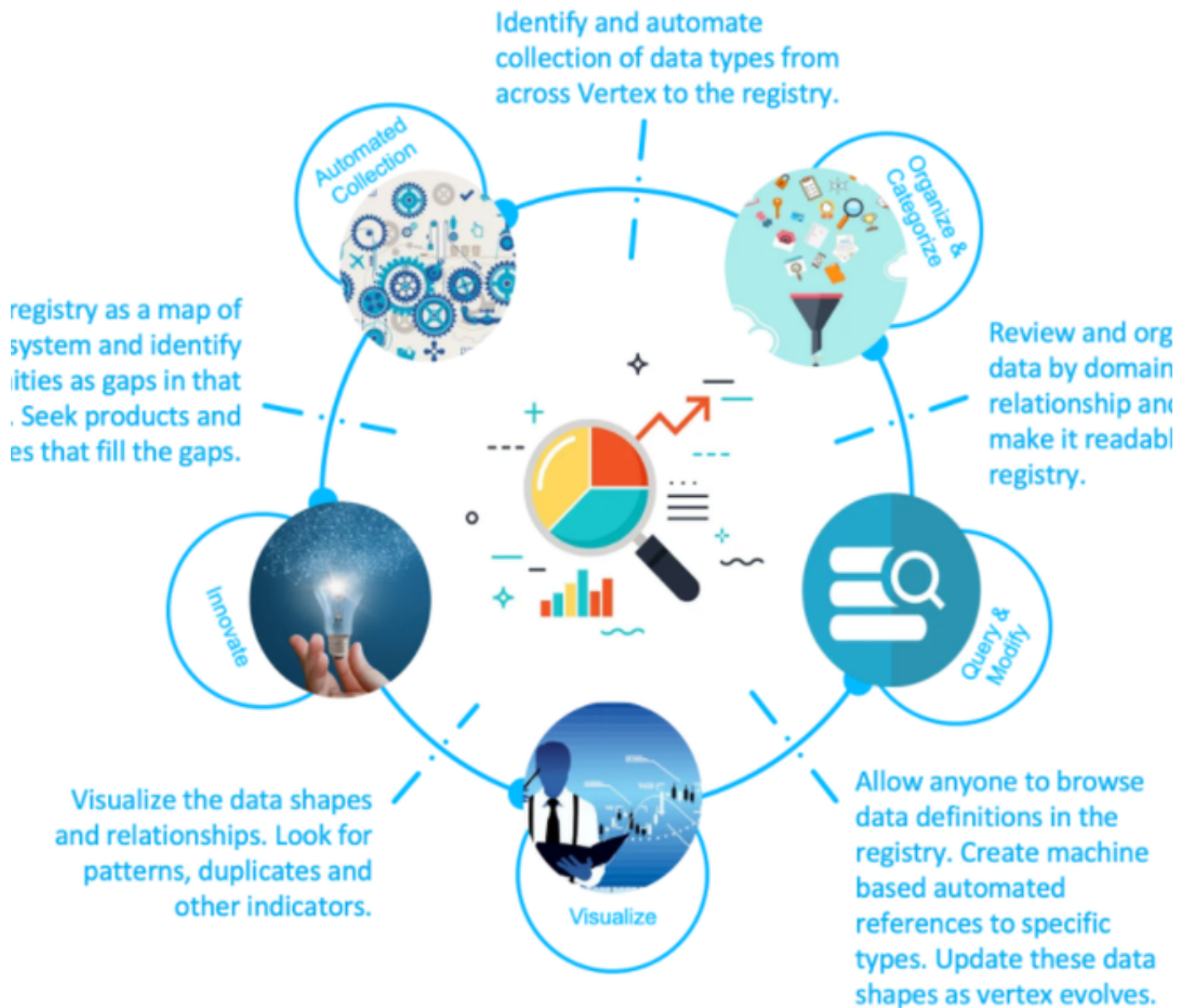


# Data Inventory and Ontology



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# Summary

## Data Inventory and Ontology A.K.A. Data Registry

Understanding the landscape of data across the Vertex ecosystem will help evolve products and innovate. This looks at the meta-data, relationships, and context, not the specific data itself.

## Potential Impact

The data Inventory project provides a baseline understanding of the data landscape at Vertex and approaches to collect the inventory across sources, curate an understanding of the context of the inventory, and model connections. This allows for technologies to be explored that support this function and offers the potential to see gaps, draw connections/correlations, and understand the sources/context of where in the data landscape the data comes from. This allows for the identification of new data-driven innovations.

## Competitive Positioning

Competition continues to leverage their data to provide value to customers, and better support the market ecosystems that they participate in. This project will provide insight into what Vertex has access to, which can lead to additional ideas and approaches to leverage the data to support the customer base, the ecosystem, and the enterprise. Exploring the technologies to understand this data will also lead to automation around understanding the data that Vertex has.

## Status

As of August 11, 2021, the project is Yellow. Concept exploration is complete, which includes interviews, market research, and requirements gathering. In parallel, both technical landscape exploration and meta-data acquisition are well underway. Finalizing a solution took longer than expected, but we are now about 66% complete with the MVP. The MVP consists of:

- MongoDB - done

- REST API Service - done
- Initial Data Population for Testing - done.
- Complete Data Population from Various Sources - in-progress
- MVP React UI - in-progress
- The backend API implementation and documentation can be found here: <https://dr-service.ets.vtxdev.net/>.
- The UI will be here: <https://dr-ui.ets.vtxdev.net/>

## Schedule

Final MVP delivery is expected on **September 10, 2021**. Data Inventory and Ontology Pilot



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