Institutions often struggle with keeping information accessible and engaging. This project was sponsored by CERN to document the history of the institution and demonstrate a process of reducing overly complex organization systems.

**CURRENTLY**

**CHRONOZOOM**

ChronoZoom aims to help remove information silos in academia and explore the interconnections between science and humanities. It is an online, open-source visual history presentation tool which explores the concepts of Big History—the history of all things.

**DEVELOPMENT**

Ontology Design: Taking the research results from our exploration of the highlights of history at CERN, the knowledge layer was then connected to the Information Layer through careful information management processes.

**CHALLENGES**

- Research and collocate materials for all comprehension levels
- Translate complex concepts in particle physics
- Design a method to engage the user and explore interdisciplinary connections

**RESULTS**

An interactive and visually stunning ontology based on an information organization system demonstrating the importance of resource retrieval, management, and collocation techniques to simplify digital asset systems.

**THINKING AHEAD**

- Digital archive collection management.
- Tacit knowledge transfer and training for educators and the workforce.
- Interdisciplinary collaboration and exploration.
- Semantic web: creating machine-readable code connecting information silos.

Advisor: Mike Crandall  •  Sponsor: Rane Johnson

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1 ChronoZoom Project: [www.ChronoZoomProject.org](http://www.ChronoZoomProject.org)