

The multidimensional Big Data analytics platform, built around data

#### TECHNOLOGY DESCRIPTION

Qbeast is a unified platform to serve, predict and analyse data. Through a web portal interface, users can access three main tools: QDB, a Data Base solution that includes the OTree patented technology, which enables hybrid row/columnar storage, approximate Big Data Analysis, and indexing and spatial data partitioning; QML, a handcrafted Machine Learning (ML) library that implements most common ML algorithms taking advantage of the QDB power; and Qviz, a data visualizer where data is mapped into 3D forms using advanced space reduction techniques, so that users can navigate into their data as they move in the real world, and simply see their data.

Our patented MuSES arquitecture (Multidimensional Storage with Efficient Sampling) combines sampling and indexing together to explore, analyse and query data much faster

Forget about old ETL architecture (Extract, Transform, Load), where different databases are needed. With our HTAP solution (Hybrid Transactional / Analytical Processing) you can use a single storage for all your business processes, avoiding overheads

### **AREAS**

Big Data, Data Analytics, Data Visualization, Data Bases, Machine Learning, High Performance Computing







## COMPETITIVE ADVANTAGES



HTAP MuSES. No competitor supports analytics serving, approximated analysis in one single



real-time The only Big Data visualization tool for data exploration, labelling. validation and anomaly detection



Spatial and sampling aware data parallelism makes it the only ML library designed for Big Data on the cloud



Big Data made easy, human and cheap. Less infrastructure, less development, more results

Qbeast is cloud-ready, thanks to its Kubernetes native deployment, that integrates with all major cloud providers

### APPLICATION & MARKET POTENTIAL

Figures of targeted Markets:



Serviceable Available Market Gobal Big Data as a Service

> CAGR of 11.0% from 2017 to 2026



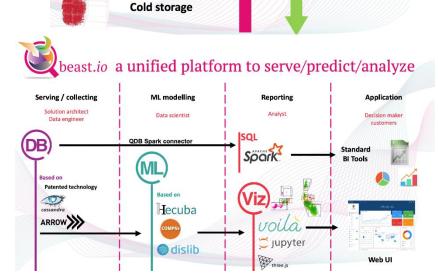
**Total Available Market** Global business analytics

CAGR of **38.7%** from 2019 to 2025

# **Target Customers:**

- Medium-small size tech companies, with data in its core business
- Early adopters: Enterprise Cassandra and Spark users (market size \$300 M)





### TECHNOLOGY READINESS LEVEL

**RAM** 

**Object storage** 



### REFERENCES

Patent: "DISTRIBUTED INDEXES" PCT/EP2018/081340

Online prototype: <a href="https://qbeast.io/">https://qbeast.io/</a>

Collaborators:

















### CONTACT

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