

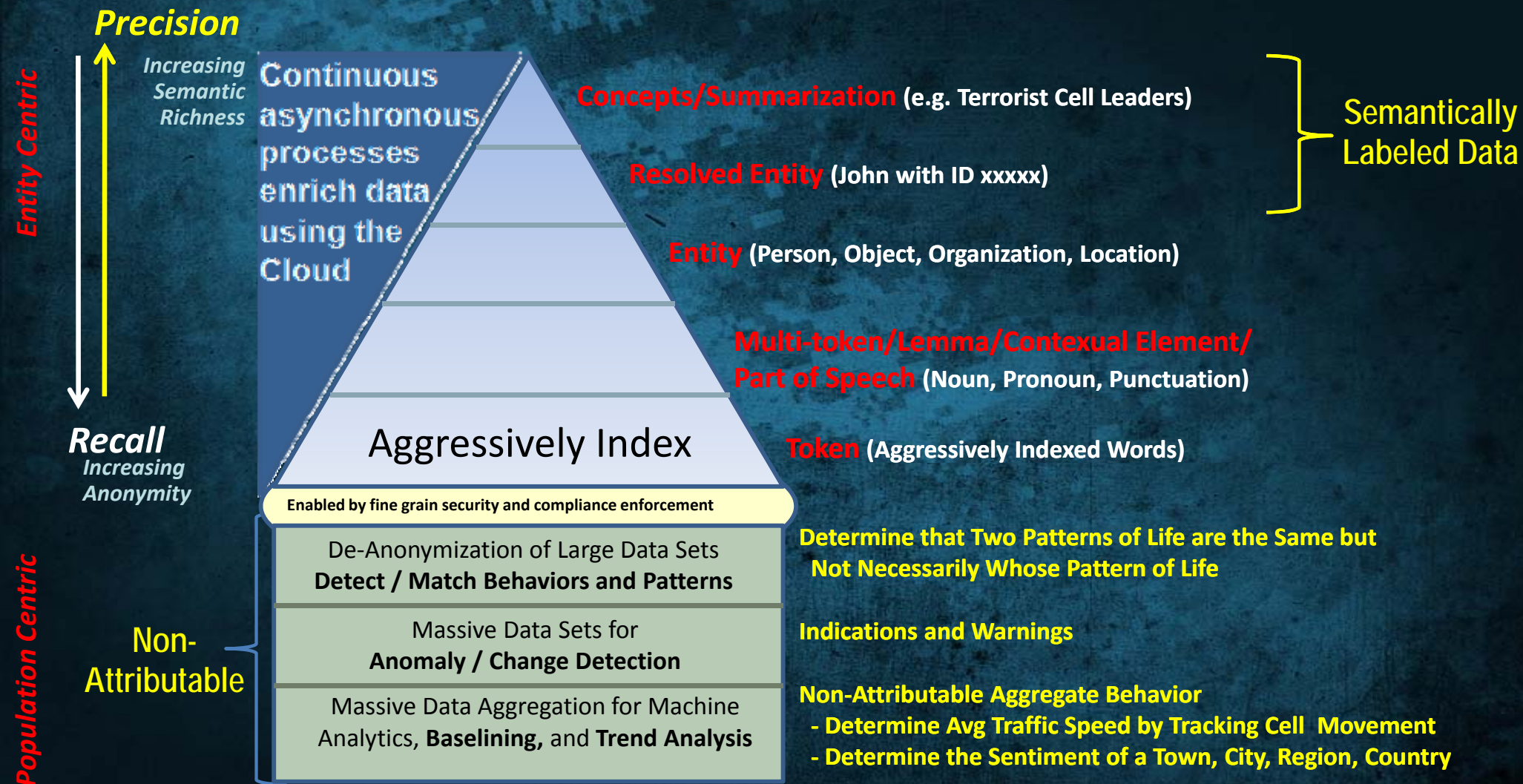


**Dr. Russell D. Richardson, G2/INSCOM Science Advisor**





## Solving the Precision / Recall Conundrum with Semantic Enrichment of the Data

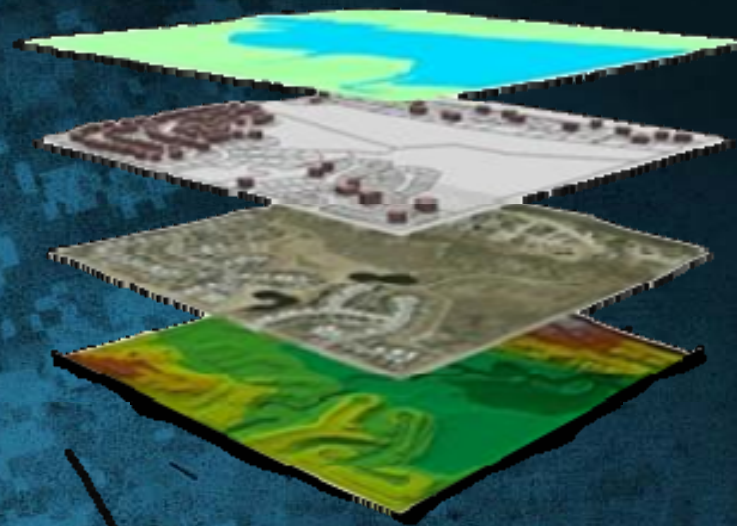
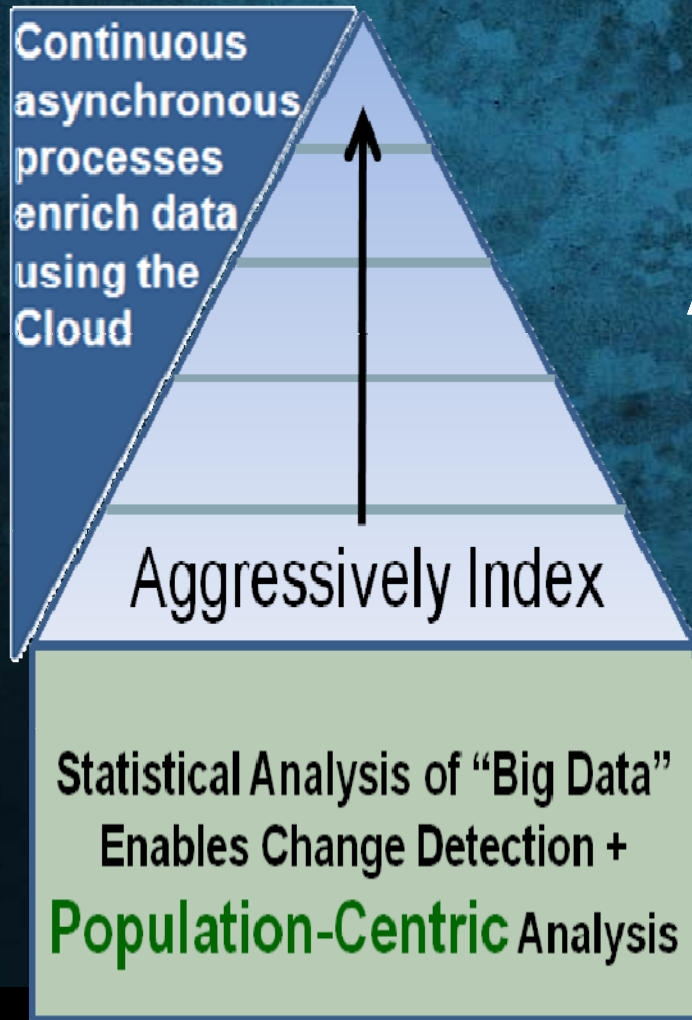




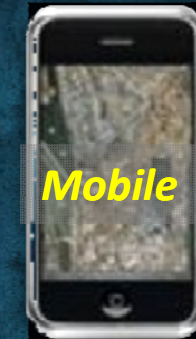


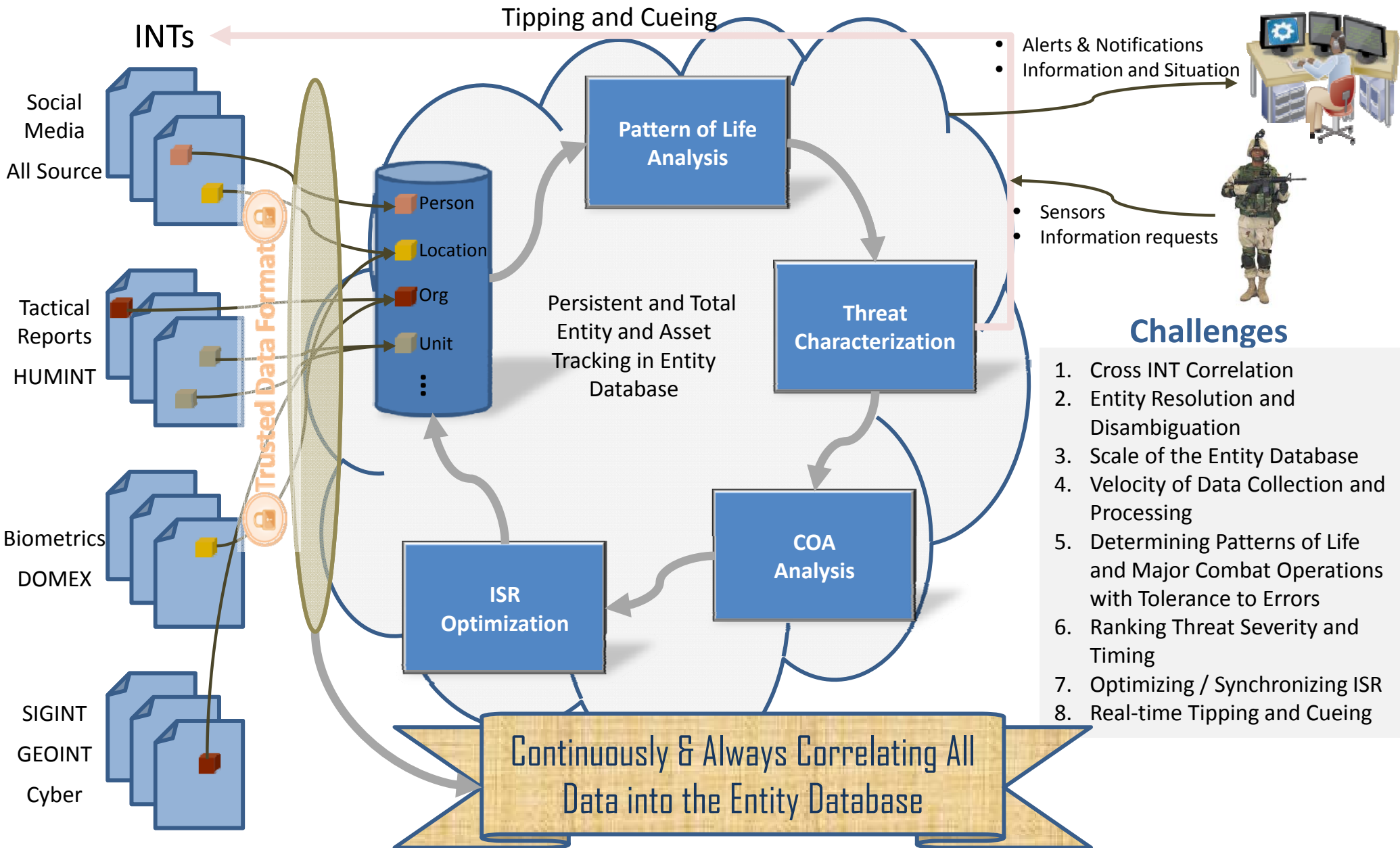
AMERICA'S ARMY:  
STRENGTH OF THE NATION

# Extending Cloud-Enabled Advanced Analytics



All-Source Analytics for 'Big Data' with Advances in Geospatial Indexing, Voice Index and Search, Biometric Entity Management, Motion Imagery Tracks, Multi-INT Visualization, Collection Management, Support for Mobile Devices, Powerful Compute Platforms, Multi-Level Security, IC Shared Software, ....





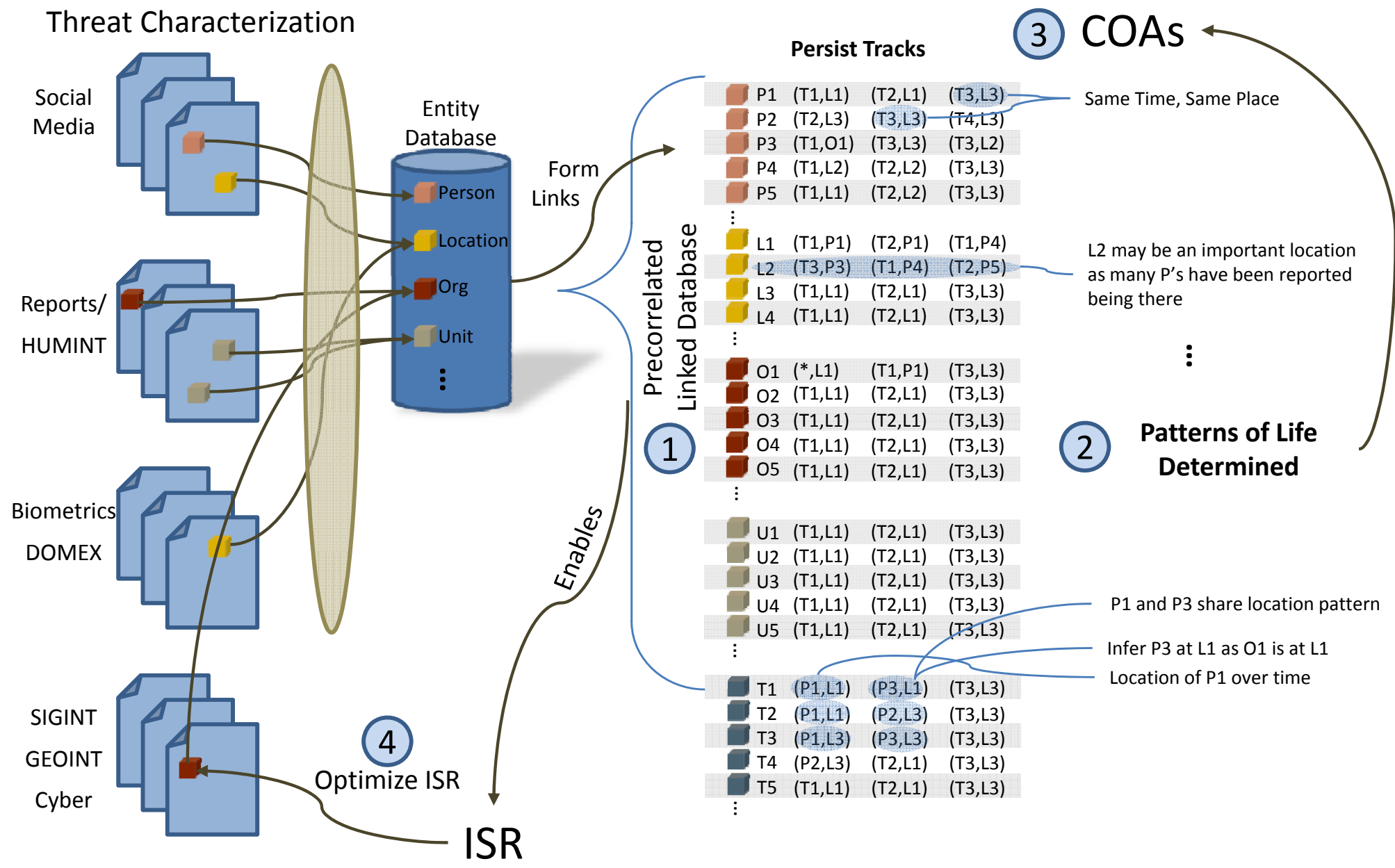
## Challenges

1. Cross INT Correlation
2. Entity Resolution and Disambiguation
3. Scale of the Entity Database
4. Velocity of Data Collection and Processing
5. Determining Patterns of Life and Major Combat Operations with Tolerance to Errors
6. Ranking Threat Severity and Timing
7. Optimizing / Synchronizing ISR
8. Real-time Tipping and Cueing





# Need to Work Entity Tracking





# The DCGS-A ICITE Cloud (aka Red Disk) at-Scale Entity Database

