



French pharmaceutical record (DP) and batch recall services



May 2012

CNOP – Section B - DTS



Agenda

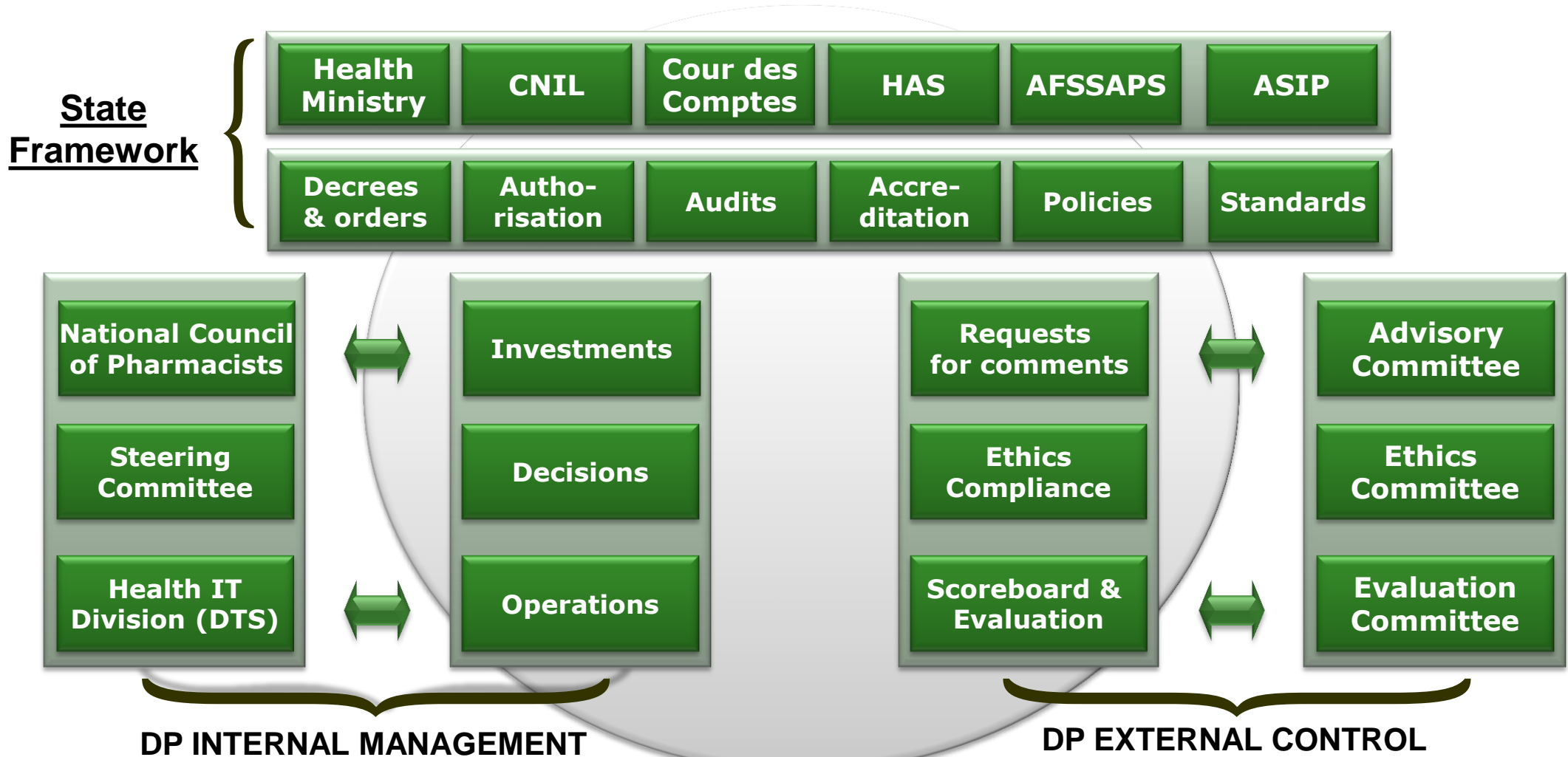
- ▶ **1. Introduction to French pharmaceutical record (DP)**
 - 2. DP batch recall overview
 - 3. Main benefits
 - 4. Roadmap

DP in France : a brief overview

- Several factors favour drug adverse events and increase risk associated with drug interactions
 - patient mobility
 - growing number of polymedicated elderly people
 - narrow therapeutic windows of certain medicines
 - increasing use of self medication
- Within this context emerged the need to gather all medication-related information in a single EHR (*Electronic Health Record*)
 - This is how the DP was born in 2005
- Article L 1111-23 of the French public health code provides the legal basis for this health record and establishes the National Council of Pharmacists as the responsible entity for its implementation



Governance : focus, transparency, accountability



The largest EHR in Europe

- More than 20,000 pharmacies online & 20,000 new patients every day
- DP fully integrated in pharmacy software
- Triggers every step of dispensing cycle
- Governance led by National Council of Pharmacists along with health authorities



Increase patients' confidence in medicines

Batch automated recall fulfills this objective

International benchmark

Kaiser Permanente's Health Connect (USA)

Start date : 2004

8,7 million patients

Patient access : yes

454 medical offices

36 hospitals

Medication information : yes

Real time drug interactions : no

Patient summary : yes

Lab test results : yes

Radiology : yes

Health alert broadcast : no

Batch recall : no

Nationwide availability : no

Cost : over \$2000 million

CNOP's DP (France)

Start date : 2005

20 million patients

Patient access : no

21600 pharmacies

360 volunteer hospitals

Medication information : yes

Real time drug interactions : yes

Patient summary : vaccinations soon

Lab test results : no

Radiology : no

Health alert broadcast : yes

Batch recall : yes

Nationwide availability : yes

Cost : \$30 million



Agenda

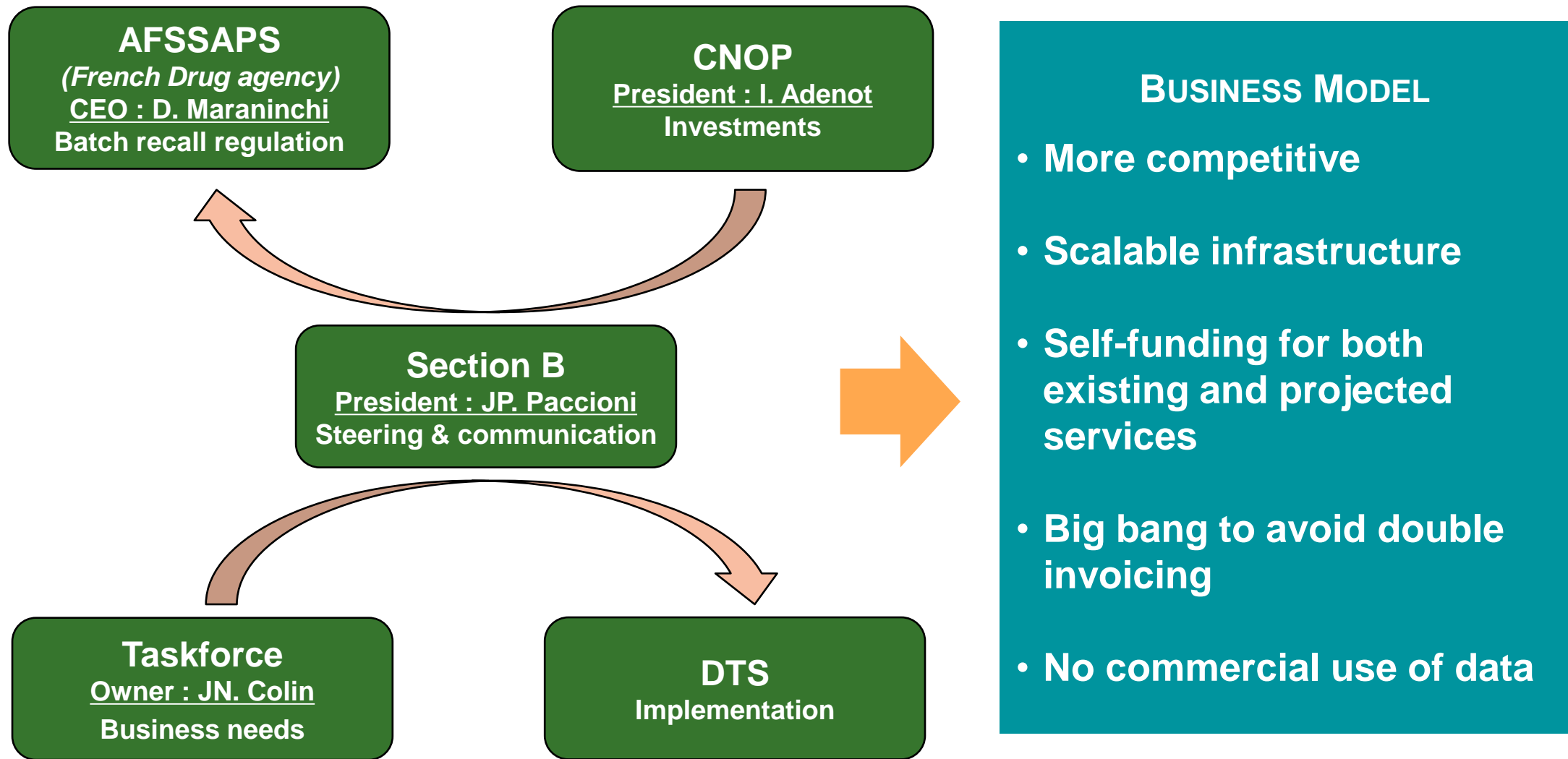
1. Introduction to French pharmaceutical record (DP)

▶ **2. DP batch recall overview**

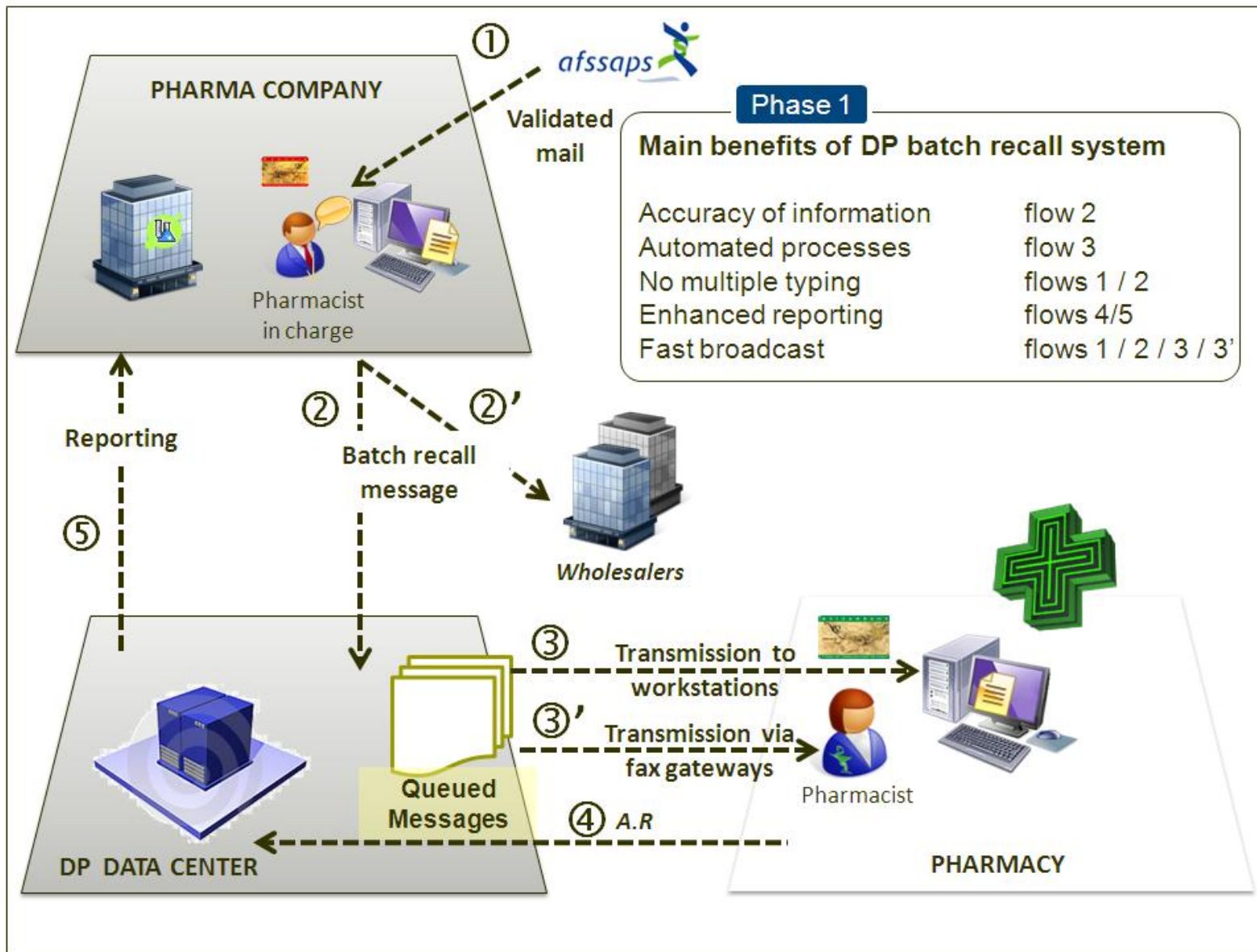
3. Main benefits

4. Roadmap

Batch recall organization scheme



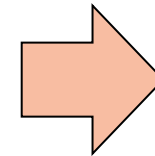
DP batch recall principles



- ▶ **An end-to-end process**
 - ▶ **Reliable**
 - ▶ **Fast**
 - ▶ **Highly available**
- ▶ **Along with a real-time and fully detailed reporting**
- ▶ **Mail sent to remaining pharmacies, to ensure 100% coverage**

Strong security prerequisites

- ▶ Framework agreement signed by pharma company
- ▶ Secured access components delivered by CNOP : security card, software authentication certificate, user id, initial password
 - One user, one card
 - Certificate activated once downloaded and valid for three years
- ▶ Secured access components successfully installed on personal computer
- ▶ Connection tests passed by the user
- ▶ Annual change of password



How does it *really* look like ?

Alert identification area

Company identification area

Alert title

Content area (up to 4,000 characters)

Additional content (5,000 additional characters)

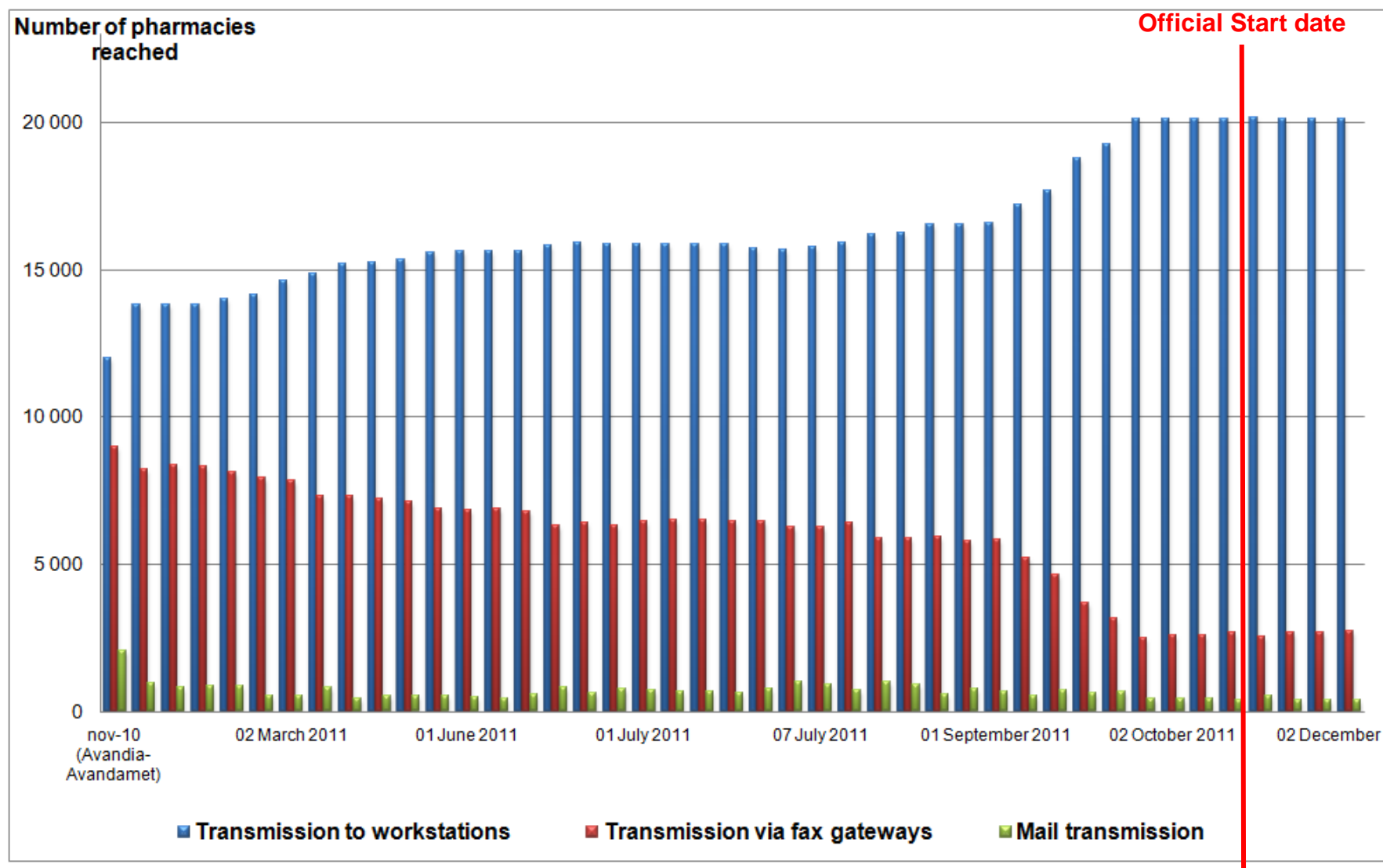
Comments area

Action buttons (Print, Save, Cancel)

The screenshot shows the 'RAPPELS DE LOTS' web application interface. The main form is titled 'Modification d'une alerte'. It contains several sections:

- Caractéristiques de la demande** (Alert identification): Includes fields for 'Identifiant', 'Date de création', 'Numéro de la version', 'Dernier commentaire', 'Dernier contributeur', and 'Coordinateur'.
- Laboratoire(s) émetteur(s)** (Company identification): Includes fields for 'Plusieurs laboratoires', 'Laboratoire', 'Responsable du rappel', 'Adresse', 'Code Postal', 'Ville', 'Téléphone', 'Fax', and 'Email'.
- Contenu de l'alerte** (Alert title and content): Includes a 'Titre' field and a 'Texte du rappel' text area.
- Suite du texte** (Additional content): Includes a 'Suite du texte' text area.
- Historique des événements** (Comments): Includes a 'Nouveau numéro de version' field and a 'Commentaire à ajouter' text area.
- Actions** (Print, Save, Cancel): Includes buttons for 'Imprimer l'alerte', 'Enregistrer la modification', 'Réinitialiser le formulaire', and 'Annuler la modification'.

And then it works : results of our pilot phase

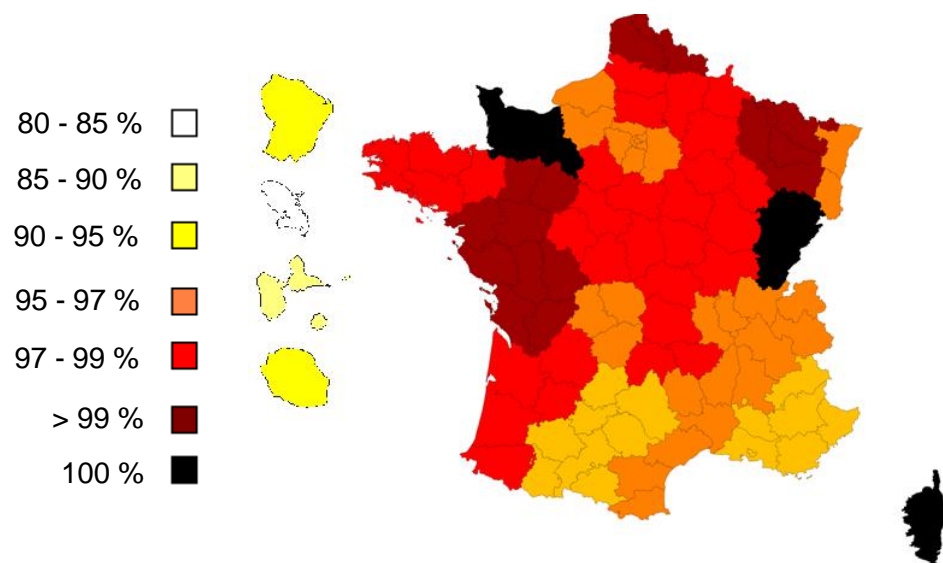


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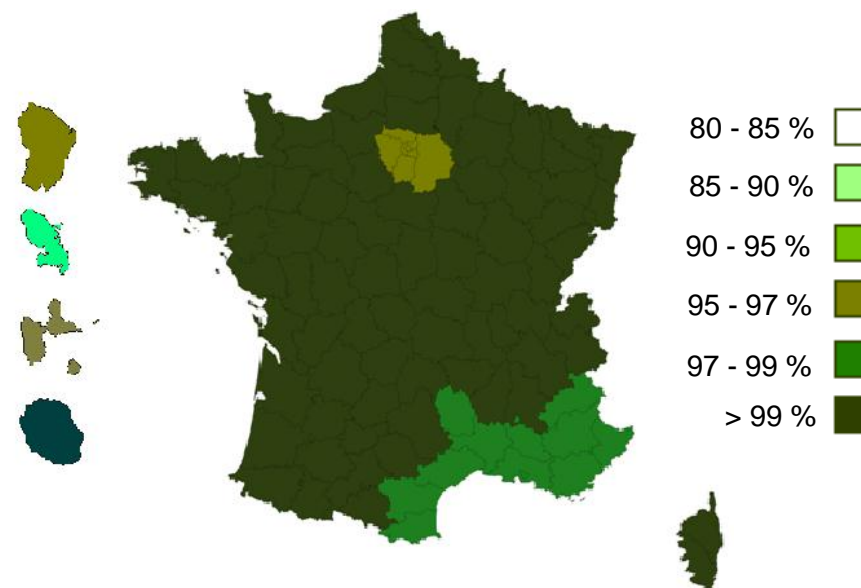
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A truly nationwide coverage

Batch recall results for transmission to
healthcare facilities via fax gateways



Batch recall results for transmission to
community pharmacies on line or via fax



Recall MED12-A007-B007 – Feb. 2012

Future developments

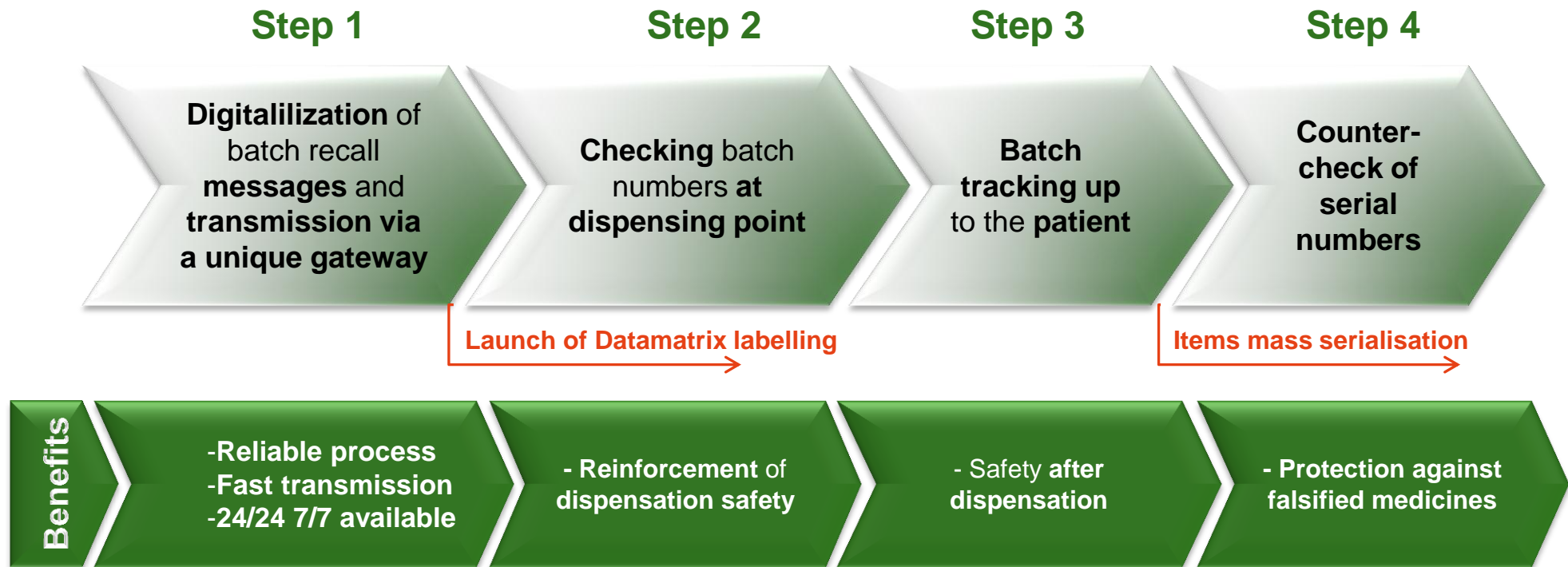
- ▶ Version 1 fully available since november 2011 focuses on fast delivery of batch recall data
 - **Real-time transmission**
 - **Acknowledgement of receipt**
 - **Size increased up to 9000 characters**
- ▶ Version 2, on behalf of Afssaps and industry pharmacists, will introduce three major changes by mid-2012 :
 - **Withdrawal summary**
 - **E-mail Notification system**
 - **Enhanced fax gateway (up to 20000 pages per hour)**



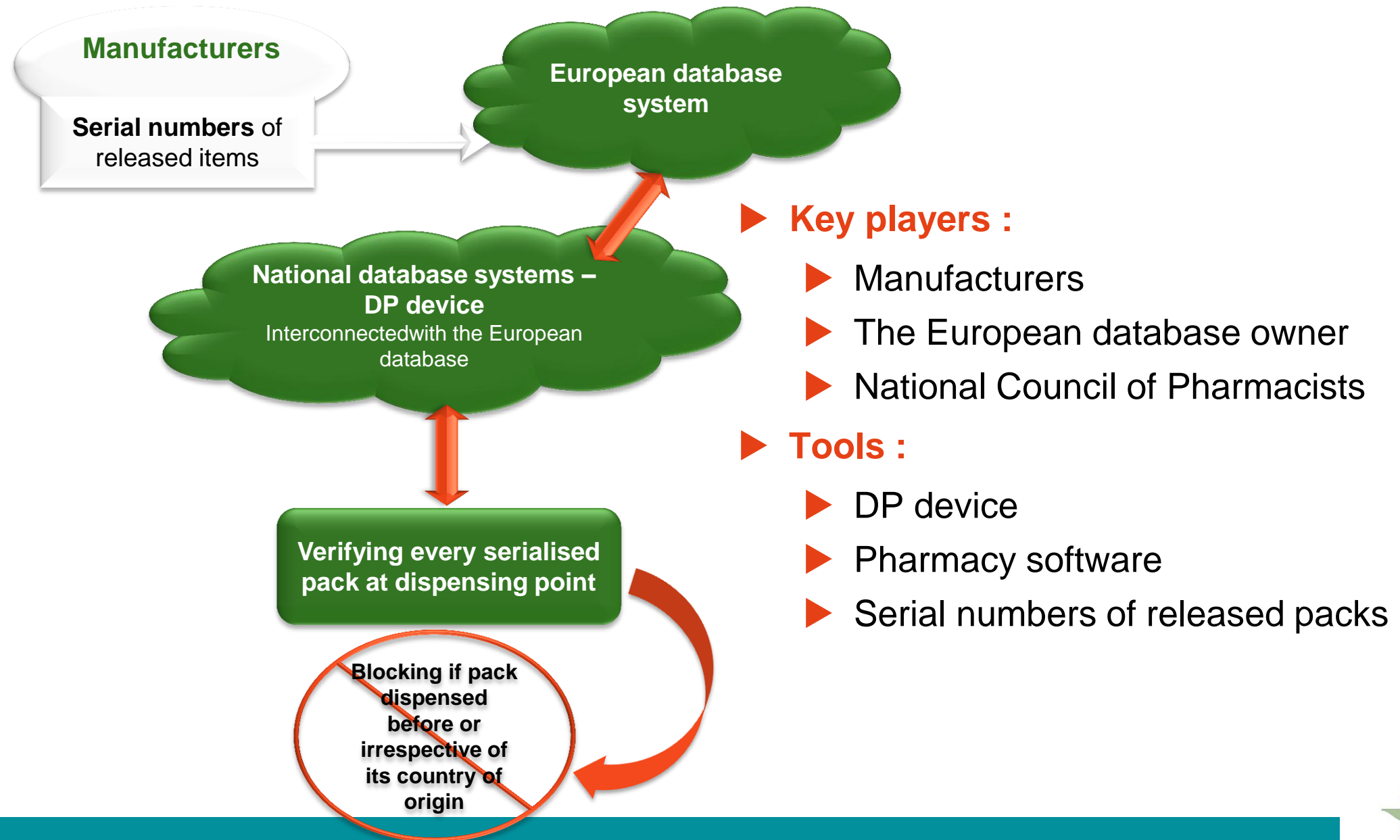
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Batch recall is our model for future extensions

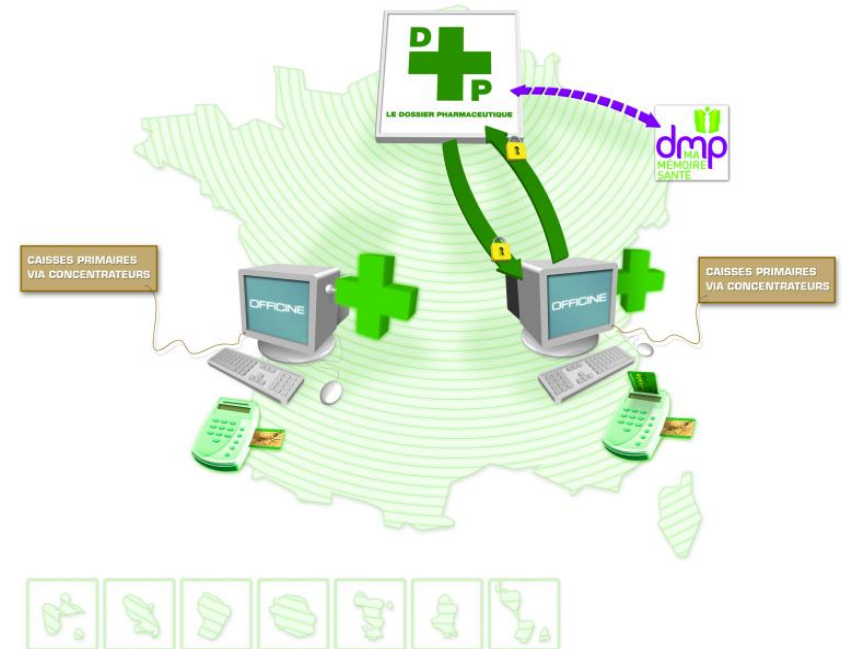


Batch recall is our model for future extensions



Our key success factors

- Pharmacists motivation
- Focus on real-time drug safety
- Dedicated resources and funding from CNOP to ensure delivery
- Software vendors' early commitment and use of existing infrastructure for identification and authentication
- Great attention paid to security and data privacy, along with close cooperation with patient associations
- Innovation and change management



Our vision : reinforce pharmacists missions on end-to-end drug safety, bring DP to hospitals, extend data scope to provide patients with a better service, contribute to world leading scientific studies

Foundation for a better future

- Secure
- Open
- Useful
- Simple
- Available
- Free



OUVREZ VOTRE DOSSIER PHARMACEUTIQUE CHEZ VOTRE PHARMACIEN !

Le Dossier Pharmaceutique ?
Il ne prend jamais de vacances et veille sur votre santé !

LE DOSSIER PHARMACEUTIQUE

Le Dossier Pharmaceutique (DP) contient la liste confidentielle de tous les médicaments qui vous ont été délivrés, quelle que soit la pharmacie, proche de chez vous ou sur votre lieu de vacances.

Le Dossier Pharmaceutique vous permet d'éviter des risques d'interactions entre médicaments.

Le Dossier Pharmaceutique, c'est + de sécurité pour votre santé.

Le DP, un service gratuit à découvrir chez votre pharmacien.



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Au revoir... Thanks for your attention