



# The „SmartLog“ Project

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# Overview of this presentation

- Sponsors/organisation of the project
- Objectives/Scope
- Technical Concept
- Results





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## Organisation of the pilot

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

The logo for Refdata, featuring the word 'refdata' in a stylized blue font with a red cross symbol to the right.

refdata

The logo for Swissmedic, featuring the word 'SWISSmedic' in a black font with a red diagonal line above the 'S' and 'W'.

SWISSmedic

The logo for GS1 Switzerland, featuring the GS1 logo (a blue circle with white concentric lines and 'GS1' in white) and the word 'Switzerland' in red below it.

GS1  
Switzerland



# Project Participants

- **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**
- **Swissmedic**





# Financial aspects

- 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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## Objectives of the Pilot

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





## Objectives of the Pilot / details

- **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)



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# Identification of labelled products

- 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





# Welcome screen for data capture

Deutsch

## 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










# GS1 keys in the data capture

INT SmartLog / Tracking e-mediat

HOME > Tracking

Strichcode

7680562490421 / CONCERTA Tabl 54 mg 30 Stk

 7601001000902 Janssen-Cilag AG	Registrierungsdatum 27.09.2007 09:57 uecrc	event
	Ausgangsdatum 27.09.2007 10:34 uecrc	
 7601001374669 Amedis-UE SA Prewholesale	Eingangsdatum 27.09.2007 10:35 uecrc	GLN
	Ausgangsdatum 27.09.2007 10:39 uecrc	
 7601001026285 Apotheke Zum Gellert AG	Eingangsdatum 27.09.2007 10:39 uecrc	Prescribing MD
	Ausgangsdatum 27.09.2007 10:40 uecrc	
 7601000123602 Feiner Erica		Patient (anonym)
		

© e-mediat Integration - SmartLog 1.0 - - uamck 28.09.2007 09:18:38



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## Some key information

- Project run between 15 January and 15 April 2008
- 57'600 items serialised
- 0.2 % passed through the pilot supply chain
- No misshapen (no disruption in the supply chain – narcotics !)
- Cross check with Narcotic Control Board confirms excellent quality of data





## Analysis of outcomes

- Feed-back linked to piloting conditions:
  - Work load for sticking labels
  - Time consumption for manual data capture on web interface
  - IT non-integrated process
- Feed-back regarding future conditions
  - Users positive
  - Authorities positive
  - Large volumes will not be traceable at unit level
  - Integrated processes at retail level will simplify stock management and regulated documentation



# Learnings

- Traceability
  - Not possible at item level (serialised) at all level of supply chain
  - Requests “container function” = GS1 tools for traceability by lot
  - Hospitals haven’t been considered in the pilot – adapted processes to verify





# Learnings

- Supply Chain Data
  - Market partners want to keep their own data for themselves
  - Identifying entrant in the supply chain needs alert messages across the whole chain, up to manufacturer / importer
  - Validity check at the POS to be as efficient as Credit Card control
  - Is the patient / consumer empowered to access validity check (“mobile access”)?





# Outcomes

- Technical report
  - *Including aspects as data results, processes, etc.*
  - Reviewed by project partners (users)
  - Assessed by GS1 Healthcare Switzerland
  - Approved by Refdata foundation
- Strategic report
  - *Including aspects about data ownership, etc.*
  - Produced by pilot lead
  - Approved by Refdata foundation



Questions ?





# Contact



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