

# DATEX II

## DATEX II for crisis management ?



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- Context : Organisation of crisis management in Ile-de-France
- Feedback on winter road maintenance (2018)
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# Context :

## The Direction des Routes Ile-de-France (DIRIF) manages a large road network

- **770 km** highways (national road network) most of whom **450 km** motorways
- **500 km** slip roads and access ramps
- **23 tunnels** covering **300 m**, which poses security challenges



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# DiRIF : List data exchange interfaces

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Partners/Payload	Date	Goal	Type/Interface
<p><b>DiRIF</b></p> <p>measurement</p>	Since 1988	<p><b>Automated collection data</b></p> <p>Loop counter (System owner)</p>	<p><b>MANAGEMENT</b></p> <p>Front end MIVISU (protocol LCR)</p>
<p><b>PTV France</b></p> <p>Public tendering process awarded for 3 years</p> <p>calculationTime</p>	2015	<p>FCD (External sourcing)</p>	<p><b>MANAGEMENT/PUBLICATION</b></p> <p>Files csv provided by the supplier on a web server</p>
<p><b>DiRIF</b></p> <p>VMS + other equipment</p>	Since 1988	<p><b>Publication on road equipment</b></p> <p>WMS and other equipment</p>	<p><b>MANAGEMENT</b></p> <p>Front end MIVISU (protocol LCR)</p>
<p><b>DiRIF</b></p> <p>Situation, elaboratedData, calculationTime, measurement, VMS</p>	1996	<p><b>Publication traffic data</b></p> <p>Web site Sytadin, mobile app, professional subscriber</p>	<p><b>Publication</b></p> <p>Owner ASCII files (SFTP)</p>

Partners/Payload	Date	Goal	Type/Interface
<b>APRR</b> VMS	1995	<b>Management traffic</b> Inform road users on traffic conditions	<b>MANAGEMENT</b> ASCII files (SFTP)
<b>SAPN A14</b> VMS	1996	<b>Management traffic</b> Inform road users on traffic conditions	<b>MANAGEMENT</b> ASCII files (SFTP)
<b>CITY OF PARIS</b> elaboredData, situation	1995	<b>Publication traffic data</b> Web site Sytadin / Bison futé	<b>Publication</b> Owner ASCII files (SFTP)
<b>CITY OF PARIS</b> elaboredData, VMS, measurement, calculationTime	1999	<b>Management traffic</b> Inform road users on traffic conditions around and on the first ring (BP). Dedicated lanes to buses and taxi on A1	<b>Management</b> Interface client/server owner ci Owner Extends DATEXII, Mi operating condition Function technical
laneManagement	2015		

# DiRIF : List data exchange interfaces

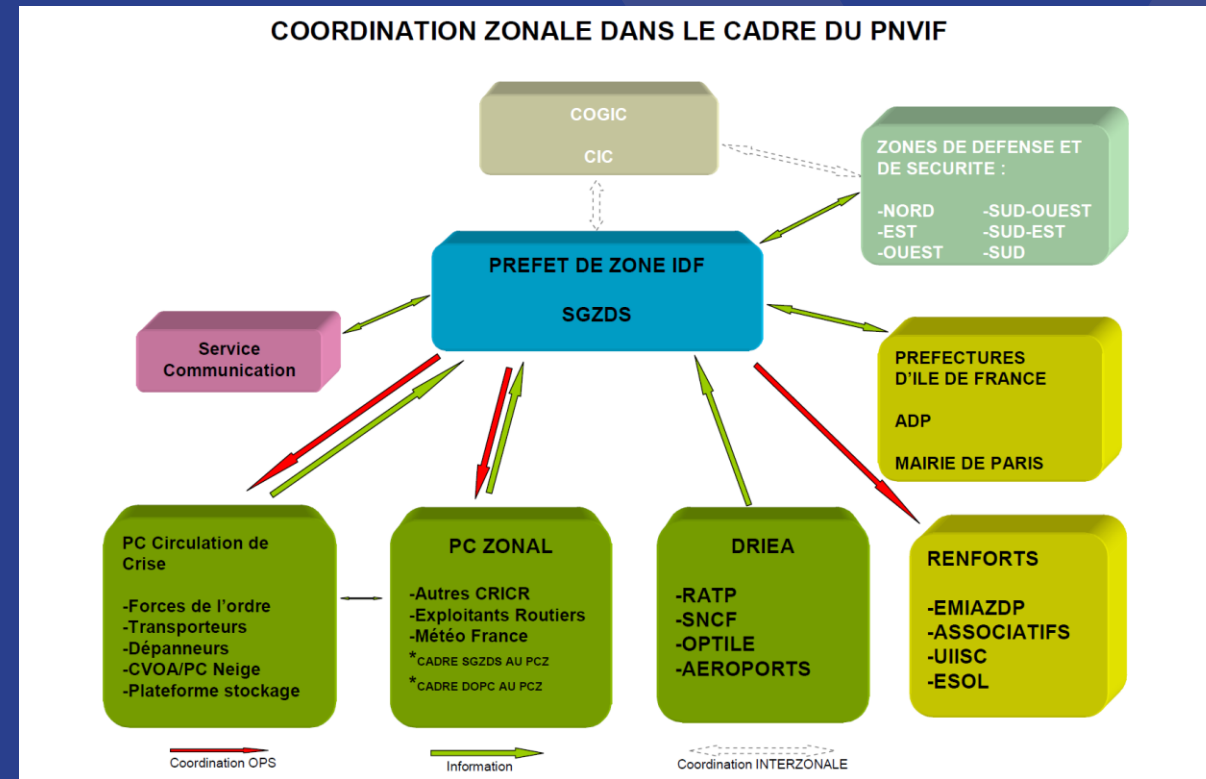
# DATEX II

Partners/Payload	Date	Goal	Type/Inte
<b>A86Duplex</b> Situation, elaboratedData, VMS, measurement, calculationTime, operator Action	2009	<b>Management traffic</b> Security management and inform road users on traffic conditions around and on Tunnels Duplex A86	<b>Management</b> Interface based on p
<b>SANEF A4</b> VMS	2016	<b>Management traffic</b> Inform road users on traffic conditions	<b>Management</b> DATEXI
<b>CD93</b> Situation, ElaboratedData	2016	<b>Publication traffic data</b> Web site Sytadin, mobile app	<b>Publicati</b> Owner ASCII file
<b>DIRIF Scoop</b> Situation, measurement	2016 2018	<b>Management Traffic</b> Automated collection traffic data and inform TCC and road users on traffic conditions	<b>Management</b> DATEXI

# Road crisis management: a regional organisation (defense zone)

Example of the plan for "Snow and Ice" in Ile-de-France

The main goal of this road traffic plan is to limit the impact of an episode of snow or ice on the highways of Ile de France



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# Feedback winter episode 6-7 february 2018

- Avenues for improvement:
  - exchange across region (defense zone)
  - exchange between road operator inside region
- Highways access management inside region :
  - Insufficient human resources (police force) and communication to ban the truck traffic
  - Technical means : automatic barriers on strategic location



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# Proposal for DATEX II to meet the requirements and needs related to crisis management

A number of elements would be needed in order to allow authorities to make educated decisions :

- Goal : to monitor truck traffic
  - Need : Develop a dashboard for truck storage capacity => Requirement : Information exchange between roads operators and PC ZONAL
- Goal : to deny access according to road condition
  - Need : know road condition in real time => Requirements : Know in real time the road condition (snow, ice), locate snowplow
- Goal : Help users blocked on the road
  - Need : Know the location and numbers of users blocked on the road => Requirement : collect information (owner means, others, ...)

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- Thank you for your attention and participation

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