

E-call issues for Autoroutes-Trafic and motorways operators

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Autoroutes-Trafic

- It all started in 2003....
- Operate traffic information services for french motorways companies
- AT currently gathers 9 out of 15 motorway companies and 99% of the total network in km.



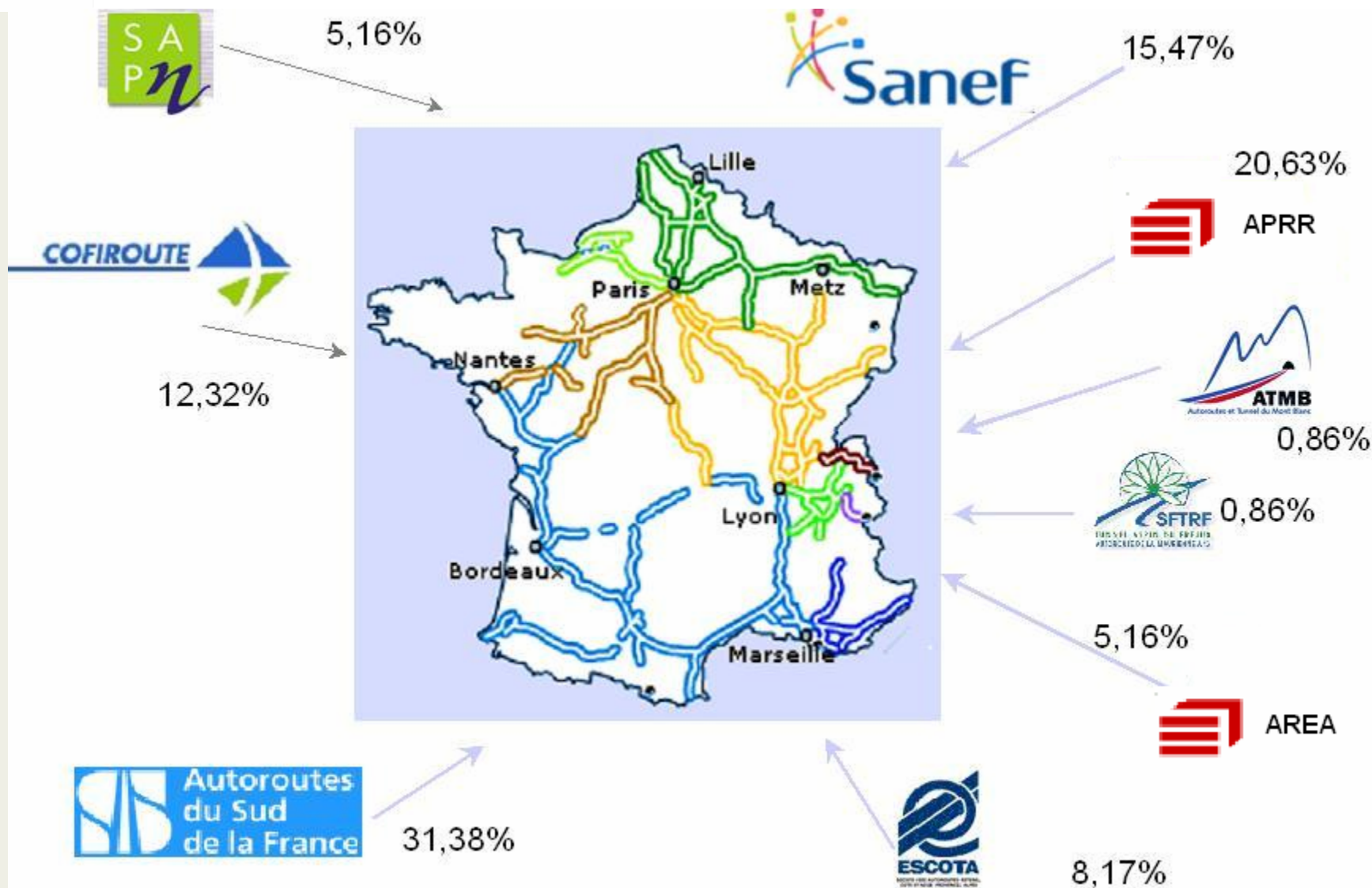
APRR



AREA



Shareholders



Autoroutes-Trafic platform

- **Collect traffic data information coming from**
 - French motorways operators
 - French ministry of transport
 - Local authorities (Lyon, Paris, Toulouse)
 - Others European sources (ACESA, ADF, ...)
- **Aggregation of traffic information services for media broadcasters**
- **Consistent and homogenous traffic data flow**
 - 2 main customers in TMC broadcast
 - V-Trafic (Mediamobile) and ViaMichelin

14 different sources

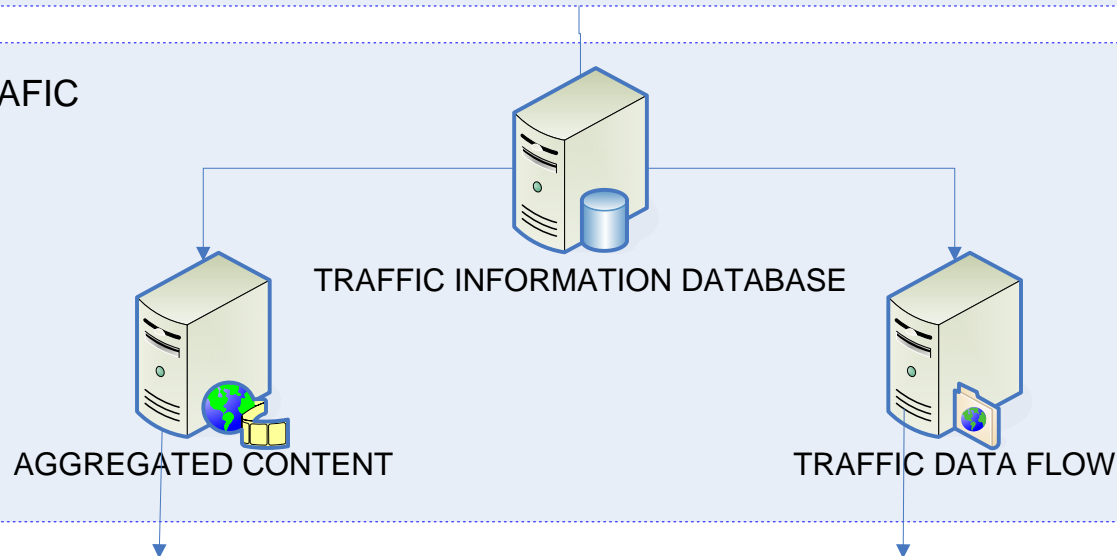
Data providers :

- French motorways operators
- French Transportation Departement
- Others European sources



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AUTOROUTES-TRAFIC PLATFORM



B2B2C Customers

plasma display

internet

interactive voice response

television

mobile internet

B2B : Navigation System

TMC
Diffusion

Examples of media content

WebTrafic content

- WebTrafic content
- Synthetical maps
- Total audience :
 - 40 millions pages / year
 - 20 web sites



Broadcast of webtr@fic over websites




Mobile Internet WAP / I-mode



- Complete development of a mobile service
- Under contract with three french telecom operators
- Integration of geo localisation

AUTOROUTES
TRAFIC

VENREDI 

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Plasma screen in services areas



Commercial TMC diffusion

- AT is a data provider for the French RDS-TMC broadcasters
- V-Trafic licenses to Renault, BMW, PSA, TOM-TOM, ...
- ViaMichelin licenses its service to Peugeot and Citroën
- Around 600.000 vehicles in France able to receive TMC traffic information



ASF and Autoroutes-Trafic E-Call Experimentation

E-call issue

- E-call allows a communication from the vehicle the infrastructure
- Data also collected within E-call projects are :
 - Critical : accidents data, ...
 - Qualified : data are verified by Authorities or dedicated entities
 - Accurate : geographical location

E-call issue

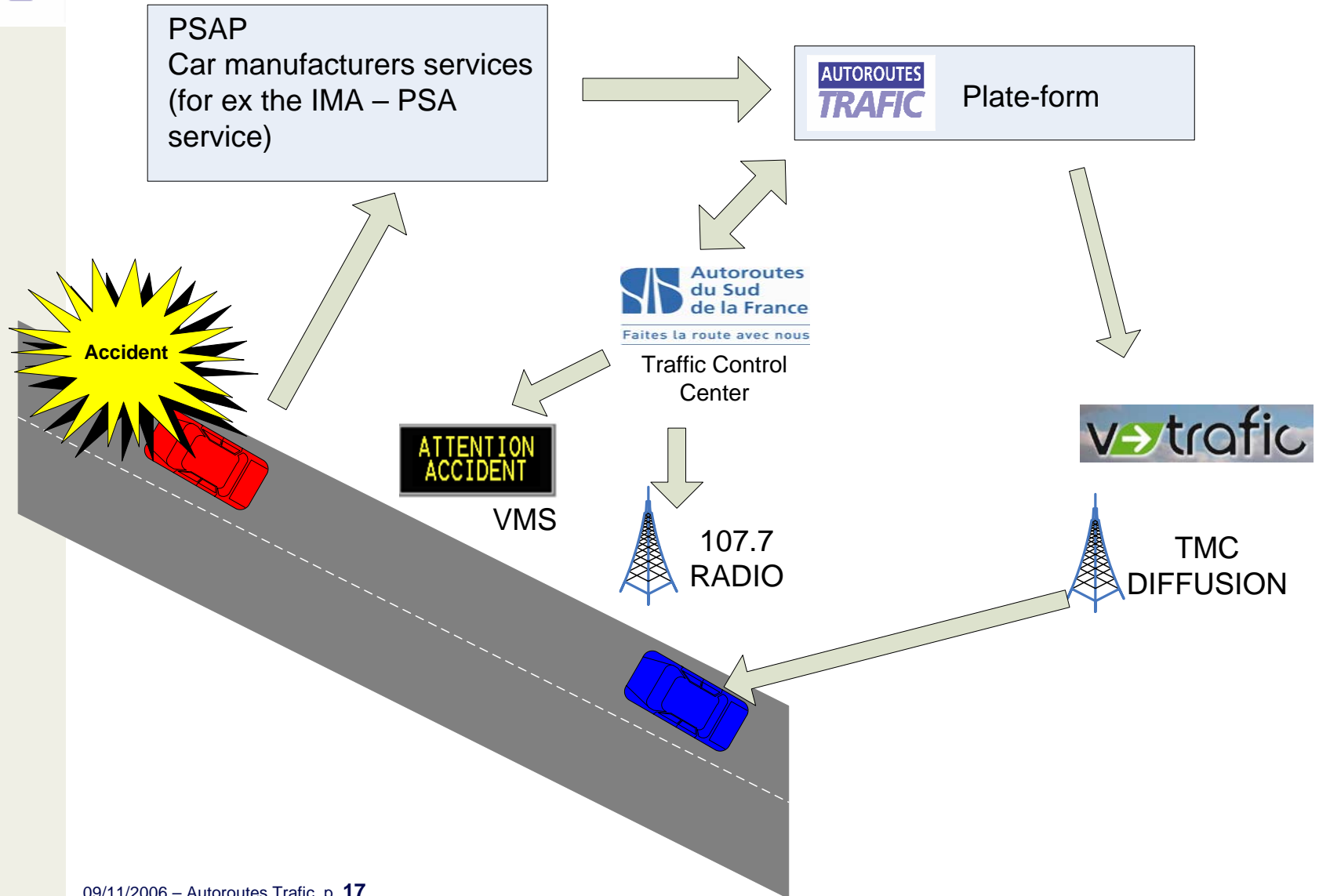
It is now possible for the motorway operators :

- To collect traffic the e-call critical data directly from the vehicles
- To consolidate, improve and verify the traffic information
- To broadcast these consolidated traffic information toward the usual medias :
 - VMS
 - 107.7 motorways FM radios
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 - But also over medias like TMC through Autoroutes-Trafic platform

Initiative : E-call Application for traffic information

- Autoroutes-Trafic and ASF (Autoroutes du Sud de la France) has decided to develop a concrete experimentation
- Improvement of :
 - Delay in incident detection
 - Information quality and accuracy
 - Users safety
- Based on :
 - Automatic collection of e-call data
 - Automatic diffusion of a qualified accident information on media like VMS and radio
 - Automatic diffusion on RDS-TMC services

Target architecture



Tasks

- Building an interface between PSAP and AT platform :
 - An Interface Specification has to be defined
 - Location reference issue :
 - Conversion of a geographical data into a curvilinear location system used by motorways operators
 - AT will ensure these conversion operations
- Building an interface between AT and motorway operators
- Adaptation of the motorway operator traffic information system to broadcast these data on VMS and radio

Organization

- Initiative launched by ASF, Autoroutes-Trafic and ASFA (french motorway association)
- Need of a partnership with PSAP or cars manufacturers to define and operate the interface
- Strong interest to integrate another motorway operator in the project, especially foreign