

PREVISION

PREVISION provides advanced near-real-time analytical support for multiple **big data streams** (coming from Online social networks, the open web, the Darknet, CCTV and video surveillance systems, traffic and financial data sources, and many more), subsequently allowing their **semantic integration** into dynamic and self-learning knowledge graphs that capture the structure, interrelations and trends of **terrorist groups and individuals, cybercriminal organizations and organized crime groups**, giving rise to enhanced situational awareness in these fields.

PREVISION partners will take advantage of their **capabilities, expertise** and **previously delivered research**, together with already defined and emerging standards and **best practices in Europe**, so as to focus their resources and attention to the new elements and novel aspects of the project. The overall strategy in the execution of the PREVISION project is based on an iterative development methodology, which involves **frequent software releases** being made available to the **LEA and practitioners end-users** for testing and evaluation, resulting in keeping them continuously in the production loop. The PREVISION Platform will be deployed in 10 different demonstrations, managed by the different LEAs and practitioners of the consortium.

- Crawling & Analyze data from heterogeneous data streams
- Advanced Behavioral and Near Real Time analytics
- Advanced knowledge graphs for associating data
- Trend analysis & multivariate behavioral anomaly detection
- Continuously & Autonomously learn from using Machine Learning and Anomaly Detection techniques
- Advanced tailor made dashboard and Visualization Tools
- Futura proof Framework & Compliance with legal, ethical and privacy rules of EU

