



## PaleoTech Origins Series — PART 1

### PaleoIQ™ Discovery

*Occurrence-based summary (no timelines)*

#### Purpose

This document summarises the initial discovery pathway that led to the emergence of PaleoIQ™. It is a structural summary of occurrence and decision, not a biography or complete research record.

#### Initial Context

While examining ice core and sediment core records associated with abrupt paleo-climate transitions, the focus was on understanding whether large-scale physical context might precede or accompany major system reorganisation. The work was exploratory and undertaken without forecasting, commercial, or operational intent.

#### Signal Searching

Early analysis involved searching for a broad physical context that could plausibly influence climate systems over long periods. Interest initially centered on potential solar-related forcing structures. Multiple candidate signals were examined and discarded due to lack of coherence, dependence on tuning, or failure to persist across events.

#### Orbital Dynamics as Entry Point

Orbital dynamics were selected as a practical entry point for investigation because they offered a physically grounded, reconstructable context. Axial tilt (obliquity) was treated as one component within these broader orbital dynamics frame, not as a deterministic driver.



## Reconstruction & Survival

Through repeated reconstruction and comparison across independent paleo-climate stress events, orbital-context structure demonstrated coherence and persistence. This survival under rejection, rather than optimisation, marked the emergence of a viable upstream signal.

## Emergence of PaleoIQ™

As orbital-context reconstruction matured, a broader structural framework was required to contain, interpret, and govern the signal. This framework was initially developed as CosmicTriad™ and later refined and renamed PaleoIQ™, reflecting its role as a signal intelligence layer rather than a single-parameter model.

## What This Phase Was Not

This phase was not predictive, operational, or outcome-driven. It did not attempt to forecast climate behaviour or derive actionable advice.

## Why This Phase Matters

This phase establishes that PaleoIQ™ emerged from empirical observation and rejection-driven survival, providing upstream context rather than prescriptive outcomes.