

French Operational Test

Example & Ideas

Work done by the group

Analysis

Objectives and timetable

Telematic Working Group, Bordeaux Jan. 2011



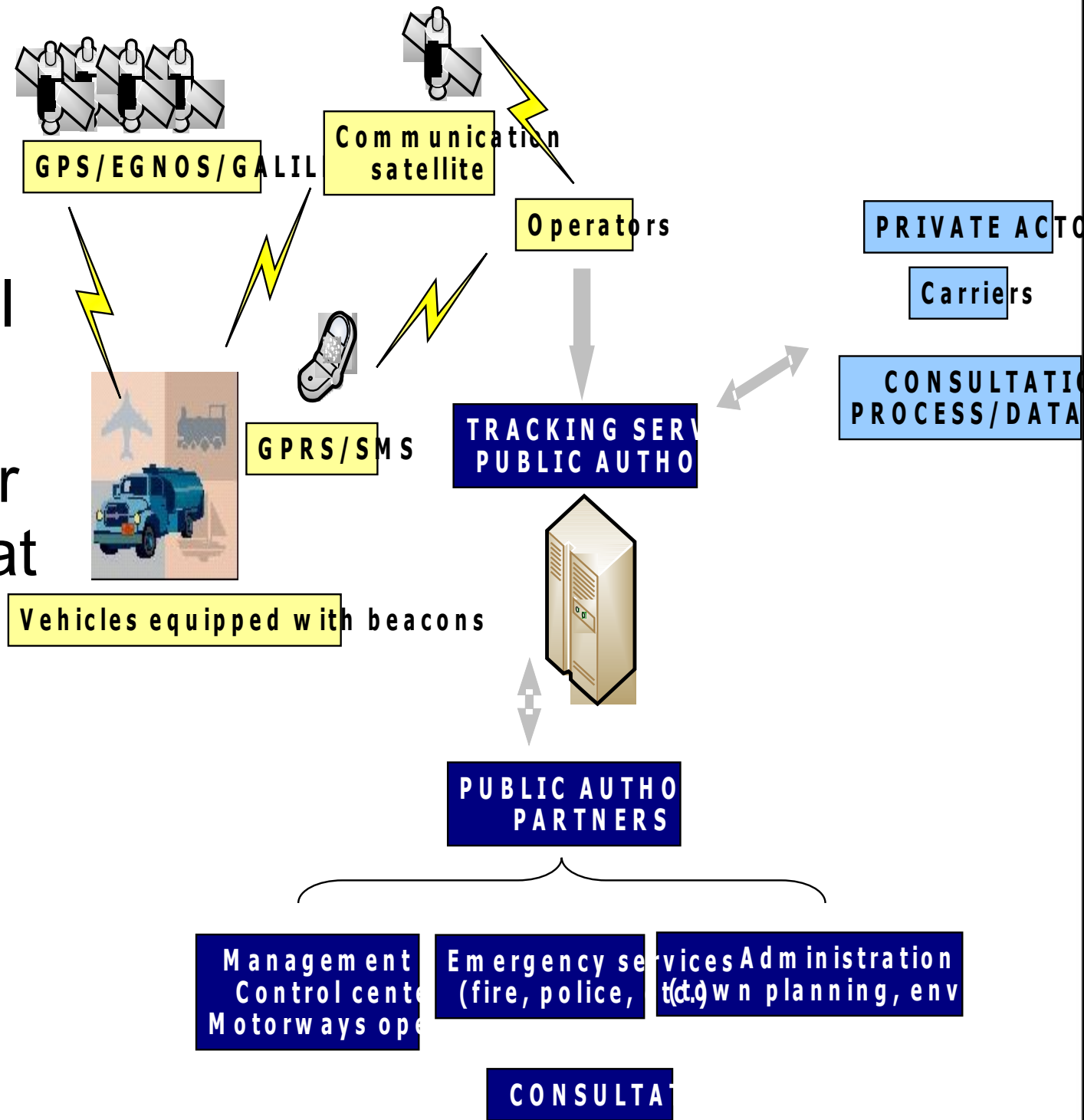
Présent
pour
l'avenir



Ministère de l'Écologie, du Développement durable,
des Transports et du Logement

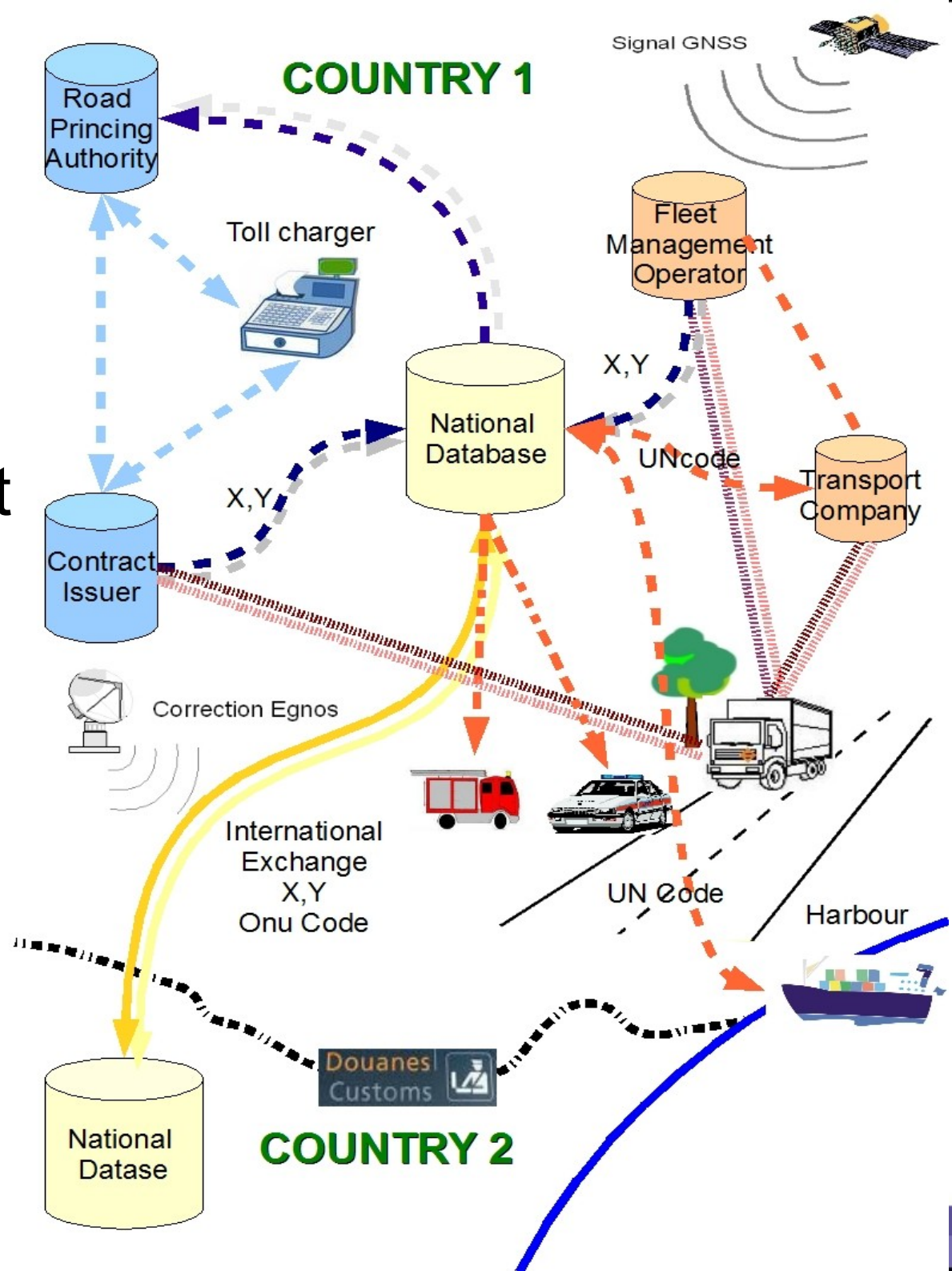
Example

- One national database
- Each partner has its format



Ideas

- Each actor transmits in the same format the data in his possession
- Capability for exchange
- Cross Border exchange



Work done by the group

- Validated list of 70 attributes and parameters
- Use of attributes and parameters
- Link with other projects (EasyWay, Scutum)
- Modeling process (Germany)
- Beginning of analysis of solution for implementation regarding the impact (France)

Result of the analysis

- General state of the art throughout projects: 4 French, 7 European, 4 American (end of 2009)
- Volume of data to exchange
- Organisation of transport companies
- Interest for stakeholders
- Structure of data base

Volumes of data

- For position: depending on the project, one position needs around 200 bits in binary format and 2000 bits in xml format
- Linked to GNSS, one location every second is the shortest time to get information
- Conformity with mobile telecom network (3G/3G+) limits the time slot to send information
- Number of trucks tracked simultaneously defines also the volume depending on server

Organisation of transport companies

- Nearly 100% of trucks are geolocated
- Information about goods: depending on the account and information system
- Technical parameters of the truck, engine, trailer and load compartment: low deployment

Interest of stakeholders

- Driver: interested in information on local constraints
- Consignor: interested in knowing exact location of load
- Filler, Consignee, loader: needs to organise loading and unloading
- Infrastructure manager: interested in alert in case of incident
- Road Transport Controller, Police, customs officer: increasing the control

Data base structure

Centralised

- Advantage
 - Access to data for all actors
 - Dissemination of alerts
- Disadvantage
 - Volumes
 - Administration

Distributed

- Advantage
 - Volumes of data
 - Time to access for local actors
- Disadvantage
 - Access to data for all actors
 - Request time
 - Volumes of exchange

Objectives for France

- Verify compatibility of the modeling with technical and implementation constraints
- Propose a methodology to drive the implementation
- Propose a structure for the Data base
- Manage a pilot

Items for 2011

- Survey to identify the impact of data exchange implementation for the stakeholder
- Preparation for analysis of the data base structure
 - Centralised at European level
 - Centralised at Country level
 - Distributed at companies level ...
- Preparation of the experimentation
 - link with other projects (SCUTUM, Geofence MD ...)
 - Identification of partners (transport companies, fleet manager...)

Items for 2012-2013

- Definition of a methodology for implementation at country level
- Experimentation as FOT
 - First experimentation around Lyon
 - Extension of the experimentation to larger area with French partner
 - Link with another country for exchange of data when transport crosses the border

Thank you for your attention

Questions?

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