



The „SmartLog“ Project
Christian Hay, GS1 Switzerland
London, 31 October 2007

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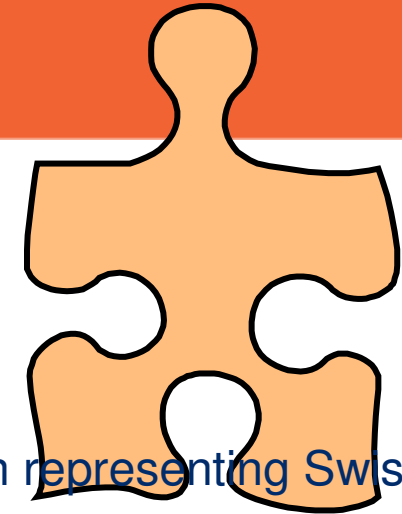
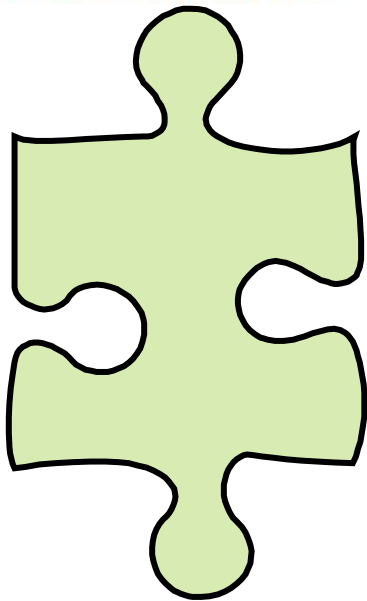
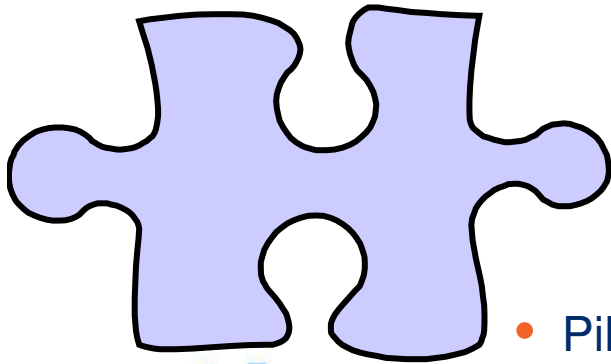
Overview of this presentation

- Sponsors/organisation of the project
- Objectives/Scope
- Technical Concept
- Timeframe
- Expected results

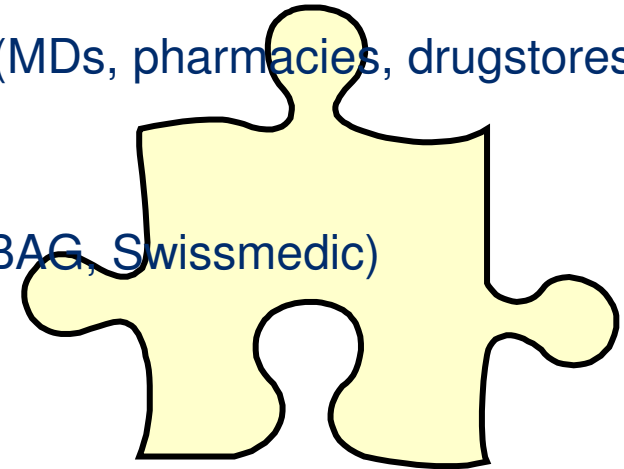
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Organisation/Sponsors



- Pilot sponsored by Refdata Foundation representing Swiss Organisations of
 - Manufacturers (pharma, med-tech) and wholesalers (Interpharma, VIPS, ASSGP, GRIP, FASMED, pharmalog)
 - Care givers organisations (MDs, pharmacies, drugstores, hospitals)
 - Insurers, GS1
 - Swiss federal authorities (BAG, Swissmedic)



- **Project lead** : e-mediat on mandate of Refdata Foundation
- **Manufacturers:**
 - Janssen-Cilag, Mundipharma, Pfizer
 - Novartis (?)
- **Pre-wholesalers:**
 - Alloga, Voigt
- **Wholesalers (100%):**
 - Amedis, Galexis, Voigt
- Selected pharmacies (6 pharmacies, plus voluntary participants)
- GS1 Switzerland

- all participating organisations support their own cost in the project (infrastructure / CHF / HR)
- the budget of the project (cash out) is limited to 55'000.- CHF, mainly for external programming of the pilot application

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- Track & trace
- Combat counterfeiting
- Learn
- Evaluate acceptance problems
- Establish a basis for a later industrial roll-out
- Learn about ownership of supply chain data

- **Track & trace** selected controlled narcotic substances
 - from manufacturer -> each level of the supply chain (retail market) -> patient dispensing (anonymous)
 - Use of GS1 standards
 - considering international trends
- Investigating an „early warning system“ for **counterfeit products**
- Learn about requirements for the **integration** of new processes into existing infrastructures and processes
- Identification of implementation and **acceptance** problems
- Establish a basis for a later industrial roll-out
- Learn about **ownership of supply chain data** and problems in relation with access to data (only Swissmedic has full access to data; project participants access data about the product they are handling, inclusive the next step upstream and downstream)

Out of Scope of the Pilot Study

- completeness of tracking for the labelled products
- process integration at involved partners
- non-pharma products
- hospital supply chain
- limited implementation of “container functions”
(linking SGTIN of included packages to case)

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Willkommen bei Smartlog!

Wer sind wir?

Smartlog ist ein Kooperationsprojekt der [Stiftung Refdata](#), [Swissmedic](#), [GS1 Schweiz](#) und [e-mediat AG](#).

Projektziel

Testung eines einfachen Frühwarnsystems zur Identifikation von gefälschten Produkten.
Im Rahmen des laufenden Pilotprojektes werden Einzelpackungen von ausgesuchten Betäubungsmitteln mittels Barcode speziell ausgezeichnet und können dadurch über einen Webservice vom Produzenten bis zur Abgabe an einen anonymisierten Patienten verfolgt werden.



Details...

Möchten Sie mehr über die vorliegende Medikamentenpackung erfahren? Dann geben Sie den Strichcode manuell oder mit einem Lesegerät ein.

Strichcode

- cross organisational online platform, additional and parallel to existing local client-server systems
- modern scanner technology in combination with ASP technology
- GS1 standards for labelling issues
- Monitoring flow of goods (not flow of funds)
- Centrally managed data pool for all parties, with the design option of later migration to decentralised data management

- Retail packs are labelled with sticker containing in parallel
 - 1D Code:
 - Product-ID (GTIN),
 - Serial number
 - 2D Code:
 - Product-ID (GTIN),
 - Batch number,
 - Expiry Date,
 - Serial number



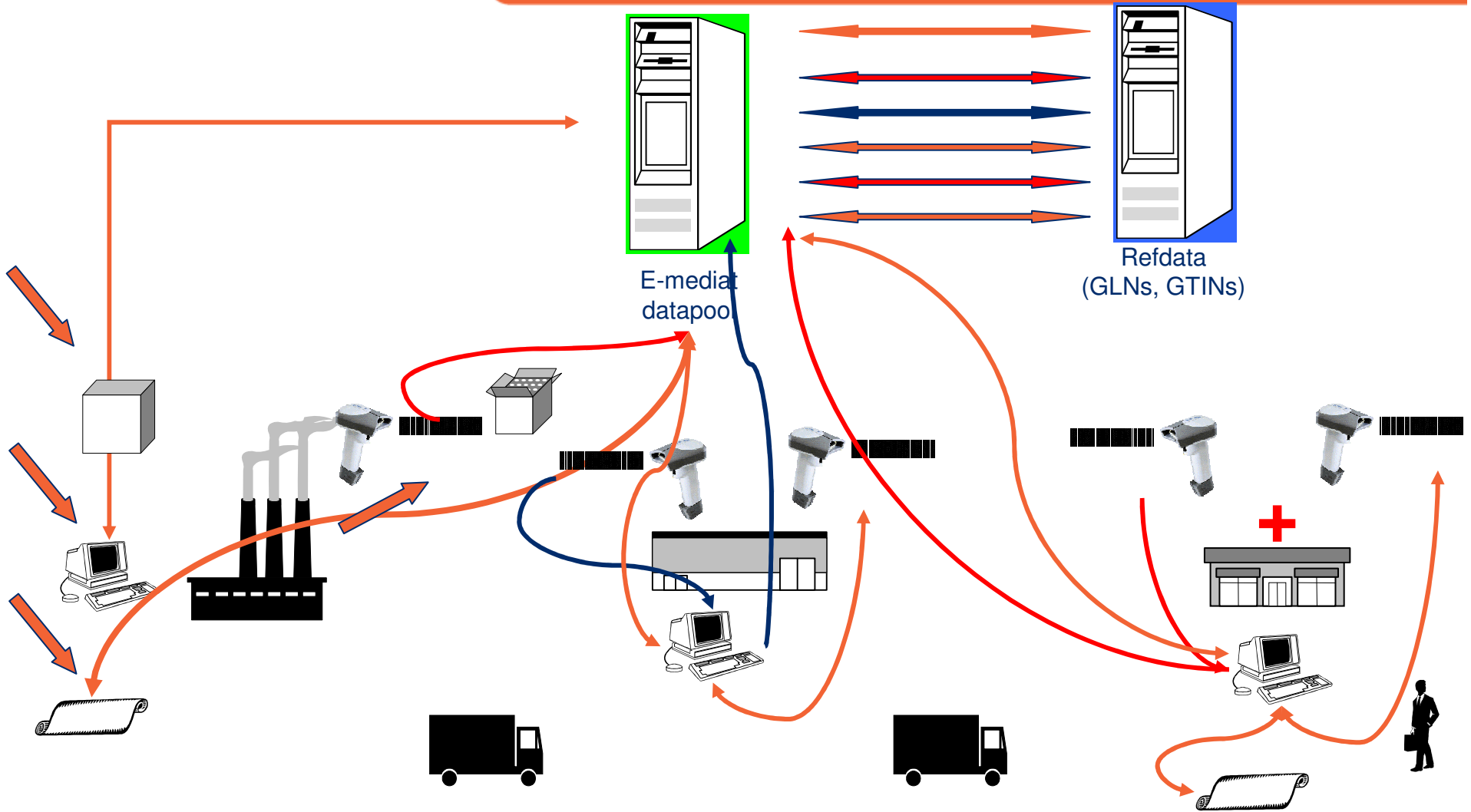
- Labelling by manufacturer / pre wholesaler
 - According GDP
 - Special Swissmedic agreement to consider labelling outside manufacturing rules for the purpose of the pilot (limited number of product, limited time frame)

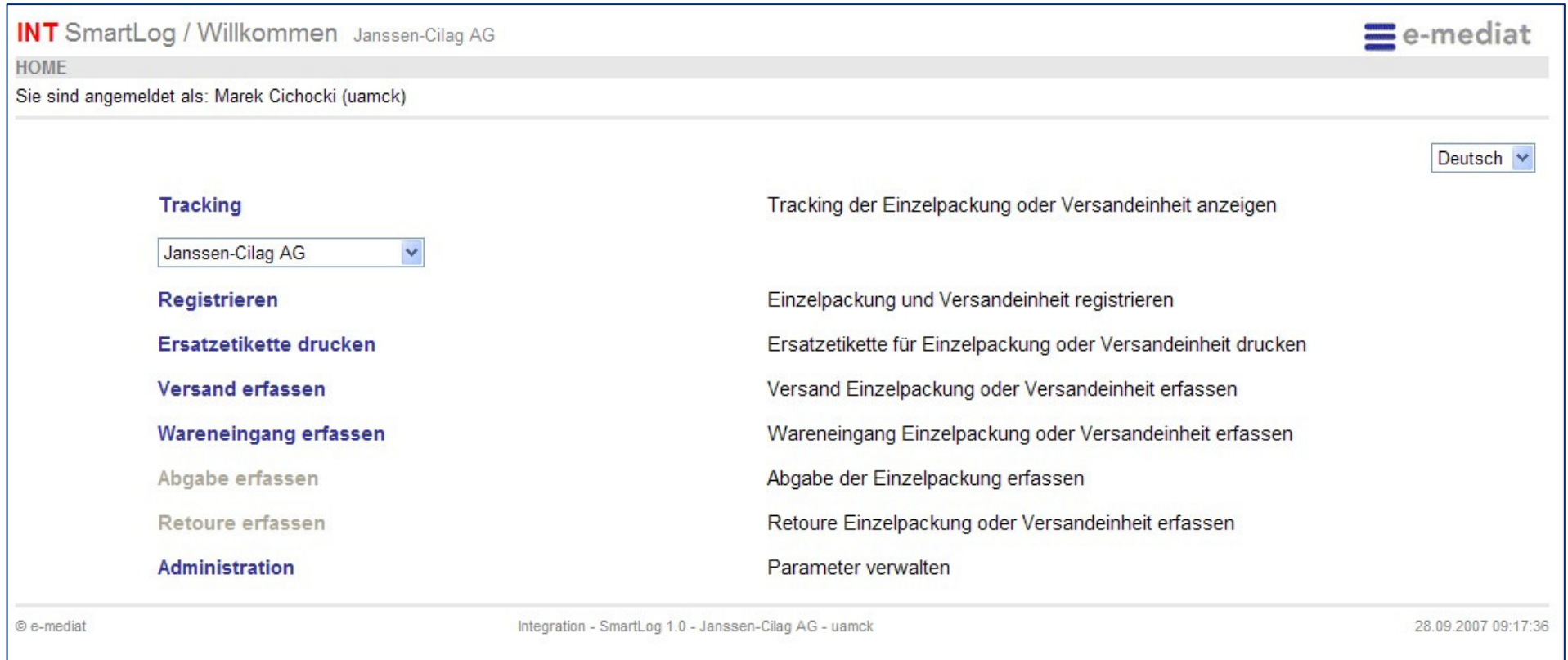


Why:

- Controlled Narcotic Substances:
 - existing workflow,
 - clear legal basis regarding deliveries towards federal authorities,
 - little critical business intelligence to be gained from pilot
 - Validation of pilot outcome with data collected and managed by Swissmedic within the usual narcotic declaration processes

Process Flow





INT SmartLog / Willkommen Janssen-Cilag AG e-mediat

HOME


Sie sind angemeldet als: Marek Cichocki (uamck)

Deutsch ▾

Tracking	Tracking der Einzelpackung oder Versandeinheit anzeigen
Janssen-Cilag AG ▾	
Registrieren	Einzelpackung und Versandeinheit registrieren
Ersatzetikette drucken	Ersatzetikette für Einzelpackung oder Versandeinheit drucken
Versand erfassen	Versand Einzelpackung oder Versandeinheit erfassen
Wareneingang erfassen	Wareneingang Einzelpackung oder Versandeinheit erfassen
Abgabe erfassen	Abgabe der Einzelpackung erfassen
Retoure erfassen	Retoure Einzelpackung oder Versandeinheit erfassen
Administration	Parameter verwalten


© e-mediat Integration - SmartLog 1.0 - Janssen-Cilag AG - uamck 28.09.2007 09:17:36




INT SmartLog / Tracking


[HOME](#) > Tracking

Strichcode


7680562490421 / CONCERTA Tabl 54 mg 30 Stk 




7601001000902
Janssen-Cilag AG

Registrierungsdatum 27.09.2007 09:57 uecrc

Ausgangsdatum 27.09.2007 10:34 uecrc







7601001374669
Amedis-UE SA Prewholesale

Eingangsdatum 27.09.2007 10:35 uecrc

Ausgangsdatum 27.09.2007 10:39 uecrc







7601001026285
Apotheke Zum Gellert AG


Eingangsdatum 27.09.2007 10:39 uecrc

Ausgangsdatum 27.09.2007 10:40 uecrc





7601000123602
Feiner Erica



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28.09.2007 09:18:38



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Feiner Erica

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Ausgangsdatum 27.09.2007 10:39 uecrc

Eingangsdatum 27.09.2007 10:39 uecrc

Ausgangsdatum 27.09.2007 10:40 uecrc

SGTIN

event

GLN

Prescribing MD

Patient (anonym)

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- Project definition
 - Enrolment of project participants
 - Pharmaceutical companies, Pre wholesalers,
 - Wholesalers (all)
 - Pharmacies (~6)
 - programming and documentation of the Webservices
 - Communication about pilot
 - training of the participants
 - Pilot Start
- First Half year 2007
 - Autumn 2007
 - December 2007, on going
 - January 2008, for 3 months

Problem of the renewal of the supply chain (when do new marked product cross the whole supply chain ?)

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Expected results of pilot:

- proof of concept for track & trace, anti-counterfeit functions
- Cross check by Swissmedic with official data collection for narcotic trade

Minimal requirements/definition of interfaces between various systems with respect to future integration with existing infrastructures and processes

Structure of decentralised data centre organisation,
allowing for maximum system interoperability without compromising data confidentiality

Security of access to and necessary level of encryption of shared databases

Identification of future implementation and roll out problems



Questions ?



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