



HORIZON 2020

Space for Climate & Smart Mobility



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#H2020Paris



Big Data and Data Science for Security Assessment

Topic: Security / Cyber security / Safety
Big Data / SOC / Data Science / Data Mining /
Machine Learning

- We have a project idea and look for partners



+ Big Data and Data Science for Security Assessment

- *Massive Data Capturing and Processing capabilities open the door to new assessment technics related with prediction and uncertainty management:*
 - *massive data can be registered real time in a very wide spectrum of observation streams*
 - *data science offers a powerful tool box of various data processing analysis and mining process*
 - *any strange correlation or unattended repetition of patterns can be systematically adressed by these algorithms, while extracting relevant meaning in a serendipity reasoning context*
- *Following Security Analysis mechanisms issues should be improved or enhanced owing to Data Science:*
 - *SOC specification and operational configuration*
 - *Data Mining / Weak Signal analysis*
 - *any added value in terms of Security which could be arisen by IA processing*
- *Different focus are highlighted in this project:*
 - *how can hostile interaction or attack be detected ?*
 - *how can data strictly part of an operational context help identifying suspicious interactions or threats?*
 - *how can predictive and classification capabilities of IA plugins be part of a defensive and detective toolbox of an IT environment ?*



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- *APSYS skill: RAMS, ILS, Security / Cyber security, SMS, Human Factors*
- *The partner we are looking for:*
 - *An (or Two) End User (s): who develops security critical software for space or smart mobility applications*
 - *A technology provider: who develops plugins or software applications in IA domain: Data Science, Deep Learning, Machine Learning...*



Contact

- BLAIZE Raphael / ABLY Laurent
- APSYS
- Business Unit Product Security
- Raphael. Blaize@apsys-airbus.com
- Laurent.Ably@apsys-airbus.com
- +33 (0)1 72 87 96 65
- www.apsys-airbus.com