



Healthcare: eliminating Innovation waste

The Healthcare sector needs to maximize the impact of innovation funding and drastically **improve efficiency**. There is currently significant duplication in innovation from a design, development resource and funding perspective. Locating information on past and existing initiatives, publicly and privately, is difficult sometimes impossible, as legal and privacy constraints prevent public search tools from accessing private data. Literature reviews, a critical step in fundamental research, are estimated to cost £100,000 and take up to 12 months.

At the core of the issue of **innovation waste and duplication**, lies the challenge of retrieving relevant information given a user's need. Furthermore, collaboration accelerates the innovation process and significantly enhances rich search queries and automation but is often difficult to orchestrate.

Governments and their agencies need to be able to consolidate and leverage research or innovation information with more precision and velocity. Better search tools would therefore have a significant impact on our ability to innovate faster and more efficiently, increasing social and collective well-being.

The solution: a tool that makes effective use of semantically and syntactically rich queries, that can be reproduced, versioned or shared with other users.

GENAIZ is the solution to innovation waste

GENAIZ is an **AI-powered platform** that specializes in unstructured and structured text processing. It aggregates documents and data in the form of business concepts to generate new knowledge and innovation. Here are a few examples of how GENAIZ can transform some of your innovation processes.

The GENAIZ base subscription model is the core solution to leverage your algorithms, your datasets and to make the most of your innovation initiatives. With a specific pricing structure for the public sector, GENAIZ fosters collaboration and internal data sharing. The **GENAIZ federation** allows agencies to consolidate their knowledge, sharing lessons learned both within a region or an extensive international network of centers.

Data privacy settings remains managed at the instance level, based on the owner's internal security. Since only **GDPR compliant** metadata is stored on a local instance of GENAIZ, security meets the most stringent standards of the industry.

GENAIZ gives you efficiency and access to a world of knowledge

- Perform literature reviews and searches within the federation or public data sources.
- Avoid reproducing existing products and repeating past mistakes.
- Identify opportunities of collaboration on existing local or international innovation initiatives.

On top of the base subscription, the GENAIZ Marketplace provides a **revolutionary intermediation tool** to select those algorithms and advanced analytics that generates additional knowledge out of the data accessible by GENAIZ.

The GENAIZ platform can be applied to other sectors of an economy, such as transport, local authorities, criminal justice, R&D, housing, thus making it a game-changing tool for advanced data analytics consumption and coordination at a country level.

AI and Data Marketplace

Artificial intelligence (AI) and analytics are becoming critical to life sciences innovation. Using AI to accelerate innovation saves costs and avoids failures.

The **GENAIZ AI marketplace** provides AI that integrates smoothly with data accessible by GENAIZ, and connects specialized AI and analytics designed by experts with client data.

For those developing AI, the GENAIZ Data marketplace facilitates privacy-preserving model training through federated learning. **Better data results in better AI** and better, more **efficient innovation**.

Algorithms on GENAIZ are containerized to protect IP. It is possible to monetize algorithms on our Marketplace.



Current Algorithms contained in the Marketplace for consumption

Quality Review by Exception

All organizations subject to quality systems under regulatory agency requirements should understand and monitor their manufacturing processes. Adding AI to quality review processes augments human abilities, making processes more efficient and faster.

GENAIZ, acting as a layer over digitized business processes, improves proactiveness and predictability of operational processes. It compares baselines to current organizational or manufacturing states reporting by exception, to enable focused monitoring and correction.

GENAIZ turned an annual 3-month process, undertaken by 2 to 3 people, into a 7-minute automated process with 100% accuracy. This resulted in cost savings of \$500,000 per year for the organization.

Mergers and Acquisitions

Virtual pharmaceutical companies actively pursue their novel IP with the financial assistance of a range of funders. There is consequently a growing number of Mergers and Acquisitions where IP passes from one hand to another multiple times within its life cycle, and in this process, Sellers and Buyers need to verify the completeness of complex documentation.

GENAIZ can check documentation completeness, finding over 60% of missing documentation without human intervention. This facilitates transactions and shortens timelines.

Digitization of clinical trials

Clinical trials are a core component of any drug or treatment discovery process and generate big data. Bioinformatics and analytic computation is applied to clinical trial data to extract knowledge, explain trial results and inform subsequent efforts. Few people have the specialized training to perform such analyses, resulting in inefficiencies.

GENAIZ provides a user experience customized to biologists and other experts, enabling them to run AI and analytics without assistance from technical specialists.

GENAIZ also applies a modern approach of cloud computing to solve the non-traditional bioinformatic big data problem.

“GENAIZ will significantly simplify and reduce the burden of knowing the what, where and who of innovation waste, avoiding duplication and fostering collaboration. Just by touching your keyboard. Genius.”

– Philip Webb, Respiratory Innovation Wales

Leveraging the power of GENAIZ

Subscription or single use of advanced marketplace analytics	Monetizing your algorithms and datasets
<p>Basic subscription: Automated data discovery, Search and rich queries for systematic literature reviews, Typed initiatives, Data annotation, Federated rich queries, Manual data input, Marketplace browsing.</p> <p>Pay per use: Advanced algorithms, Datasets.</p> <p>Run them as often as you want, whenever you need analytics.</p>	<p>You can monetize your algorithm or your datasets by adding them to the GENAIZ Marketplace.</p>

About GENAIZ

Located in Montreal, Canada, the AI capital of the world, GENAIZ was born from consulting and years of experience. Our highly skilled team of incredibly dedicated individuals, bound by a strong culture, specializes in AI, Natural Language, Open Information Extraction and Questions Answering, Knowledge generation and Information retrieval.

GENAIZ offers an open and flexible natural language processing platform, with no current equivalent on the market. It provides a complete solution to leverage past and current data to support decision-making process. The GENAIZ platform is uniquely built as a powerful marketplace, ingesting and normalizing data, intermediating with the proper third-party suppliers' algorithms from all around the world. It also allows searches and returns results in multiple languages.

This makes GENAIZ the most flexible, scalable and cost-efficient AI platform out there.

Our Mission: To increase collective well-being by accelerating the creation of better products, processes and treatments.

Our Values

- Inspired by **Humanity**
- Propelled by **Diversity**
- Driving **Evolution**

Partners who trust GENAIZ



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