



Arcitecta Joined by Leading Research Institutions and Technology Innovators at the Inaugural DATAKAMER 2025 Event

Organizations Convened to Reimagine the Future of Research Data

BOULDER, Colo. & MELBOURNE, Australia – October 16, 2025 – Arcitecta, a creative and innovative data management software company, recently joined leaders from prestigious research institutions along with technology vendors Spectra Logic, Wasabi, Cerabyte and IQM for DATAKAMER 2025. The inaugural DATAKAMER event was a collaborative setting where participants came together to chart a sustainable, AI-ready path for managing the world's most important data. The Dana-Farber Cancer Institute hosted the event at its headquarters in Boston, Massachusetts.

DATAKAMER 2025 was a one-day, invite-only gathering of technologists, researchers, archivists, and system builders exploring the data systems and architectures fostering discovery and the growing challenges and critical needs in managing research data at scale. Research institutions are grappling with the duplication of files across labs, inconsistencies in metadata practices, budget pressure resulting from the exponential growth of data, and much more. Having a sustainable infrastructure, from power to cooling and media lifespans, is not just an IT concern; it's a scientific necessity.

"The goal of the event was to build community around approaches to research data management so that institutions can share best practices and solve data challenges," said Jason Lohrey, Arcitecta's CEO and founder. "Ultimately, sustaining science requires collaboration, smarter infrastructure choices, and tools that improve visibility, reduce waste and let researchers focus on discovery, not data wrangling."

An event highlight was the *Research Data Management* roundtable, which compared real-world practices for balancing researcher agility with institutional discipline. It focused on how automating governance, integrating compliance checks early and adopting metadata-driven platforms could support researchers and minimize manual overhead.

DATAKAMER 2025 takeaways include:

- Research institutions are curating datasets with standardized metadata, investing in platforms that make data discoverable and reusable, and designing governance to ensure reproducibility.
- Quantum computing is already being implemented in pilot workloads to lower total costs by reducing workload size, time and energy consumption. Mainstream adoption is expected to be gradual but is anticipated to expand within this decade.
- Long-lived media, such as ceramics, and automation of tape systems, as well as cloud models that eliminate egress penalties, show promise for reducing migration cycles by dramatically extending media lifespans.
- New generations of LTO tape remain the most cost-effective long-term storage option, with automation making it a practical and sustainable solution.

- Moving away from egress fees and unpredictable billing is critical. Predictable cloud pricing models are helping institutions plan more effectively.

“This inaugural event marks the beginning of something more expansive. The vision is to support and grow DATAKAMER into a mainstay event where technical rigor and creative inquiry are not only compatible, but essential for shaping, storing and sharing knowledge in an era characterized by accelerated change,” added Lohrey.

The DATAKAMER name riffs on the Enlightenment *kunstkammer*, the cabinet of wonders where art, science, and invention collided. DATAKAMER follows that tradition: a living collection of ideas and technologies redefining how data is built, stored, shared and reimaged.

About Arcitecta

Arcitecta has been building the industry’s best data management platforms since the dawn of the data age. Today, Arcitecta is transforming data management and backup with [Mediaflux](#), a rich end-to-end data fabric that simplifies data-intensive workflows in petabyte-scale environments to improve business and research outcomes. Mediaflux unifies data management processes into a single platform, simplifying the administration of massive data sets and allowing world leaders to solve some of the most challenging problems on the planet. For more, visit www.arcitecta.com.

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