



CHRONOS

Geochemical Cycles Workshop

- San Antonio, Texas on June 25th and 26th
- Geochemical Cycles domain of CHRONOS
- 26 geochemists, paleoceanographers, geoinformatic specialists, paleobiologists, Earth system modelers
- Time domain -- Archean through Tertiary
 - Earth Systems through Deep Time



CHRONOS Components

(www.chronos.org)

- **Time**
- **Life-through-Time**
- **Climate-through-Time**
- **Geochemical Cycles**
- **Core-to-Crust Dynamics-through-Time**
- **Time Slice Demonstration Initiatives**
 - **Permian-Triassic**
 - **Mid-Cretaceous**
 - **Mid-Miocene**



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Principal Investigators

- **Science PIs:** Lee Allison, Chaitan Baru, Sam Bowring, Cinzia Cervato, Vladimir Davydov, Ben Flower, Ethan Grossman, Linda Hinnov, Brian Huber, Chris Keane, Anthony Koppers, Mark Leckie, Charles Marshall, James Ogg, Paul Renne, Pete Sadler, Chris Scotese, Bruce Wardlaw
- **International Participants:** Felix Gradstein, Dave Lazarus, John McArthur, Alan Smith
- **IT Programmers:** Geoff Bohling, Patrick Diver, Douglas Fils, Douglas Greer, Liying Lin



CHRONOS Geochemical Cycles Workshop Goals

- Determine what chemical **data** and **metadata** should be included
- Determine **how** the data should be **stored**
- Determine what **tools** will be needed for melding with non-chemical data, and for **visualization, analysis, and application**
- Determine how to enlist **community buy-in**
 - Credit