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AUROLA SUMMIT

OLOS
16.-17.1.2018

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INTERNATIONAL TEST ECOSYSTEM SESSION

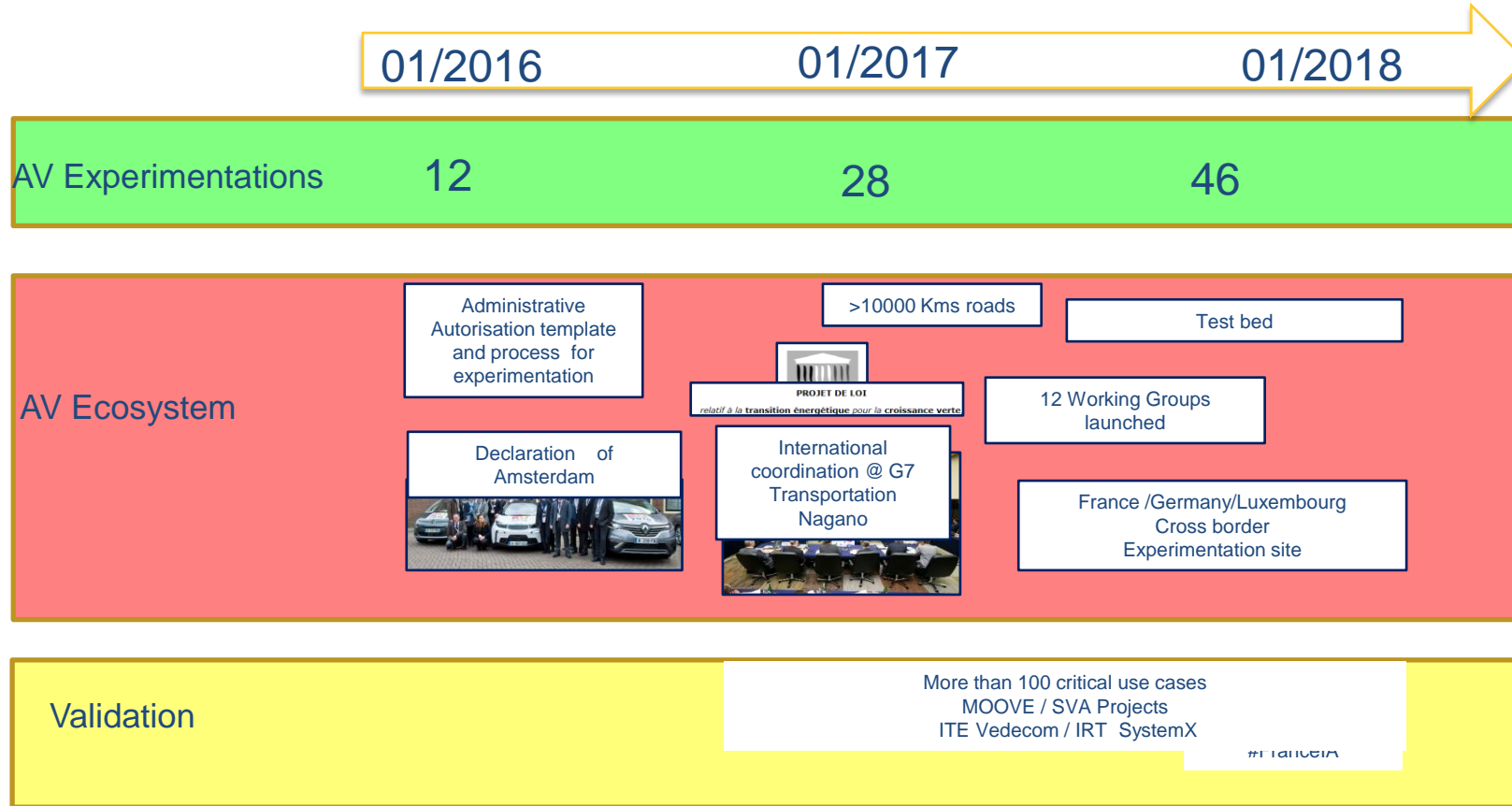
**French National Program
for
Connected & Automated Vehicle
Focus on validation**

AUTOMATED DRIVING FRENCH NATIONAL PLAN

- **Affordable automated vehicles for all from 2020**
- **3 ambitions :**
 - a place for autonomous vehicle experimentation
 - a center of excellence for embedded intelligence technologies
 - a place for key players collaboration within critical system
- **5 Goals**
 - Set the French regulatory/legal framework and AV ecosystem
 - Demonstrate safety
 - Invest on Key technologies
 - Demonstrate social benefits through experimentations
 - develop customers awareness and acceptance
- **Strong cooperation between administrations, academics & industries**
Scope: car, shuttle, bus, industrial vehicle, mobility services

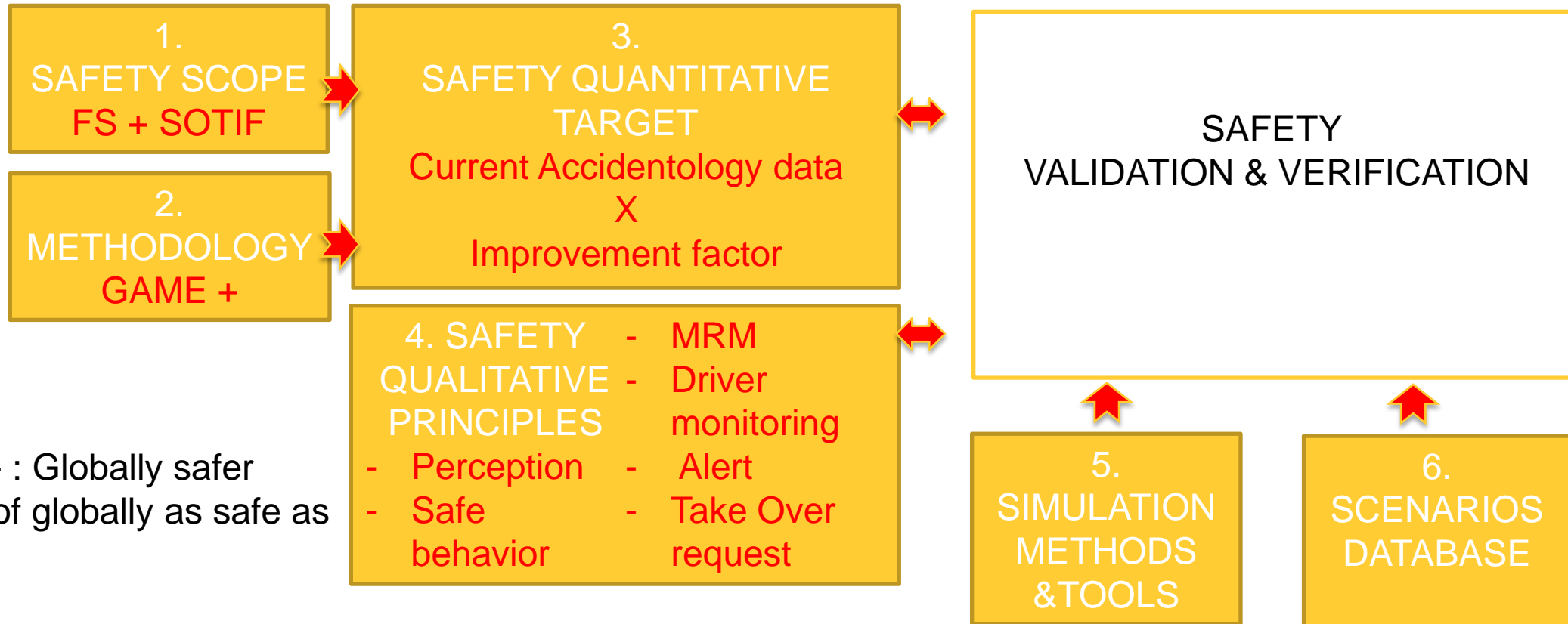


ACHIEVEMENTS



FRENCH AD SAFETY APPROACH

Validation of road safety Improvement with AV

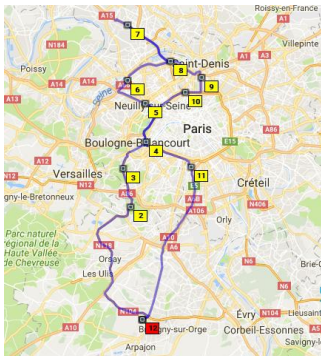


GAME + : Globally safer instead of globally as safe as

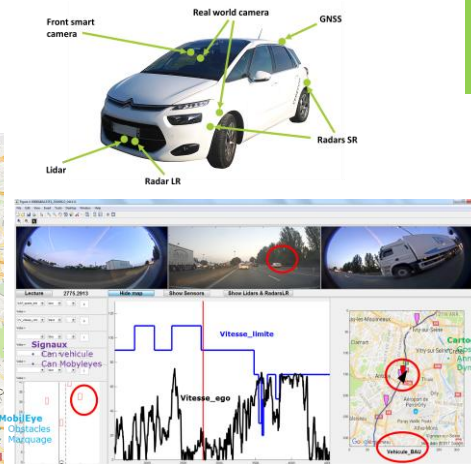
SCENARIO IDENTIFICATION (MOOVE Project)

1. Real world driving safety critical scenarios (SCS)
2. SCS occurrence statistics
3. New SCS

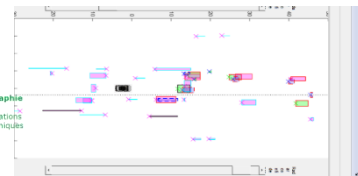
0. Use case Definition & Targeted scenarios



1. Data collect



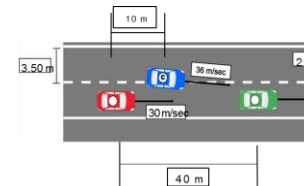
2. Data transformation at common format



3. Calculation of high level parameter (Sensors independant)

- Relative_Velocity_X
- Relative_Velocity_Y
- Absolute_Velocity_X
- Absolute_Velocity_Y
- Relative_Accel_longi
- Accel_longi
-
- Time_To_Collision
- Time_Between_Vehicles
- Status_Mobile
- Pos_X
- Pos_Y

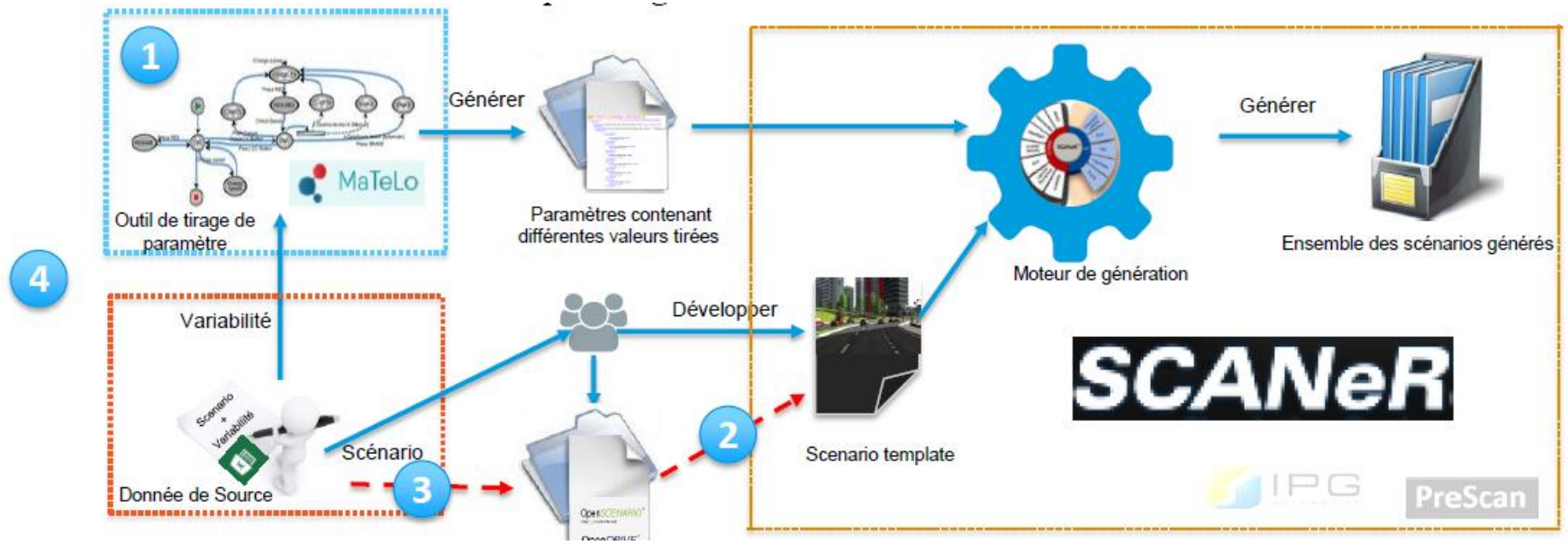
4. Scenario searching and clustering



DIGITAL SCENARIO LIBRARY & TEST CASE GENERATION (SVA Project)



- 1. Simulation platform
- 2. Digital Scenarios library



WHAT ABOUT EXCHANGING SCENARIO ?

IN EUROPE

AT LEAST AT THE CRITICAL USE CASES DÉFINITION LEVEL

Thank you

Christian Rousseau

christian.rousseau@renault.com