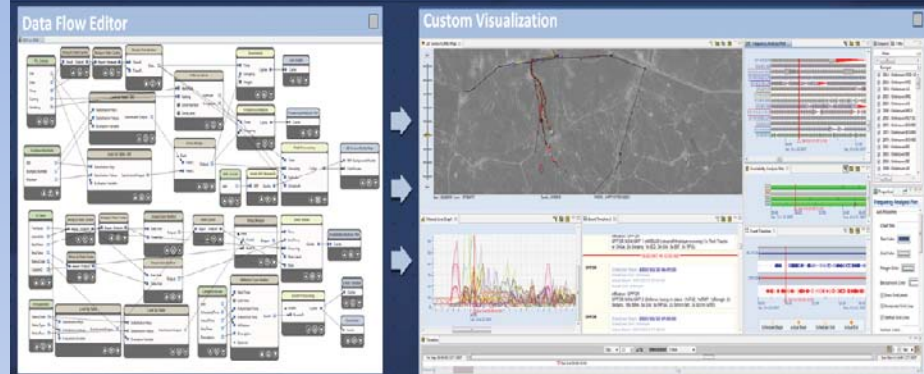


# Case Study:

## Process Oriented Data Visualization Framework (ProDV)

- High-level visual programming environment for creating custom visualizations in support of data analysis
- Couples visual analytic techniques with Coordinated Multiple Views (CMVs) to meet analytical requirements
- Flexible framework design supports non-domain specific data
- Interactive features facilitate data exploration



The data flow interface provides users a high-level visual programming environment for creating custom visualization applications using components of the software framework. This example shows a data flow that integrates test data from multiple sources to produce a collection of multiple visualizations linked to a common timeline in order to support advanced analysis of both spatial and network data.

- Funded by U.S. Army Operational Test Command
- Total funding: \$1.9M over 6 years
- Army Tests supported:
  - OASIS: Ft. Hood Texas (Simulation data)
  - Nett Warrior: Ft. Riley Kansas (Soldier data)
  - INA: Ft. Bliss Texas (Network data)
- 20 User training sessions conducted

- Results
  - Desktop application supporting Army need for visualization of large and diverse data sets through visual analytics
  - Approved for use on Army networks with Certificate of Networkiness
  - Reduces analytical time requirements through use of custom visualizations
  - Fully developed user-training program of instruction (POI)z