



The Global Language of Business

GS1 Healthcare Provider Advisory Council Webinar

Implementation of GS1 standards in Healthcare

George Nicolaos,

Head of Medical Community Coulommiers Hospital,
Head of Pharmacy unit East Francilian Hospital Group (EFHG)
October 2016



Welcome and thank you for attending!



- Welcome to our October 2016 webinar. Thank you to our guest speaker – George Nicolaos, Head of Medical Community Coulommiers Hospital and Head of Pharmacy unit East Francilian Hospital Group
- Some housekeeping for today:
 - All attendees will be on mute
 - If you have questions during the presentation, please type them into the questions area and these will be monitored then answered at the end of the call
- After the webinar:
 - Within a week, the recording will be posted to: http://www.gs1.org/healthcare/hpac_webinars
 - All previous webinars are also posted to this location, so please feel free to use this resource and share the link

The GS1 Healthcare Provider Advisory Council (HPAC)



Thought leaders and early adopters of GS1 Healthcare Standards from the global clinical provider environment. Their final goal is to improve patient safety, cost efficiency and staff productivity through implementation of GS1 standards.

A forum for sharing and discussion

Identification of projects and case studies

A source of expertise and advice

- About the practical realities of implementation of GS1 Standards in the care giving environment in regards to the impact on clinical care and patient interaction
- That support the adoption of GS1 Standards in healthcare providers and retail pharmacies
- For publication, presentation and sharing
- To those involved in GS1 standards development, the wider Healthcare stakeholder community and senior executives/decision-makers to gain their buy-in and support for implementation of GS1 Standards



HPAC Activities



Webinars

- Monthly webinars open to all stakeholders interested in learning about GS1 standards implementation in the care giving environment.
- http://www.gs1.org/healthcare/hpac_webinars

Awards

- Twice per annum
- Provider Best Case Study Award
- Provider Recognition Award
- The prize is travel / accommodation to attend the next GS1 Healthcare conference
- <http://www.gs1.org/healthcare/hpac>

GS1 Healthcare also holds two global conferences per annum.
Next conference in Beijing from 25-27 October 2016.
April 2017: conference in Berlin.



GROUPEHOSPITALIER
de l'Est Francilien

Implementation of GS1 Standards in Healthcare

G. Nicolaos

Head of Medical Community
Coulommiers Hospital



Head of Pharmacy unit
East Francilian Hospital Group
(EFHG)



Summary

1/ Several examples of GS1 Standards in Healthcare

- ✓ Traceability of surgical instruments and medical devices
- ✓ Reception and traceability of blood derivatives, cytotoxic drugs
- ✓ Reception and traceability of products for parenteral nutrition preparation for neonatale intensive care unit

2/ Projects for the future

- ✓ E catalog
- ✓ Supply chain of drugs and medical devices
- ✓ Serialization

TRACEABILITY OF SURGICAL INSTRUMENTS THANKS LASER DATA MATRIX AND MEDICAL DEVICE TRACEABILITY

M. Tournoud, Y. Hassani, J. Mignon, F. Fremont, G. Nicolaos

Robert Ballanger Hospital

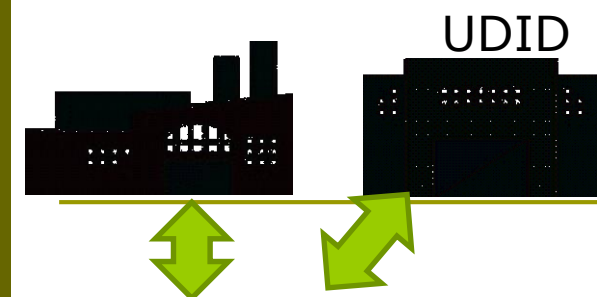
Project presented in Eucomed 2008

Work presented in :

GS1 Healthcare Conference Vienna 2009 and

GS1 Healthcare Conference Washington 2009

Traceability in the operating room



**Reception
Implantable
Medical Device**



Distribution

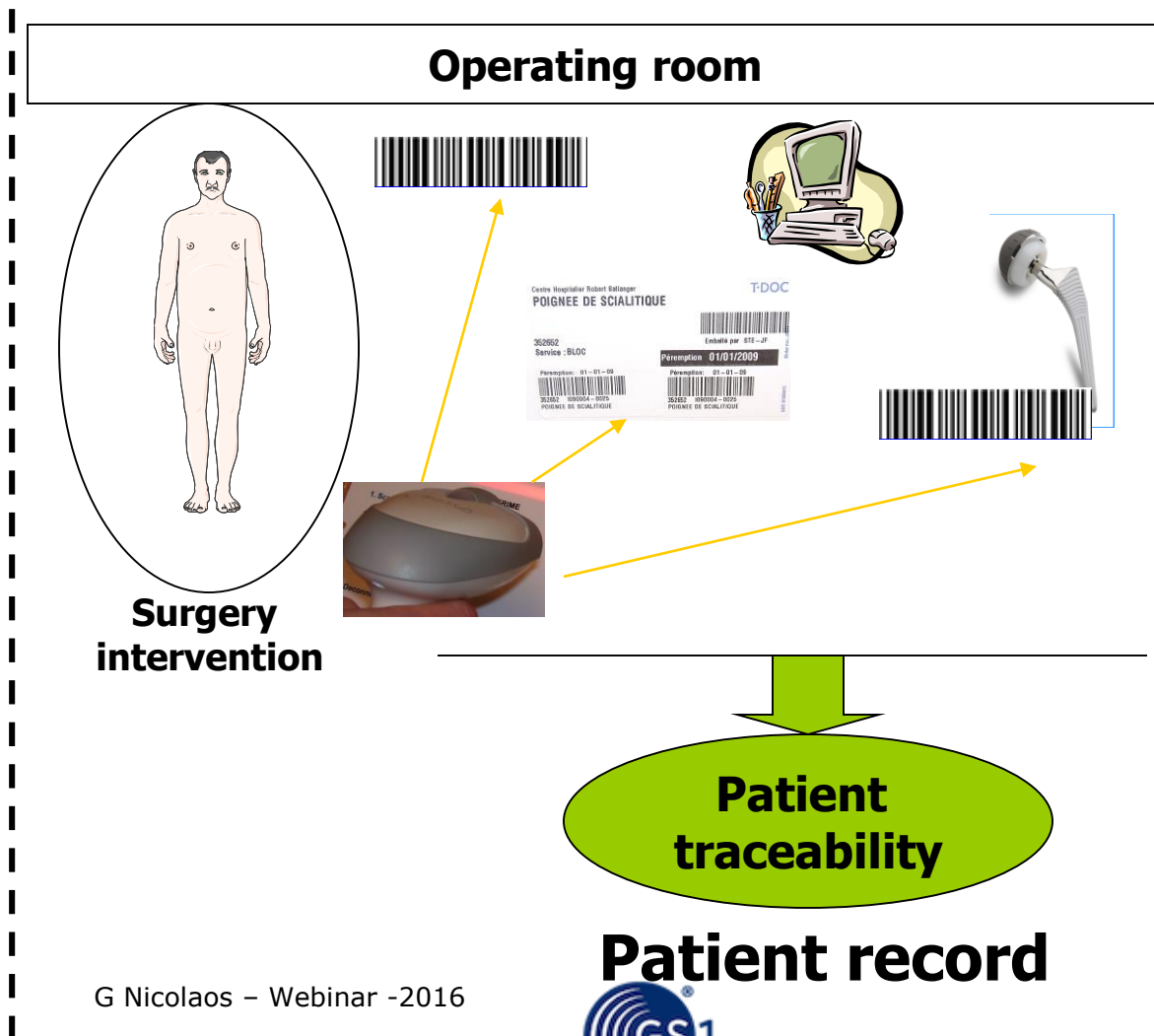
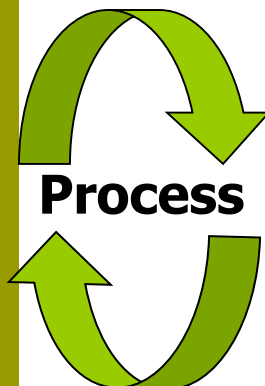


Sterilization unit

**Distribution of a
sterile medical
device**



Process



Laser Data Matrix 2D barcode

New instrument



articles n° de série

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Article 🔍

Produit en série Code barres

Info Propriétaire Fournisseur User fields Remarque

Emplacement Statut

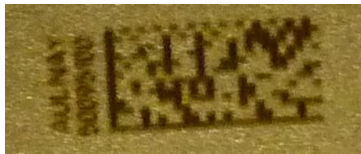
Emplacement

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☐ A supprimer
☐ Supprimé

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Laser Data Matrix 2D barcode

Used instrument



articles n° de série

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*N° de série TPD161000-0009 🔍

Article TPD161000 🔍 ECARTEUR FARABEUF PM

Produit en série ETPD1610-0001 Code barres 01036616970000002150095700

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Emplacement Cond. ART-Série

Emplacement

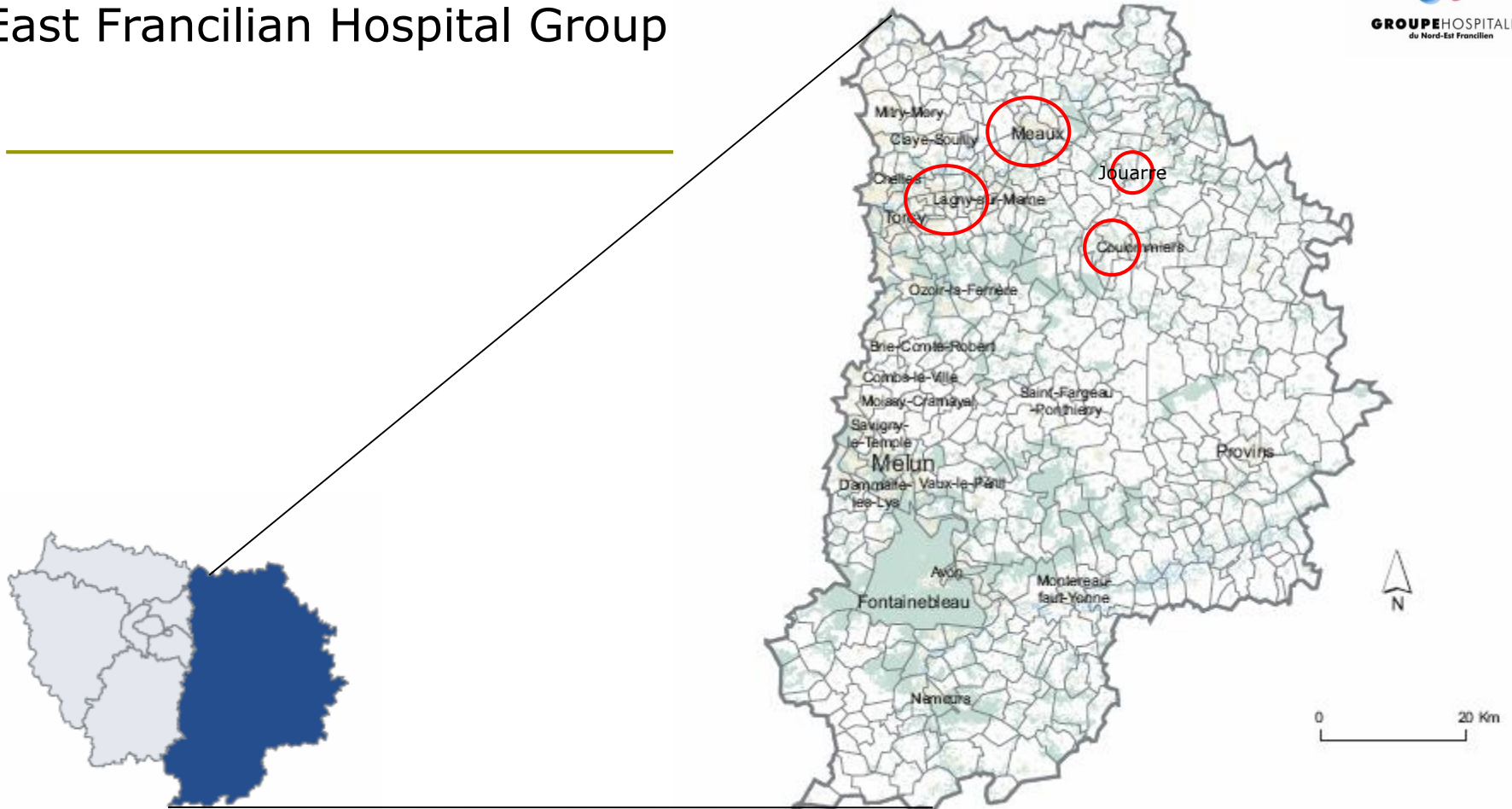
Statut

- ☒ Normal
- ☐ A supprimer
- ☐ Supprimé

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GS1 standards in Coulommiers Hospital and in East Francilian Hospital Group

East Francilian Hospital Group



Principales communes de plus de 10.000 habitants

Paris and the surrounding area

420 Hospitals
12 000 Km²
12 10⁶ Habitants

Seine et Marne

28 Hospitals
5 900 Km²
1,2 10⁶ Habitants

East Francilian Hospital Group



Beds : 935
MSM : 532



Centre hospitalier de Marne-la-Vallée

Beds: 757
MSM: 410



**CENTRE HOSPITALIER
DE COULOMMIERS**

Beds: 475
MSM: 263



Beds : 315
MSM : 0



M Guizard

Head of Pharmacy unit
East Francilian Hospital
Group(EFHG)

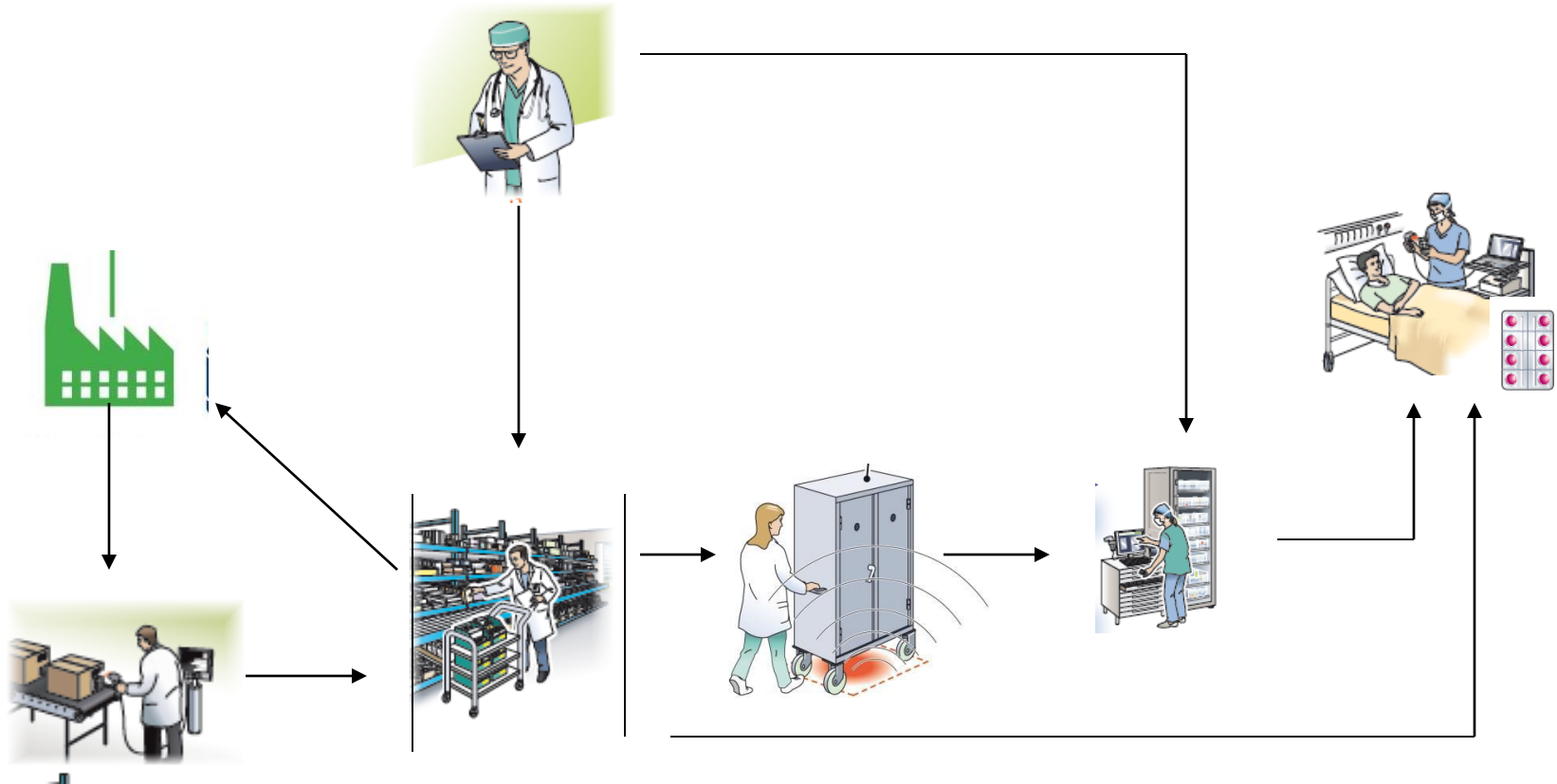
Beds : 2583
MSM : 1205

**1^{er} Hospital Groupment after AP-HP
In Paris and the surrounding area**

MSM: Medicine, Surgery, Maternity

The Pharmaceutical Process

Coulommiers Hospital (T Liautaud – Pharmacist)



In 2009, it was a very simple process
How can we promote patient safety with 1 ou 2D barcodes?

Method



Secondary Level



Primary Level

Is there a bar code?

- 1D ?
- 2D ?

Is the Bar code readable?

What are the data contained
in the 1 ou 2D barcode?

Barcode composition

	Secondary level n=572	Primary Level n=572
Bar code presence	100% (572)	20,8% (119)
Readability of bar code	100% (572)	56,3% (67)
Bar code format N=572		
GS1 Datamatrix	96,3% (551)	
Linear bar code	3,7% (21)	
Composition of the GS1 code (n=551)		
GTIN/Batch/ED (01/10/17)	97,3% (536)	
GTIN/Batch/ED/Fab (01/10/17/11)	2,0% (11)	
GTIN/Batch/ED/SN (01/10/17/21)	0,35% (2)	
GTIN/Batch/ED/Fab/SN (01/10/17/11/21)	0,35% (2)	

First application

- First use of GS 1 barcodes : Reception and distribution of stable blood derivatives



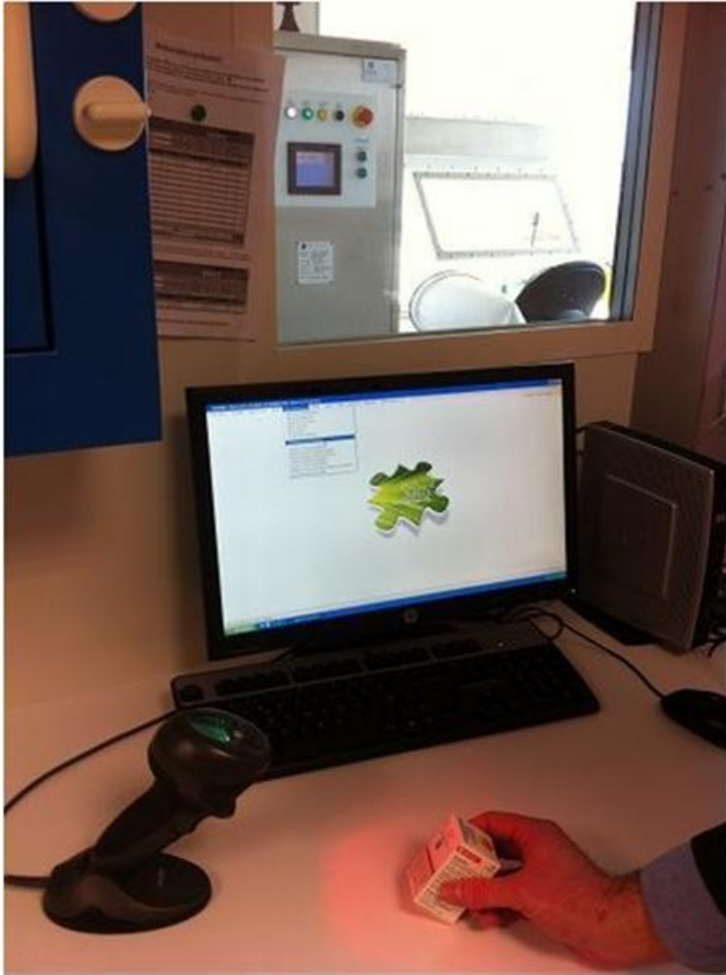
Reception



Distribution



Second application : Intravenous chemotherapy preparation



- Reception of cytotoxic drugs thanks to the 2D Barcode

Reception and traceability of products for parenteral nutrition preparation for neonatal intensive care unit

Heside : Stock Utilisateur : LAETICIA DE OLIVEIRA - [Entrée En Stock]

Vous êtes actuellement dans l'environnement de test

Fabrication Dispensation/Rétrocesson Visualisation Stock Planification Produits Rappel Clients/Fournisseurs Deconnexion Aide

Entrée en Stock

Description du Produit

Produit: 3400956024131-Potassium chlorure 10%

☐ Inclure les produits semi-finis et finis

Fourn.: BBRAUN

Famille: PARENTERALE

Conditionnement: 10 mL

Date de Réception: 06/10/2016

N° et Péréemption du Lot

Lot: #####

Confirmer: 16213012

Bulletin de contrôle: [Document]

Péréemption: 30/04/2019

Quantités

Qté: [1] x [10] mL Prix unitaire HT 0€

Total: [10] mL Prix total HT 0€

Densité: 1,054

VALIDER

Plan Cueillette

Gestion des Stocks

Entrée en Stock

Réapprovisionnement

Chlorure de potassium pour 1 mL 10 g Médicament autorisé N°: 3400956024131

Chlorures: 1340 mmol/L ou 1,34 mmol/mL
Potassium: 1340 mmol/L ou 1,34 mmol/mL
Densité de la solution: 1,054 g/mL
pH compris entre 5,0 et 6,5

Une ampoule de 10 mL contient 1,0 g de chlorure de potassium

BBRAUN

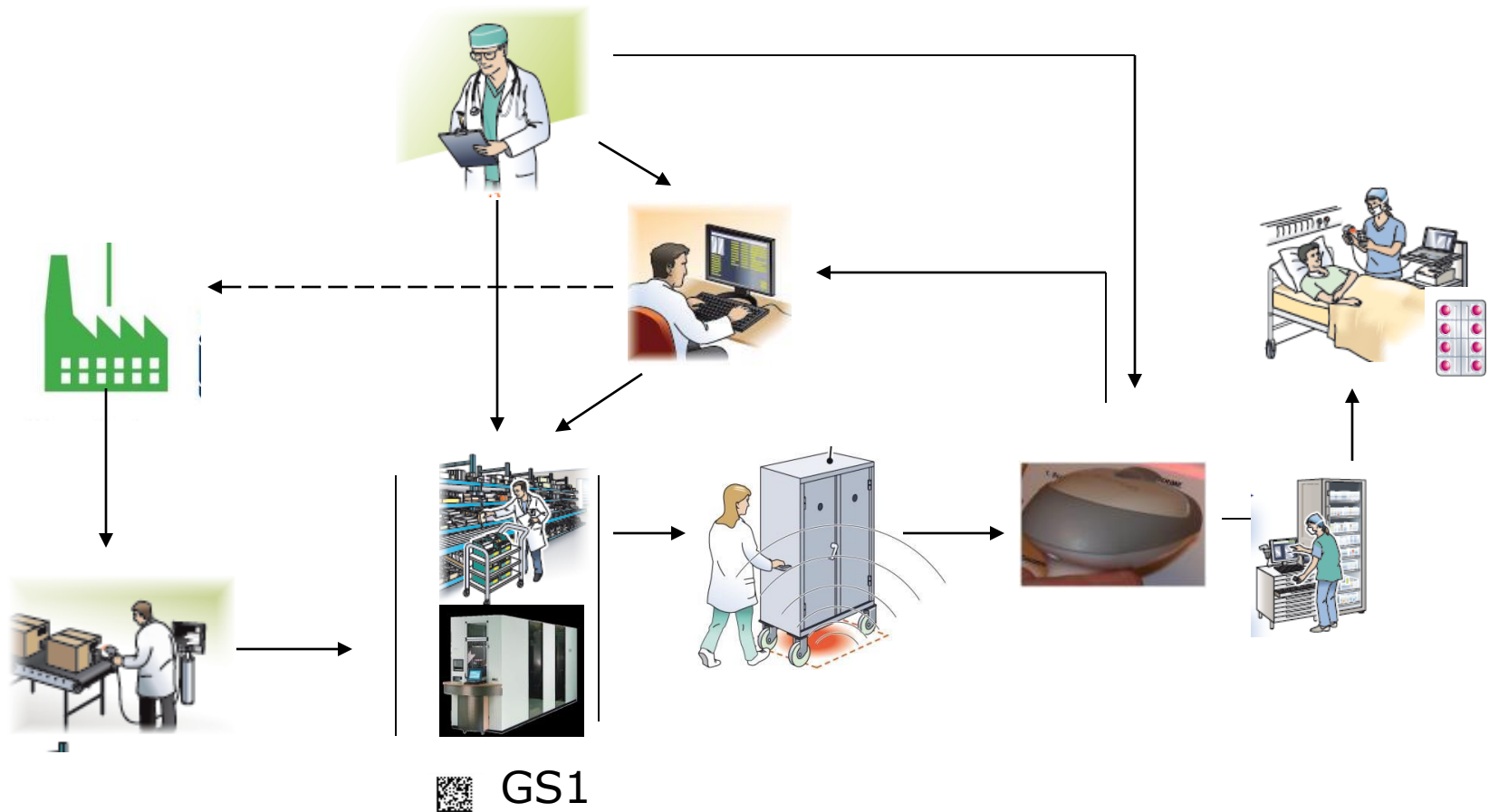
Installation du pilote de périphérique
Cliquez ici pour obtenir le statut.

Imprimer un bon de réception

11:21
06/10/2016

The Pharmaceutical Process

Marne la Vallée Hospital



The Pharmaceutical Process Meaux Hospital



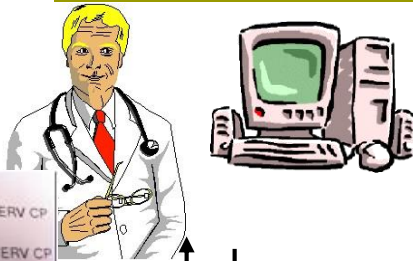
Pharma®



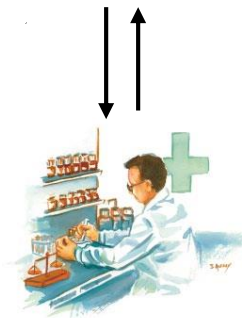
Drug prescription

Pharmaceutical validation of
drug prescription

Pharma®



Return



Pillpick
Manager®



Distribution –
return

Automatic distribution



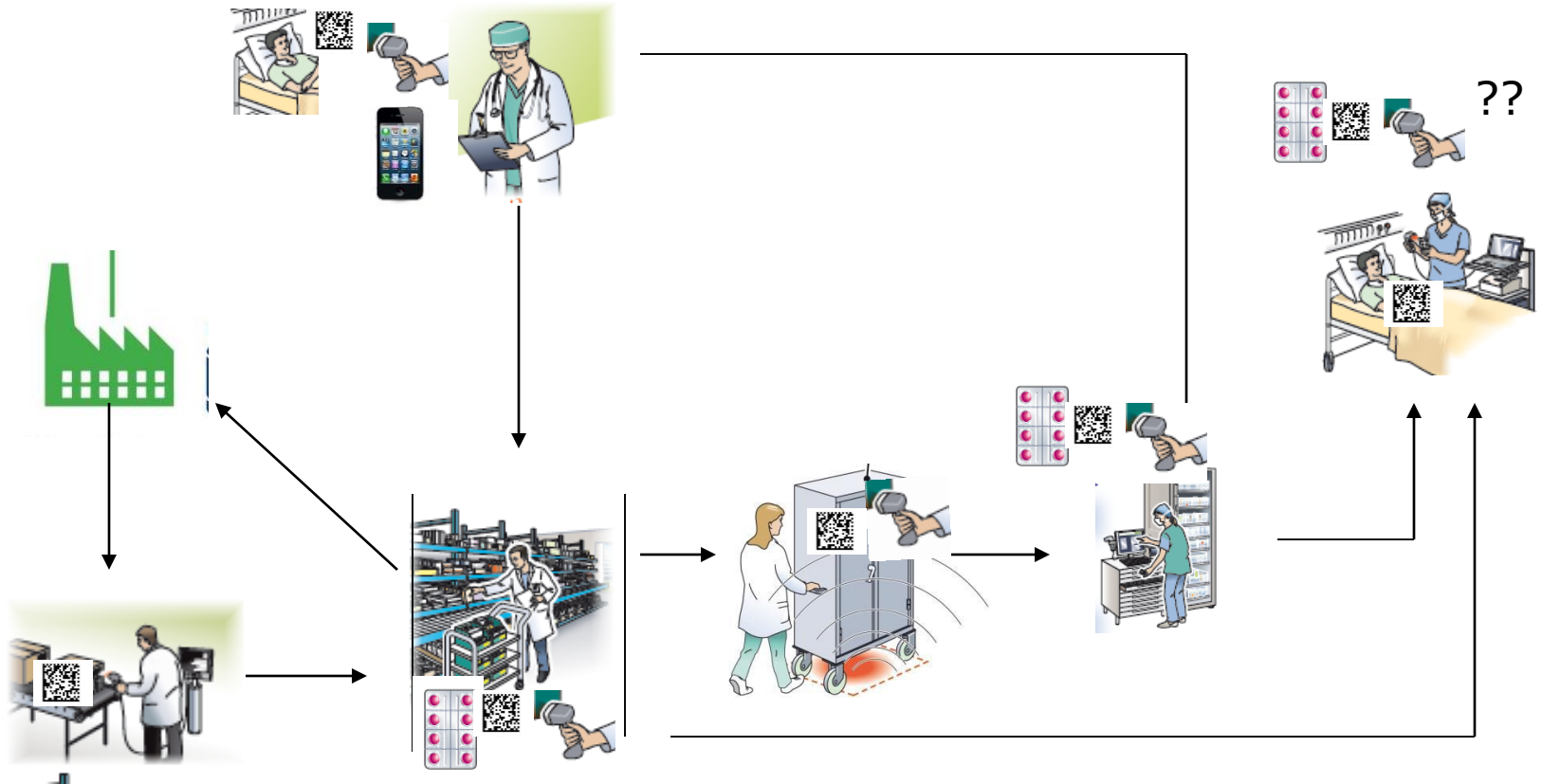
G Nicolaos – Webinar -2016



GS 1 Standards in the future in the East Francilian Hospital Group

And the future?

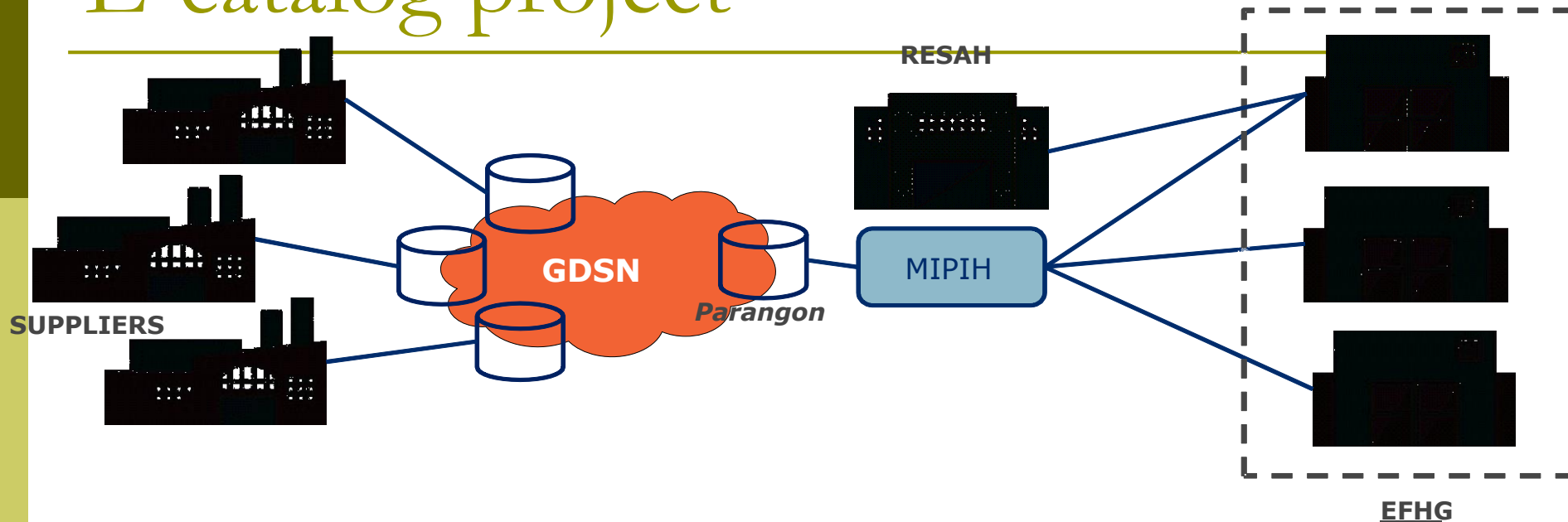
The ultimate goal



The pharmacy of the EFHGG in 2017

- ❑ 1 principle pharmacy and Three or four sites : GLN
- ❑ 3 sites with surgery : UDI , traceability of surgical instruments
- ❑ Reception of drugs with the GS1 datamatrix

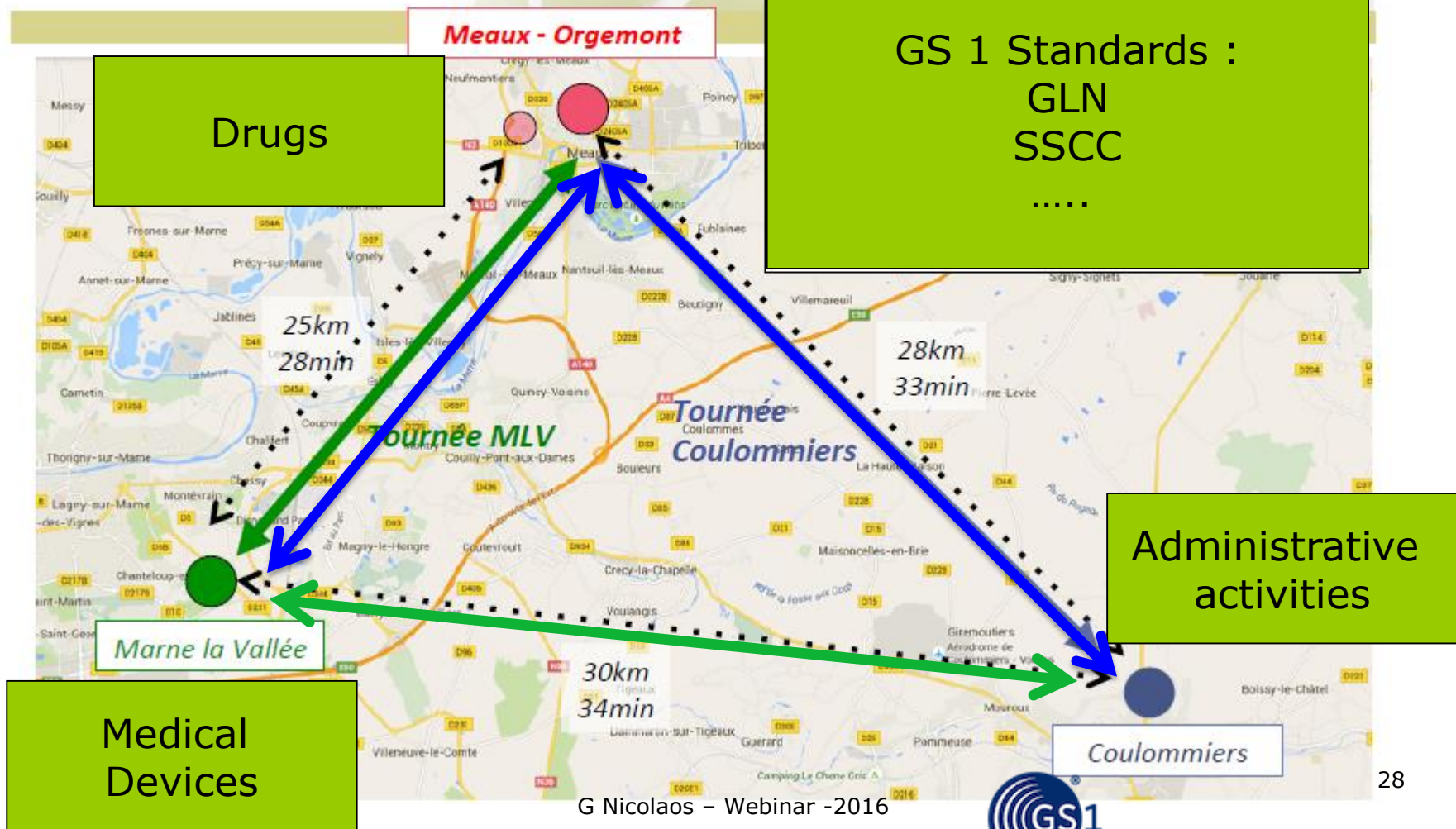
E-catalog project



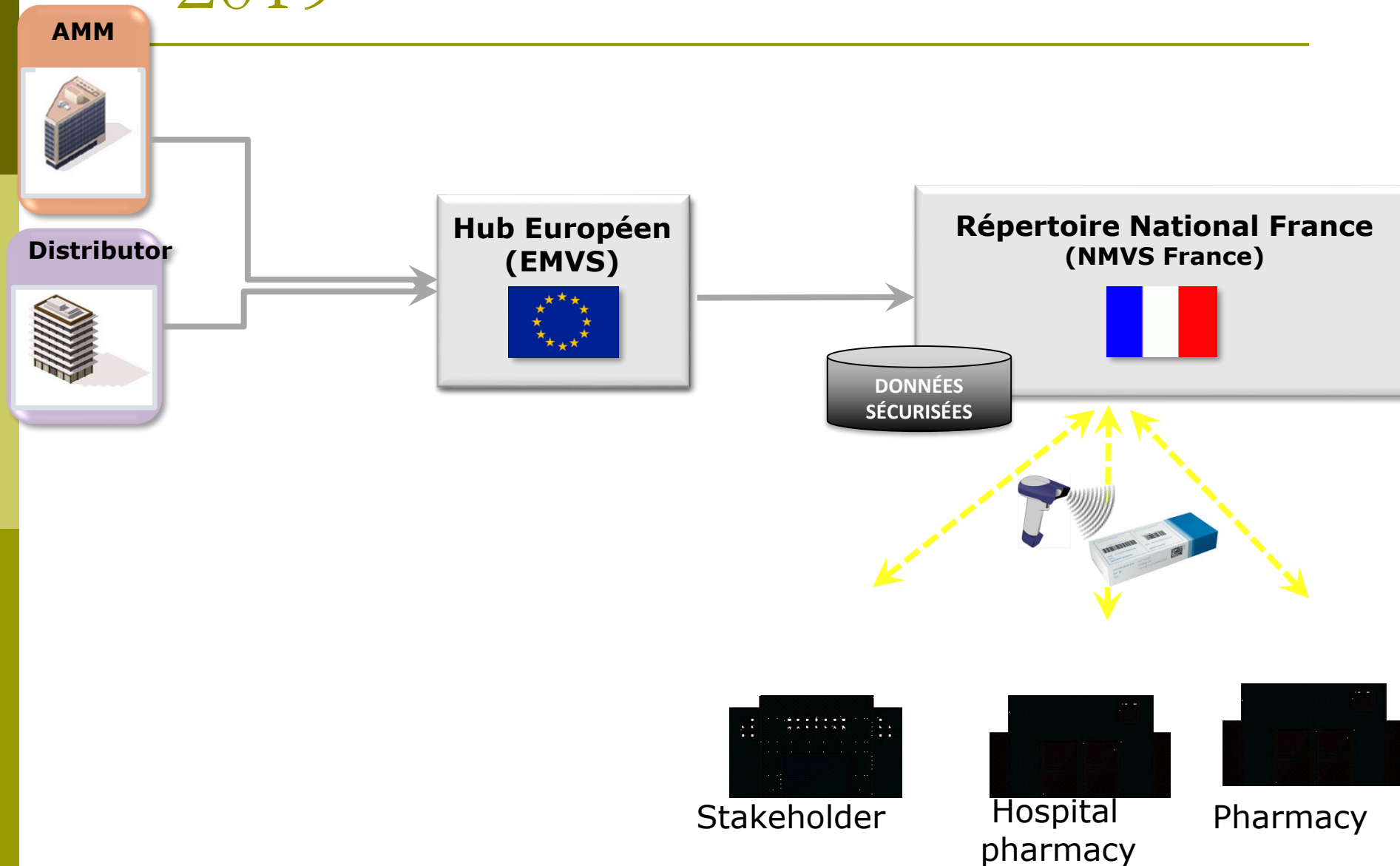
- ❑ Direct transmission of products related informations
- ❑ For the EHFG, standardization of health products

Supply of drugs and medical devices -2017-

Organisation des activités socles
Approvisionnement – Logistique Interne



Serialization and NMVO / 2019



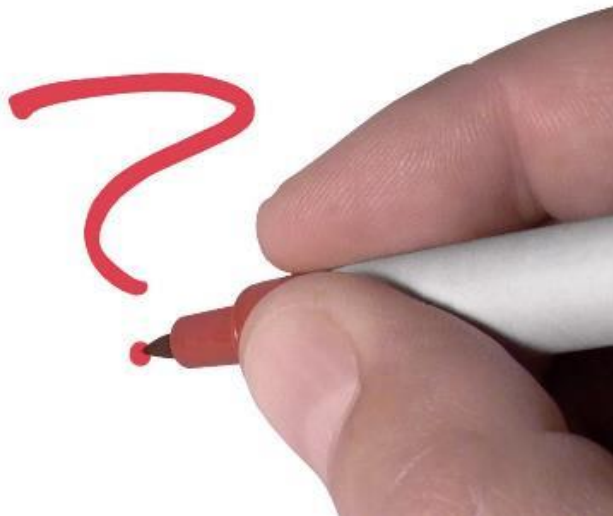
Conclusion

- ❑ More than ten years to promote traceability and patient safety with GS1 standards
- ❑ Implementation of several applications with GS1 standards: traceability of surgical instruments and implants, reception and distribution of drugs
- ❑ GS1 standards is the global solution
- ❑ **One goal : promote patient safety and traceability of drugs and medical devices**

Thanks to

- ❑ F Fremont, J Mignon, B Besnard, P Laffly, JM Toulouse Ballanger Hospital
- ❑ V Marchand, A Rieucau, F Desprey, GS1 France
- ❑ U Kreysa, T Snioch, GS1 Global Office
- ❑ JC Phelep, CEO of the EFHG
- ❑ P Borg, T Simon, Y Benanteur, Coulommiers Hospital
- ❑ T Liautaud, L Pellamourgues, M Tiah, B Loison, M Guizard
- ❑ All members of GS1, Ballanger Hospital and EFHG

HPAC Questions and contact details



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