# Fovea Information Security Threat Modeling Through Log Analysis

## Problem

- Situational awareness is critical to mature information assurance
- The data are there, but complex systems generate complex logs
- Security staff at a local financial software company **spent so much time collecting and processing data, there was no time to analyze them deeply**
- We lacked a long-term trending capability

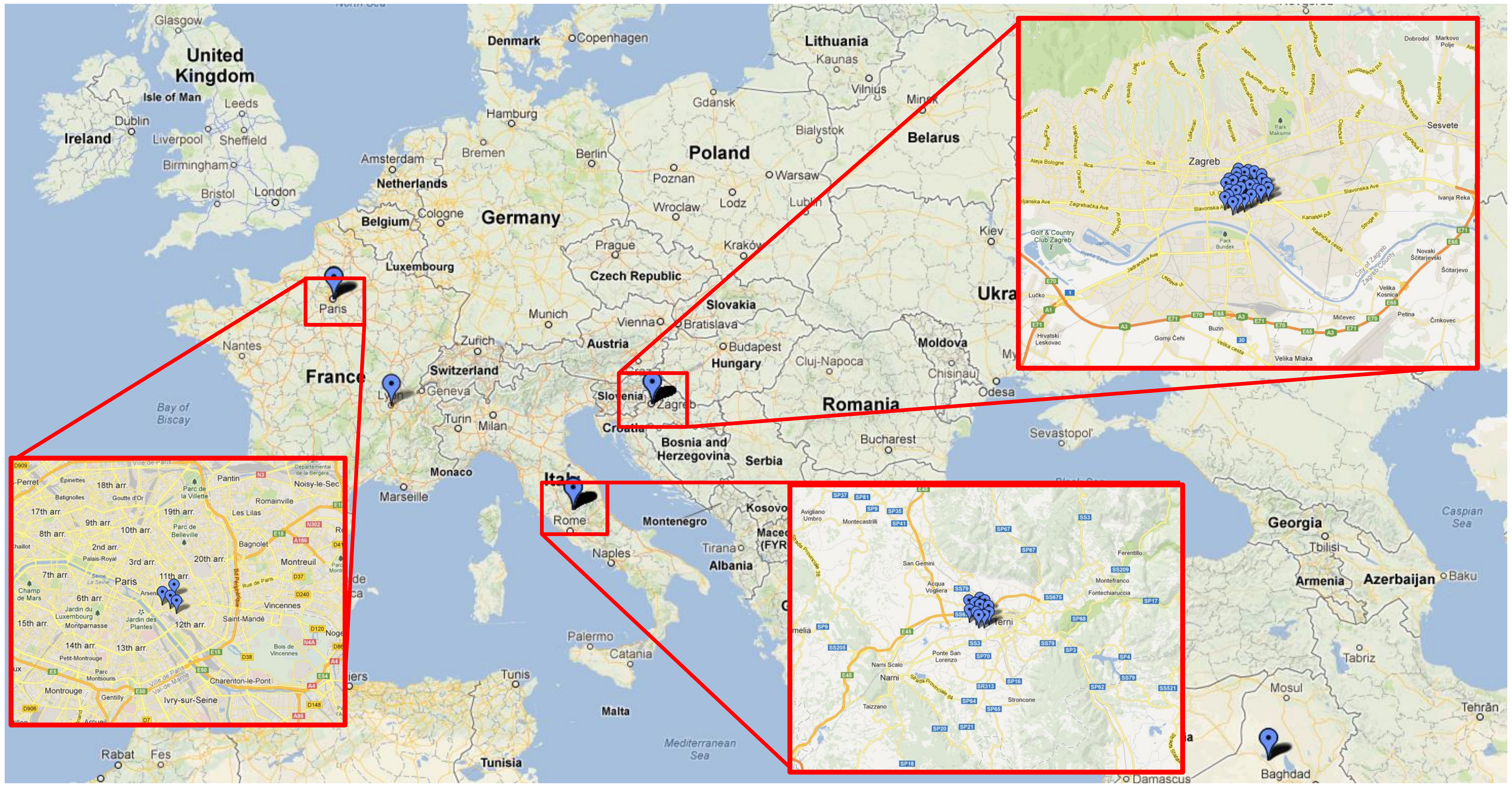
## Solution

- **Security Information and Event Management (SIEM)** tools streamline log collection and analysis
- Fovea is a custom SIEM that includes a variety of novel, mission-specific analysis and enrichment tools, including geomapping and cross-referencing lists of known threats

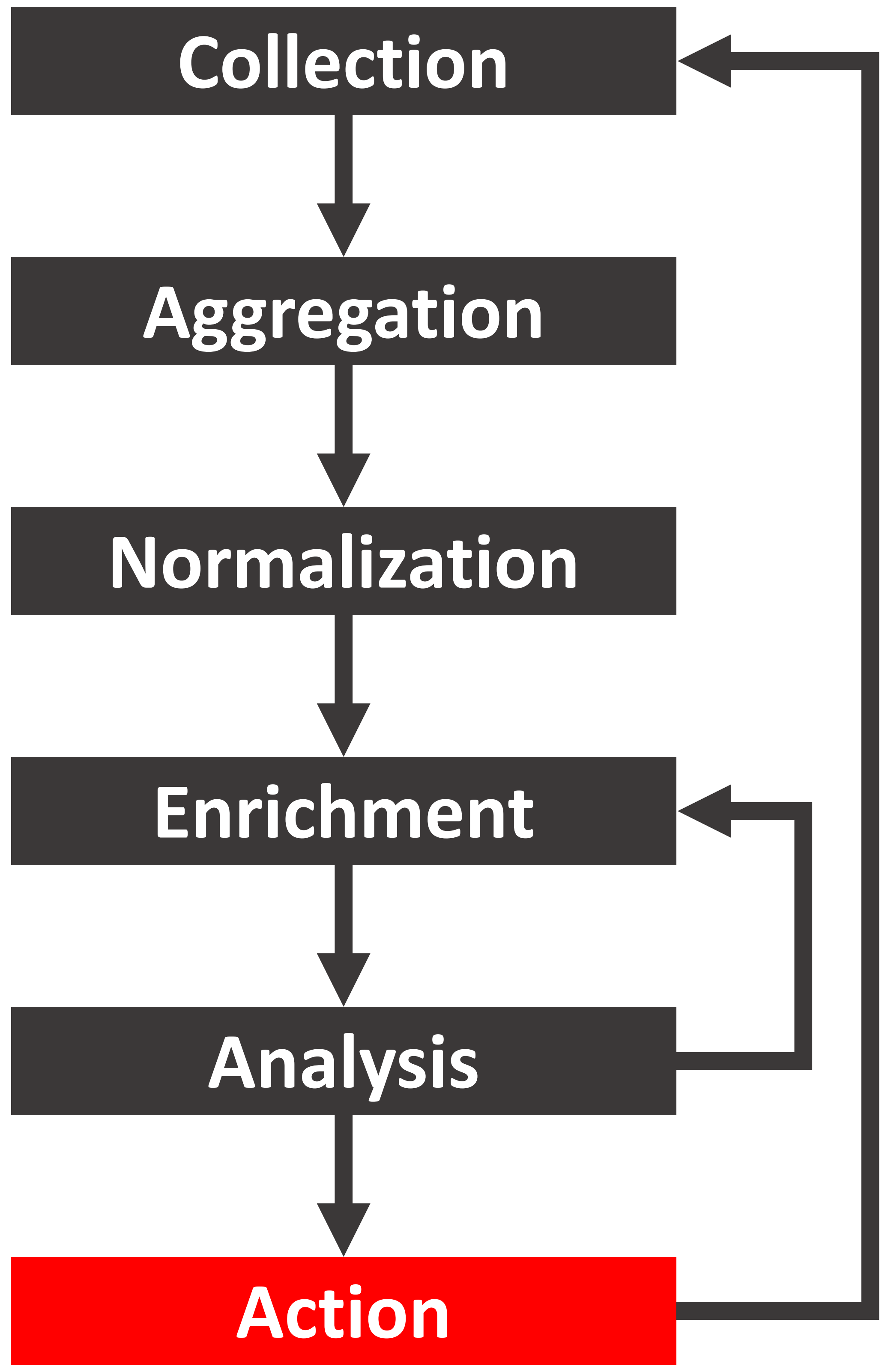
## Results

- Comprehensive threat picture shows we are **not a long term primary target**
- Discovered traffic from addresses on FBI's list of known hacktivist IPs during Anonymous' OpUSA distributed denial of service (DDoS) attacks in early May
- Discovered serious network misconfigurations that create unnecessary risk and operational cost, and reduce situational awareness

## Distributed Denial of Service (DDoS) Threats Hitting our Network



## Processing data with a SIEM



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