



The Global Language of Business

GS1 Belgilux Partners Event

10 Feb 2023

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- (see also article 2.2 of the General Conditions of GS1 Belgium & Luxembourg approved by the Board on October 28 2015)

Agenda

- Welcome
- GS1 Partners programme
- GS1 Belgilux strategy 2023
- Projects update
 - Global migration to 2D barcodes at POS
 - My Product Manager
 - FMCG/FS sector
 - DIY, garden & pet sector
 - Healthcare sector
 - Transactional data
- Wrap up

Who's who?



Jan Somers - CEO



Chantal Timmerman
- Business dvpt



Karen Arkesteyn -
Innovation mger



Robin Goossens -
Standardisation mgr



Dennis De Cat -
Product specialist



Raphaël Ghaye -
FMCG/FS



Patrick Ponsaerts/Sarah
Cumps - Healthcare



Sarah Lard -
DIY, garden & pet



Sophie Bryskère -
Communication

GS1 Partners programme

Chantal Timmerman

GS1 Belgilux: Facts & Figures



Members



9.000
 >90% SME's

Turnover



8 Mio €

Employees



45
FTE's

Industries



FMCG &
 Foodservice

52%
 Growing



DIY, Garden & Pet

17%
 Stable



Healthcare

6%
 Growing



Transport &
 Logistics

1%
 Growing

Who can become a GS1 partner?



- A consulting company,
- a software editor or integrator,
- a hardware manufacturer,
- a digital solution provider
- or any other company offering services or solutions integrating GS1 standards.

→ In short, **if your company is led to encounter GS1 standards and you either need support or want to detect the right opportunities at the right time, then GS1 Partnership is made for you.**

Why become a partner?

1



Expand your area of expertise by including GS1 standards

2



Increase your visibility

3



Networking and business opportunities

The benefits of GS1 Partnership

Your partnership offers your **free access** to:



Our trainings



Support from our
helpdesk(s)



Documentation



Barcode control



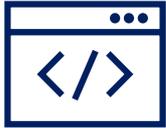
H02C validation
tool



GS1 partner
event

The benefits of GS1 Partnership

Being partner helps you to gain **new customers**:



Visibility on GS1 website



GS1 partner logo



GS1 events



GS1 staff @ your event

New: Partner in the picture

Gain **extra visibility** for your company:



Webinar



Blog article



Newsletter/social media

Additional fee: 299€

How can we help each other?

GS1 strategy 2023-2025

Karen Arkesteyn
Innovation Manager

Setting the scene





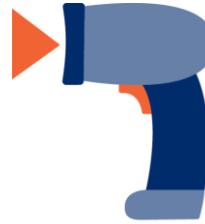
legislator



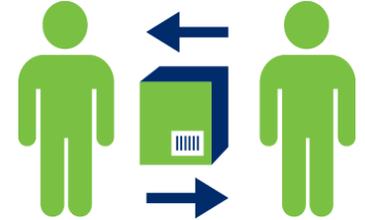
consumer



solution provider

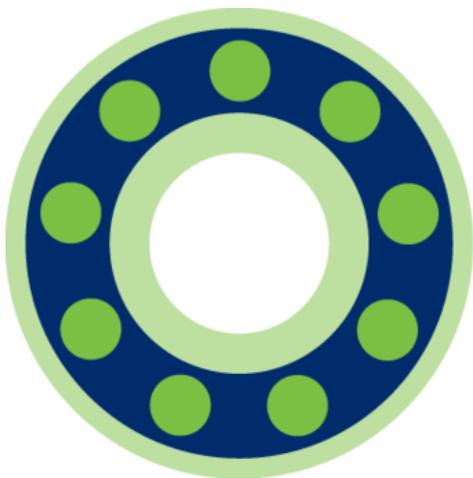


technology



business

The world evolves and we need to be proactive |



Looking at the scarcity of raw materials, the waste crisis and climate change

It forces *all of us* to rethink the concept of “product life” and to invest more in **reuse & recycle** (upcycle)

We need data-driven insights and transparency to make this happen

This requires **verified and trusted data**
Exchanged through **interoperable** systems

From a linear to a circular economy model

1. A product passport shall meet the following conditions:
- (a) it shall be connected through a data carrier to a **unique product identifier**;
 - (b) **the data carrier shall be physically present on the product, its packaging or on documentation accompanying the product**, as specified in the applicable delegated act adopted pursuant to Article 4;
 - (c) **the data carrier and the unique product identifier shall comply with standard ('ISO/IEC') 15459:2015**;
 - (d) all information included in the product passport shall be based on **open standards, developed with an inter-operable format and shall be machine-readable, structured, and searchable**, in accordance with the essential requirements set out in Article 10;
 - (e) the information included in the product passport shall **refer to the product model, batch, or item** as specified in the delegated act adopted pursuant to Article 4;
- (12) To ensure that the product passport is flexible, agile and market-driven and evolving in line with business models, markets and innovation, it should be based on a **decentralised data system, set up and maintained by economic operators**. However, for enforcement and monitoring purposes, it may be necessary that **competent national authorities and the Commission have direct access to a record of all data carriers and unique identifiers linked to products placed on the market or put in service**.

GS1 Unique identifiers and data carriers based on global standards

GS1 No proprietary solutions

GS1 Granularity
The information included in the product passport shall refer to the product model (e.g. iPhone 13), batch (e.g. iPhone 13, produced in factory XYZ), or item (e.g. iPhone 13, serial number 123456789)

**GS1 Decentralised system...
... with a central registry**

GS1 Liability
The economic operator placing the product on the market is responsible for making available the DPP and for the information included therein

GS1 Access rights ('need-to-know')
The access to information included in the passport shall be regulated in accordance with the essential requirements included in Article 9. The specific access rights at product group level will be identified in the applicable delegated act.

Article 12 – Product Passport registry

1. The Commission shall set up and maintain a registry storing information included in the product passports required by delegated acts adopted pursuant to Article 4. The registry referred to in the first subparagraph shall at least include a list of the data carriers and unique product identifiers referred to in Article 9(1). The Commission shall ensure that the information stored in the registry referred to in the first subparagraph is processed securely and in compliance with Union law, including applicable rules on the protection of personal data.
2. The Commission shall, in the delegated acts adopted pursuant to Article 4, specify the information which, in addition to being included in the product passport, shall be stored in the registry referred to in paragraph 1, taking into account at least the following criteria:
 - (a) the need to allow for the verification of the authenticity of the product passport;
 - (b) the relevance of information for supporting the efficiency and effectiveness of market surveillance checks and customs controls in relation to products covered by delegated acts adopted pursuant to Article 4;
 - (c) the need to avoid disproportionate administrative burden for economic operators.
3. In relation to its responsibility to establish and manage the registry referred to in paragraph 1 and the processing of any personal data that might result from that activity, the Commission shall be regarded as controller as defined in Article 1, point (8), of Regulation (EU) 2018/1725.
4. The economic operator placing the product on the market or putting it into service shall upload, to the registry referred to in paragraph 1, the information referred to in paragraph 2.
5. The Commission, competent national authorities and customs authorities shall have access to the registry referred to in this Article, for carrying out their duties pursuant to Union legislation.

ANNEX III – Digital Product Passport

The requirements related to the product passport laid down in the delegated acts adopted pursuant to Article 4 shall specify what information shall or may be included in the product passport from among the following elements:

- (a) information required under Articles 9(2) and 9(3) or by other Union law applicable to the relevant product group;
- (b) the **unique product identifier** at the level indicated in the applicable delegated act adopted pursuant to Article 4;
- (c) the **Global Trade Identification Numbers** as provided for in standard **ISO/IEC 15459** or equivalent of products or their parts;
- (d) **information connectivity codes**, such as a **FAIR code** as defined in Council Regulation (EU) No 2446/17;
- (e) **certification documentation and information** required under this Regulation or other Union law applicable to the product, such as the declaration of conformity, technical documentation or conformity certificates;
- (f) **user manuals, instructions, warnings or safety information**, as required by other Union legislation applicable to the product;
- (g) **information related to the manufacturer**, such as an **unique operator identifier** and the information referred to in Article 2(17);
- (h) **unique operator identifier** other than that of the manufacturer;
- (i) **unique facility identifier**;
- (j) information related to the importer, including the information referred to in Article 2(17) and its **EUROPEAN**;
- (k) the name, contact details and **unique operator identifier code of the economic operator** established in the Union responsible for carrying out the tasks set out in Article 4 of Regulation (EU) 2019/1020 or Article 17 of Regulation (EU) ...

GS1 Track & tracing
Unique operator identifiers and unique facility identifiers may be requested. These are key information component to allow the track & tracing of information along the supply chain

- Sustainable Product Regulation Proposal, under EU Green Deal
- “The product passport means a set of data specific to a product that includes the information (specified in the delegated act) and that is accessible via electronic means through a data carrier”
- Applicable to any physical good placed on EU market or put into service (= global impact)
- Food, feed, medicine exempted (for now)
- Goal is to reduce lifecycle environmental impact of the product
- Through track & trace and verification

With the **Digital Product Passport**



Open standards
for track & trace



Data quality
and verification



Neutrality



Leverage existing
standards and
infrastructures



Interoperability
and compatibility

GS1's role within the Digital Product Passport framework |

Reinforcing

- Data quality needs
- Standardization needs

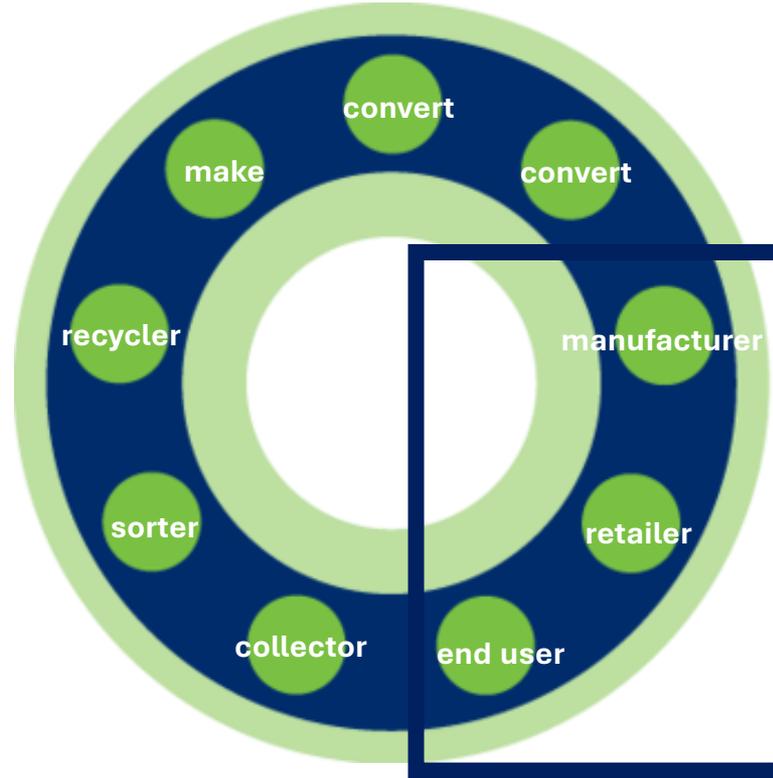
But also, **introducing**

- New data
- New players
- New user journeys
- Other industry standards

And **impacting**

- Our memberships
- Our standards
- Our services

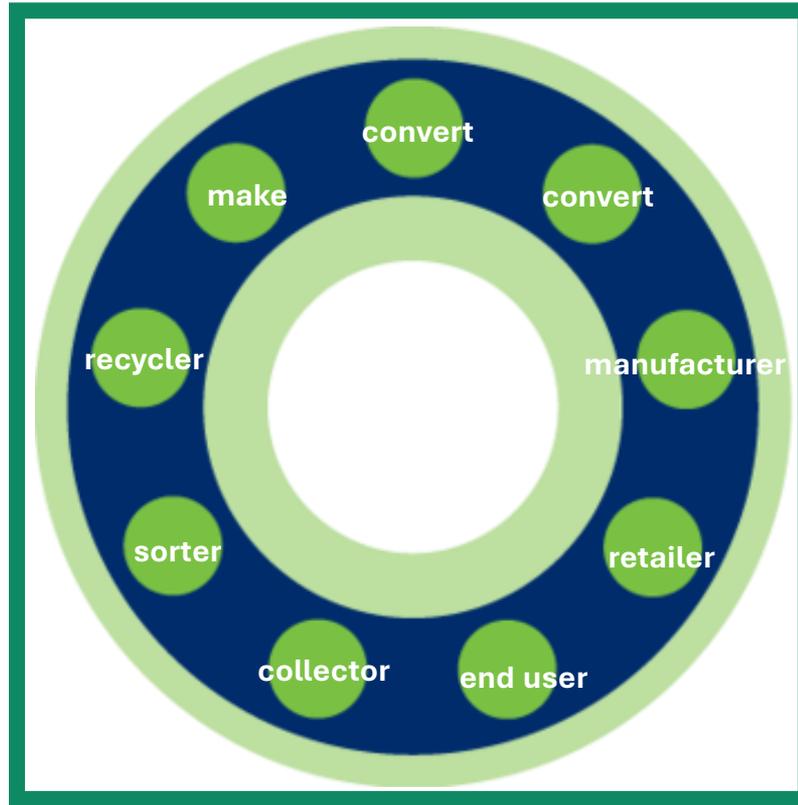




AS IS
ecosystem
→ **To protect**

Our ecosystem will be expanding

- More data exchange
- Full lifecycle of product
- Many-to-many communication
- Importance of digital twin



TO BE ecosystem
→ To create value

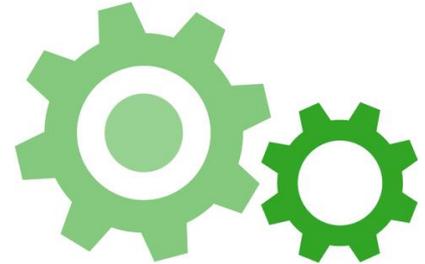
Our ecosystem will be expanding



- Authentication and verification of identifiers and data
- Enable circular economy



- Community engagement
- Collaboration at EU/GO level



- Process efficiency
- Digitization
- User experience



TRUST

our identifiers

our data

our role within the ecosystem

our members

Our guiding principles |



INTEROPERABILITY

Between
GS1 MOs

Between
IT systems

Between other
industry standards

Our guiding principles |



Our ambition is to **protect** and to **create value** for our members along the customer journey

Our objective is to enable the circular economy with **trusted identifiers** and **trusted data**

Our ambition & objective |



Enable our members to create a Digital Product Passport



Ensure unique and verified identifiers



Improve and ensure quality and efficiency of data exchange



Stimulate/facilitate a digital (and green) ecosystem

4 strategic goals

Questions?

Global migration to 2D barcodes at retail POS

Karen Arkesteyn



2D barcodes: what?



BE-BIO-02



COLRUYT GROUP

A consommer de préférence avant le:

Oorsprong / Origine:
Ten minste houdbaar tot:

Ein-Eis Fr. Colruyt N.V./S.A.
Edrigensesteenweg 196
B-1500 Halle



5400141060362

netto
0,560kg



012
0133

boni

BIO

van biologische teelt
d'origine biologique
courgettes
2 stukjes - 2 pièces

2 stukjes

1
SPANJE-ESPAGNE
20-30
01.02.18

How did we get there?



- **Market trend:** demand for **more (accurate) data** coming from
 - Supply chain
 - Consumer
 - Legislator

Transparency

Traceability

Sustainability

Safety

Efficiency

- And at the same time: **technology evolves**
 - Improved scanning and printing equipment
 - New barcodes and standards enabling higher data capacity

2D barcodes: what?



1D or *linear*

- Barcodes that are made up of parallel lines and spaces
- Most carry only a GTIN
- Can be scanned by traditional laser scanners or image-based scanners

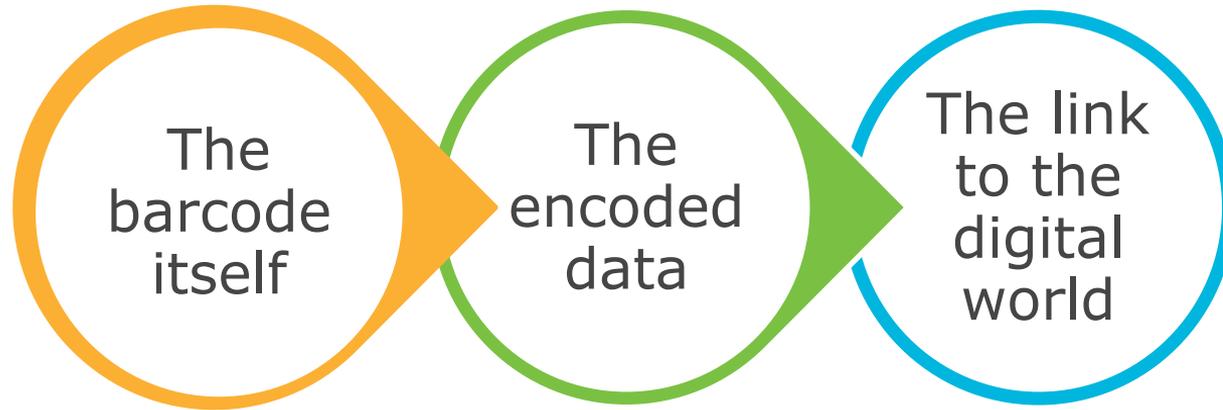


2D or *two-dimensional*

- Barcodes that consist dark and light spaces on a grid, like a checkerboard
- Despite being **smaller** than most 1D barcodes, they can carry **significantly more data**
- **More reliable** due to error-correction
- Require an image-based scanner to read, so traditional laser scanners are not compatible



2D barcodes: why?



2D barcodes: why? The barcode itself



- **Smaller size**
- **High readability** (error correction algorithm)
- **Higher data capacity**
 - = more automation
 - = fewer human intervention
 - = fewer errors
 - = saving time and money
- **Concrete example: moving from 13-digit national number to GTIN + weight for variable measure items in FMCG**
 - = globally unique number
 - = no administrative burden, more efficiency in data exchange
 - = one solution for all retailers in all countries



2D barcodes: why? The barcode itself



- Testing of 2D barcodes in lab environment University of Memphis
- Different phases approach
- So far results are positive and in line with Belgilux implementations
- See [Test results](#)

2D in retail testing

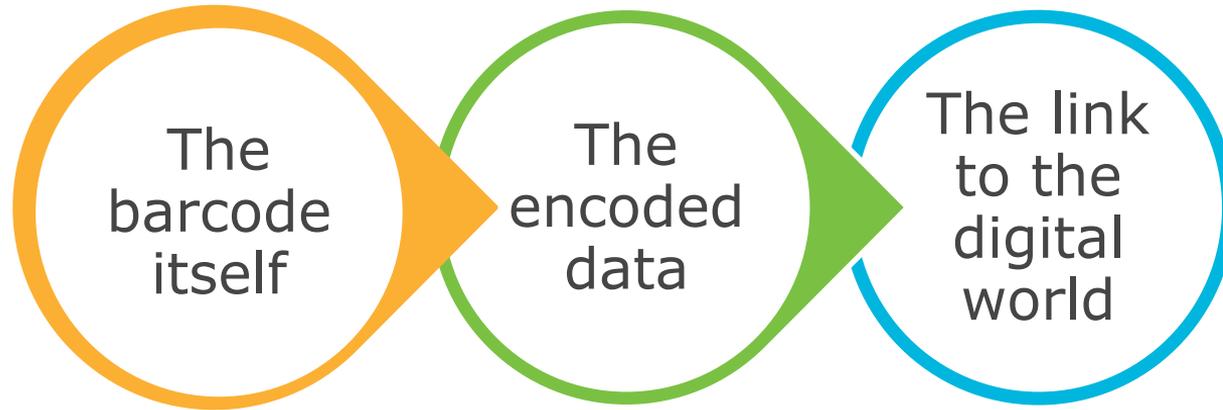
[2D barcode scanning_Tier 2_preliminary_results \(May 2022\)](#)

[2D barcode scanning_Tier 1 final results](#)

[2D barcode scanning_Tier 1_preliminary_results \(Feb 2022\)](#)

[2D barcode scanning test plan: Executive Summary \(Sept 2021\)](#)

2D barcodes: why?



2D barcodes: why? The encoded data



<h3>Inventory Management</h3>  <ul style="list-style-type: none">• Maintain FIFO• Inventory Accuracy• Availability and Location Insight• Avoid Waste, Ensure Freshness	<h3>Traceability</h3>  <ul style="list-style-type: none">• Product Authentication• Ingredient Sourcing info• Supply Chain Visibility• Consumer Trust	<h3>Safety</h3>  <ul style="list-style-type: none">• Brand Integrity• Prevent sale of expired or recalled product• Fight Counterfeiting
<h3>Sustainability</h3>  <ul style="list-style-type: none">• Recycling info• Enables Circular Economy• Waste Prevention• Farm to Fork	<h3>Consumer Engagement</h3>  <ul style="list-style-type: none">• Access to Brand authorized info• Promotions• Recipes• Opportunities to engage with the brand	<h3>Improved Packaging</h3>  <ul style="list-style-type: none">• Marketing goals on-pack• Regulatory compliance• Enhanced Consumer Experience

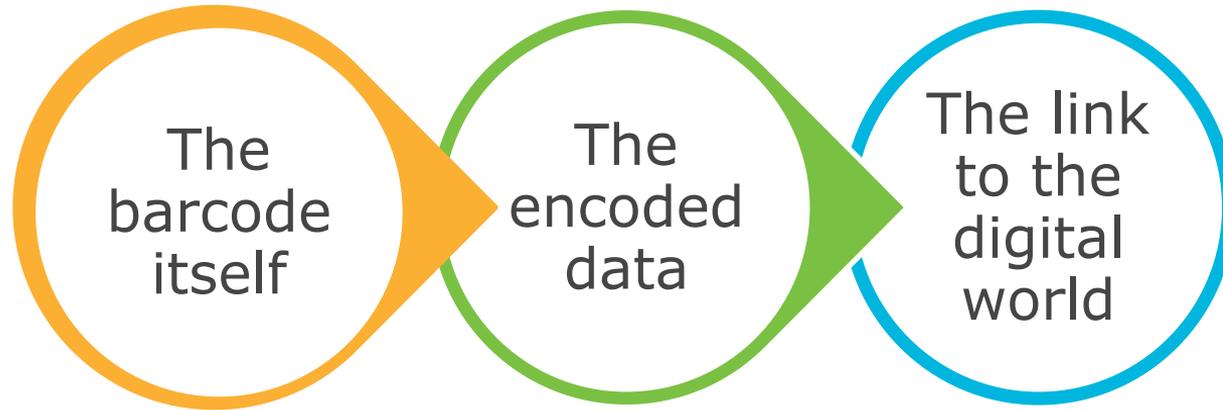
2D barcodes: why? The encoded data



- Concrete examples
 - Encoding 'lot number' → targeted recalls
 - Encoding 'best before date' → food waste management
 - Encoding 'country of origin' → compliance with meat traceability regulation

- Find out your use case in our [Barcode Explorer](#)

2D barcodes: why?





2D barcodes: why? The link to the digital world



- Some examples

Video with instructions

Info on child labour

Information on use of chemicals

Information on allergens

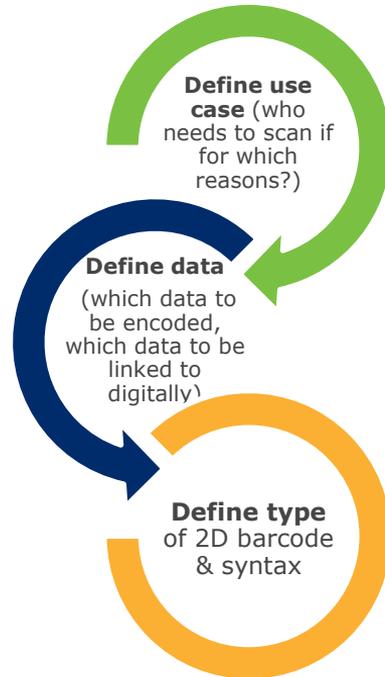
Recipe

Customer loyalty reward

Prove sustainability commitment

Information on animal testing

2D barcodes: how?



2D barcodes: how?



- Different types of 2D barcodes = **different ways of encoding the same data**
- Some contain a URL syntax (like the QR) and some contain Application Identifiers (like the GS1 DataMatrix)
- Camera apps on phones can only interpret URL syntax (for now)



2D barcodes: how?



GS1 DataMatrix	QR Code
GS1 barcode	Non-GS1 barcode
<u>(01)05412345000013</u> <u>(10)ABC123</u>	https://id.gs1.org/01/05412345000013/10/ABC123

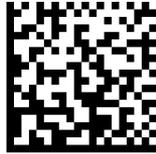


GTIN 05412345000013
Lot/batch ABC123

* = most cases

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2D barcodes: how?



GS1 DataMatrix	QR Code
GS1 barcode	Non-GS1 barcode
<u>(01)05412345000013(10)ABC123</u>	<u>https://id.gs1.org/01/05412345000013/10/ABC123</u>



This is a **GS1 Digital Link URL**

* = most cases

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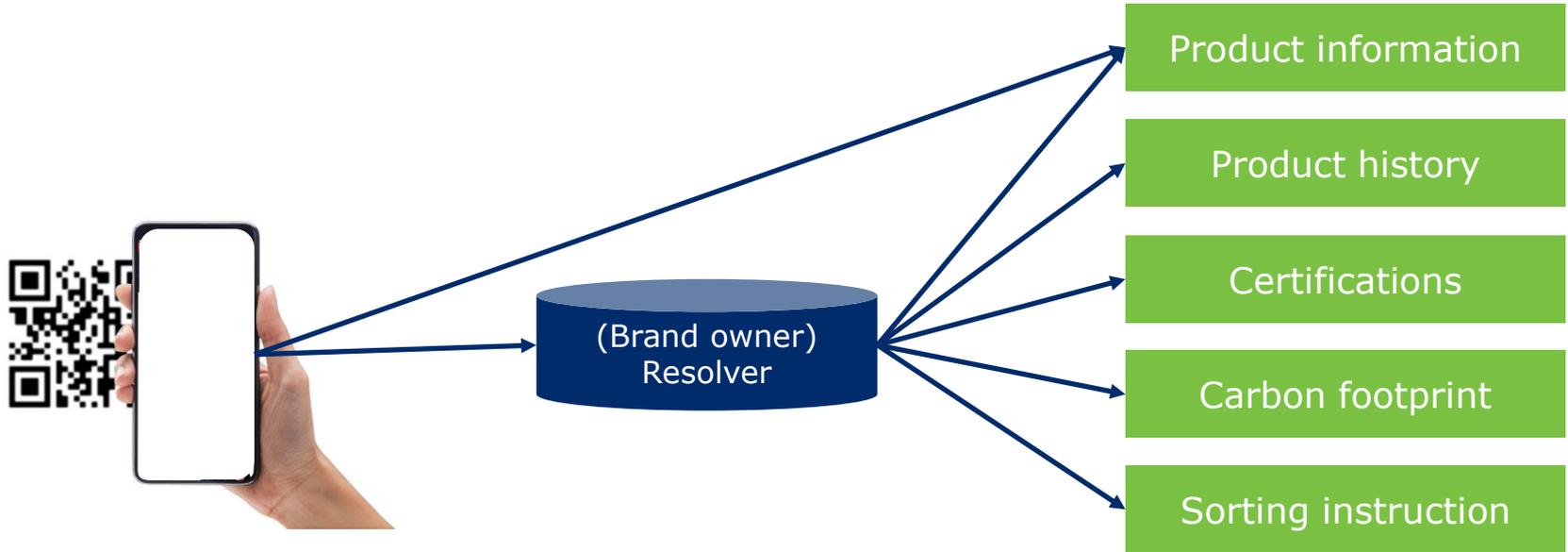
47

GS1 Digital Link: how?



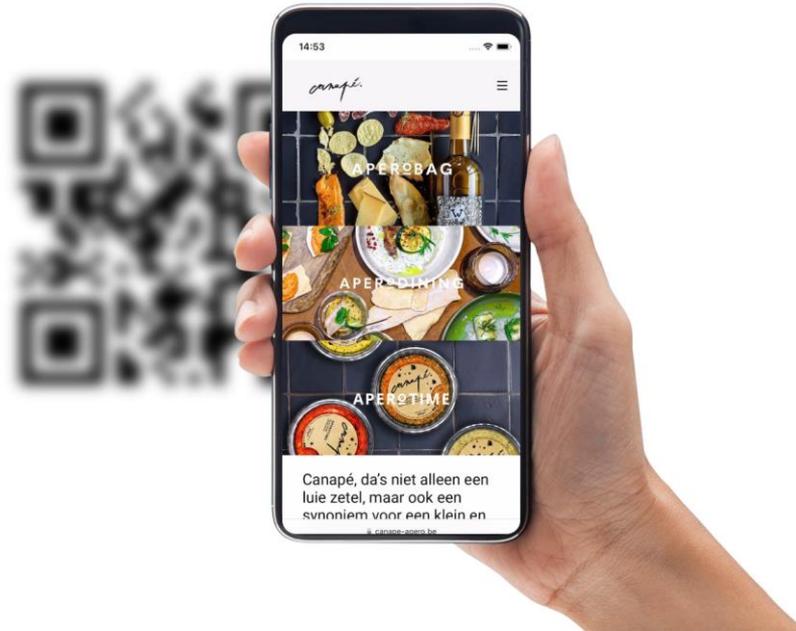
- Why is this different from regular URL?
 - URL has a globally standardized structure
 - URL contains GTIN + additional info
 - Goes beep at the POS because GTIN can be retrieved from structure
 - Can eventually replace the linear 1D barcode → 1 barcode for all user needs
 - URL links to digital world
 - Provides link to one or multiple webpages/URLs through a *resolver*
 - Webpages can be changed at any moment → no need to change URL in QR
 - Different webpages can be accessed through different scanning devices
→ fewer clicks

GS1 Digital Link: how?

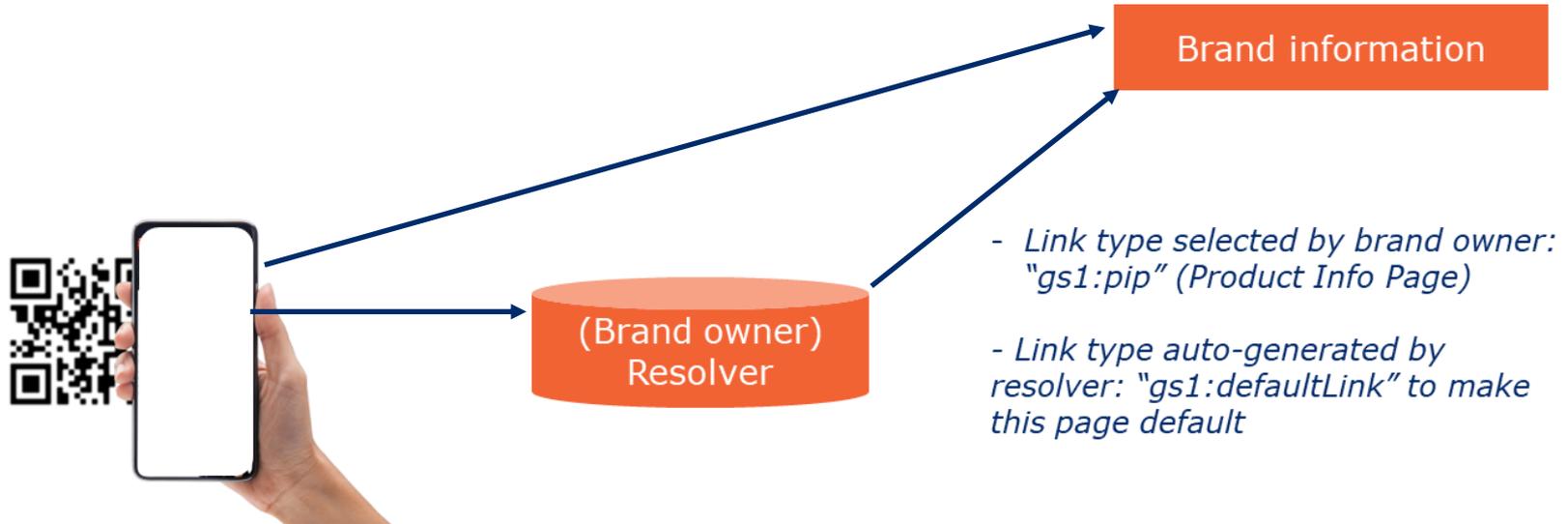


<https://id.gs1.org/01/05425020166423>

Some examples: you as consumer



Some examples: you as consumer



<https://id.gs1.org/01/05425020166423>

Some examples: authorities



Some examples: authorities



Percentage of rPET in Faerch Plast PET products

All Faerch Plast PET products (except CPET) contain recycled PET (rPET), all behind a functional barrier in compliance with Directive 2021/245, Chapter 4, Article 3.2 and Chapter 6, Article 3.2. The rPET originates from post industrial PET and recycled post consumer PET.

The content of rPET in Faerch Plast products are as listed below:

Percentage of rPET in APET, MAPP* and MAPP**
Between 90% to 100% rPET in an A-B-A structure, depending of application

Percentage of rPET in CPET (standard) (SL, CPET High Impact (H))
80% rPET in an A-B structure

Milouda ED-02-2819



Hervé B. Andreas
Director Group Technology Development

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Belgium

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Fax: +32 (0) 28 19 20 00
info@faerchplast.com
www.faerchplast.com
Company No. 28 19 20 000



Percentage of rPET in Faerch Plast PET products

We zijn trots dat DELDICHE voor het 4de jaar op een rij het certificaat van CO2 neutraal bedrijf heeft gehaald!

De laatste jaren is het o.a. door de Covid-19 pandemie en de wereldwijde gevolgen van de Oekraïne crisis niet altijd gemakkelijk geweest om het klimaat de nodige aandacht te geven, maar ook in deze tijden is het milieu voor DELDICHE een belangrijke stakeholder. Reeds meerdere jaren is het respect voor mens en milieu één van onze strategische doelstellingen.

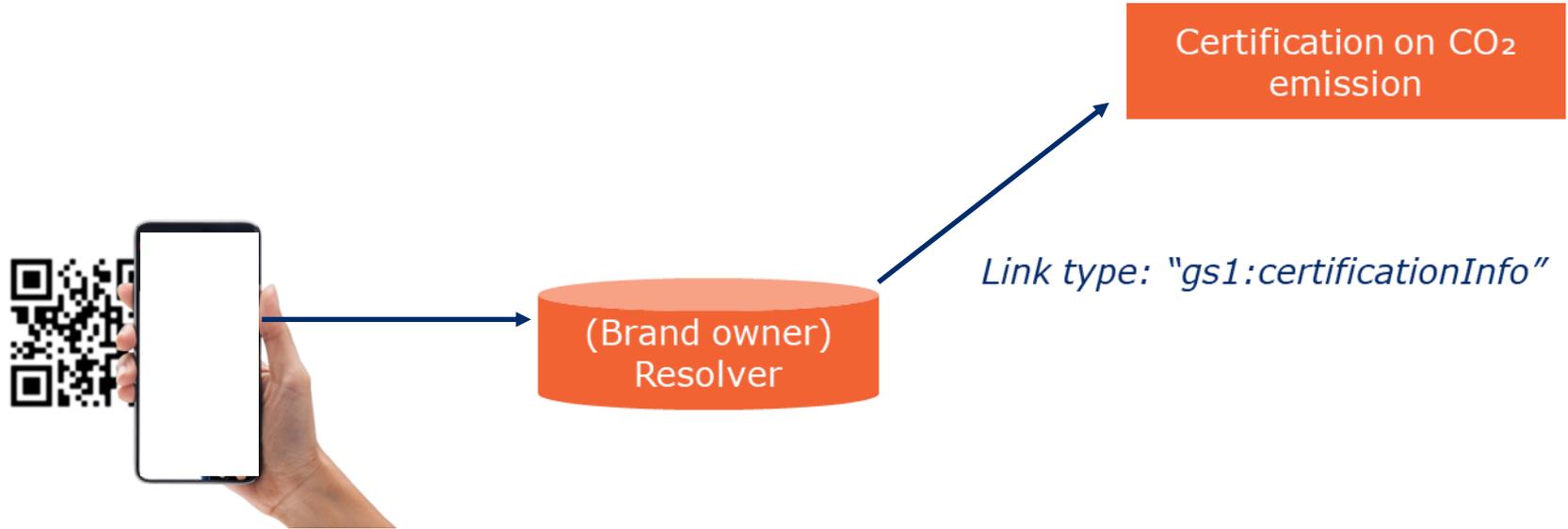
DELDICHE gaat voluit voor voedselveiligheid en duurzaamheid. Dit kunnen we enkel op de lange termijn blijven doen indien we aandacht hebben voor het milieu en klimaat. Zo bestaat het grootste gedeelte van onze verpakkingen uit minstens 90% gerecycleerd plastic (rPET) en hebben we sinds 2018 onze CO2 uitstoot in absolute cijfers met meer dan 10% kunnen reduceren. Indien we onze uitstoot vergelijken ten opzichte van onze productie is er zelfs een daling van de CO2 uitstoot met bijna 52%.

Daarenboven ondersteunen we een duurzaam ontwikkelings- en ontbossingsproject in Kenya.

Het CO2 Neutral® label (gevalideerd door Vinçotte) garandeert dat bedrijven die dit label ontvangen actief hun lokale en wereldwijde klimaatimpact berekenen, verlagen en compenseren. In tegenstelling tot "greenwashing" kan dit label alleen verkregen worden dankzij serieuze klimaatinspanningen.

Ook in de volgende jaren zullen we verdere stappen ondernemen in het verlagen van onze CO2-uitstoot. Zo blijft DELDICHE ook in de toekomst jullie duurzame partner voor Mediterrane delicatessen.

Some examples: Some examples: authorities



<https://id.gs1.org/01/05425020166423>

Some examples: lactose intolerant consumer



Some examples: lactose intolerant consumer



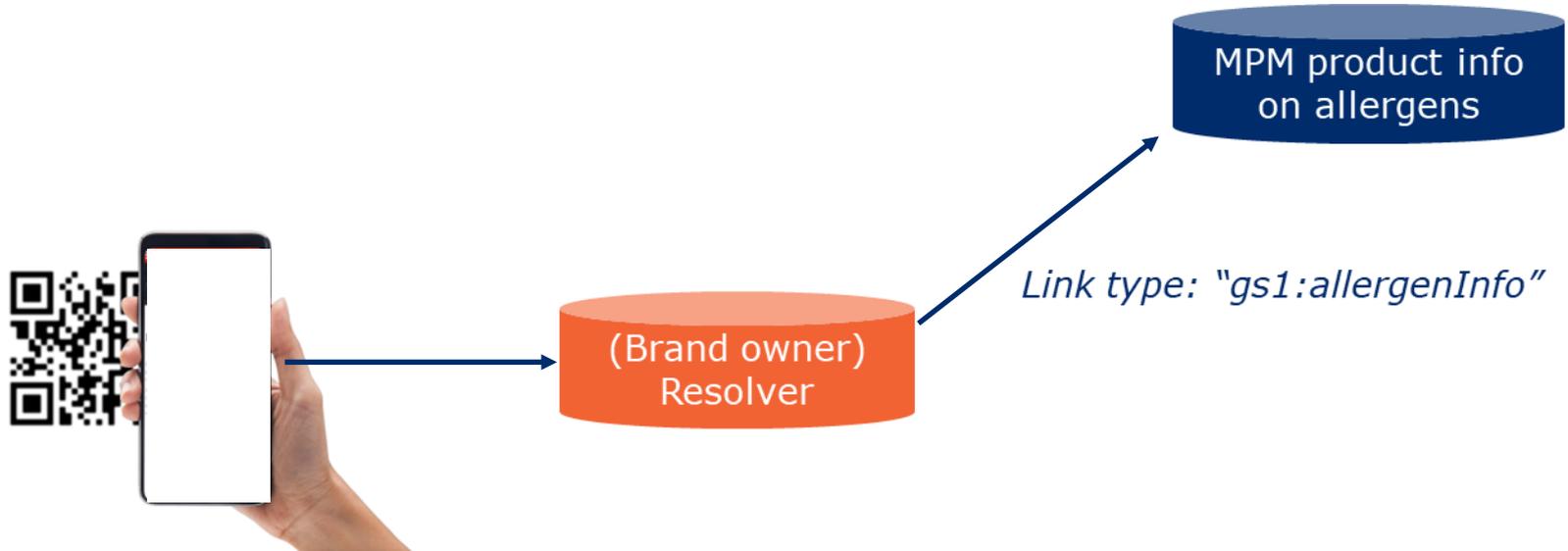
Product Details



GTIN	05425020166423
Status	Valid
Brandname	Canapé
Product description	Canapé Sweet Potato Tahini Dip 200g
Product image url	https://dam-uat.gs1belu.org/originals/5425020169998/94af0...
Global product category	Prepared/Preserved Foods Variety Packs (10000613)
Packaging type	Base unit
Net content	200 Gram
Country of sale	BELGIUM
Consumer unit	Product is a consumer unit
Last modified	15/09/2022 12:01

[Go to product overview](#)[Duplicate product](#)[Edit data](#)[Download the barcode](#)

Some examples: lactose intolerant consumer



<https://id.gs1.org/01/05425020166423>

Some examples: retail POS



<https://id.gs1.org/01/05425020166423/10/04392211?15=221027>

Internet domain name

GTIN

Batch number

Best before date

2D barcodes: how? summary



GS1 DataMatrix	QR Code
GS1 barcode	Non-GS1 barcode
<u>(01)05412345000013(10)ABC123</u>	<u>https://id.gs1.org/01/05412345000013/10/ABC123</u>
Application Identifiers – GS1 Element String syntax	URI Digital Link syntax
Mostly supply chain oriented	Mostly consumer oriented
Needs app to interpret AIs	Can be scanned by native camera app on phone
2D enabled POS ready for this syntax*	2D enabled POS not ready yet for this syntax*

* = most cases

Ambition 2027



- It is not just happening here!
- Worldwide migration, pilots and implementations are booming
- GS1 responded to the rise of 2D barcodes with "**Ambition 2027**"

*"The global ambition is to get **all retail POS worldwide ready to scan 2D barcodes on consumer units by end 2027**. This implies retailers will need to enable scanning 2D at POS, whilst suppliers will still have the option to apply 1D or 2D barcodes after 2027."*

Ambition 2027



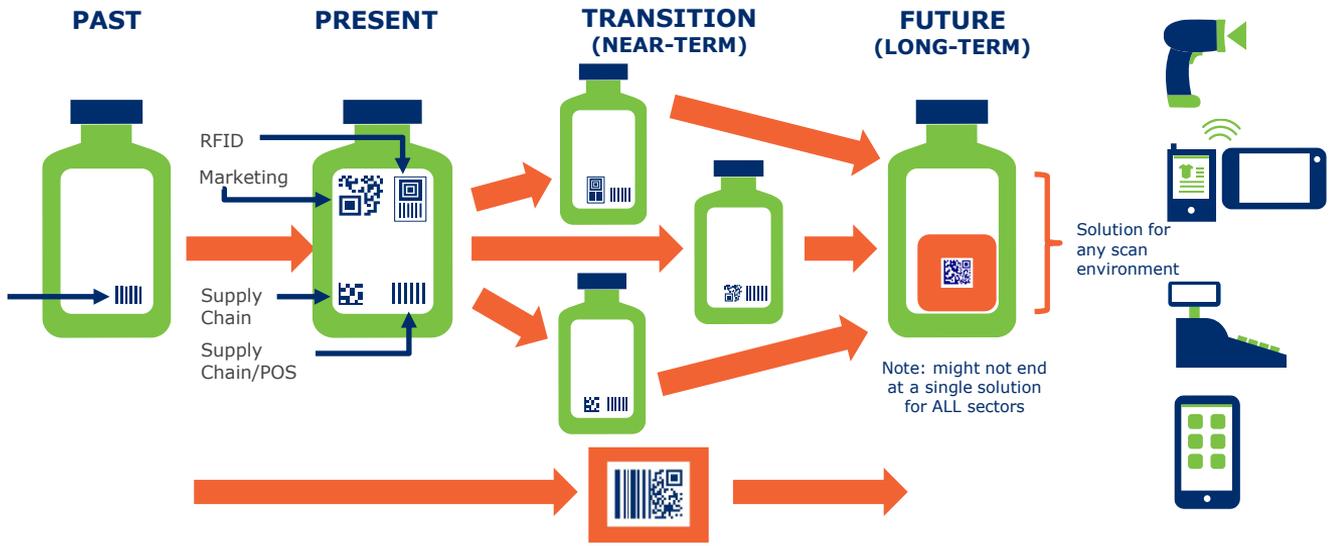
We need barcode (r)Evolution

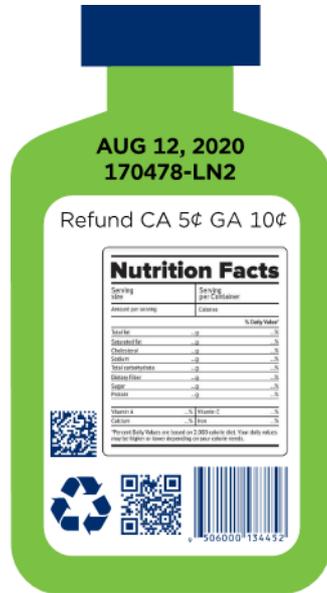
Legal
Sustainability
Sales



Consumer Engagement
Production
Marketing

Ambition 2027





NOW

Data carriers that are currently approved for use within GS1 standards.



TRANSITION

A dual-marking transition phase that embraces current and future data carriers is required



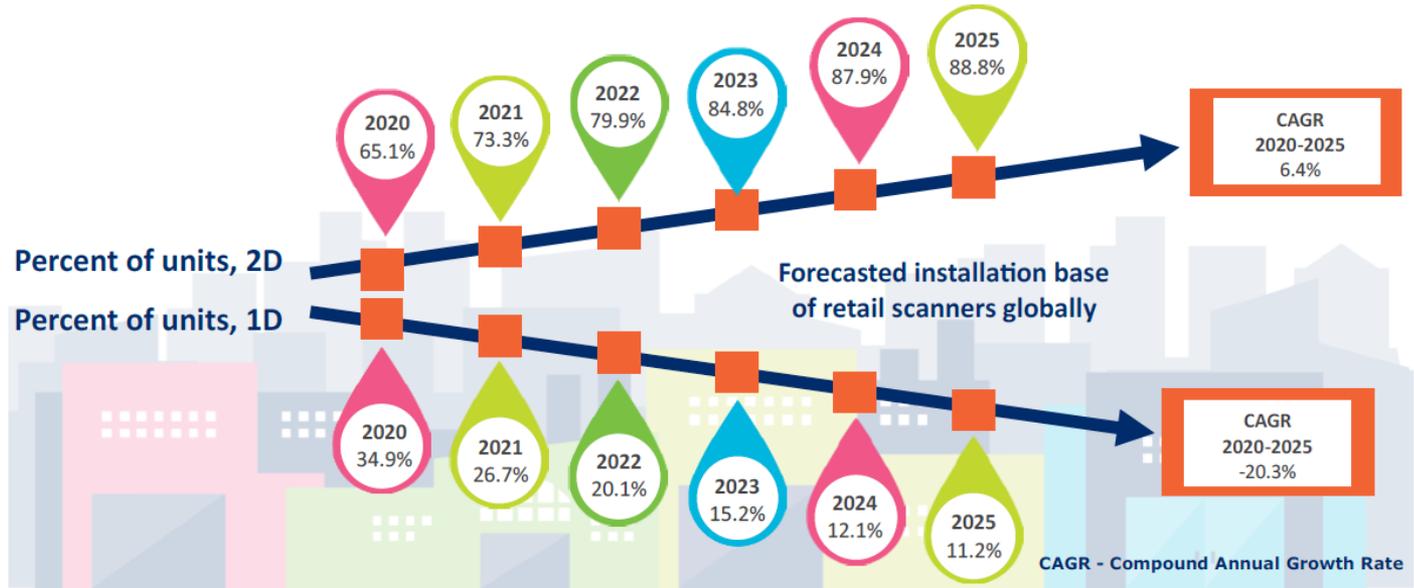
FUTURE

In the future, **GTIN-only 2D barcodes** and high-capacity data carriers will free up space on packages and simplify processes

Ambition 2027



- Prediction 2D scanning equipment worldwide



Source: 2021 VDC research for GS1 on Global image-based scanner adoption

Ambition 2027



- Possible accelerators:
 - Legislation on Digital Product Passport
 - Implementation of a Belgian Digital Deposit Return Scheme with activation at POS
 - ...
- GS1 Belgilux actions
 - Future of barcodes Work Group to share learnings and status updates
 - **Benelux testing programme at retailer POS**
 - Similar scenarios as Memphis lab testing
 - But with human interventions and real-life products
 - But with currently used POS software, not the newest POS software

Getting ready for 2D in Retail printing and scanning

Discover how solution providers are preparing to meet the 2D in retail migration challenge of inline printing and point of sale (POS) scanning.

See live demos and meet some of the global solution providers that are contributing to GS1's solution provider 2D focus group.

On stage demos will include:

- worlds faster laser printer
- inline high speed digital printing
- unveiling of a new high speed continuous ink jet printer
- inline thermal ink jet printing
- POS scanning solution for multiple barcodes on-pack

Where: Silver Hall, Level 0 106

When: Monday 14:30 CET

How can we help each other?

My Product Manager update

Robin Goossens



**My Product
Manager**

MPM - What?

My Product Manager, the central platform for:

- Creating and/or managing worldwide unique identification numbers for products (using **the Global Trade Item Numbers (GTIN)**)
- **Product ID**
- Downloading correct **barcodes**
- **Exchanging master product data.** The data that is exchanged differs per sector:
 - FMCG & Foodservice
 - Do-It-Yourself, Garden & Pet
 - Healthcare



MPM – How?

DATA IN



**My Product
Manager**



DATA OUT



Verified by GS1?

Verified by GS1

Verify a product's identity based on trusted information from brand owners.



Enter a barcode number



Example search: 5410000123459

[Verify multiple barcodes at once](#)

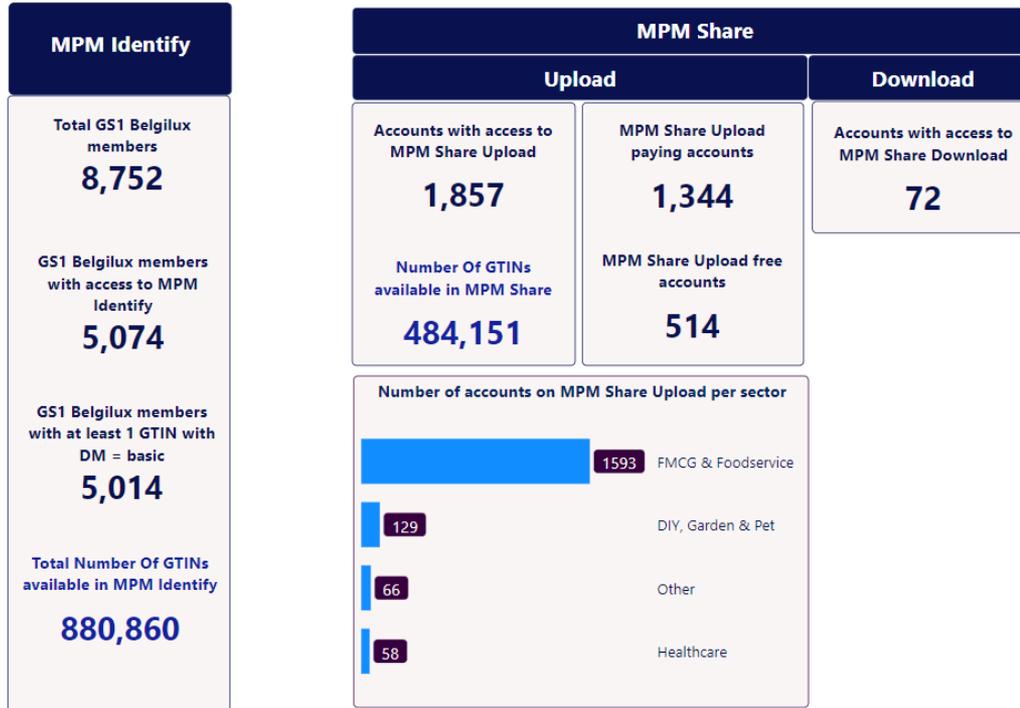
- ✓ Does the number comply with the GS1 Standards?
- ✓ Who owns the number?
- ✓ To which product is this number assigned?

Verified by GS1



- As of 2024 GEPIR will be phased out and completely replaced by Verified by GS1

MPM – Facts



MPM next steps

- Continuous improvement (UX, improvements, small features, etc.)
- Introduction of new DAM behind the scenes (basis for new features).
- Integration of E-label/digital link into MPM customer journey
- Data aggregation from other sources

MPM – Opportunities for/with partners

- Help with integration/mapping services for Data In/out (e.g. using the API)
- Use cases around data aggregation services
- Exchange of digital assets remains a weak spot – DAM services
- Promotion/use of Verified by GS1
- Use cases around digital link

My Location Manager – What?

- Similar to MPM for GTINs, My Location Manager is the local tool of GS1 Belgilux that allows companies to create and manage and share their GLN information.
- Currently the tool is limited to local Belgilux GLNs.
- In 2022 we created an API to upload and download GLN data.
- In 2024 we will connect our local tool to the Global GLN registry:
 - To exchange our Belgilux GLNs worldwide
 - To also offer a search option for foreign GLNs.

→ **Question for Partners:** We are looking for use cases where the exchange of GLN data is relevant in order to promote the use of the tool + to define what changes we need to make to our local tool.

Any other ideas how can we help each other?

Update FMCG/FS sector

Raphaël Ghaye



DATA QUALITY

One Data Quality Framework

Data Quality Framework

The 3 supporting principles to the framework

- 1. My Product Manager receives all data for the Belgilux market (all sectors)**
 - Embedded reports to view data quality and ways to improve it
- 2. KPI & target for the improvement of data quality**
 - Increased completion of data in all sector
 - Increased overall quality score for all logical checks in all sectors
- 3. Transparent reporting in My Product Manager**
 - A flag on GTIN level to make transparent if a GTIN is trustworthy or not
 - Flag the commitment to each of the 3 scenarios (or non-participation)

Ambition & link with strategy

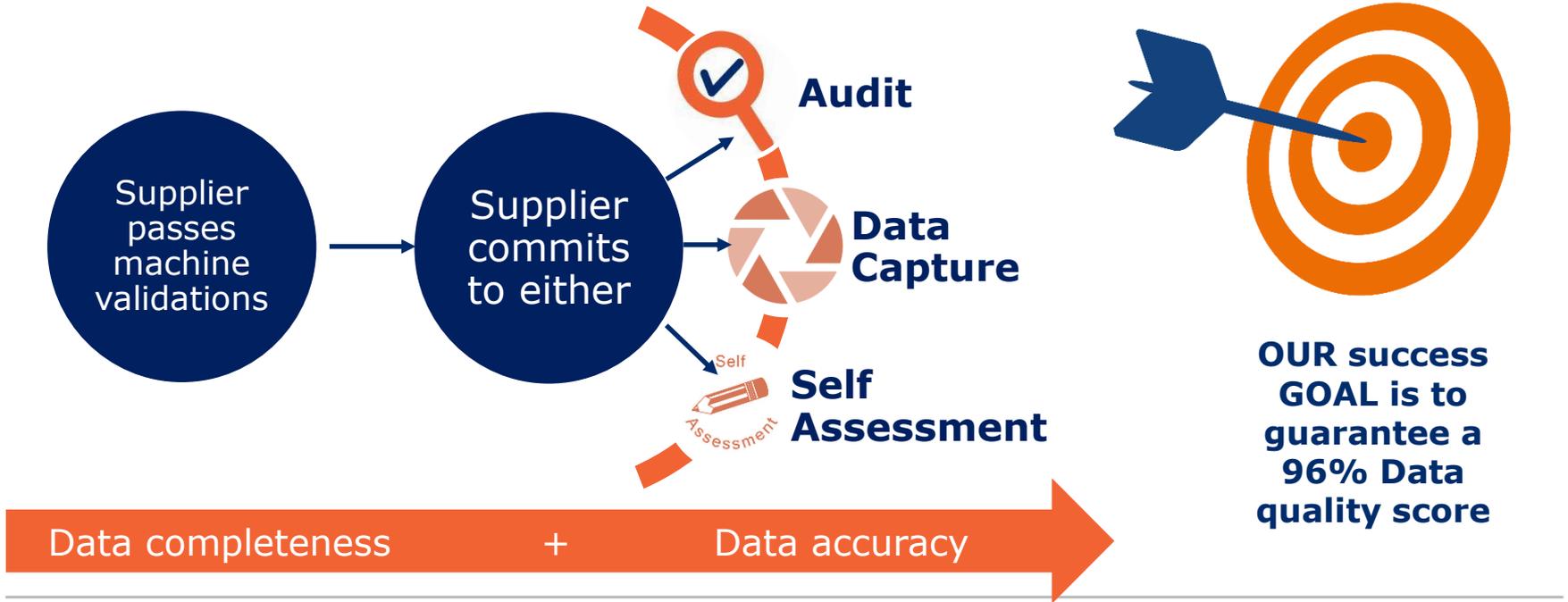
Data is trusted by all data recipients and is exchanged efficiently, safely and user-friendly

How?

1 DQ framework, where suppliers & retailers take on the challenge of **complete** & **qualitative** data **together** and on a **harmonised Benelux** level for all sectors

- 1 platform + transparent & integrated reporting
- Commitment to one of 3 Data Quality scenarios on Benelux level
- 3 supporting principles to the framework

Data Quality Framework



Sector updates: FMCG/FS

PROJECT	PROGRESS
HARMONISATION DATA QUALITY BENELUX	<ul style="list-style-type: none">• Working group finalized recommendation on mutual recognized and harmonized, Benelux data quality program
MY COUPON MANAGER	<ul style="list-style-type: none">• One Single Source of Trust• Mobile Couponing
FOODSERVICE	<ul style="list-style-type: none">• New Data Model for the Foodservice sector

What's In It For You?

- Collaboration on Product Information exchange
- Data Capture
- Additional services for your clients to improve the data completeness & quality
- ...

How can we help each other?

Update DIY, garden & pet sector

Sarah Lard



Sector updates: DIY, Garden & Pet

Some figures...

...308 suppliers connected to the GS1 datapool (Benelux)

...Expansion of Garden/Pet segment

LIVE

- Bouwmaat (NL)
- De voordeelmarkt (NL)
- GRS (NL)
- Intergamma (NL)
- **Hubo (BE)**
- **Maxeda (BE)**
- **Menouquin (BE)**
- **Pelckmans (BE)**
- **ProCoop (BE)**
- Tuincentrum Osdorp (NL)

TESTING/PREPARATION

- DIY
 - **Mr. Bricolage (BE)**
 - **Lambert Group (BE)**
- Garden&Pet
 - **Famiflora (BE)**
 - **Floralux (BE)**
 - Intratuin (NL)
 - Malanico (NL)
 - Prickels (NL)
 - Ijsvogel Retail (NL)
 - BTC retail (NL)
 - Ranzijn (NL)
 - Warentuin (NL)
 - Welkoop (NL)
 - BijSTOX (NL)

LEADS (BE)

- **OhGreen!**
- **Tom&Co**
- **Arvesta**
- **Horta**

Sector updates: DIY, Garden & Pet

2021-06	2022-06	NOW
45.872 GTINs	116.882 GTINs	143.788 GTINs
40%	65 %	73%

Some focus points for this year:

- Garden/Pet retailers expect their suppliers to be ready to send out product master data via GS1 datapool by the end of 2023
- Product hierarchies might become mandatory for Garden/Pet retailers
 - Impact on the number of articles to be created
 - Impact on GTIN allocation within the sector

Sector updates: DIY, Garden & Pet

PROJECT	PROGRESS
Datamodel updates	<ul style="list-style-type: none">• Environmental taxes: BEBAT/STIBAT – RECUPEL/WECYCLE• Packaging information• Dangerous Goods
Product pictures	<ul style="list-style-type: none">• Re-evaluate Benelux guideline with update to come (international alignment)
Global Data Model	<ul style="list-style-type: none">• B2B attributes finalised. Approval by March '23• Need to work on maintenance proces + B2C layer
Validation rules	<ul style="list-style-type: none">• New template, aligned with FMCG/FS to improve integration of validation rules in the sector

How can we help each other?

Update Healthcare sector

Sarah Cumps



The healthcare sector in few numbers



536 members in 2022
vs
467 members in 2021



56.000 products sheet
download for
medical devices



58 members
who upload data

My **Product**
Manager



The stakeholders in the healthcare supply chain



The regulators or governments need all actors to comply with regulations



Public health authorities see the benefits of global harmonisation and interoperability in the global supply chain



The manufacturers want to comply with regulations, improve production, packaging and supply processes and ultimately, patient safety



The distributors, wholesalers, Group purchasing organisation can achieve simplification and accuracy improvement in warehousing



Healthcare providers can achieve automation in dispensing & administration processes resulting in the reduction of dispensing errors



More time for the patients and better care outcomes



Standards for the identification of investigational products and locations



Solution providers serve the entire supply chain

The challenge



The use of GS1 standards enables:

Traceability and product authentication which prevents falsified and substandard products entering the supply chain and reaching the patient.

Project 2023



- Exchange data with hospitals (ECHO)
- Implementing GS1 standards => **UDI-DI & Basic-UDI for Europe**
- Focus on medical devices (MDR regulations) => **The healthcare sector is highly regulated**



HOSPITAL

European Collaboration of Healthcare Organisations (ECHO)



What ?

The ECHO initiative focuses on harmonising market strategies and data requirements across borders, and translates this into a common used datamodel.
=>The ECHO helps countries to simplify starting and using Global Data Synchronisation Network (GDSN)

For who ?

GS1 MOs, Manufacturers, Hospitals, Healthcare providers

29/04/2016: *When everything started*

ECHO mandatory data-attributes for medical devices, based on the US FDA legal requirements and the UK NHS requirements

Goals:

- ❑ Facilitate the use of the GDSN standard and efficiency in healthcare
- ❑ Meet everyone's needs to optimize and simplify processes
- ❑ Determination business needs: alignment between the stakeholders
- ❑ Pharmaceutical products
- ❑ Medical devices



The heart of ECHO: Why is it important?



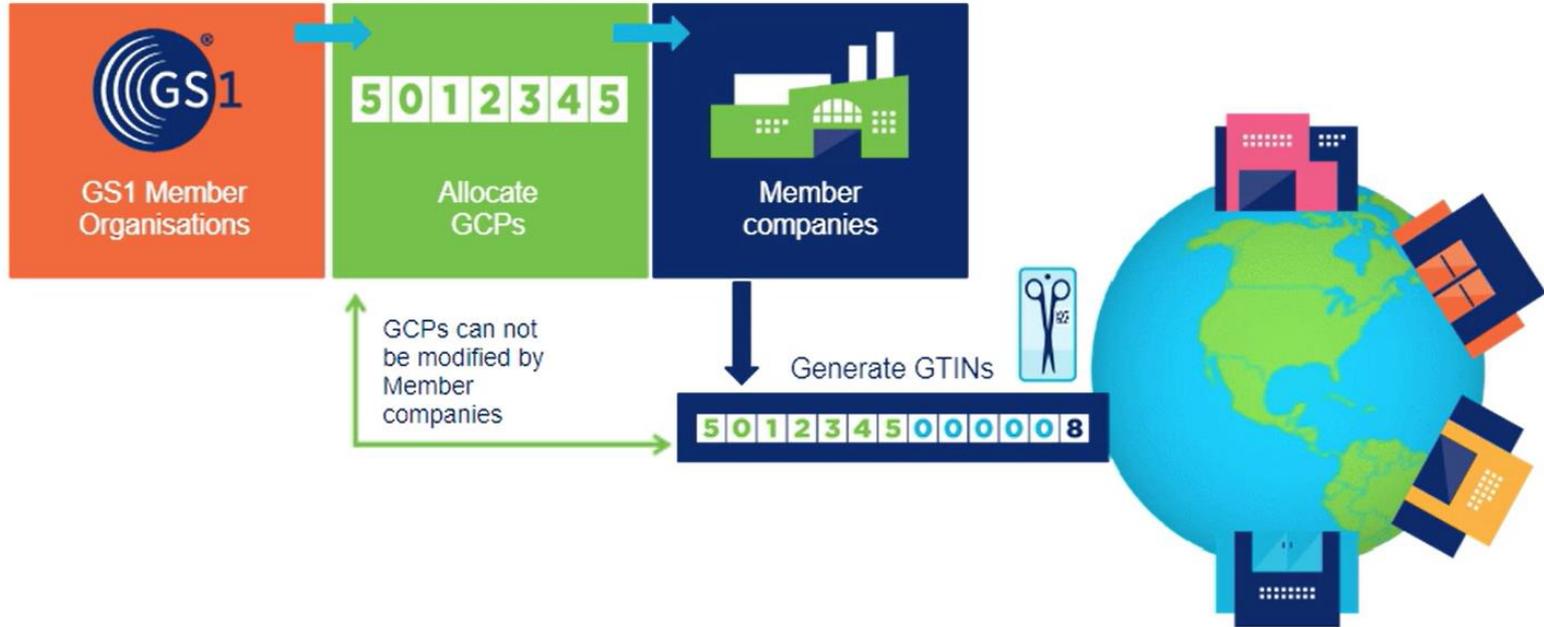
The **international healthcare sector** is embracing **many regulations and developments at the moment**, and the challenge of complying with these various requirements has become evident.

Healthcare providers are under constant pressure **to provide good quality care with less costs**, and it is important to **reduce errors** and **optimize processes**.

Manufacturers on the other hand are faced with an avalanche **of requirements from various countries** with **different regulations, languages** and **business needs**. This **increase of demand for data** is even more complicated in the European region due to the many countries.

With help of ECHO we bring these requirements together, in order to maximise the benefits of using GDSN, the global standard for data exchange. One place from which data requirements can be communicated.

How we implement the UDI-DI?



Benefits of the UDI



INCREASED PATIENT SAFETY

- Enhance effective product recalls
- Reduce medical errors
- Tool for anti-counterfeiting strategies



IMPROVED POST-MARKET SURVEILLANCE

- Enhance effective adverse event reporting



ENHANCED CAPTURE OF CORRECT INFORMATION

- Effectively capture product data to populate electronic health records



ENHANCED BUSINESS PROCESSES

- Improve supply chain processes, inventory management
- Enhance eProcurement

UDI and GS1



Medical devices manufacturers or authorised representatives use the UDI-DI or GTIN to identify their devices in the UDI regulatory database.



My UDI Manager - EUDAMED



**My Product
Manager**

Maintain UDI-DI
GTIN13 & GTIN14



**My UDI
Manager**

Maintain & Publish
BASIC-UDI
Link UDI-DI



EU EUDAMED



Sharing data





Are you ready
to join us
and be part
of this project?



How can we help each other?

Update transactional data

Dennis De Cat

Sector – Harmonized order to cash

- Continuing support
- New validation tool – My HO2C validator
- HO2C V4.0
- Mapping tool – HO2C to Peppol Bis V3



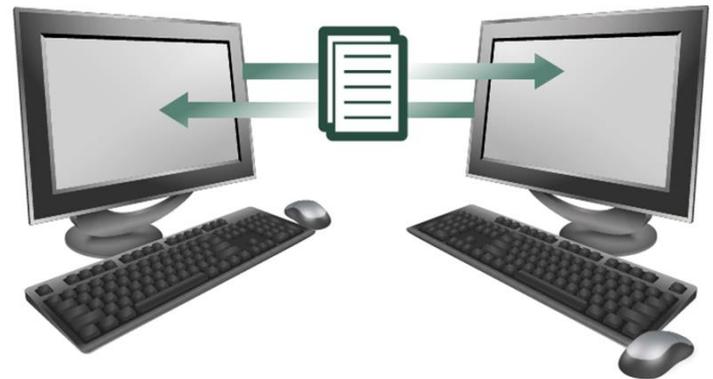
Cross-sector – Peppol

- Peppol as cross-sector & cross-border solution
- Future mandatory B2B
- Peppol international invoice



Transactional Data

- EDI-world in motion
- 2-way strategy: Sector & cross-sector
- Informing partners: cross-sector newsletter
- Knowledge centre
- editechnical@gs1belu.org



How can we help each other?

Wrap up

THANK YOU