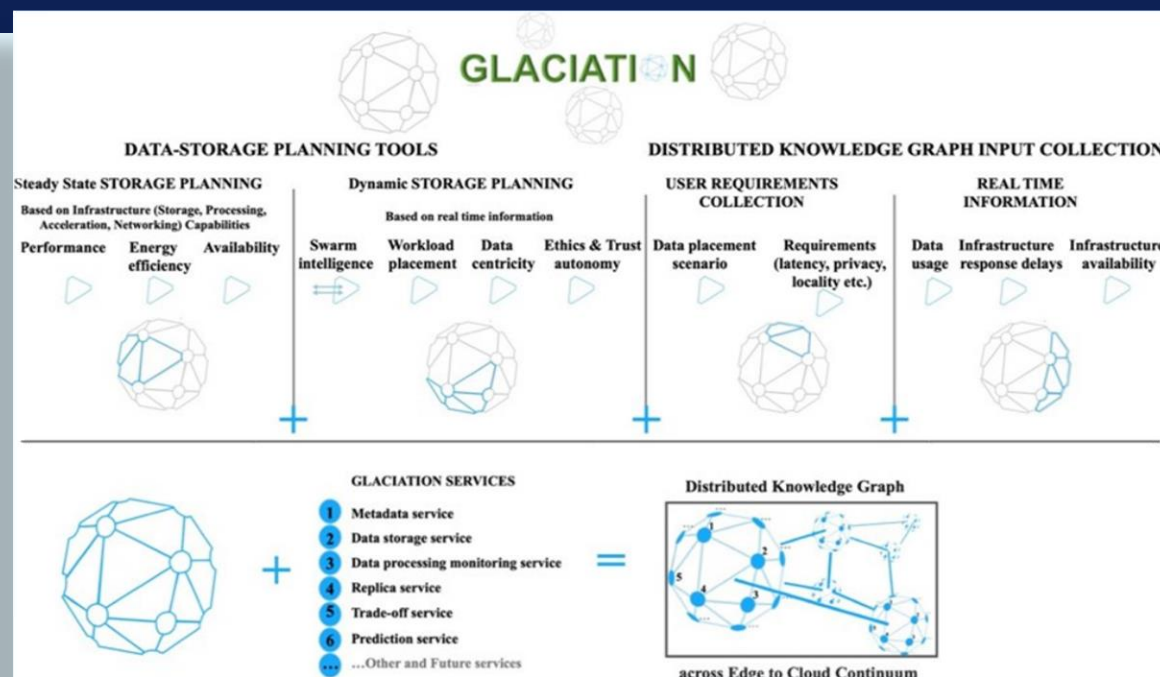
## Project title

Green responsible privACy  
preserving dAta operATIOns

## Call and topic

HORIZON-CL4-2021-DATA-01-01 -  
Technologies and solutions for  
compliance, privacy preservation,  
green and responsible data  
operations (AI, Data and Robotics  
Partnership) (RIA)

Grant agreement No 101070141





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