The Global Language of Business

GS1 Healthcare Provider Advisory Council Webinar

The importance of accurate product data for hospitals – a pilot

Dr. Hajo Reißmann, Head of Medical Supply Controlling,
University Medical Center Schleswig Holstein, Germany

April 2016

Welcome and thank you for attending!

- Welcome to our April 2016 webinar. Thank you to our guest speaker – Dr. Hajo Reißmann, Head of Medical Supply Controlling, University Medical Center Schleswig Holstein, Germany

- 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

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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

- 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

Identification of projects and case studies

- That support the adoption of GS1 Standards in healthcare providers and retail pharmacies
- For publication, presentation and sharing

A source of expertise and advice

- 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

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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
- http://www.gs1.org/healthcare/hpac

GS1 Healthcare also holds two global conferences per annum. Next conference in Dubai from 18-20 April.

Significant Healthcare Provider participation on the agenda. Go to: http://healthcare-event.gs1.org

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The importance of accurate product data for hospitals – a pilot

H. Reissmann
University Medical Center Schleswig-Holstein, Lübeck & Kiel

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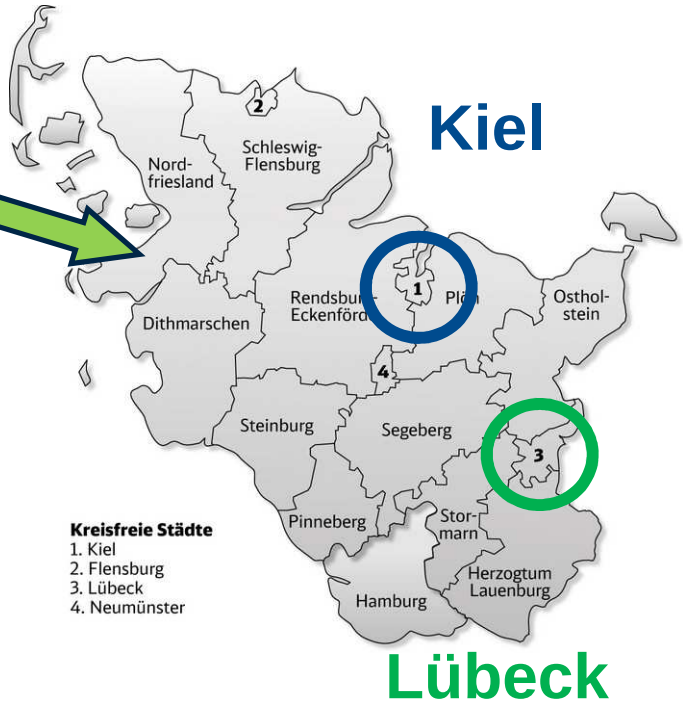
Schleswig-Holstein & its University Medical Center



Beds

Kiel	~1.200
Lübeck	~1.100

Inpatients / year

Kiel	~50.000
Lübeck	~50.000

Outpatients / year

Kiel	~170.000
Lübeck	~140.100

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Agenda

- Why?
- How?
- Challenges
- Related Activities
  - UDI

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Why? – Healthcare providers in a squeeze

- Rising demands
  - demographics
  - medical progress
  - rising expectations
- Limited resources
- ➔ Services have to be provided with increasing efficiency
  - Reduce cost
    - purchasing
    - streamline processes
  - Optimize reimbursement
- Related aspect: Enhance **patient safety**

Meeting the squeeze

- Know for whom and where material is used: Capturing at the point of care
  - Numerous advantages and improvements (cf. webinar by Kevin Downs, March 2016)
    - Less stock, auto-replenishment
    - Transparent cost per procedure
    - Better reimbursement through better coding
    - *etc.*

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Meeting the squeeze

- Know for whom and where material is used: Capturing at the point of care
  - Identification of materials turned out to be a big challenge
  - *Not merely label design*
  - Availability, i.e. Communication of identifier data

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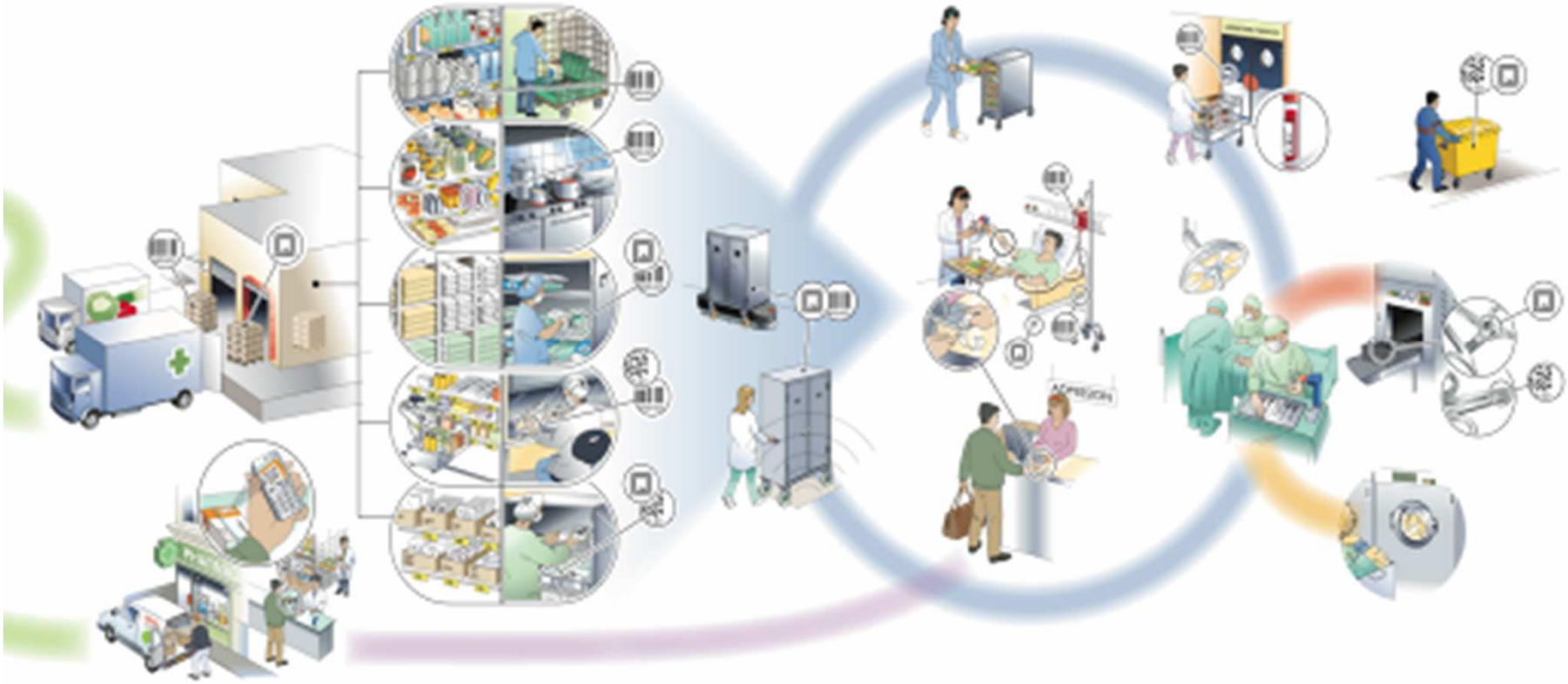

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Focus on the basics

- Secure and easy identification is a MUST
  - data carriers
    - ideal: Single data carrier containing both device identification (DI) and production identification (PI = lot number, serial number, expiration date, …)
  - identifiers

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Tasks on hand

- Identify and tap sources for master data
- Define which information is needed

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Hospitals need good Product Master Data – *what for* and *which*?

- **Patient safety**
  - Identification (device and production) ➔ registers, recalls
  - Product characteristics (attributes)
- Supply chain management
  - Identification (→procurement, tracking, stock surveillance)
  - Classification & characteristics (attributes) (→procurement, reporting)
  - Terms & conditions (→procurement)
- Clinical processes, revenue, analytics & science
  - Identification
  - Enhanced product characteristics (attributes)

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Streamlining medical processes

- Have in the right place at the right time
  - Patient
  - Providers
  - Appliances
  - Devices & Consumables
  - **Information / knowledge about**
    - Patient
    - Providers
    - Appliances
    - Devices & Consumables

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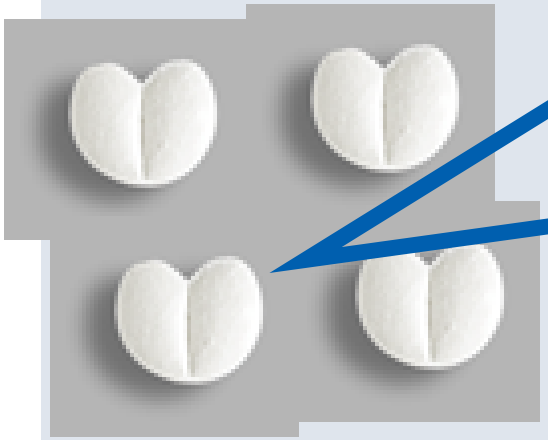
Product characteristics



- My Name is …
- I belong to class …
- I‘m used for …
- I shouldn‘t be used in case of …
- I interact with …
- My price is
- My use is to be documented by procedure code …
- I am associated with a special reimbursement component

Accuracy – one aspect of quality

- Quality = fitness for purpose
  = fulfilling requirements
- Quality criteria for Master Data
  - Available
    - Easy
    - Timely
    - Everywhere
  - Accurate / Correct
  - Comprehensive

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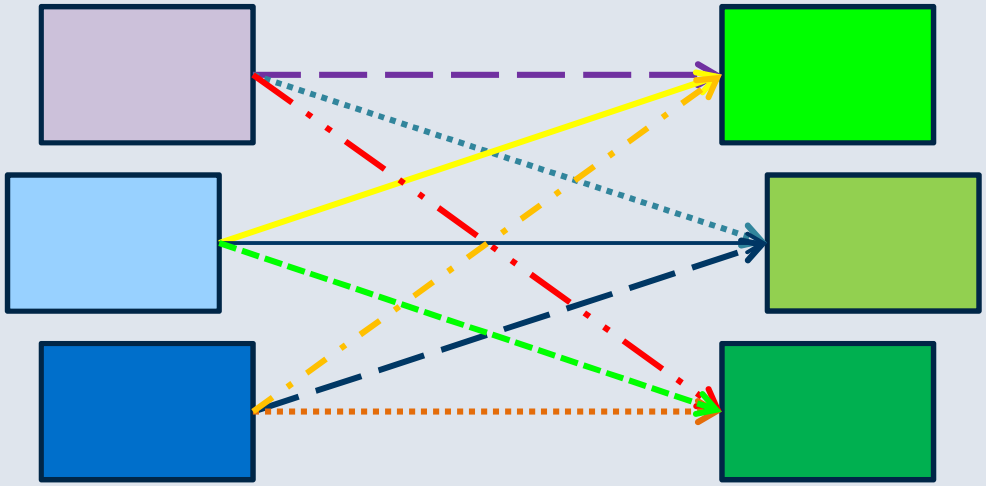
Availability –
The Challenge of Master Data Communication

- Many-to-many communication between vendors and customers (= healthcare providers)
  is unreliable and cumbersome for all parties



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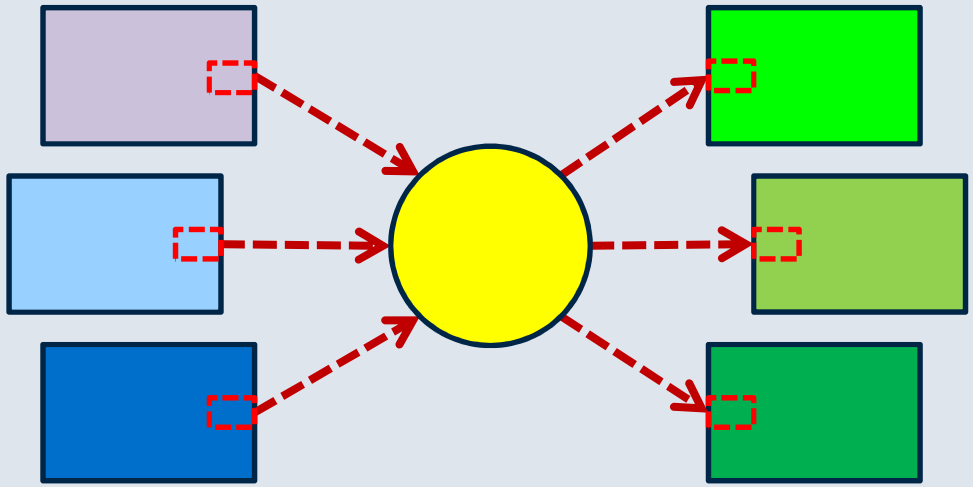
Availability – The Challenge of Master Data Communication

- Many-to-one-to-many communication via a data hub is an established principle in IT



- Everybody has one direct counterpart
- Regular updates can be easily managed
- Added value services can be incorporated
  - quality assurance, validation, enhancement

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Example: German Pharmaceuticals Database

- Company owned by the Associations of German Pharmacists
- Collects and compiles data on all pharmaceutical products approved in Germany
- Offers subscription to its database
- Display and integration into hospital IT by third party software

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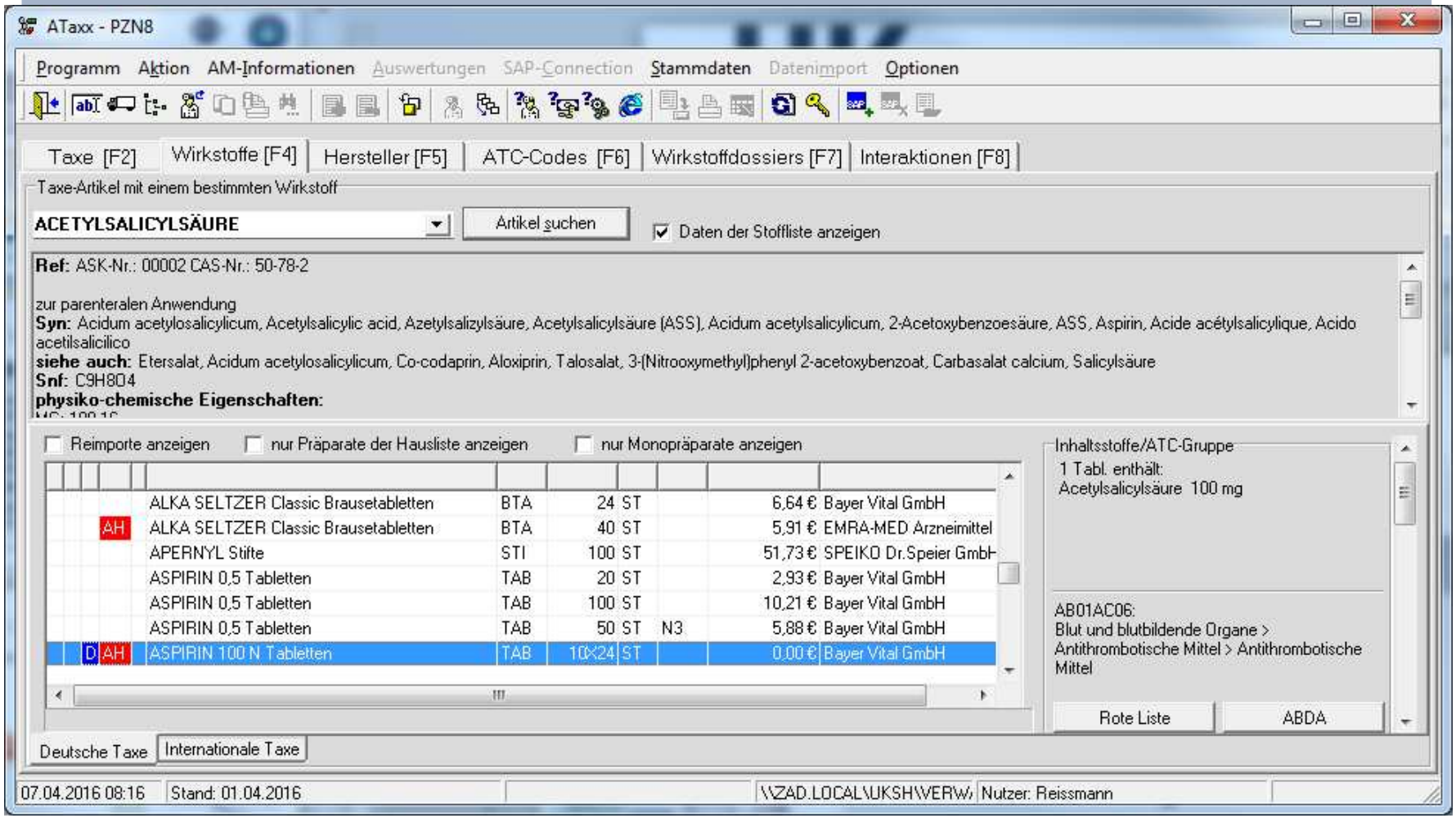
Example: German Pharmaceuticals Database



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More inspiring examples

- Australian national product catalogue
- NHS / Department of Health (GB)
  - datapool
  - product information management system

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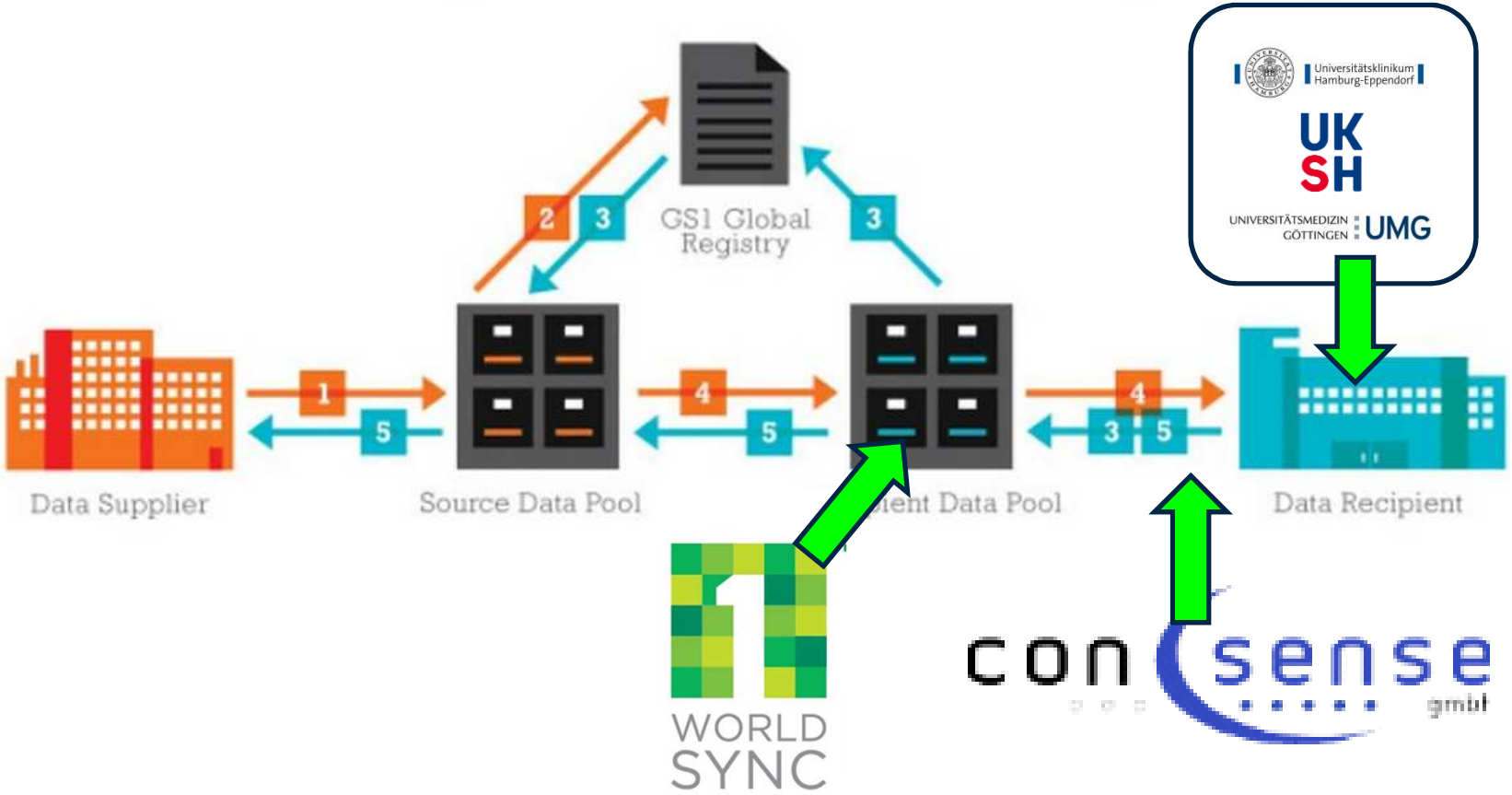
Global Data Synchronization Network (GDSN)



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Challenges

- Getting used to a catalogue system
  - many hospitals are experienced catalogue users and their catalogue system is well integrated with material management
  - we are starting to learn
  - possibly adaptations and enhancements to the software will be needed

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Challenges

- The widening scope of master data management means a culture shock
  - In the past the content was related to purchasing and the supply chain – i.e. used by people close to the master data managers
  - Now there is content used by clinical staff (= aliens…)
  - Master data are responsible for work flows: A flag in the record causes a dialogue during scanning, prompting the operator to record the lot number, etc.

Challenges

- Prerequisite for IT system interoperability: Synchronisation of product master data
  - interfaces do not exist or are insufficient
  - data models differ
  - compensation by “human interfaces”

Challenges

- Manufacturers and vendors need to join
  - They, too, will benefit from the single path of communication
  - Anyway, UDI regulations require master data to be submitted to a central data base (GUDID)
    - Many pool providers offer the service of conversion into the GUDID format

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Accuracy – one aspect of quality

- Quality = fitness for purpose
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- Quality criteria for Master Data
  - Available
    - Easy
    - Timely
    - Everywhere
  - Accurate / Correct
  - Comprehensive

- Various approaches for quality assurance
  - central agency (GB)
  - pool providers
  - specialized businesses
  - GPOs / hospitals ??

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GDSN pools have room for enhancements

- Share the perspective of the customer, i.e. the healthcare provider
- Build sections of the pool where groups of customers can store data
  - Linked to the content coming from & owned by the vendor
- *(Hot additional features for a really cool pool)*

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Thank you for your attention

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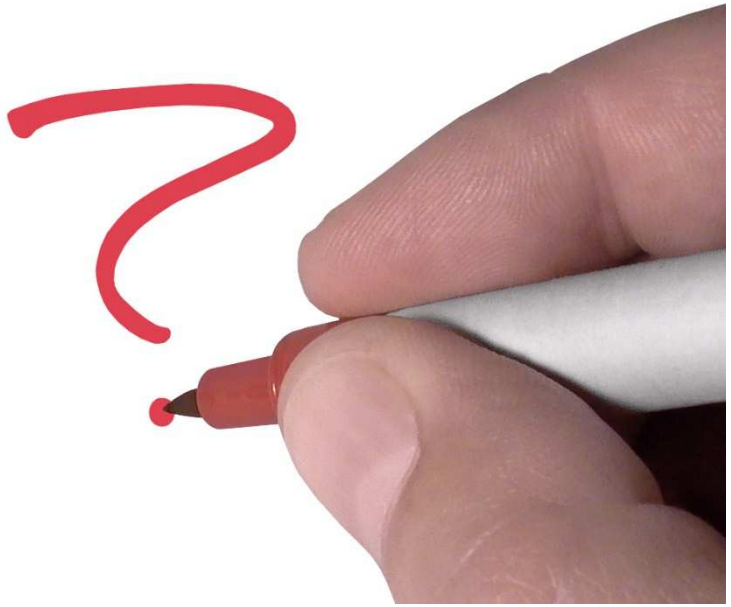
HPAC Questions & Contact Details



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