**Visualizing 13.7 Billion Years**

**Big History Project (BHP)**

Cosmos  Earth  Life  Prehistory  Humanity

**CHALLENGE**

- How can instructors visualize 13.7 billion years of history on one canvas?
- How can students make sense of large time scales and relationships between historic events and themes, scientific concepts and human history?

**PROJECT DESCRIPTION**

- Develop 10 ChronoZoom activities aligned to 10 Big History Project units (www.bighistoryproject.com) spanning 2 conceptual areas: Energy and Climate
- Utilize ChronoZoom Energy and Climate Timelines to gain insight via evaluation on how ChronoZoom might best be used in the classroom

**IMPACT**

- Create opportunity for students to directly interact with Big History content in an engaging manner which supports Big History learning outcomes
- Broaden student understanding of large time scales and relationships between cosmological events, scientific concepts and human history
- Provide firsthand feedback to ChronoZoom stakeholders to improve functionality and usability in a classroom setting

**CHRONOZOOM ENERGY MAP**

[Diagram showing energy timelines and historical events]

**CONTENT CREATION PROCESS**

- Identify Supportive Media
  - Document Content
  - Review
  - Usability Test with Students
  - Customer Review
  - Content Approval
  - Author Content in ChronoZoom
  - Release

**ENERGY TIMELINE**

[Diagram showing energy timeline with specific dates and events]

**EXHIBITS**

- Stars and the Creation of Elements
  - Visualizing the Big Bang
  - Nuclear Fusion and the Birth of Elements
  - The Evolution of the Solar System
  - The Formation of the Earth
  - The Rise of Life
  - The Origin of Humans
  - The Development of Civilization
  - The Industrial Revolution
  - The Age of Exploration
  - The Space Age
  - The Future