

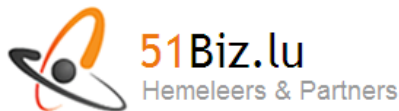


From e-CMR.Benelux to eFTI Europe

#transportlogistic2019 – München, June 5, 2019

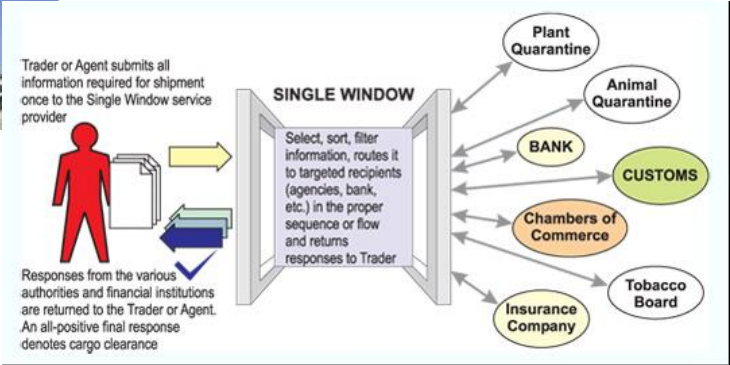
Telematics Conference - Transporting Dangerous Goods with an Electronic Transport Document

Rudy.Hemeleers@51biz.lu



51 Biz-PPMB Luxembourg

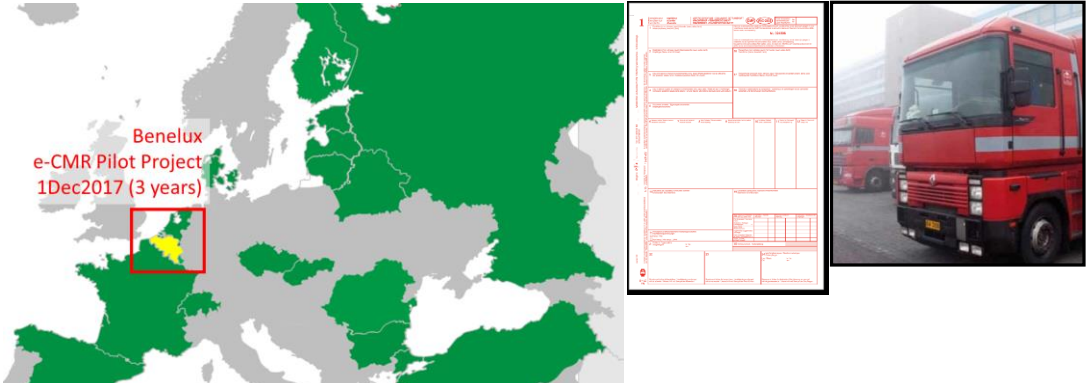
UN/CEFACT, WCO, DG Move DTLF



Fine Art and Luxembourg Freeport



e-CMR BeNeLux, eFTI Luxembourg



Digital Europe for Transport and Logistics



Belarus, Bulgaria, Czech Republic, Denmark, Estonia, Finland, France, Iran, Latvia, Lithuania, Luxembourg, Moldavia, Romania, Slovakia, Slovenia, Netherlands, Russia, Spain, Switzerland and Turkey

1

About the Benelux 3-year e-CMR pilot project (2018-2020)

The e-CMR Protocol of 20 February 2008

The image shows a standard CMR consignment note form. At the top, it is titled 'LETTE DE VOITURE - DOCUMENT DE TRANSPORT' and includes the CMR logo and 'AVC-2002'. The form is divided into several numbered sections:

- 1** Expéditeur (Name, address, phone) / Abzender (Name, address, land)
- 2** Destinataire (Name, address, phone) / Geadresseerde (Name, address, land)
- 3** Lieu et date de la prise en charge de la marchandise (See point 1) / Plaats (bedrijfs) voor de aflevering der goederen (place, land) / Auslieferungsort des Gutes (Ort, Land)
- 4** Lieu et date de la prise en charge de la marchandise (See point 1) / Plaats en datum van toeliefering der goederen (place, land, date) / Ort und Tag der Übernahme des Gutes (Ort, Land, Datum)
- 5** Documents annexes / Bijzeggende documenten / Begleitende Dokumente
- 6** Numéro de route, kilomètre ou autre / Route- en kilometer- of andere aanduiding
- 7** Nature et état, poids et volume de la marchandise / Beschrijving en toestand, gewicht en inhoud van de goederen
- 8** Poids brut / Netto gewicht
- 9** Poids en vrac / Bruto gewicht
- 10** Numéro de camion / Wagentnummer
- 11** Poids en kg / Bruto gewicht in kg
- 12** Charge en tonnes / Nettogewicht
- 13** Instructions de l'expéditeur / Instructies afzender / Anweisungen des Absenders
- 14** Prescriptions d'affranchissement / Frankierungsbestimmungen / Frachtpflichtbestimmungen
- 15** Statut / Opponenti / Anspänger
- 16** Transporteur (Name, address, phone) / Frachtführer (Name, address, land)
- 17** Transporteurs accessoires (Name, address, phone) / Opleggende vervoerders (Name, address, land) / Nachfolgende Frachtführer (Name, Address, Land)
- 18** Réserve et observations du transporteur / Voorbehoud en opmerkingen van de vervoerder / Vorbehalte und Bemerkungen des Frachtführers
- 19** Conventions particulières / Speciale overeenkomsten / Besondere Vereinbarungen
- 20** Table with columns: Expéditeur / Abzender, Destinataire / Geadresseerde, Réserve / Vorbehalt, Observations / Bemerkungen
- 21** Signature and stamp of the sender / Unterschrift und Stempel des Abzenders
- 22** Signature and stamp of the transporter / Unterschrift und Stempel des Frachtführers
- 23** Signature and stamp of the addressee / Unterschrift und Stempel des Geadresseerten
- 24** Merchandise square / Gooden omvang / Gut anfangen

The CMR Convention (1956) also makes it mandatory to use a paper consignment note, unless countries have joined the convention's e-protocol (2008).

The e-protocol stipulates that it is possible to use an electronic consignment note for international road haulage.

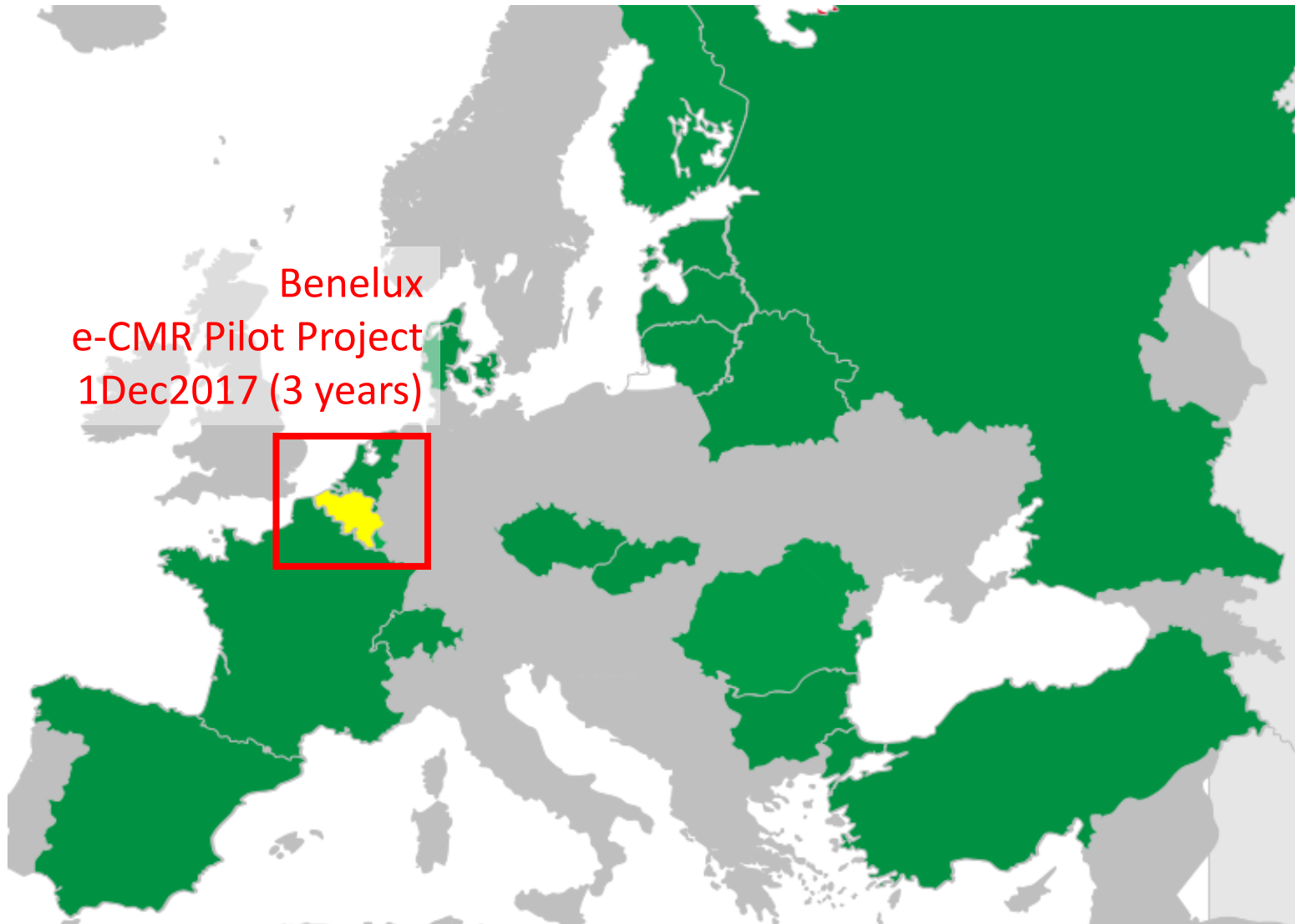
If two bordering countries have ratified the e-protocol, road haulage is possible between them by carrying an accompanying electronic consignment note. **As soon as the electronic consignment note meets the requirements of the e-protocol, it is regarded as equivalent to the paper version and has the same evidentiary value and the same effects.**

The e-CMR Protocol of 20 February 2008



1. Mandatory data for the electronic document are the same as for the paper document
2. Advanced electronic signature:
 - Uniquely link with the signing party
 - Signing party identified
 - Signing party must have control over the equipment used for providing the electronic signature

The e-CMR Protocol of 20 February 2008



20 countries are adopting the e-CMR Protocol

Belarus, Bulgaria, Czech Republic, Denmark, Estonia, Finland, France, Iran, Latvia, Lithuania, Luxembourg, Moldavia, Romania, Slovakia, Slovenia, Netherlands, Russia, Spain, Switzerland and Turkey

[Latest update on UNECE Website](#)

Benelux transport in EU context

Benelux 2013:
- 359 inhabitants/km² (3x as much as EU-28)
- 74,654 km² surface area (1.7% of EU-28)



Benelux 2013:
28.5 million inhabitants
5.6% of the EU-28



Benelux 2013: **6.9%** road transport in/from/to Benelux of EU-28



Benelux 2011: **6.0%** rail freight transport in/from/to Benelux of EU-28



Benelux 2013: **78.4%** inland navigation in/from/to Benelux of EU-28



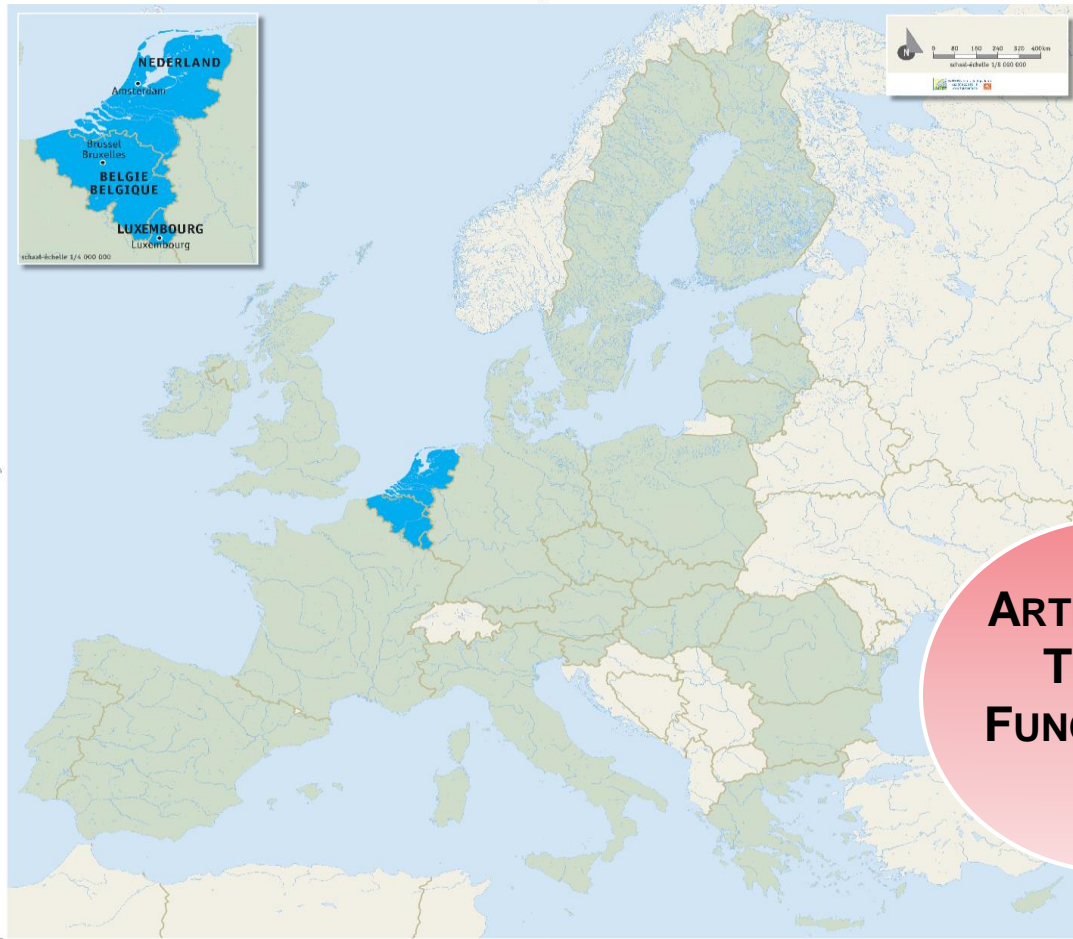
Benelux 2013: **21.1%** sea transport in/from/to Benelux of EU-28



Benelux 2013: **24.4%** air transport in/from/to Benelux of EU-28

Sources: Eurostat, Statec, CBS, Statbel 2015

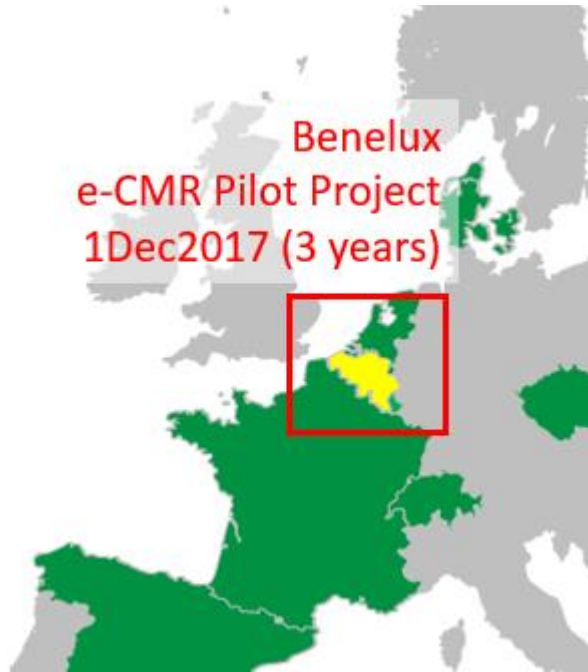
BENELUX decision instrument



” The provisions of the Treaties shall not preclude the existence or completion of regional unions between Belgium and Luxembourg, or between Belgium, Luxembourg and the Netherlands, to the extent that the objectives of these regional unions are not attained by application of the Treaties.”

**ARTICLE 350
TREATY
FUNCTIONING
EU**

The 3-year e-CMR Benelux pilot project



1. Understand how authorities can trust and control digital documents and information
2. UNECE e-CMR 2008 as a foundation
3. Additional requirements
 - E-CMR must be stored by authorized e-CMR service provider (2019: 13)
 - Authorities can directly access the systems of the e-CMR service provider



First e-CMR between Luxembourg and Schiphol – April 2018

dashdoc

+ NOUVEAU

Mes transports

En attente de validation 0

Refusés 0

En cours 1

Terminés 2

Facturés 0

Payés

Archivés

Carnet d'adresses

Personnes

Aide

Paramètres

Rudy Hemeleers

Déconnexion

Mes transports

EXPORTER PARTAG



Recherchez par référence, lieu, conducteur...

FILTRES

3 résultats

<input type="checkbox"/>	Créé par	N° LV	Statut	Enlèvement	Date d'enlèvement	Livraison	Date de livraison	Transporteur	Donneur d'ordre	Marchandises	Réalisé par
<input type="checkbox"/>	truck1.lu Truc... N° 42162 12/3/2018 14:...	67273	En route Rés...	GHA1.LUX Grou... 2145 Luxembourg	PRÉVU : RÉEL : 12/3/2...	GHA1.AMS Grou... NL-12345 Schiphol	PRÉVU : RÉEL :	truck1.lu Truckin... L-1234 Luxembo...	AIR1.LU Cargo Ai... L-1234 Luxembo...	25 Colis, Flowers, 257 kg	Jean Dubo HG716 08DNDT3
<input type="checkbox"/>	truck1.lu Truc... N° 42767 11/3/2018 17:...	67088	Terminé Rés...	GHA1.LUX Grou... 2145 Luxembourg	PRÉVU : 12/3/... RÉEL : 11/3/2...	GHA1.AMS Grou... NL-12345 Schiphol	PRÉVU : 12/3/... RÉEL : 11/3/2...	truck1.lu Truckin... L-1234 Luxembo...	AIR1.LU Cargo Ai... L-1234 Luxembo...	24 Colis, Cut Flowers, 320 kg, Num plomb :	Jean Dubo HG7116 AL516E6
<input type="checkbox"/>	truck1.lu Truc... N° 4642 14/5/2017 03:...	19343	Terminé Rés...	Luxembourg Airp... 2145 Luxembourg	PRÉVU : RÉEL : 4/2/20...	Museum Amster... 34332 Amsterdam	PRÉVU : RÉEL : 17/2/2...	truck1.lu Truckin...	51Art Luxembourg 7433 Grevenknapp	4 Crate, Art objects, 320 kg, Under customs	Jean Dubo HG7116

Benelux e-CMR pilot project

- 13 e-CMR solution providers are authorized to participate
- Government authorities have online access
- Digi-Transit (E-Documents single window initiative)

All parties has online access to latest information

better planning, better customer service, no need to return original to sender of goods (in case of intra-community deliveries)

Transport n°42162 Créé par truck1.lu Trucking Company le 12 mars 2018 14:39

PARTAGER ARCHIVER DUPLIQUER SUPPRIMER


Créé En cours Terminé Facturé Payé

DONNEUR D'ORDRE
AIR1.LU Cargo Airline Luxembourg
Aéroport Luxembourg Findel
L-1234 Luxembourg, LU
REF : Ajouter une référence

TRANSPORTEUR
truck1.lu Trucking Company
Parc industriel
L-1234 Luxembourg, LU
REF : Ajouter une référence

Code transport : RZQMAC

ASSIGNER MARQUER TERMINE



ACTIVITE	ADRESSE	MARCHANDISES	HEURES	CONDUCTEUR	INSTRUCTIONS
1 Enlèvement ✓ Sur site Terminé One package damaged	GHA1.LUX Ground Handling Agent Luxembourg Aéroport de Luxembourg 2145 Luxembourg, Luxembourg REF : Ajouter une référence	25 Colis, Flowers, 257 kg	PREVUES RÉELLES Sur site : 12 mars, 14:39 Terminé : 12 mars, 14:40	Jean Dubois ✓ HG716 08DNDT3	
2 Livraison ✓ MARQUER TERMINE	GHA1.AMS Ground Handling Agent Schiphol Schiphol Cargo Airport NL-12345 Schiphol, NL REF : Ajouter une référence	25 Colis, Flowers, 257 kg	PREVUES Ajouter des heures RÉELLES	Jean Dubois ✓ HG716 08DNDT3	

Documents et photos

Glissez votre document ou cliquez ici pour sélectionner un fichier
Formats acceptés: Word, Excel, PDF, PNG, JPG

Type	Nom	Visibilité
LDV	LV.67273.AIR1.LU.Cargo.Airline.Luxembourg - Luxembo...	Public

Évènements

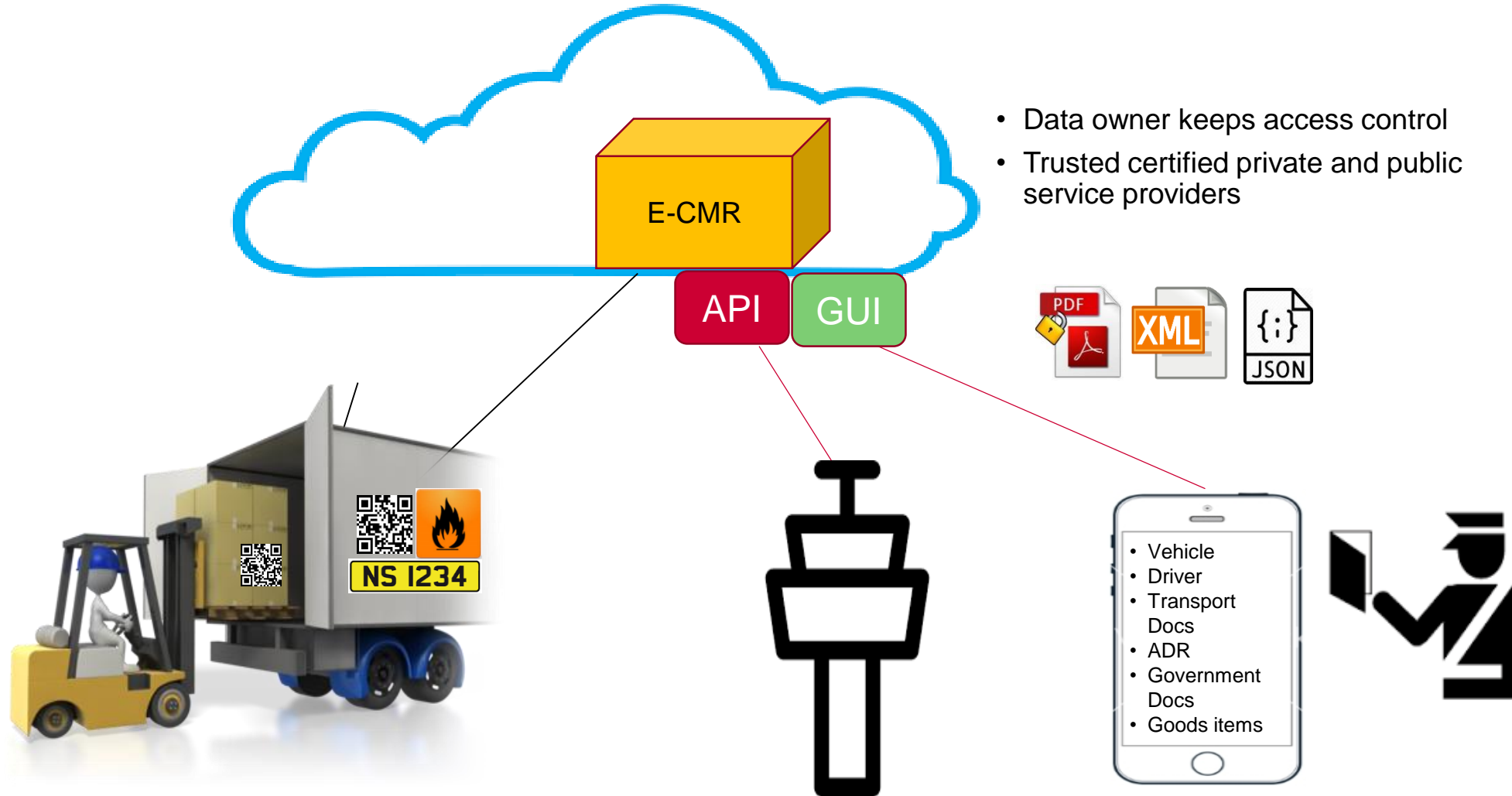
Ajouter un commentaire

Exploitation ENVOYER

- 28 déc. 2018 03:00 - Entreprise
Rudy Hemeleers a envoyé la lettre de voiture 67273 à : - rhomeleers@51biz.lu par email
- 12 mars 2018 14:42 - Entreprise
Jean Dubois a envoyé la lettre de voiture à : - +352661707101 par SMS
- Jean Dubois a terminé l'enlèvement. 12 mars 2018 14:40 - Public
- Jean Dubois est arrivé sur le site d'enlèvement. 12 mars 2018 14:39 - Public
- Jean Dubois a accepté le transport. 12 mars 2018 14:39 - Public

e-CMR, more than paperless

e-CMR service providers offer their customers with a direct online access to latest updated information



Early analysis of Benelux e-CMR project (1)



1. Potential savings are confirmed by logistics operators
 - 4,5 € per e-CMR (Benelux: annual saving of 300 M€)
 - Real-time access to accurate data
 - End-to-end integration of IT systems of shipper – carrier – handling agent
2. Potential savings are confirmed by public authorities
 - Single direct access to all authorized e-CMR service providers
 - By vehicle registration ID, while vehicle is moving
 - Integration dangerous transport, e-Call

Early analysis of Benelux e-CMR project (2)



3. Logistics operators confirm the urgency of
 - harmonized EU-Regulation
 - Use same data for transport and customs/border control
 - Larger operators can use internal systems
 - harmonized data-interoperability standards
 - To share data with public authorities
 - To integrate the internal systems of shippers, carriers and handling agents
 - Providing a common APP for digital hands-over of goods
4. SME operators need solution as easy as DropBox, as secure as e-Banking

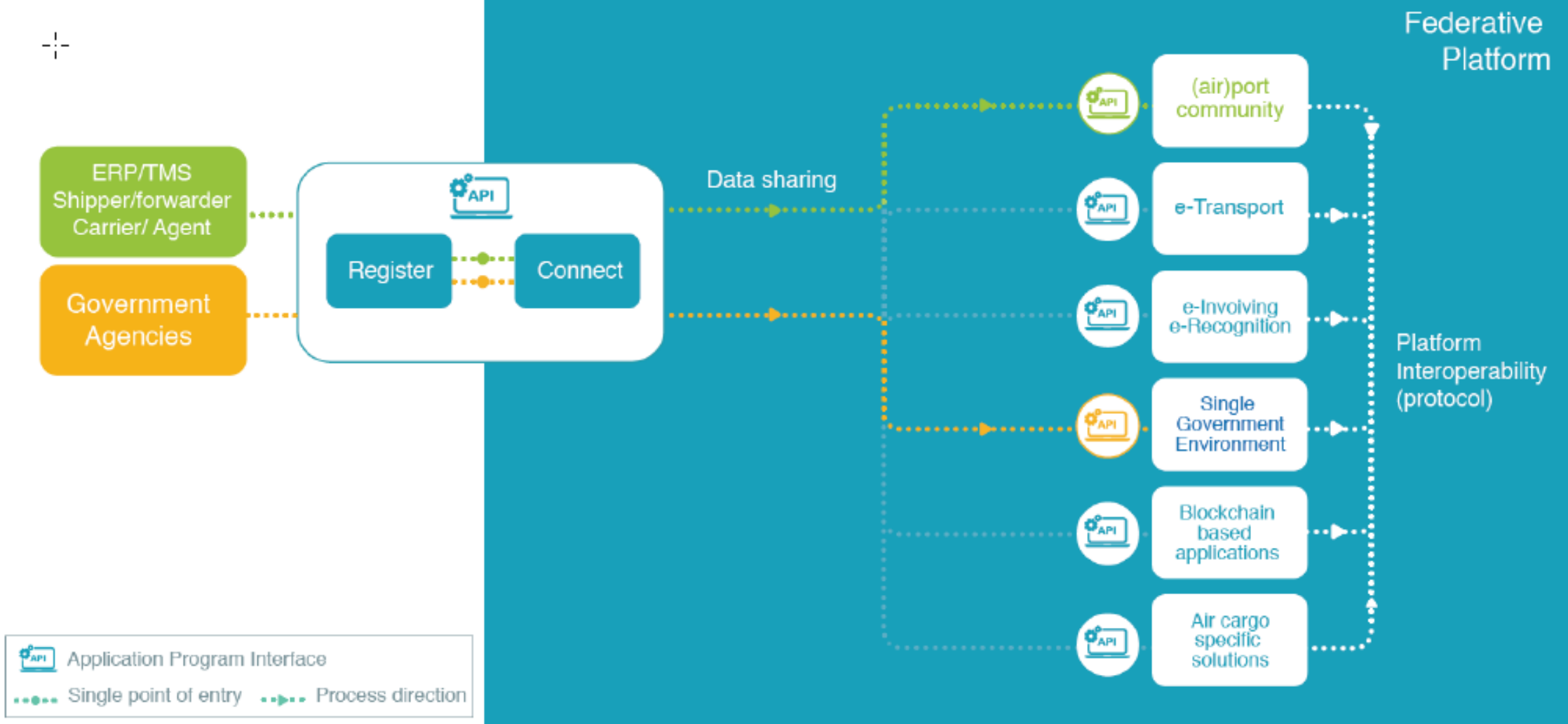
eFTI Electronic Freight Transport Information



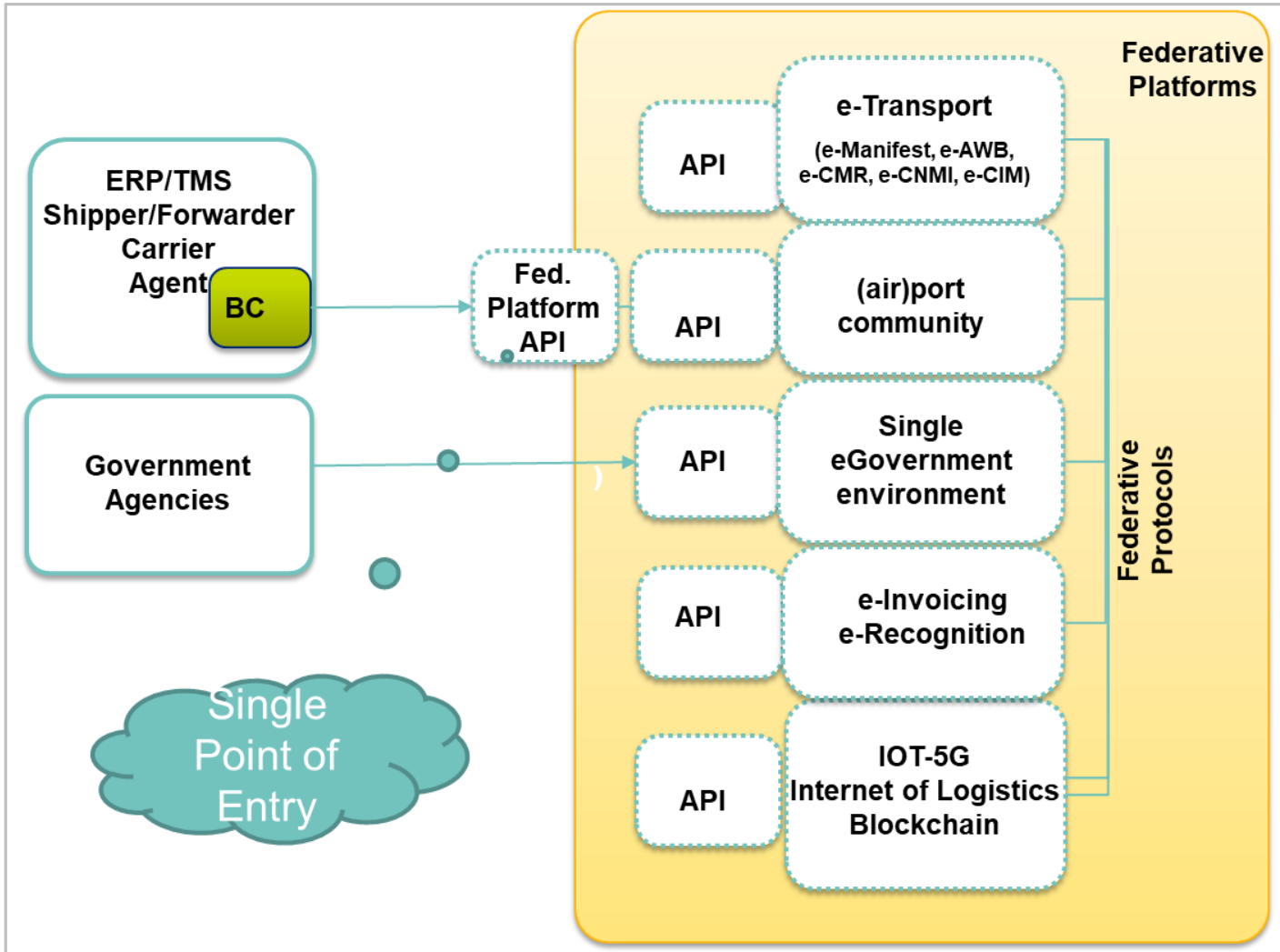
eFTI is part of the “Third Mobility Package”, proposed by the European Commission

- B2G: obligation of EU MS to accept electronic transport documents
- In a human and machine readable data format
- harmonized across Europe
- Certified solutions and service providers
- EU MS must ensure the interoperability of IT systems

Federated platform a commodity for data sharing



Federated platform a commodity for data sharing



Project partners

Netherlands
Finland
Sweden
Spain
Italy

IATA
OneRecord

51Biz-PPMB
Luxembourg

Active observers

Germany
Estonia
Latvia
Portugal
Benelux

Non-EU pilots

Norway
Singapore
India
China

FEDERATED
NETWORK OF PLATFORMS

From e-CMR Benelux to eFTI.eu

The eFTI proposal of the European Commission has been inspired by the Benelux e-CMR 3-year pilot project

e-CMR Benelux – 2017-2020	eFTI EU – 2024-2026
e-CMR for road transport	All transport documents and information : <ul style="list-style-type: none">• Consignment notes (e-AWB, e-CMR, e-CMNI, e-BOL,..)• Dangerous goods and waste declarations• Electronic shipment files (including commercial & packaging information)
Benelux	All EU Member States
Private IT service providers are authorized by Benelux authority	Private IT service providers are certified by accredited organizations
Control authorities in other Benelux countries can access e-CMR systems	Control authorities in other MS can access eFTI service providers Data must be machine readable

Going forward



1. Create a transition between the Benelux e-CMR and EU eFTI projects
2. Extend Benelux pilot project for transport of dangerous goods?
3. Extend Benelux pilot project for other modes of transport?
 - Benelux pilot project inland navigation
4. Identify data to be shared with authorities including rescue services
5. Common access point to provide authorities with a single access (human and machine readable) to all authorized e-CMR service providers