

GROUP 7: SPECIAL / COMPOUND CAUSES (22 Causes)

(Rare events, synergistic amplifiers, and cross-domain syntheses)

- 1. Bioterrorism or Malicious Synthetic Biology**
- 2. Low-Cost Synthetic Biology & Dual-Use Risks**
- 3. Additional Synthetic Biology Hazards**
- 4. Demographic Collapse from Aging Populations**
- 5. Mass Cyanobacterial Water Contamination**
- 6. Systemic Global Financial Crisis**
- 7. Integrated Financial-Climate Crisis**
- 8. Prolonged Climate-Conflict Humanitarian Crisis**
- 9. Urban Heat Island Effect (Amplifier)**
- 10. Synergistic Multi-Extreme Compound Events**
- 11. Catastrophic Industrial Chemical Releases**
- 12. Severe Global Maritime Trade Disruptions**
- 13. Amplified Oceanic Primary Productivity Loss**
- 14. Risk Synthesis & Prioritization**
- 15. Severe Convective Storms/Tornadoes (Risk Shift)**
- 16. Massive Dust/Sand Storms**
- 17. Space Magnetic Storms (Magnetospheric Disturbances)**
- 18. Extreme Solar Storms (Carrington-Level)**
- 19. Extreme Solar/Geomagnetic Storms**
- 20. Earth's Magnetic Field Variations (Non-Reversal)**
- 21. Massive Volcanism — Siberian Traps (P–T) / CAMP Analogs**
- 22. The Internal Flood***(Subsurface mega-aquifer breaches, karst collapses, or induced hydro-fracturing cascades leading to continental-scale flooding from within the crust)*