

*Femto-ST, research Institute linked to UBFC & CNRS*



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## Targeted (sub)topics

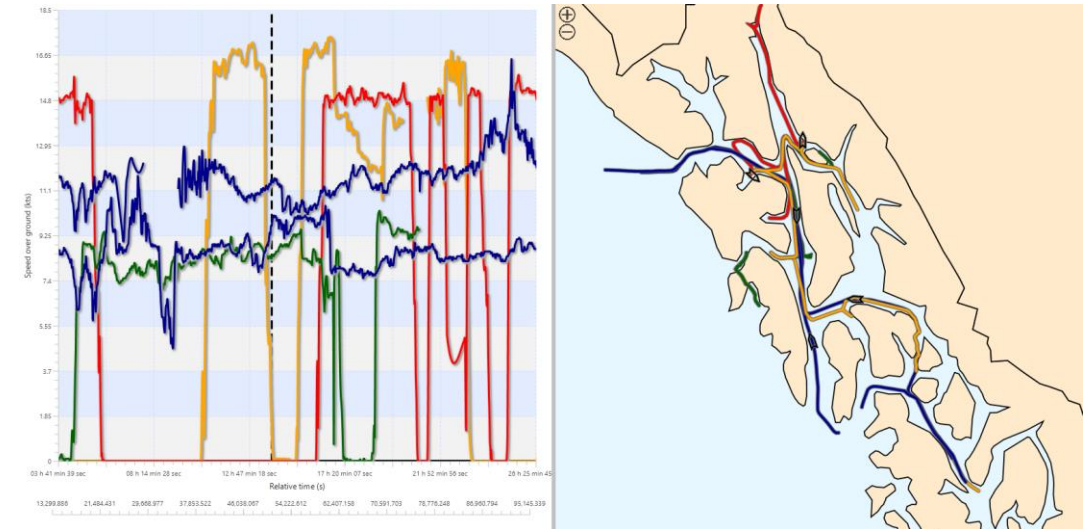
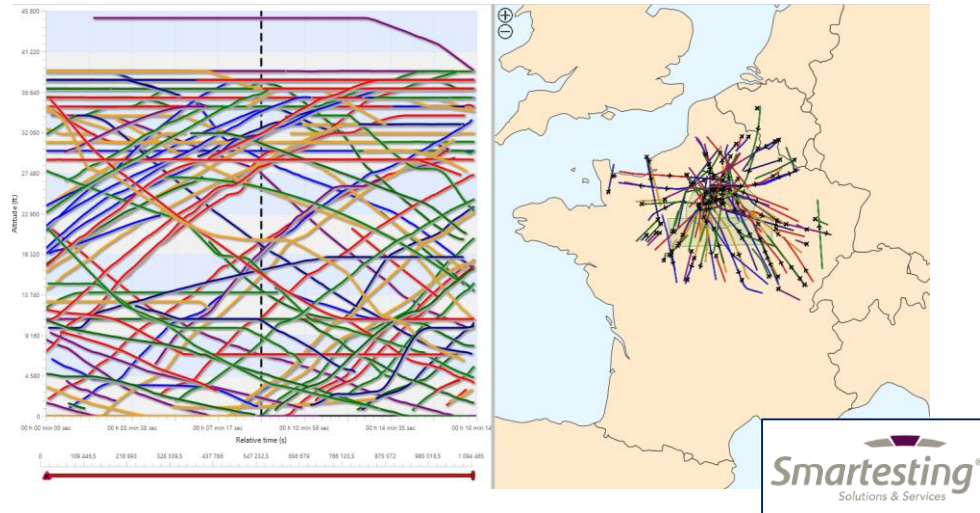
- **SU-AI02-2020** : Secure and resilient Artificial Intelligence technologies, tools and solutions in support of Law Enforcement and citizen protection, cybersecurity operations and prevention and protection against adversarial Artificial Intelligence
- We are interested to be involved in security / AI / testing related calls.

# Competencies

- FDIA Generation & Detection (Cybersecurity of Transportation Systems)
- Synthetic Data Generation for AI Testing (for anomaly detection for instance)
- ML-driven Test Generation & Priorisation
- Cybersecurity of IoTs
- Experience in the European project
  - **FP7** – RASEN – Compositional Risk Assessment and Security Testing of Networked Systems (<http://www.rasenproject.eu/>)
  - ANR/ASTRID – GeLeaD – Generate, Learn and Detect (<https://projects.femto-st.fr/gelead>)
  - ANR – PHILAE – From Model-Based Testing to Cognitive Test Automation (<https://projects.femto-st.fr/Philae>)
- Skills: **Research provider** in ML anomaly detection / Test Generation / Security Testing

# Tooling

- False Data Injection Testing for Air Traffic Control (ATC) & maritime domain.



- Data Acquisition of ATC surveillance data from Opensky (<https://github.com/Wirden/traffic>)
- AgilKia (<https://pypi.org/project/agilkia/>)  
*Machine Learning driven testing*

