



# HORIZON 2020

Space for Climate & Smart Mobility



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## **Model Based Approach for Safecurity Assessment\***

**Topic: Security / Cyber security / Safety**  
**Model Based Safety and Security Analysis**

- We have a project idea and look for partners



## + Model Based Approach for Safecurity Assessment

- *Model Based Safety Analysis approach has already experienced great success :*
  - *most of the time it can be interfaced with Model Based System Engineering technics and methods*
  - *it is based most of the time on a formal language*
  - *it is very fruitful to generate high added value content automatically*
- *Why not envisage Model Based Safety and Security approach in a unified methodological framework*
  - *using a formal language adressing Safety and Security issues in an unified approach*
  - *able to describe and simulate software or physical or mixed attack trees or chains*
  - *having a simultaneaous focus about software or physical vulnerabilities / weaknesses as well about the point where their impact are converted into a safety sensitive chain of effects*
- *Different subjects are integrated in this project:*
  - *what kind of language to choose?*
  - *how to produce the models?*
  - *how to process the models and what for?*



## + Model Based Approach for Safecurity Assessment

- *APSYS skill: RAMS, ILS, Security / Cyber security, SMS, Human Factors*
- *The partner we are looking for:*
  - *An (or Two) End User (s): who develops safety and security critical software for smart mobility applications*
  - *A technology provider: who develops software environment for security assessment / or we can be the tech provider in possible association with a market player*



## 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](http://www.apsys-airbus.com)