



National GS1
Traceability
Advisory Group

2 0 2 4 SUSTAINABILITY FORUM

Wednesday | 17 April 2024

#ngtag4purpose



What is NGTAG?



National GS1
Traceability
Advisory Group



Ram Akella

Head of Business
Solutions - Own Brand,
Convenience and Product
Traceability

**Woolworths Food
Group**



David McNeil

Manager -
Customer
Experience

InfraBuild Steel



More than 300 members supporting Australian
industry and government to enhance supply chain
traceability and trade



JOIN NGTAG

Agenda



National GS1
Traceability
Advisory Group

- Traceability for Recycled Content
- Expert Panel Session

Morning Tea (11:05, 20 mins)

- Industry Roundtables
- Case Study

Lunch Break (12:55, 40 mins)

- Sustainability Reporting
- Transparency at scale

Networking (3:00 onwards)

A promotional poster for the 2024 Sustainability Forum. The background is a light green gradient with a subtle floral pattern. The text is centered and reads: '2024 SUSTAINABILITY FORUM' in large, dark blue letters. Below this, in smaller red text, is 'Materials Recovery, Circularity and ESG Reporting'. Underneath that, in dark blue text, is 'Navigating the new National Framework for Recycled Content Traceability and the importance of Transparency in Sustainability Reporting'. At the bottom, in red text, is 'Wednesday | 17 April 2024 | 9.00am', and in dark blue text, is 'GS1 Australia | 8 Nexus Court | Mulgrave, Victoria'.

2024
SUSTAINABILITY
FORUM

Materials Recovery, Circularity and ESG Reporting

Navigating the new National Framework for Recycled Content Traceability and the importance of Transparency in Sustainability Reporting

Wednesday | 17 April 2024 | 9.00am

GS1 Australia | 8 Nexus Court | Mulgrave, Victoria

Our Session Today



National GS1
Traceability
Advisory Group



Understanding

- To bring industry and government together and discuss the **National Framework for Recycled Content Traceability** and sustainability reporting



Insights

- **Keynote addresses** from renowned **sustainability leaders**
- **Panel discussion** on the role of **traceability for packaging** with a range perspectives from of **leading experts**
- **Interactive** activities designed to foster **collaboration** and **exchange of ideas**

The National Framework for Recycled Content Traceability

David Evans

Acting Assistant Director

Department of Climate Change, Energy, the
Environment and Water

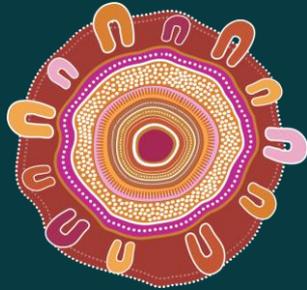


Australian Government

Department of Climate Change, Energy,
the Environment and Water

A national framework for recycled content traceability



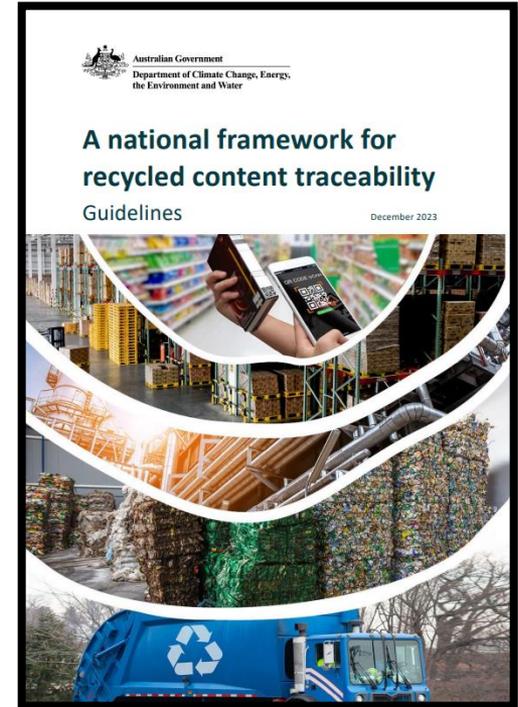


We acknowledge the Traditional Owners of Country throughout Australia and recognise their continuing connection to land, waters and culture. We pay our respects to their Elders past and present.

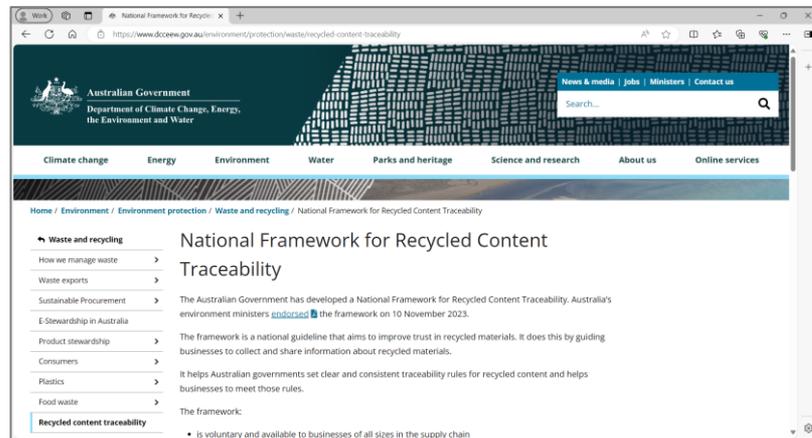


About the framework

- Endorsed by Environment Ministers in Nov 2023
- Published by DCCEEW in Dec 2023
- Guides collection and sharing of information on recycled materials to boost confidence and demand
- Lays a foundation of principles and guidance for:
 - industry to implement consistent & interoperable traceability
 - governments to set consistent expectations

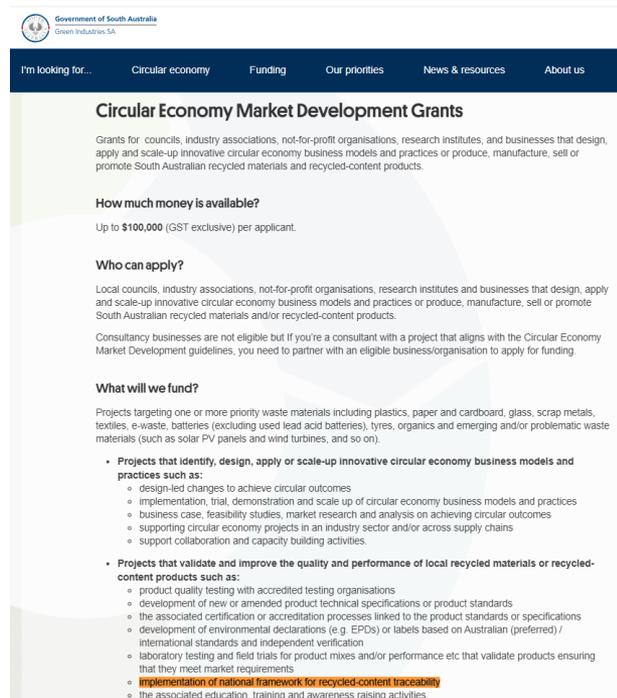


How it was developed



What we've been hearing

- Early use of the guideline – e.g. SA's Circular Economy Market Development Grants
- Interest in trials and pilots
- Interest in using the guidelines, e.g. in procurement
- Requests for implementation guidance and case studies



The screenshot shows the website for the Government of South Australia, Green Industries SA. The page is titled "Circular Economy Market Development Grants". It provides information about grants for councils, industry associations, not-for-profit organisations, research institutes, and businesses that design, apply and scale-up innovative circular economy business models and practices or produce, manufacture, sell or promote South Australian recycled materials and/or recycled-content products.

How much money is available?
Up to \$100,000 (GST exclusive) per applicant.

Who can apply?
Local councils, industry associations, not-for-profit organisations, research institutes and businesses that design, apply and scale-up innovative circular economy business models and practices or produce, manufacture, sell or promote South Australian recycled materials and/or recycled-content products.
Consultancy businesses are not eligible but if you're a consultant with a project that aligns with the Circular Economy Market Development guidelines, you need to partner with an eligible business/organisation to apply for funding.

What will we fund?
Projects targeting one or more priority waste materials including plastics, paper and cardboard, glass, scrap metals, textiles, e-waste, batteries (excluding used lead acid batteries), tyres, organics and emerging and/or problematic waste materials (such as solar PV panels and wind turbines, and so on).

- **Projects that identify, design, apply or scale-up innovative circular economy business models and practices such as:**
 - designed changes to achieve circular outcomes
 - implementation, trial, demonstration and scale up of circular economy business models and practices
 - business case, feasibility studies, market research and analysis on achieving circular outcomes
 - supporting circular economy projects in an industry sector and/or across supply chains
 - support collaboration and capacity building activities.
- **Projects that validate and improve the quality and performance of local recycled materials or recycled-content products such as:**
 - product quality testing with accredited testing organisations
 - development of new or amended product technical specifications or product standards
 - the associated certification or accreditation processes linked to the product standards or specifications
 - development of environmental declarations (e.g. EPDs) or labels based on Australian (preferred) / international standards and independent verification
 - laboratory testing and field trials for product mixes and/or performance etc that validate products ensuring that they meet market requirements
 - **implementation of national framework for recycled-content traceability**
 - the associated education, training and awareness raising activities.

National framework overview

Voluntary

Technology agnostic

Outcomes oriented

Internationally aligned

Objective: To boost confidence in, and demand for, recycled content, by increasing the amount of information that is available about them

Scope

- All recovered & recycled materials and recycled content products produced or used in Australia
- Pre-consumer, post-consumer, and advanced recycled materials



Guiding principles

1. Governments set harmonised expectations
2. Industry ownership
3. Transparency & visibility
4. Data integrity, security & privacy
5. Interoperability
6. Harmonisation
7. Precautionary principle
8. Adaptability
9. Collaboration & cooperation

Guidelines

1. Interoperability based on GS1
2. One-up-one-down traceability
3. Traceability across the supply chain in 4 years
4. Trace provenance
5. Determine composition via chain of custody
6. Trace quality
7. Collect & share minimum info
8. Independent verification
9. Chain of custody schemes
10. Maintain traceability records

Guiding principles

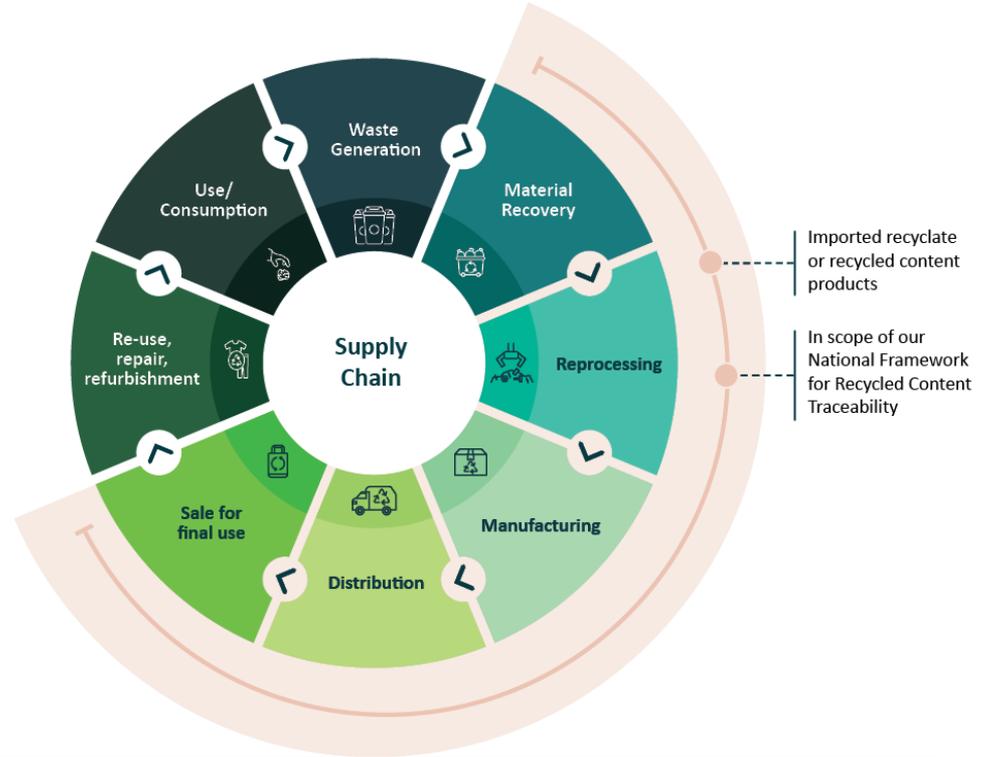
Guiding principles are intended to promote and shape a consistent approach to implementing traceability activities

1. Governments set harmonised expectations
 2. Industry ownership
 3. Transparency and visibility
 4. Data integrity, security and privacy
 5. Interoperability
 6. Harmonisation
 7. Precautionary principle
 8. Adaptability
 9. Collaboration and cooperation
-

Scope

Recovered materials, recycled materials, and recycled content products

- including pre- and post-consumer materials
- advanced recycled materials
- produced or used within Australia
- from the material recovery stage to the point of sale.



Guidelines

- Interoperability **1** **6** Quality
- One-step forward
one-step back **2** **7** Key data elements
- Full supply chain
in four years **3** **8** Independently verify
- Provenance **4** **9** Certification schemes
- Composition **5** **10** Recordkeeping



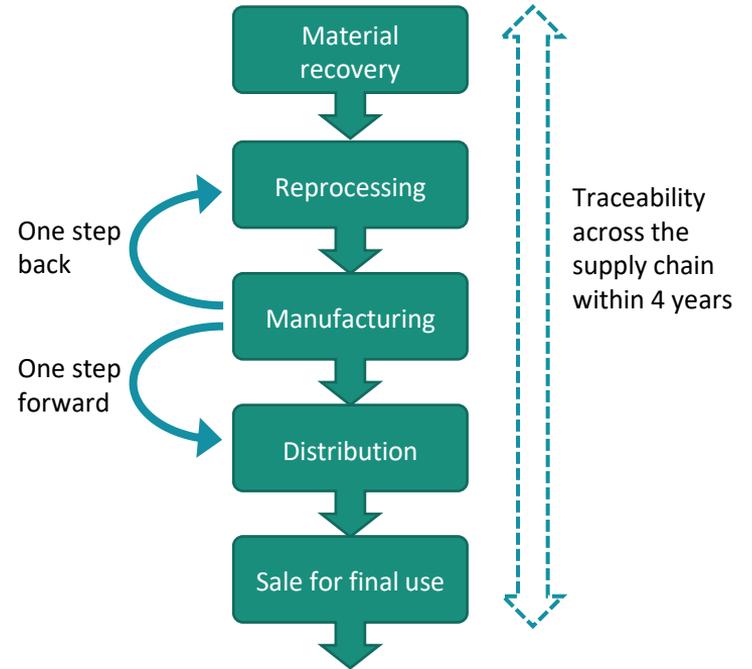
Traceability models

One-up one-down traceability

- Basic and easy to achieve
- Lacks visibility up and down the supply chain

Full supply chain traceability

- Transparent
- Most amount of data sharing
- May require preferencing partners with traceability capability



Certification schemes

- The framework accommodates use of supply chain certification schemes
- Certify a material is managed and controlled across its supply chain to required standards
- Collect and share information required by the framework, if it is not already collected for scheme certification



***These are examples of various certification schemes.
We maintain a neutral stance and do not endorse
any particular scheme.***

Key data elements



Basic	Provenance	Composition	Quality
Item identifier Item description Quantity Receipt/ship dates Sender/Receiver identifiers Ship from/to locations	Country & jurisdiction of origin *Feedstock source stream (e.g. MSW) *Feedstock type (e.g. metal) *Feedstock source type (e.g. pre- or post-consumer) *Remoteness of source	Recycled content claim Chain of custody approach *Mass balance period *Mass balance allocation method	Processing method(s) Chemical content declaration Results of analysis Certification details (number, start/end dates) Risk assessment

*Sharing is at owner's discretion

- Data is not reported to governments under the framework
- Information should be independently verified by certified verifiers

What's next?

- Develop implementation guidance and case studies
- Work within CwIth and with jurisdictions to embed traceability in line with the framework
- Self-assessment template for certification schemes
- Pursue trials
- Framework monitoring and 3-year review



Framework implementation

Tell us if you're using the framework to guide your traceability activities

- Complete the registration form on our website
- Email completed form to:
RecycledContentTraceability@dcceew.gov.au

We may ask you to share information to help us understand the use and impact of the framework



Contact us

RecycledContentTraceability@dcceew.gov.au

dcceew
gov.au

A national framework for recycled content traceability

Guidelines

December 2023



Panel Discussion

Facilitator: David McNeil

NGTAG Co-chair

Customer Experience Manager, Infrabuild

Discussion Panel



National GS1
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Advisory Group



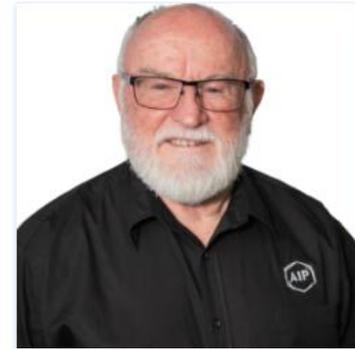
Barry Cosier



Suzanne Toubourou



Ana Garcia



Ralph Moyle



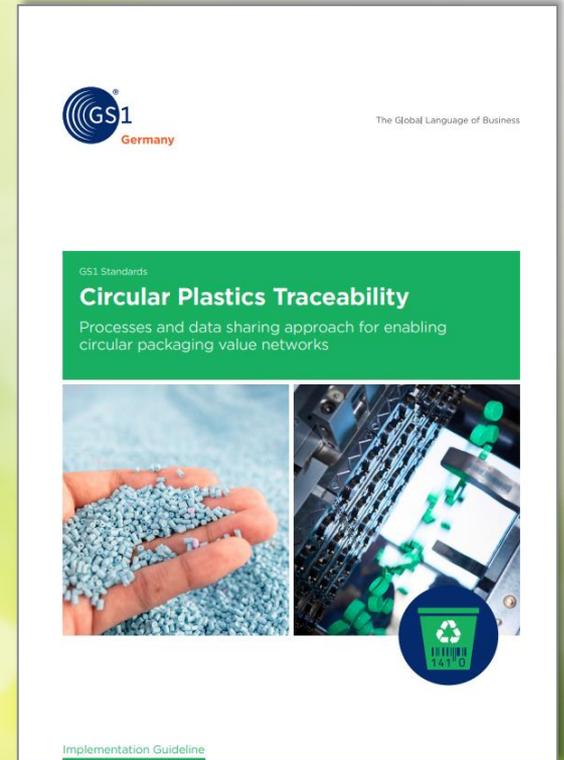
Case Study #1

Traceability in Plastics, Germany

Dharshi Hasthanayake

Manager, Sustainability and Circularity

GS1 Australia



[Circular Plastics Traceability Implementation Guideline](#)

Plastics Traceability Webinar



National GS1
Traceability
Advisory Group

Traceability of plastic packaging for provision of recyclate information

Aim for circular economy of packaging through traceability

The Circular Economy Action Plan and the requirements of the EU's Packaging and Packaging Waste Regulation (PPWR) set high requirements for traceability of packaging and materials in the value chain. This influences the packaging (data) management of all involved stakeholders in the packaging value chain, as structured data plays a key role here.

GS1 standards as the key to more transparency

With the help of GS1 standards, companies can create the transparency required by regulations regarding packaging and the usage of recyclates, while striving for packaging circular economy. Your processes become more efficient and a data-driven circular value network is created.

Circular Plastics Traceability Guideline provides information on implementation

The new publication GS1 Germany Circular Plastics Traceability shows you how you can enable traceability with structured data and GS1 standards and make your contribution to a future packaging circular economy. You will gain insights into the guideline and learn about the advantages of the approach recommended therein. Together we will discuss possible next steps and implementation options in everyday business.

Combining established standards and new requirements - driving forward the circular economy for plastic packaging

25.04.2024

Webinar

60 Min.

free of charge

Register now

Save the date

More event dates

▶ [29.04.2024](#)



Zlatka Kerezova

+49 221 94714-148

zlatka.kerezova@gs1.de

Contact

Thursday 25 April

60 minutes

5:00 to 6:00 pm

Free Registration

[Register: Traceability of plastic packaging | GS1 Germany \(gs1-germany.de\)](#)

Industry Roundtables

Host: Dharshi Hasthanayake

Manager, Sustainability and Circularity

GS1 Australia

Time for your contribution



National GS1
Traceability
Advisory Group

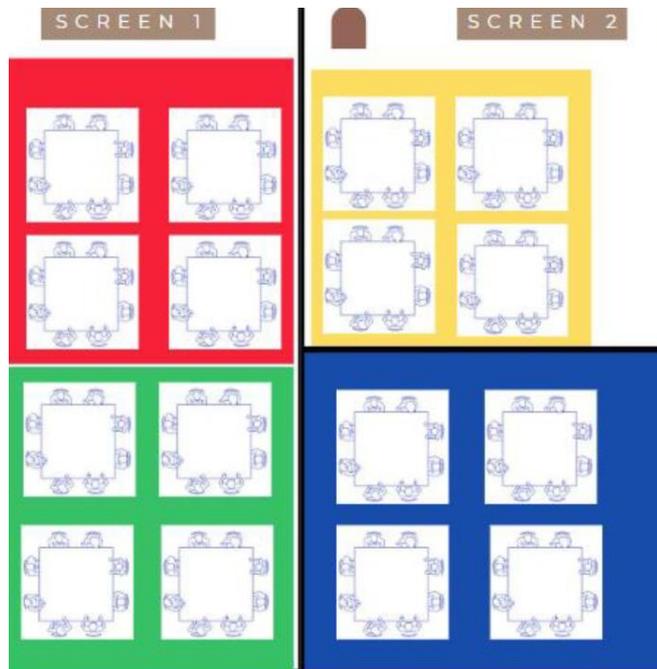
PURPOSE: Opportunity to deeper dive and better understand different organisations perspectives on the practical opportunities and challenges of implementing traceability.

OUTCOME: To provide feedback to DCCEEW and industry peak bodies about the practical issues and what industry is thinking about the most with respect to implementation of traceability.

Industry Roundtables



National GS1
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**Building &
Construction**

Katherine Featherstone

Green Building Council of Australia

**Packaged Food &
Manufacturing**

Michael Dossor

Result Group of Companies
Australian Institute of Packaging

**Product
Stewardship**

Libby Chaplain

Battery Stewardship Council

**General
Merchandise**

Terry Papadis

GS1 Australia

Questions for roundtables



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Opportunities

- What **opportunities** (present or in future) do you see for **adoption** of the recycled content traceability framework?
- If recycled content is not your focus, what opportunities do you see for the adoption of end-to-end traceability to meet other sustainability challenges?

Challenges

- What are the **main barriers or pain points** your organisation faces with **implementing traceability** for recycled content or to capture sustainability data?
- If you are in gov't or an industry association, what are your barriers or pain points with supporting driving implementation of traceability?

Solutions

- What **tools, solutions or strategies** would you like to see **developed** collaboratively, by government or industry to help you **overcome** these challenges?

Case Study #2

An Insight into an Aspiring Circular Business Model

Steven Morriss

Head of Circular Economy

Close the Loop



Close the Loop



Close the Loop GROUP

Create Recover - Reuse

An insight into an aspiring circular business model

APRIL 2024



TonerPlas®

Background – Close the Loop(CtL)

Close the Loop (CtL) started in Melbourne in early 2000 and has since expanded into the USA and Europe. We merged with OF Pack in 2021 to form the Close the Loop Group and listed on the ASX (CLG).

CtL is a product stewardship / resource recovery / recycling / circular economy and packaging company that partners major brands to manage the circularity of their materials and products

We also manufacture products from recycled feedstocks including TonerPlas[®], rFlex[™], and a wide range of packaging products.



About Close the Loop Group



Close the Loop GROUP
Create - Recover - Reuse

About ▾ Our Brands ▾ Circular Economy Solutions
Investors ▾ Media Centre ▾ Contact Us

CLG 0.390 AUD
CHANGE: **+0.015 +4.00%**
As at 24/04/2023 13:23 PM
Delayed by at least 20 minutes

REDcycle Update:
[Please read here](#)

Working Towards a Circular Economy



Close the Loop Overview

- Core business of CtL Ops :
 - **Printer cartridge recycling**
 - Australian site alone has recycled over 30K tonnes of cartridges since its inception
 - **Eco Manufacturing – TonerPlas & rFlex**
 - Manufactured TonerPlas for over 760 kilometres of road
 - **ITAD**
 - Leveraging our printer OEM partnership to expand, streamline and secure ITAD processes for our customers. While ensuring compliance is met with Australian regulations.
 - **Cosmetics recycling**
 - Collecting and Recycling cosmetics for over 10 years for MAC and Estee Lauder
 - Close the Loop has recycled over 230 tonnes of cosmetics waste to date
- Recently launched Battery and E-waste collection and recycling program
- Servicing over 60,000 Australian businesses with their recycling and sustainability initiatives

The CtL Group



Close the Loop AU, Close the Loop US, Close the Loop EU, Close the Loop NZ, Close the Loop PACKAGING, o.f.pack, o.f.FLEXO, OSTER Packaging, of RECOVERY, The Pouch Shop, tps, ISF, IN-PLAS Recycling, OCEANIC AGENCIES, Crasti & Co., Sustain Paper, Alliance paper, inno bagclosures

How we Close the Loop



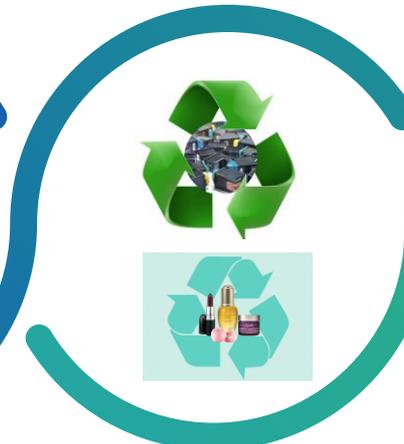
PARTNERSHIP

We partner with Customers to create Circular Economy



COLLECT

We collect millions of cosmetics and cartridges per year and soft plastics from our national logistics infrastructure.



RECYCLE/RE-USE

All toner cartridges, cosmetics and soft plastics are recycled with zero waste to landfill. Electronic assets are only recycled if there is no value recovery strategy.



CREATE

From the recycled output streams we create circular products: **TonerPlus** and **rFlex**

Close the Loop Services

Recycling

Accredited onshore recycling with Close the Loop's zero waste to landfill brand promise.

Consulting

Analyse and create a circular economy model that is sustainable and economically viable.

Manufacturing

TonerPlas & rFlex™ solution for soft plastics & toner collected from take back programs.

Packaging products

Reporting & Certification

End to end reporting & certification for recycled products.

Logistics

End to end national logistics for a fast and reliable collection and distribution service.

Customer Service

Customer Service is available for support at each stage of the supply chain from collection to recycling.



Accredited Recycling Program

Close the Loop ISO accreditations

- ISO 9001:2015
- ISO 14001:2015
- ISO 45001:2018
- AS/NZS 4801:2001
- Zero Waste to Landfill

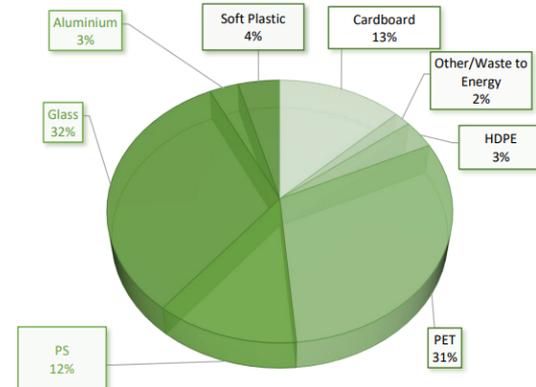
Full list here : <https://www.closesthe-loop.com.au/certifications-standards/>



CTL MASS BALANCE

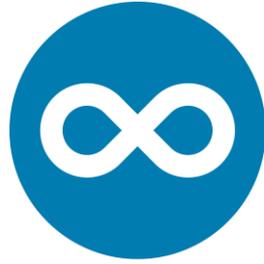
Input Type
Coty November 2023
Total Weight (kgs)
4.67

Output Type	Total Weight (kgs)	
Cardboard	0.60	12.85%
Other/Waste to Energy	0.08	1.71%
HDPE	0.16	3.43%
PET	1.43	30.62%
PS	0.57	12.21%
Glass	1.49	31.91%
Aluminium	0.14	3.00%
Soft Plastic	0.20	4.28%
Grand Total	4.67	

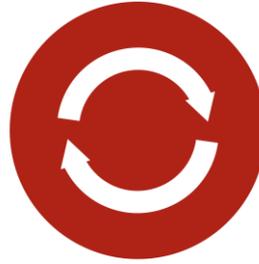


Now for traceability reporting.....

The 3 pillars of circularity



**DESIGN OUT
WASTE AND
POLLUTION**



**KEEP PRODUCTS
AND MATERIALS
IN USE**



**REGENERATE
NATURAL
SYSTEMS**

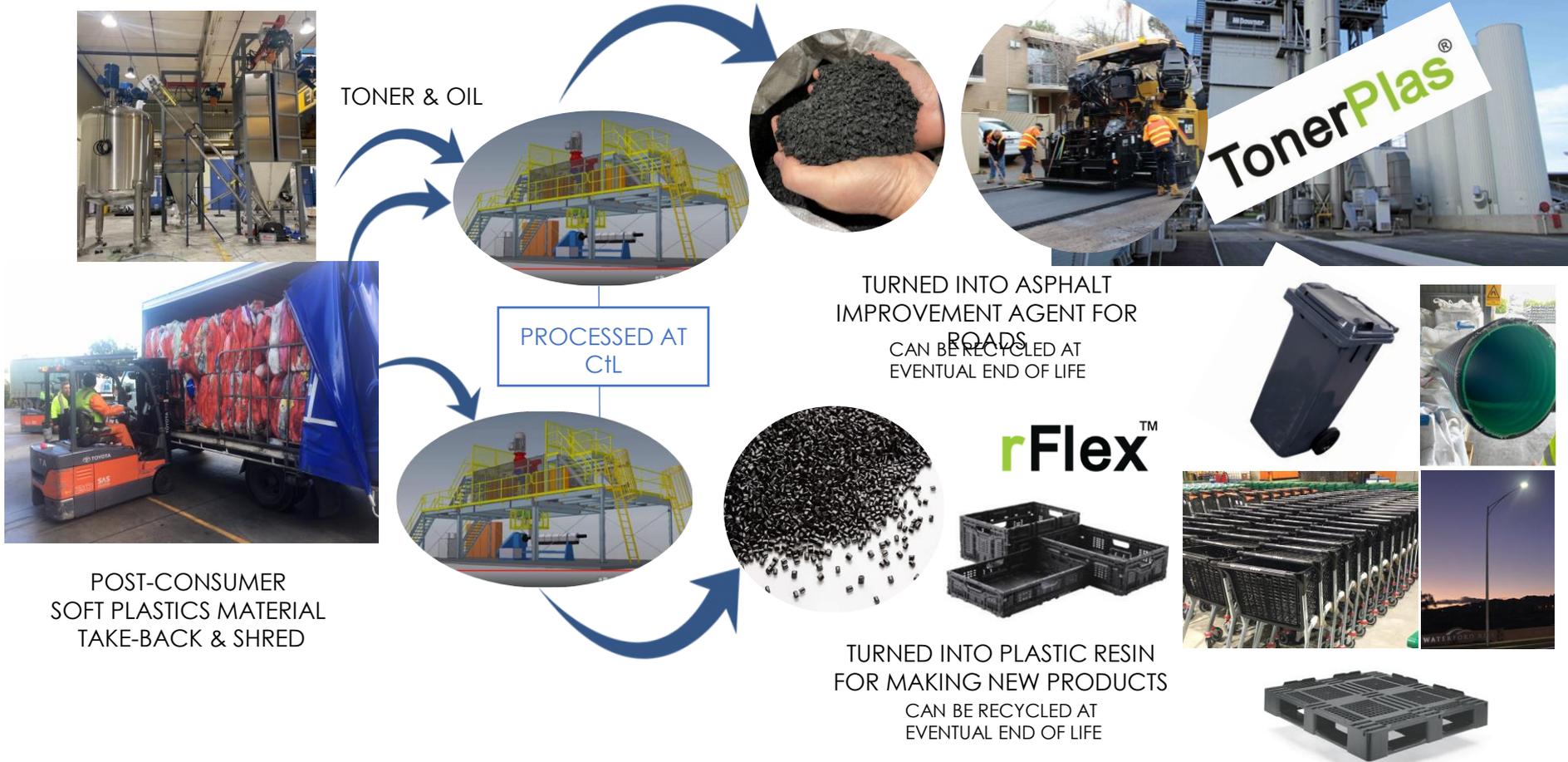


Cosmetics

- Product Stewardship developments
 - Working Group now headed by Accord (Industry Association)
- Highly mixed and contaminated products
 - No consideration to EoL at design stage
- Resource Recovery vs W2E
 - Glass
 - Soft plastics (PE mainly / empty tubes)
 - Mixed and contaminated (e.g. compacts / lipsticks)



What happens **downstream** is the key



TonerPlas®

- Our 10 year overnight success
- Driven by our founding brand promise (Zero Waste to Landfill)
- Patented on 3 continents
- Numerous and significant barriers to overcome to get to market
- Features and benefits
 - Increased resistance to deformation
 - Increased fatigue life, increased asset life
 - Reduced whole of life cost
 - Reduced bitumen, reduced CO2e, reduced footprint
 - Diversion of valuable atoms and molecules from landfill
 - Increased resistance to water – better bonding of stone
 - 1000's of KM's laid around Australia without a single issue

Downer



Polymer Modified Asphalt

TonerPlas® has now been used in large road projects in Australia such as the M80 and Monash Freeway upgrades

While polymers have been used in high-performing asphalt roads for over 50 years, TonerPlas® is the first engineered polymer application that improves the performance, resilience and longevity of asphalt roads that is also made using recycled plastics.

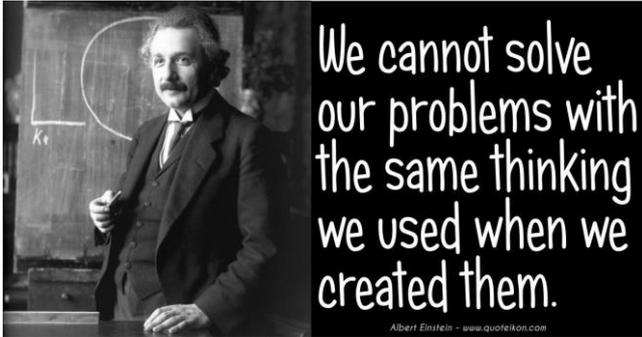
Further benefits of TonerPlas® :

- No change to workability of asphalt
- No odours when creating or laying asphalt
- RAP from modified asphalt is 100% recyclable at eventual end of life



Section of the M80 Freeway upgrade using TonerPlas.
Major project – State owned road.

Things must change - fast





Lots of publicity and wide acceptance



Close the Loop

NOVEMBER 2020

ROADS & INFRASTRUCTURE AUSTRALIA

THE BITUMEN BALANCE

Puma Bitumen modification facility Port Phillip

MASTERING THE TRANSPORT LOGISTICS

An update on storage and transport logistics software

Call us on 1300 762 222

AAPA
ASPHALT PROCESSING ASSOCIATION OF AUSTRALIA

ISCA
INTERNATIONAL SOCIETY OF CONSTRUCTION AND INFRASTRUCTURE

AUSTRALIA'S ONLY SPECIALIST ROAD MANAGEMENT, CONSTRUCTION AND CIVIL

GROWING A SUSTAINABLE FOOTPRINT WITH TONERPLAS

TONERPLAS IS A HIGH-PERFORMANCE ASPHALT ADDITIVE ENGINEERED USING POST-CONSUMER RECYCLED PLASTIC POLYMERS. AFTER NEARLY 10 YEARS IN DEVELOPMENT, BEING TESTED AND TRIALLED ON AUSTRALIAN ROADS, CLOSE THE LOOP IS LOOKING TO INCREASE ITS FOOTPRINT IN THE SECTOR.

In recent years, policy changes and examples of innovation have propelled the road construction industry forward, not only to increase the use of its own waste but to be a valuable market for other waste streams. Long before the COAG ban on waste exports or the implementation of Victoria's Recycled First Policy, Close the Loop, a major take-back provider of ink and toner cartridges, had a zero waste to landfill policy. This prompted the team to investigate markets for waste printer toner, which is a high-grade polymer. A trip to the United States demonstrated to Close the Loop that using these polymers in asphalt could be successful

and even increase performance. When a surveyor studied the roads and returned good results, Close the Loop got to work creating TonerPlas. From there the team began the wide search for industry partners to develop the use of this innovative asphalt additive using waste toner powder. Metro Asphalt and Downer answered the call and the first road was laid in 2013. Several years later, post-consumer recycled soft plastics were added via an advanced manufacturing process, designed and installed by the team at Close the Loop, and TonerPlas was released. Steve Morris, Founder of Close the Loop, says ever since the inception of TonerPlas

back in 2013, the team has been working on iterations of the technology, trialling different things along the way to improve performance characteristics. "For us, TonerPlas is about more than a waste material in roads, it's about using that material to enhance the performance of the asset. Building viable end market is the key to recycling because you are recycling until someone purchases that recycled product", he says. As an asphalt additive, TonerPlas is designed to melt and disperse into the bituminous binder and the asphalt mix which helps to reduce cold temperature cracking, increase rut resistance and lengthen asphalt life. "That road was laid back in 2018 in



which was laid back in 2018 in support from the council and the road still looks pristine. Jim App General Manager of Reconomy at C inspected the road recently and said, "It's a Victorian Government and Met Waste and Resource Recovery Grc study found a trial, in which Downer TonerPlas and a mixture of recycled and reclaimed asphalt, showed a road fatigue life by 65 per cent, it reduced cost of ownership over the life of the asset. "The performance characteristic enhanced by using TonerPlas is increased fatigue resistance and stiffness and rut resistance", Mr. In 2020, the product was added to the Infrastructure Sustainability of Australia's Supply directory Australia wide.

ALTERNATIVE MATERIALS FEATURE

the additive in bitumen and measure the modification of the properties. That is the key to binder testing to ensure you are modifying the binder in the correct way," Hester says. "Performance testing is also critical and our partnership with Downer remains highly important to prove the performance of TonerPlas in asphalt." The market is now open and all asphalt companies can use TonerPlas. Asphalt manufacturers looking to create their own unique mix designs. Close the Loop has specific usage guidelines for asphalt manufacturers to ensure the quantities and methodologies being used lead to the best results. Usually, generally used as either additives and it is same stage as other additives and it is in Victoria, Downer's Reconomy asphalt containing TonerPlas have been issued conditional registration from the Department of Transport, a strong signal that this innovative material can be standardised and widely used. "Looking ahead we plan to work with innovative people to use TonerPlas in road works and major road projects alike," Morris says. "We want to manufacture TonerPlas in multiple provinces. The holy grail of recycling is to use the waste we create in state and local government we want to set up manufacturing capability provided we have certainty of the continued usage of the product in that area."

David Hester, Close the Loop Technical Manager, says his approach is always to work out how to transform a material and make it fit within a new application. This is "an added benefit of plastics and toner not form, but for the benefits in improving the asphalt binder matrix," he says. "TonerPlas really provides increased stiffness at high temperatures most critically without affecting performance at the low temperature stiffness." The polymers in TonerPlas also impart elasticity which works to directly improve fatigue life of the pavement. In a supply partnership with REDcycle, Close the Loop use post-consumer soft plastics that are dropped into bins at Coles and Woolworths stores all over Australia to create TonerPlas. Elizabeth Kaell, Director of RED Group which runs the REDcycle collection program, says TonerPlas is an important end market for REDcycle materials because it's a highly engineered additive that also improves the performance of a road material to end manufacturers who are using it as a high-performance product, not just as a way to put plastic into anything," she says. "The construction industry is a great end market because it has the capacity to use a significant volume of recycled material. It's also what I would consider as fit for purpose, meaning the REDcycle



TonerPlas complies with Austroads standards



Close the Loop

Greensborough Bypass

North East Link + Greensboro

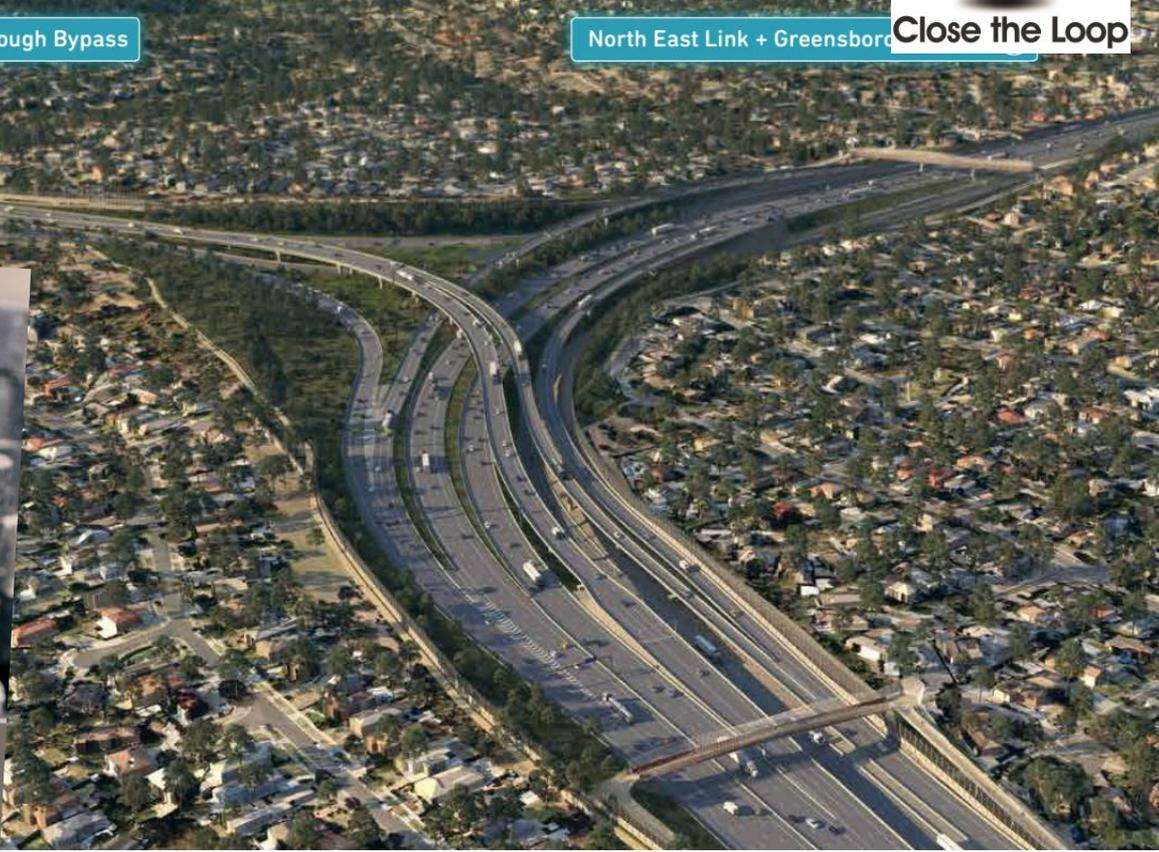

Austroads
Research Report
AP-R680-22


Austroads
Technical Report
AP-T376-23



Use of Road-grade Recycled Plastics for Sustainable Asphalt Pavements
Final Performance and Environmental Assessment Part B

National Harmonisation of Test Methods Used in Asphalt Performance Specifications



More about the Mix Melter technology

- Crasti & Co.

- Approx. 30% of AU bulk bag market
- 100% PP bags
- Bega
- Dulux



- Dupont

- Tyvek suits



- DHL

- Bulk liners



Circular Contracts - The future of collaboration as we transition to a Circular Economy



Building a Circular Greater Bendigo

DELIVERING CIRCULAR ECONOMY SOLUTIONS FOR THE WIDER REGION IN A POST-LANDFILL ENVIRONMENT
EOI BRIEFING DOCUMENT



- The partners share responsibility for collecting, baling, processing, and reusing
- Council buys back TonerPlas at same rate as supplying plastic waste



Soft Plastics collected in Bendigo and surrounds



Soft plastics decontaminated and baled in Bendigo and surrounds

Bales shipped to Ctl in Somerton VIC

Finished products shipped back to Bendigo and surrounds for reuse in roads and other

Ctl makes TonerPlas and rFlex from mixed soft plastics

Bales unloaded at Ctl and data captured

Decentralised manufacturing in Australia



Place the solution at the source of the waste

We have existing markets in all states

Use local jobs to turn local waste in locally used finished products

TonerPlas and rFlex

TonerPlas is a proven, Australian, circular economy innovation



Introducing rFlex®



Feedstock

Recycled Soft Plastics



rFlex™ Process Flowchart

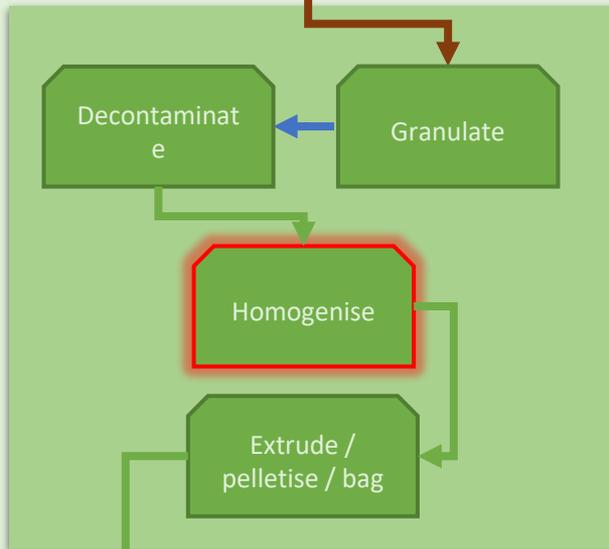
Recycled Oil and other additives



Reprocessing and Product Manufacture



Close the Loop



Output Markets and EOL Recovery

Secondary Consumers



Damaged Product Takeback

Primary Consumers (Moulders etc)



The advanced manufacturing process at CtL

rFlex is manufactured on our TonerPlas line and has been many years in the making.

The process starts with a decontamination stage, then shred, clean, blend, homogenise, compound additives, filter, pelletise, cool, and bag in 700 KG bags.

This is advanced mechanical manufacturing using recycled inputs

Our QC plan ensures minimum variability between batches and tracks your rFlex back to the day it was made, who the operators were etc. We are fully committed to transparency and quality.



What can be made with rFlex™



rFlex™ is a new raw material made from 100% PCR (Post Consumer Recycled) plastic waste previously destined for landfill?

rFlex™ is a sophisticated and fully homogenised blend of mixed soft plastics that can be modified during the compounding stage to suit a range of specific physical and mechanical properties.

So what products can be made from rFlex? The answer is any product that is injection moulded, extruded, or even roto moulded.

Our preferred approach to new product development is collaborative. We work with you to produce a grade of rFlex that works for you. If you are looking to close the Loop on your packaging waste or other soft plastics waste, we'll help develop a product or range of products to replace what you are already using.



A few more product ideas with **rFlex**TM



This is all about pillar number two of the circular economy – keeping materials in circulation for longer.

Please call us to discuss.



Circular Pallet Project

Partner – VICFAM

Feedstock – rFlex made from 100% recycled soft plastics

Customer – All these brands plus Govt at all levels

Customer – CHEP, Loscam, others

Drivers – These brands now know that nothing gets recycled until someone buys recycled content

rFlex™



Manufactured by
The Victor Smorgon Group
Vicfam Plastics Division

VICFAMPLASTICS



How traceability can support a circular business model

RE: Circular Integration Meeting



Krishna Suri <sustainability@ctlgroup.com.au>

To Steve Morriss; Jason Smith; Jessica O'Donnell; Kesh Nair; Adam Waldron



Material flows CLG_template.xlsx
11 KB



Material flows CLG_OFPack_SKUs.xlsx
10 KB



Circular Contracts
Outlook item

Hi Team,

Attached is a sheet with our best estimate of the weight of plastic in SKUs sold by O F Pack Jan-Dec 2023. Total is **1805 tonnes**. Breakdown by material is in the file *Material flows_OFPack_SKUs*.

- Traceability data for our partners
- Traceability data for our own management objectives
- Need to plug in to data from suppliers
- Who manages the project across the supply chain?
 - EG the Taskforce, CtL, the collectors, balers ?

Row Labels	2022					2022 Total	Grand Total
	Jan	Feb	Mar	Apr	May		
Incoming	226,047	266,080	328,828	210,184	291,275	1,322,412	1,322,412
APTB	110,204	136,099	166,746	120,872	143,887	677,806	677,806
CTL Consumables	27,000	14,614	36,900	9,300	12,600	100,414	100,414
E_waste Recyclers Bulk Waste		11,878				11,878	11,878
Ecycle		4,208	3,069		4,079	11,356	11,356
Estee Lauder		8,686			4,642	13,328	13,328
Gift Cards		766	2,410	709	10,108	13,993	13,993
HP Products		2,256				2,256	2,256
Indigo	4,016	7,404	5,471	4,373	5,946	27,210	27,210
Mac		1,869			5,447	7,316	7,316
NZ - INDIGO	530	1,526	1,857		1,555	5,468	5,468
NZ - Lexmark	513	345			156	1,014	1,014
NZ - RCI	647	444	1,401		1,488	3,980	3,980
Plastic - ABS	381	972		178	705	2,236	2,236
Plastic - EPS (Foam)					57	57	57
Plastic - HDPE	1,370	904		313	1,243	3,830	3,830
Plastic - HIPS	657	784		811	1,534	3,786	3,786
Plastic - PP	1,280	562		224	609	2,675	2,675
Plastic - Soft Plastics		40			282	322	322
Soft Plastics	75,661	68,643	104,950	66,068	88,179	403,501	403,501
Starter Kits			2,514	4,348	4,544	11,406	11,406
URCI	3,788	4,080	3,511	2,988	4,214	18,581	18,581

Recovery Rate - Full Data Recovery Rate Graph **Incoming Data** Incoming Data Graph

**Thanks for listening.
Any questions?**



Emerging Sustainability Reporting Requirements

Siobhan Hammond

Director

Australian Accounting Standards Board



Emerging sustainability reporting requirements

National GS1 Traceability Advisory Group - 2024 Sustainability Forum

April 2024



Australian Government
Australian Accounting Standards Board

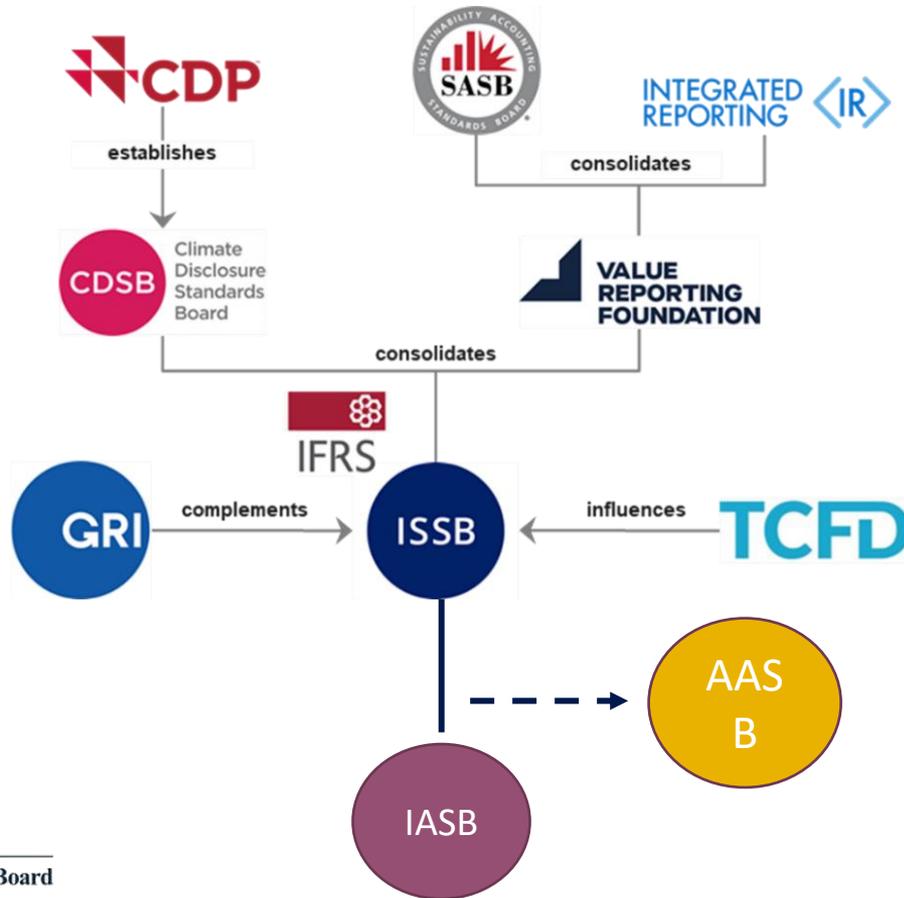
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Purpose of this session

1. International and jurisdictional overview
2. Overview of Treasury's Consultation process so far
3. The AASB and sustainability reporting
4. Overview of AASB's Consultation process so far
5. Value chain reporting
6. What comes next?



International overview



Key jurisdictional overview

Jurisdiction	Proposal	User focus	Commencement date
European Union	European Corporate Sustainability Reporting Directive (EU CSRD) and European Sustainability Reporting Standards (ESRS)	Multi-stakeholder focus beyond financial materiality	Phasing in from 1 Jan 2024
United States of America	US SEC Ruling: The Enhancement and Standardization of Climate-Related Disclosures for Investors	Investor only – subset of primary users of GPFR	Phasing in from 1 Jan 2025
Singapore	Climate-related Disclosures (using IFRS SDS to extent practicable)	Primary users of GPFR	Phasing in from 1 Jan 2025



Key jurisdictional overview (cont.)

Jurisdiction	Proposal	User focus	Commencement date
United Kingdom	Require climate-related financial disclosures of the Recommendations of the Task Force on Climate-related Financial Disclosures for certain entities	Primary users of GPFR	Phased in from Dec 2020
China	Three major stock exchanges have jointly published for comment draft guidelines on sustainability disclosure	Multi-stakeholder focus beyond financial materiality	Proposed commencement from 1 Jan 2026



Treasury's Consultation Process

Empowering the AASB to deliver sustainability standards

- Proposing **amendments to the ASIC Act to empower the AASB to develop sustainability standards**
- Consultation period: 28 Nov 2022 – 16 Dec 2022

Climate-related financial disclosure: Second consultation

- The **Aust. Govt's proposed policy position**
- Consultation period: 27 Jun 2023 – 21 Jul 2023

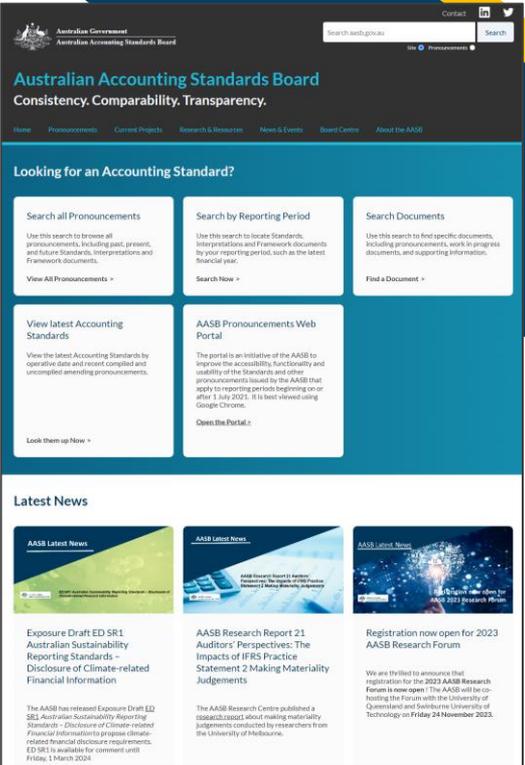
Climate-related financial disclosure: exposure draft legislation

- The **Aust. Govt's policy position and supporting exposure draft legislation**
- Consultation period: 12 Jan 2024 – 9 Feb 2024



AASB and sustainability reporting

- Independent **Australian Government** agency
- Responsible for **developing, issuing and maintaining accounting standards** that apply under Australian company law
- Our **remit includes** external reporting, such as **sustainability standards**
- Legislative amendments to the ASIC Act to **explicitly empower** the AASB to issue sustainability reporting standards are **currently with Parliament**

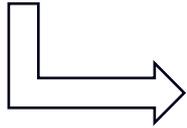


The screenshot shows the Australian Accounting Standards Board (AASB) website. The header includes the Australian Government logo and the AASB name. The main navigation bar lists: Home, Pronouncements, Current Projects, Research & Resources, News & Events, Board Centre, and About the AASB. A search bar is located in the top right corner. Below the navigation, the main content area is titled "Looking for an Accounting Standard?" and features three search boxes: "Search all Pronouncements", "Search by Reporting Period", and "Search Documents". Below these are sections for "View latest Accounting Standards" and "AASB Pronouncements Web Portal". The "Latest News" section at the bottom features three news items: "Exposure Draft ED SR1 Australian Sustainability Reporting Standards – Disclosure of Climate-related Financial Information", "AASB Research Report 21 Auditors' Perspectives: The Impacts of IFRS Practice Statement 2 Making Materiality Judgements", and "Registration now open for 2023 AASB Research Forum".

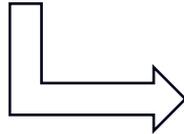


AASB's Consultation Process

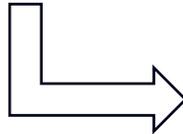
ITC 46 AASB Agenda Consultation
2022-2026
(Sept 2021 – Feb 2022)



ITC 48 Extended External Reporting
(Nov 2021 – Jan 2022)



ED 321 Request for Comment on
[Draft] IFRS S1 and [Draft] IFRS S2
(Apr 2022 – Jul 2022)



ED SR1 Australian Sustainability Reporting
Standards – Disclosure of Climate-related
Financial Information
(Oct 2023 – Mar 2024)



Value chain reporting

- **Underlying concept across all international and jurisdictional approaches** to sustainability or climate reporting is that an entity is **required to report on the full range of interactions, resources and relationships related to its business model and the environment in which it operates** (i.e. value chain reporting)
- **Primary concerns** about value chain reporting:
 - **Data availability** – access to relevant data from entities within a value chain
 - **Timeliness of data** – delivery of relevant data to report in compliance with financial reporting cycle
 - **Data quality** – traceability and assurance over third-party data



What comes next?

AASB

- AASB to **complete review and analysis of stakeholder feedback** to ED SR1
- **Consider how best to address issues identified** in stakeholder feedback
- **Finalise ASRS Standards** ahead of legislative commencement date

AUASB

- In April 2024 the Auditing and Assurance Standards Board **published for public comment Consultation Paper (CP) *Assurance over Climate and Other Sustainability Information*** (comment period open to **3 May 2024**)





Sign up for
our newsletter!



AASB

Thank You



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Australian Government
Australian Accounting Standards Board

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Reporting with Confidence, Trust and Privacy

The Emerging United Nations Transparency Protocol

Steve Capell

Director, Go Source

Representing UN/CEFACT

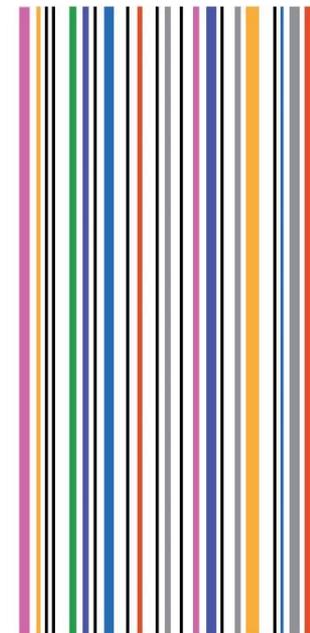


Transparency at Scale

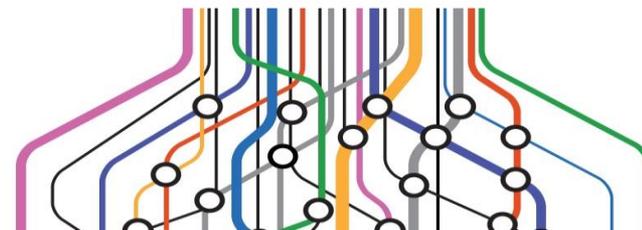
UNECE recommendation 49

UN Transparency Protocol (UNTP)

Steve Capell
steve.capell@gmail.com



UN / CEFACT



Agenda

The Situation

- Greenwashing is rampant, regulators are acting
- Transparency is the only way to win

The Complication

- Traceability and transparency platforms are not working.

The Resolution

- Address all the challenges with a protocol, not a platform.

The Context

- Positioning the UN initiative

What's Next

- Pilots that really can scale to high volumes

Greenwashing is rampant

The Situation



<https://www.un.org/en/climatechange/science/climate-issues/greenwashing>

<https://www.zippia.com/advice/greenwashing-statistics/>

<https://www.reuters.com/sustainability/banks-behind-70-jump-greenwashing-incidents-2023-report-2023-10-03/>

https://ec.europa.eu/commission/presscorner/detail/en/ip_23_1692

<https://www.acc.gov.au/media-release/acc-greenwashing-internet-sweep-unearths-widespread-concerning-claims>

Greenwashing is rampant and getting worse

EU 2020



53.3%

53.3% of examined environmental claims in the EU were found to be vague, misleading or unfounded and 40% were unsubstantiated.

AU 2023



57%

Of the 247 businesses reviewed during the sweep, 57 per cent were identified as having made concerning claims about their environmental credentials.

UK 2023



REUTERS

70%

The number of instances of greenwashing by banks and financial services companies around the world rose 70% in the past 12 months from the previous 12 months

US 2023



60%

“three-quarters of executives said most organizations in their industry would be caught greenwashing if they were investigated thoroughly.” Moreover, almost “60% say their own organization is overstating its sustainability methods.”

But greenwashing is now starting to hurt



European Court of Human Rights ruling against Switzerland

- The recent decision by the European Court of Human Rights, which found Switzerland responsible for neglecting its citizens' human rights due to insufficient action against climate change, establishes a legal precedent for assessing future lawsuits



New York attorney general, suing the world's largest meat company, JBS

- JBS faces a lawsuit in New York for allegedly deceiving customers regarding its climate commitments. This legal action comes on top of a complaint lodged by a coalition of NGOs with the French National Financial Prosecutor's Office late last year against French banks BNP Paribas, Crédit Agricole, BPCE, and AXA. The complaint calls for a criminal inquiry into money laundering and concealment based on the banks' financing of JBS and Marfrig, who failed to adequately prevent the inclusion of cattle from illegally deforested areas in Brazil in their supply chains.



➤ New York state sues PepsiCo over plastic pollution

- Letitia James, the attorney general of New York, is suing the beverage manufacturer and demanding it to decrease the amount of packaging it releases into the Buffalo River and compensate for the harm inflicted on individuals and the environment by microplastics

As regulators force transparency & due diligence



At corporate level

EU : Corporate Sustainability Reporting Directive (CSRD)
Due Diligence Directive

AU : Climate Related Financial Disclosure (CRFD)

RoW : Various regulatory initiatives of the same pattern



At product level

EU : Digital Product passport (DPP)
Deforestation Regulation

AU : National Framework for Recycled Content

RoW : Various regulatory initiatives of the same pattern



- Leaving unsustainable behaviour with nowhere to hide
- And a likely torrent of litigation

So we face a tipping point in the greenwashing battle

There is already a significant difference between consumer expectation and market behavior

There are **two** plausible pathways out of this:

Either : A race to the top

Greenwashing is rare and has nowhere to hide

1. It's hard to fake claims



2. Consumer confidence improves

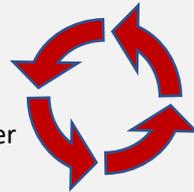
4. Businesses compete on quality of claims

3. Higher prices are justified

Or : A race to the bottom

Greenwashing is ubiquitous and undetectable

1. It's easy to fake claims



4. Even genuine businesses must fake claims to survive.

2. Consumer confidence drops

3. Low confidence means no price differential

When verifiable evidence is linked to product level sustainability claims, then businesses can meet due diligence obligations, reduce reputational risk, and accurately compute and improve corporate disclosures including scope 3 emissions

Incentives are then aligned to transition to a sustainable economy

Traceability & Transparency at scale is hard



Graveyard of failures like TradeLens, WeTrade, Everledger, and many more



Blockchain has been over-hyped and has no significant value for supply chain transparency

<https://www.maersk.com/news/articles/2022/11/29/maersk-and-ibm-to-discontinue-tradelens>

<https://www.gtreview.com/news/fintech/we-trade-calls-it-quits-after-running-out-of-cash/>

<https://www.afr.com/technology/government-and-tencent-backed-aussie-blockchain-firm-collapses-20230503-p5d58l>

The
Complication

UNECE also ran blockchain pilots that did not scale.

Cotton Pilot

- Cooperatives/farms/traders ■ 2
 - Manufacturers/suppliers ■ 4
 - Brands/Retailers ■ 2
 - Standard-setting bodies ■ 4
 - Academia-think tanks/Plat. ■ 1
 - DNA marker provider ■ 3
 - IOs ■ 3
- 21

UNECE Pilot Leadership



> 60 Pilot partners
End-to-end VC traceability



15 Countries in
Africa, Asia, Europe,
North and South America

UNECE Traceability &
Transparency Blockchain pilot


UNECE

Username:

Password: Show password

Login

Leather Pilot

- Raw Material prov./traders
- Manufacturers/suppliers
- Brands /Retailers
- Certification bodies
- Industry associations
- Ceramic marker provider
- NGOs
- IOs
- R&D and testing centre



The Resolution

Protocol over platform – the UNTP

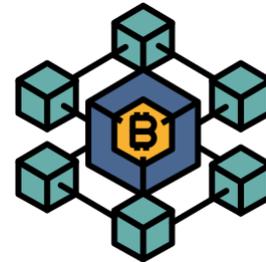
Challenge	Solution
Plethora of traceability platforms	Pick one that conforms to the UNTP
Few business incentives	Product passport as a bundle of differentiated value – including scope 3
Due-diligence obligations	Verifiable conformity evidence via conformity credentials
Commercial confidentiality	Privacy tools including selective redaction
Unequal digital maturity & adoption	Implementation without system-to-system dependency
Compatibility with existing identifiers	Leverage existing identifiers and link resolvers
A confusion of ESG standards	A scalable semantic mapping architecture
Identity, counterfeiting, mass balance fraud	Trust graphs and trust anchors

Challenge #1 – a plethora of platforms

Depending on your value chain partners to choose the same traceability & transparency platform as you is like saying “I can trade with anyone so long as they have an account at my bank”. It cannot work at scale.



There are many banks
But you can move funds easily



There are many blockchain platforms
But they are islands

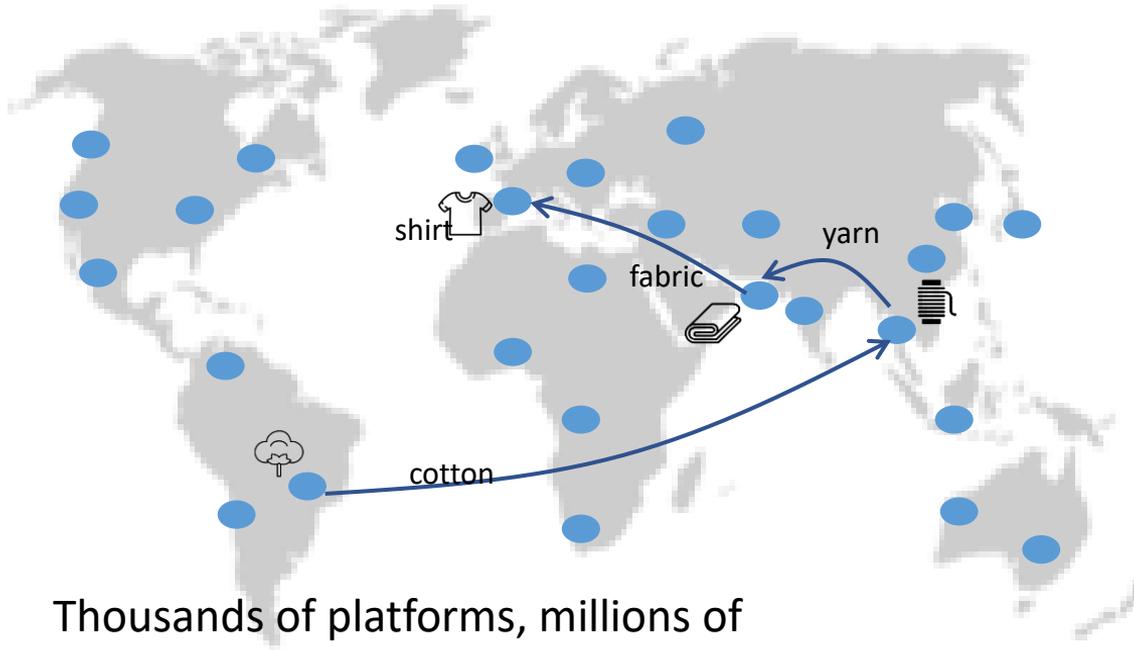
#1 – UNTP is an interoperability protocol, not a platform

Leave data where it is but link it together when needed using decentralised events.

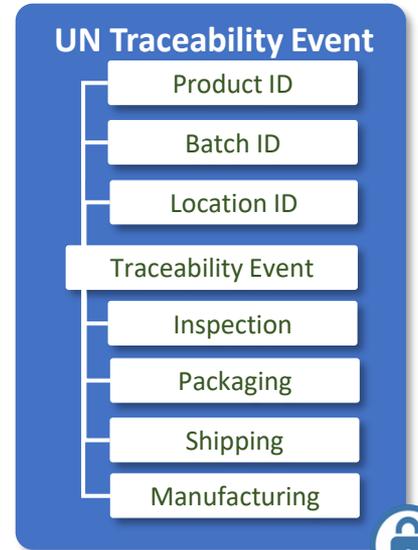
Use any software you like – so long as it conforms to UNTP.



UNTP



Based on
GS1 EPCIS



Thousands of platforms, millions of value-chains, billions of transactions

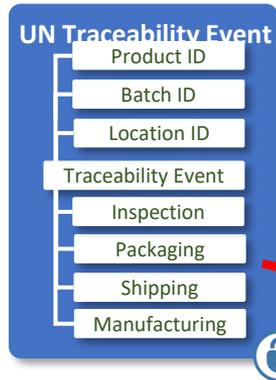
Challenge #2 – business incentives

Common industry practice today is to use industry averages for upstream supply chain sustainability performance. But this effectively remove all incentives. Why would an upstream supplier improve product sustainability downstream buyers don't differentiate?

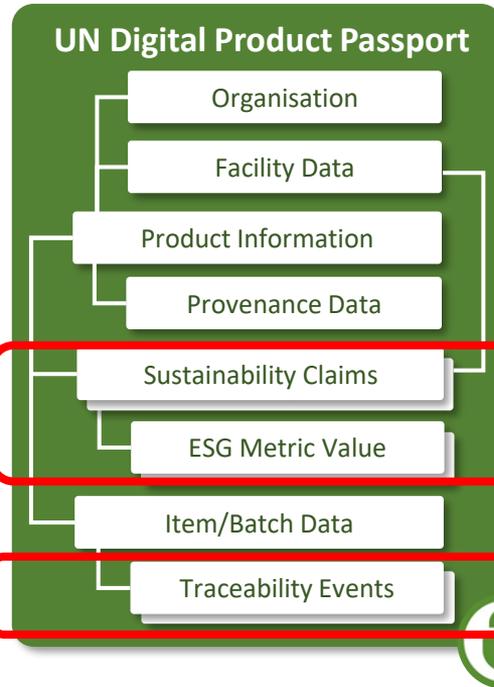
#2 – The UNTP passport is a bundle of differentiated value

ESG performance can only improve with informed and differentiated supply decisions. DPP claims are categorised for easy IFRS mapping.

There's a passport for every goods shipment

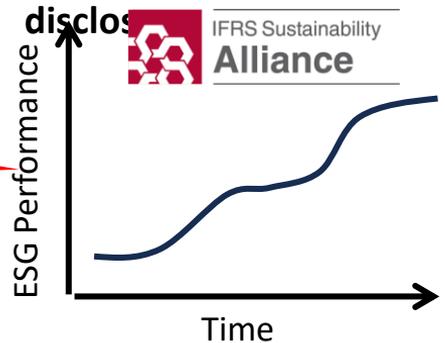


Links



UNTP

Sustainability



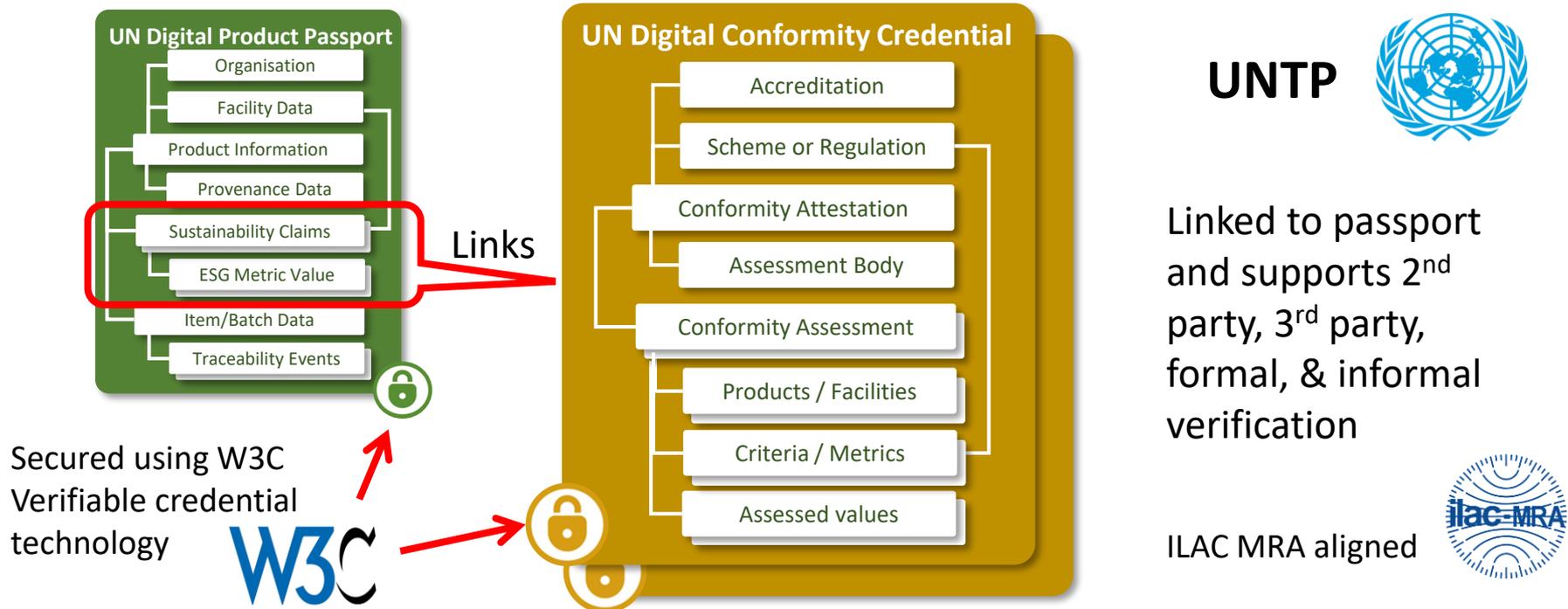
IFRS
topic
mapped

Challenge #3 – greenwashing & due-diligence

Greenwashing is already endemic. Differentiated supply decisions will provide even stronger incentives to make false claims. Due diligence regulations may impose liabilities on organisations for false claims from their suppliers. How to add sufficient **trust** to the system?

#3 – UNTP includes verifiable conformity evidence

Digital product conformity credential - developed in conjunction with national accreditation authorities and conformity assessment bodies.

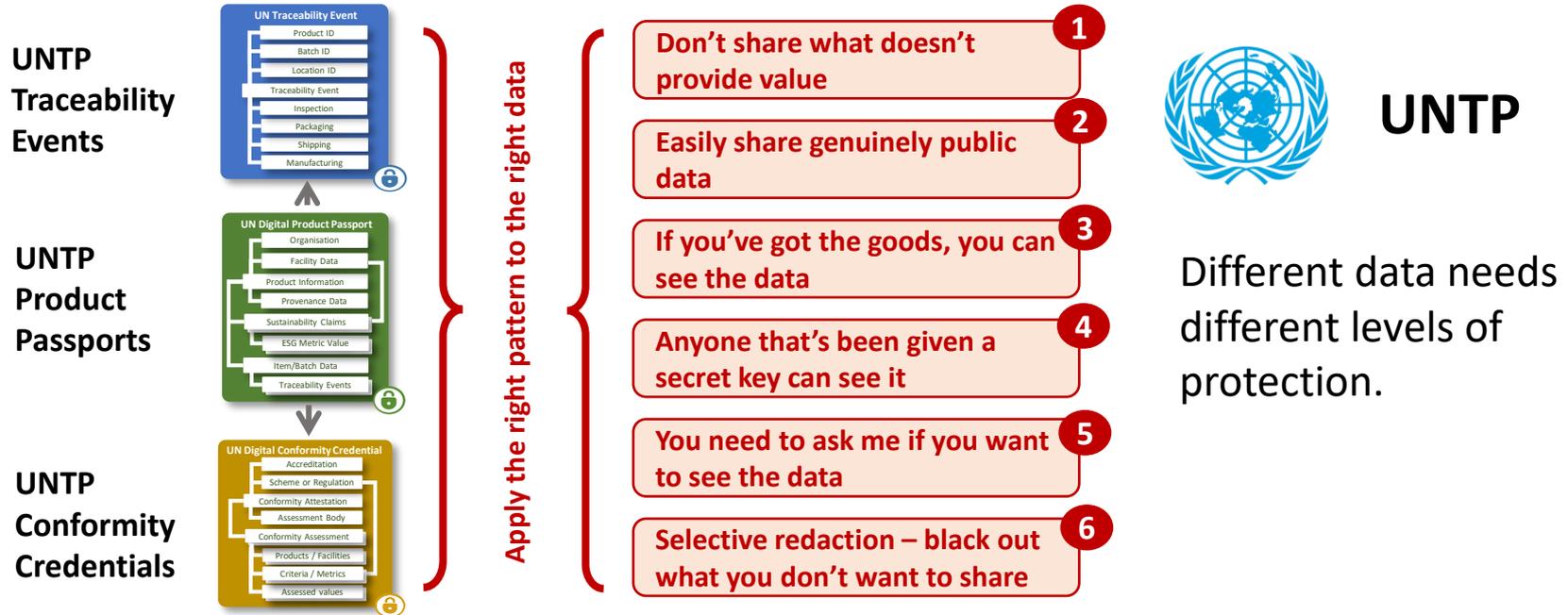


Challenge #4 – commercial confidentiality

Whilst “sunlight is the best auditor”, increased transparency also increases risk of leakage of commercially sensitive information. What one party considers confidential, another may not.

#4 – UNTP includes a privacy & security toolkit

Six tools that allow UNTP implementers to choose their own balance between confidentiality and transparency.

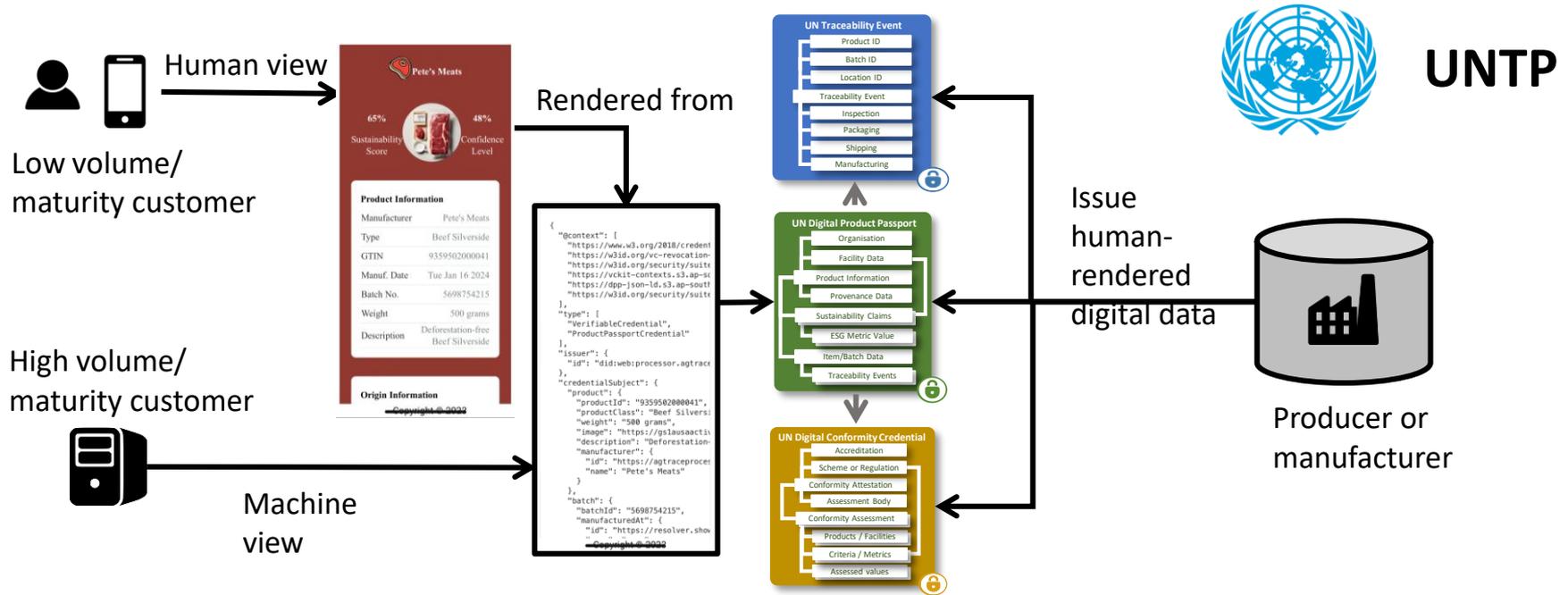


Challenge #5 – unequal digital maturity and adoption

UNTP is a digital protocol. If it only worked when every supply chain actor is digitally mature and connected, then nobody would start.

#5 – UNTP allows implementation without dependency

The same UNTP data is always BOTH human and machine readable. So implementers can go digital without dependency on other's maturity.

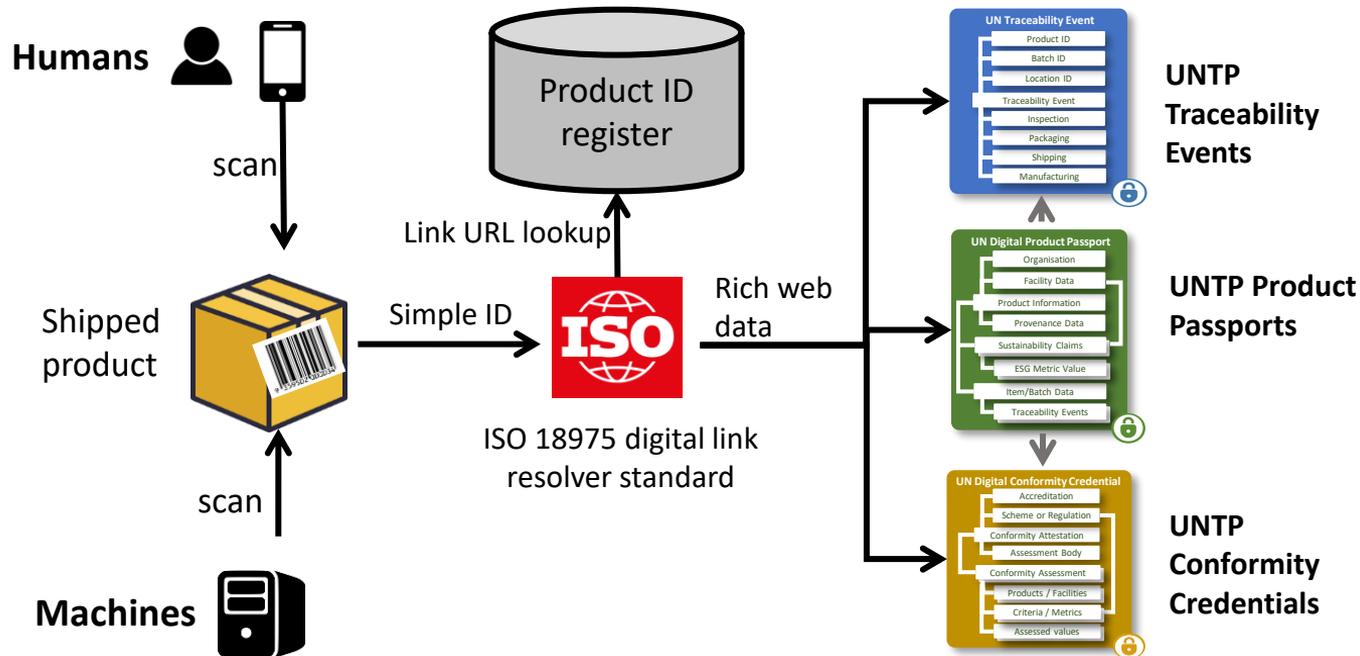


Challenge #6 – compatibility with existing identifiers

Industry uses well established identifier schemes (eg GS1 GTINs) that one actor cannot change without impacting others. Imposing any transparency scheme that requires new product identifiers or registers would present an enormous barrier.

#6 – UNTP leverages existing identifiers and link resolvers

Rich UNTP data is linked-to and discoverable-from existing industry identifiers, even when they are simple 1-D barcodes.



UNTP

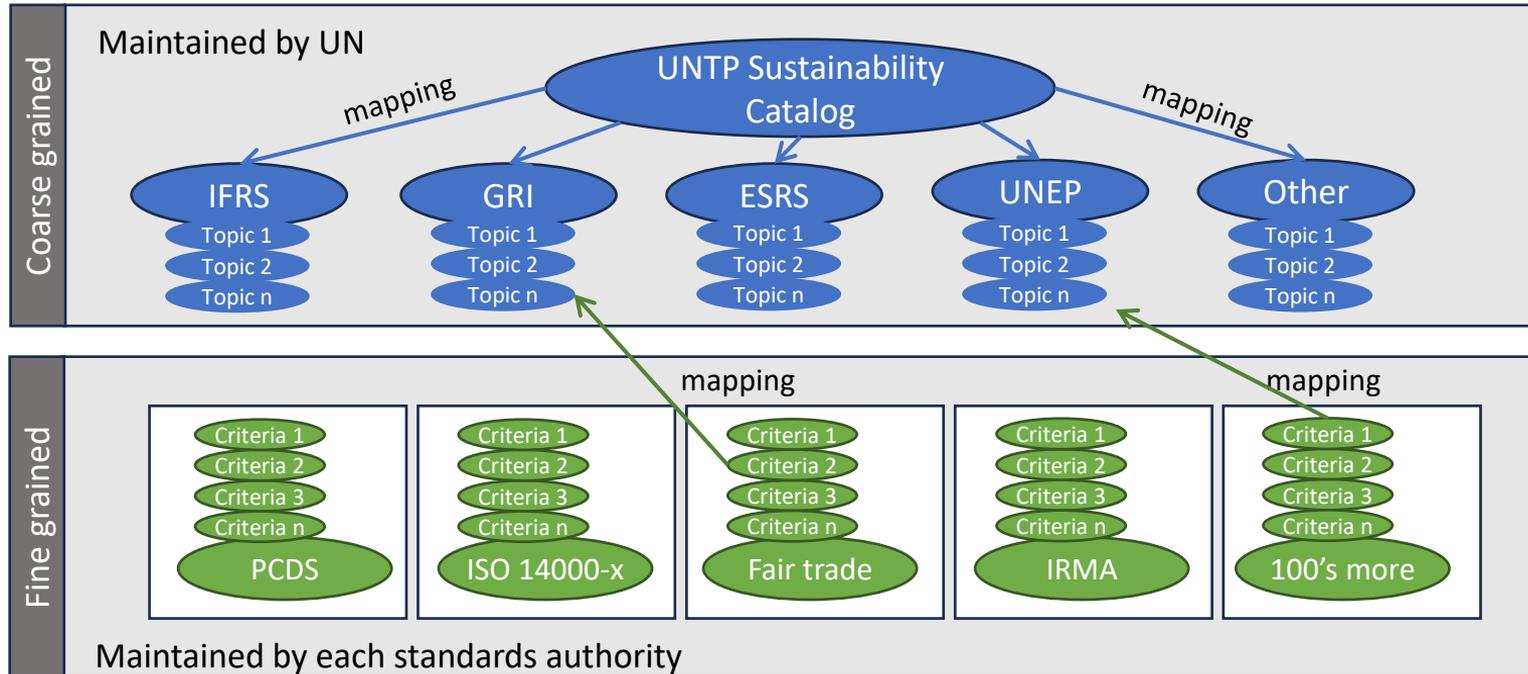
There's no need to connect system-to-system. Data is always discoverable from the product or batch identifier.

Challenge #7 – mapping different ESG claims

There are dozens of ESG classification schemes (IFRS, ESRS, GRI, UNEP, etc) and hundreds of ESG standards / specifications, each with multiple criteria. Any given claim in a DPP or assessment in a conformity credential will typically be made against any one of thousands of standard criteria and may (or may not) be classified using any one of dozens of schemes. In this complexity, how can consumers of passport data make any sense of the sustainability claims?

#7 – ESG Vocabulary mapping architecture

UNTP maintains a coarse-grained catalog (using W3C DCAT and SKOS) that maps well established vocabularies so that when any credential maps their claims to any vocabulary then they can be universally understood.



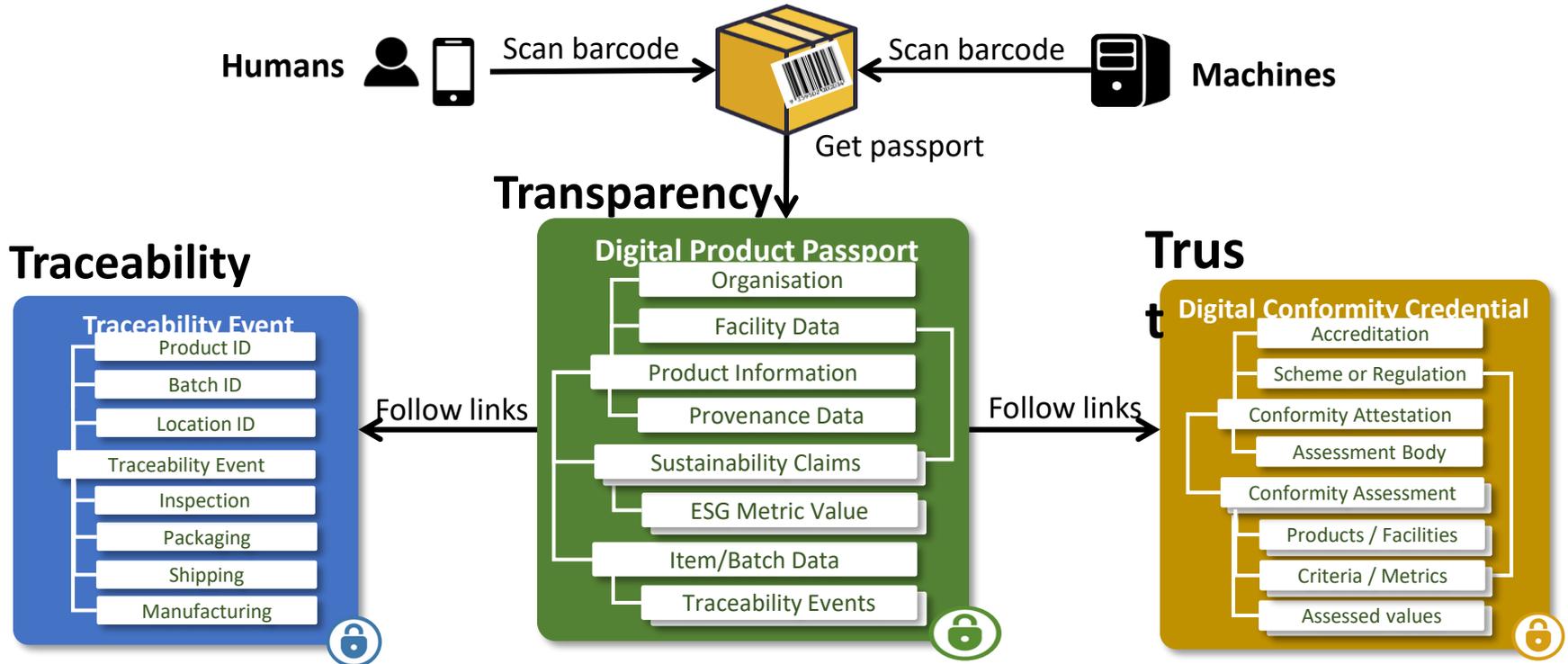
And there's more challenges

- #8 – Managing identity fraud.
- #9 – Counterfeiting
- #10 – Mass balance fraud

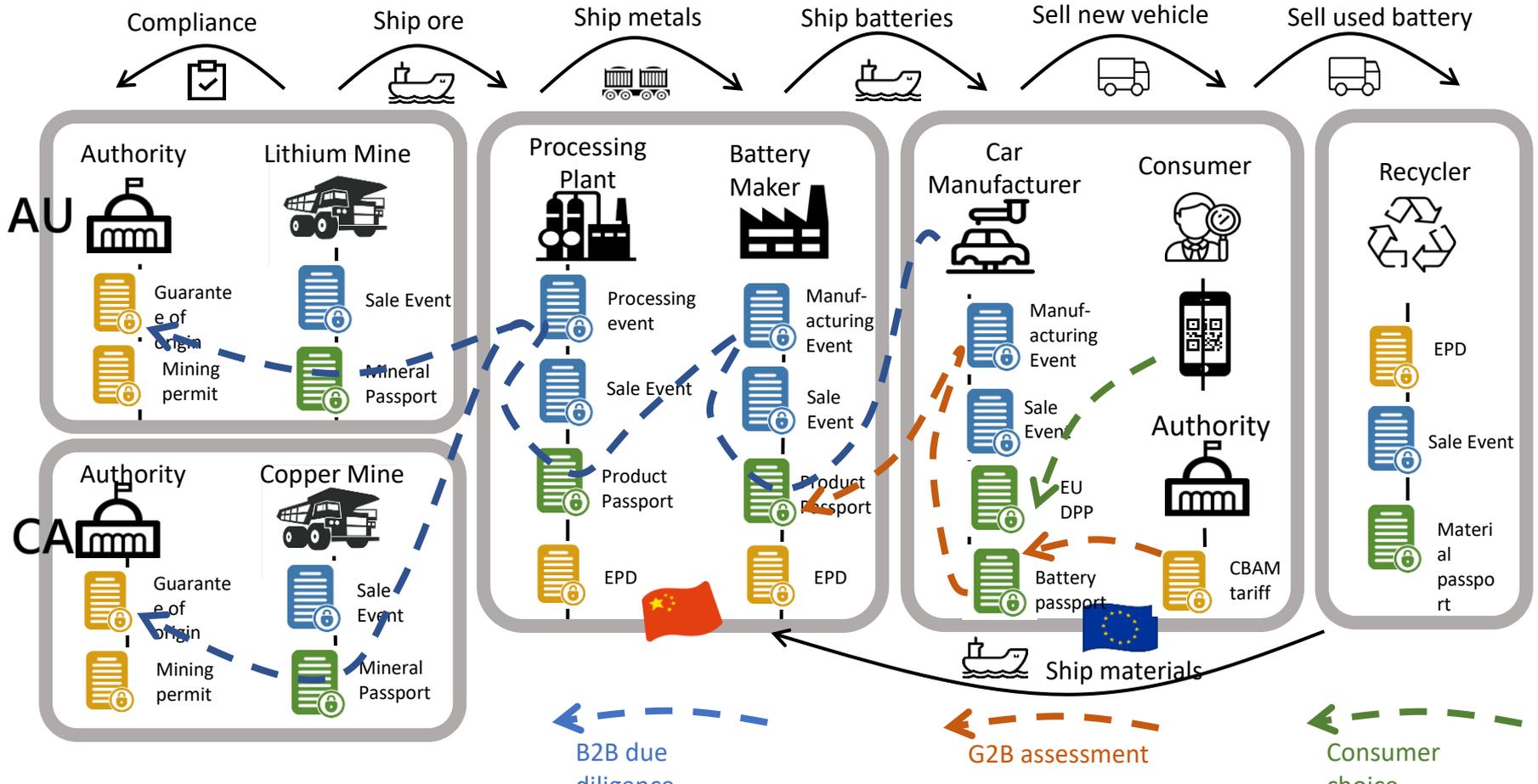
We've thought about these challenges and will add some optional extra tools to UNTP to address them.

Putting it together – what each implementer does.

Issue a DPP for each product you ship and optionally attach conformity credentials and traceability events. Make the data discoverable from the product ID.



Puttin it together – entire value chain perspective



Context

Why UNTP? What about other DPPs?

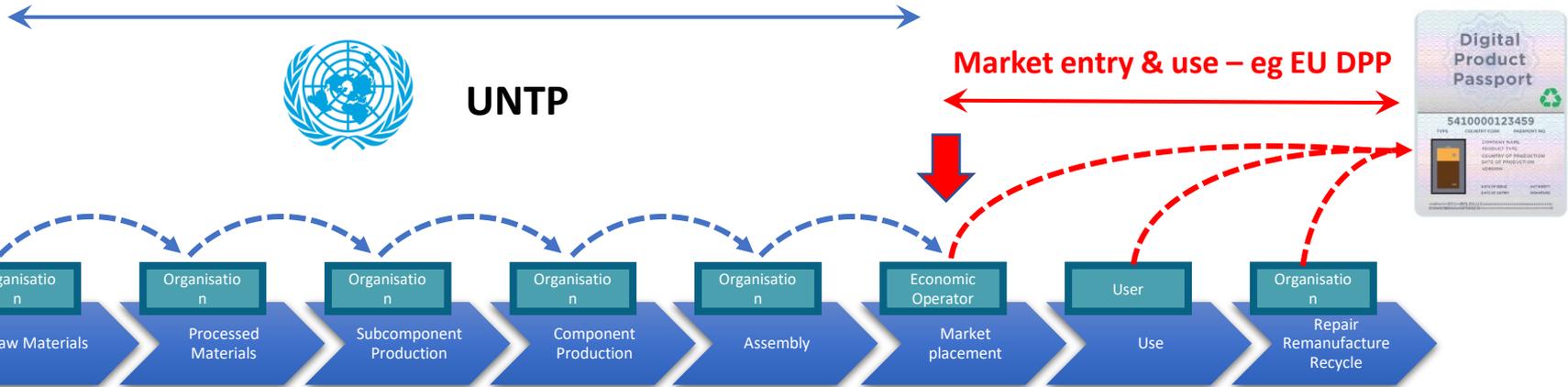
There are many similar initiatives happening around the world. Some are regulatory mandates, and some have strong industry support. Why should I implement UNTP?

1. Cross-border upstream focus complements regulatory initiatives
2. Cross-industry core supports industry sector initiatives.
3. Complete yet simple solution with a lot of re-usable capability.

Every regulated market has cross-border supply

UNTP is complementary to regulatory product passports – it provides the high integrity upstream data feedstock to inform regulatory passports.

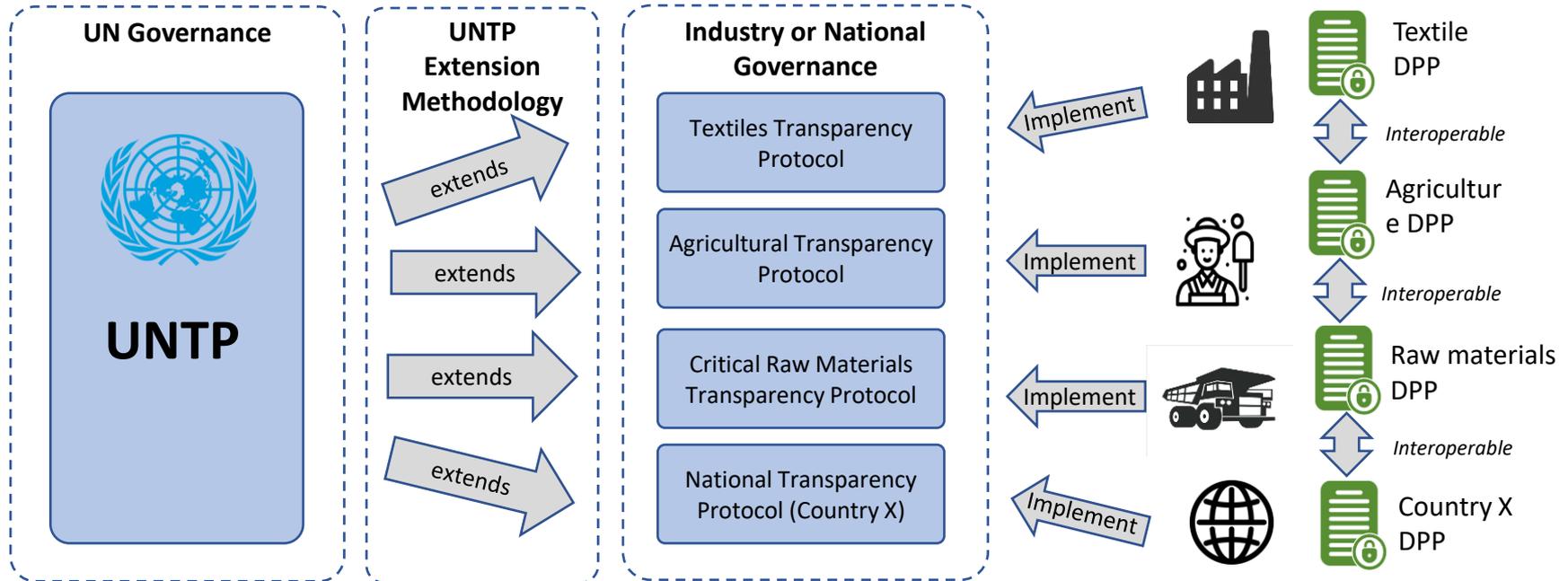
Upstream traceability and transparency – UN DPP



Funded by
the European Union

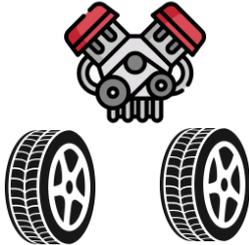
Every industry needs supply from other sectors

UNTP provides a cross-industry re-usable “core”. Industry can create non-breaking extensions that suit their needs whilst maintaining **cross-industry interoperability**.



A complete solution and simpler than you think

Other standards may include some useful parts – but leave you to assemble them.



UNTP is a complete standard designed to address all the challenges you will face.

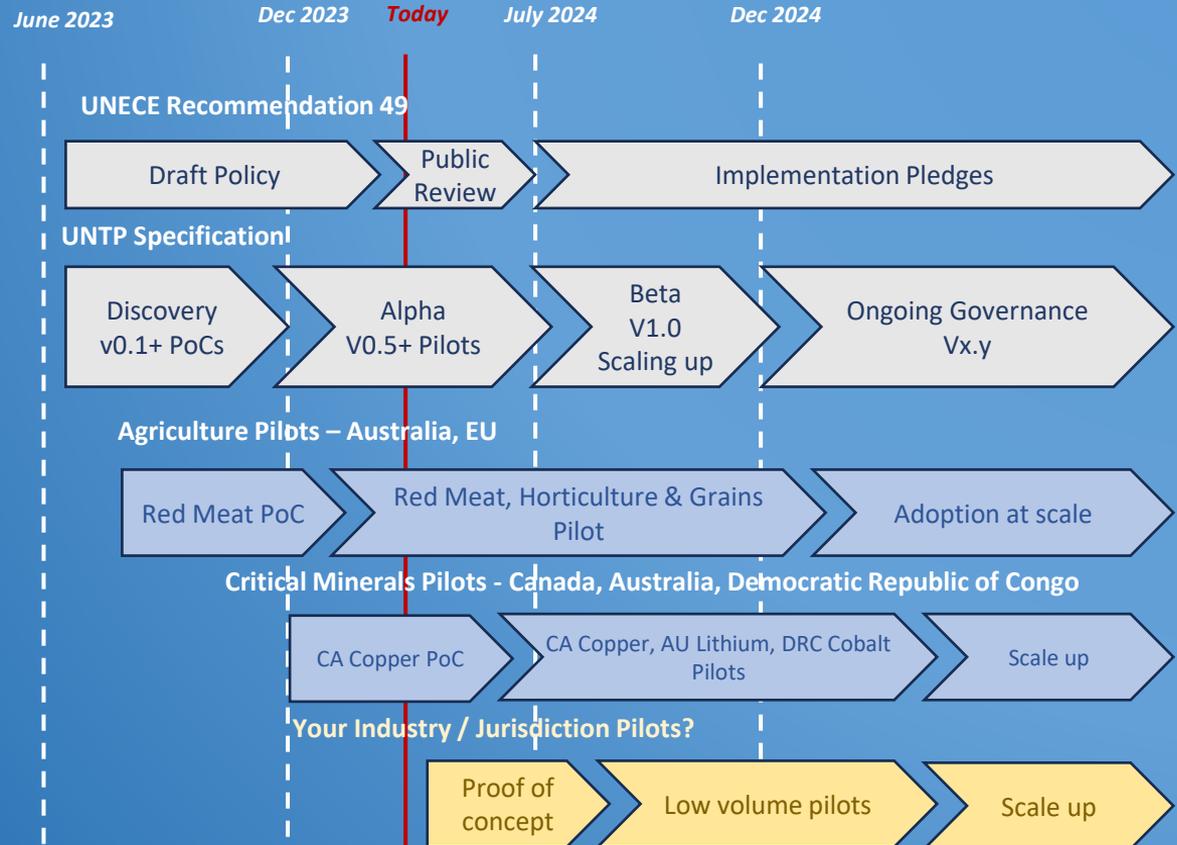


UNTP

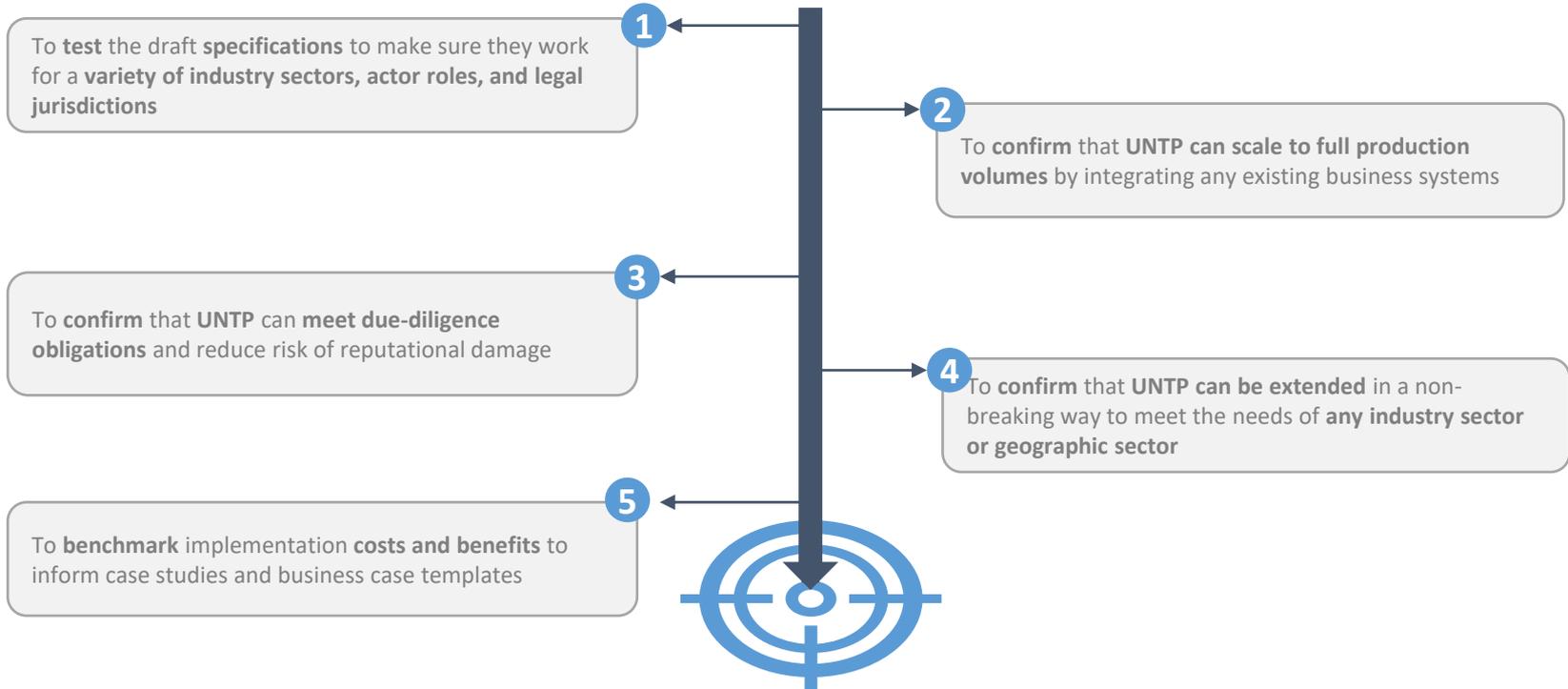
There is some new-ish technology involved (e.g. verifiable credentials) but it solves real problems and is simple to implement (e.g. 9 lines of code in the Australian pilot)

Pilot Implementations that can scale

What Next?



What are the UN goals for UNTP pilots?



What are the benefits for participants?



To have the opportunity to **contribute** to the **shaping of the standards** (via participation in the open development process)



To have the opportunity to **market** your **products via a public UN sustainability pledge** and list of conformant implementations



To **implement** a low volume **pilot** that can **seamlessly scale** to full volume production



As a seller, to **meet market access requirements** for products exported to increasingly regulated markets



As a seller, to **differentiate products** based on verifiable sustainability performance



As a buyer, to **receive sustainability data** at the right granularity (to aggregate for corporate disclosures) and **with the right integrity** (to meet due diligence obligations)

What are the obligations for participants?

- 
- ✓ To help **identify** and **engage** other **actors** in your ecosystem including your upstream suppliers, your downstream customers, your conformity assessment bodies, and your software vendors
 - ✓ To **map** your existing **business systems to UNTP** specifications and **build working integrations** that pass interoperability **testing**
 - ✓ To **register your sustainability pledge** and (once implementation testing is complete) your conformant implementation
 - ✓ To **keep pilot systems running** for sufficient time **to test** end-to-end supply chain traceability and transparency **with other actors in your ecosystem**
 - ✓ To **contribute to pilot assessment reports** including **technical** issues and business **cost/benefit analysis** (subject to your confidentiality constraints).

What is the estimated time & effort?



What do I need to do as a UNTP implementer? (1)

Producers, manufacturers, retailers

- **Issue** UN Digital Product Passports (DPPs) with **sustainability claims** as digital verifiable credentials (VCs) from your **existing** business system(s)
- **Issue Traceability Events** as VCs with links to **upstream products** (subject to confidentiality constraints)
- **Receive** digital product conformity credentials (DPCC) **from** your **conformity assessment** bodies
- **Publish DPPs, Events, and DPCCs** using a **link resolver** service so that they are discoverable from your product identifiers (SKU or batch)
- Discover and **verify DPPs linked to your supplies** from **upstream** suppliers

Industry Associations

- **Map** your **industry standards to UNTP** (and/or and existing registered extensions) and **identify** whether any additional **extensions** are **needed**
- **Develop extensions** following the extensions methodology and register the extension
- **Assess** opportunities for **bulk purchase of conformity assessment services** for **smaller members**
- **Assess** opportunities for provision of **mass balance verification services to your members**
- **Support** your **members** with their **UNTP** (or extension) **implementations**

Conformity assessment bodies

- **Issue conformity attestations** as Digital Product Conformity Certificates (DPCC)
- **Engage** your **accreditation authorities** and **request digital accreditation credentials**. **Link** them to your **conformity credentials**
- **Engage** with the issuers of your **reference standards** or regulations to **publish** their **conformity criteria** as **digital vocabularies**

What do I need to do as a UNTP implementer? (2)

Regulators

- As **business registration authorities** – consider issuing registration credentials (e.g. business identity) as **verifiable credentials**
- As **land/property registration authorities** – consider issuing **land titles** with cadastral boundaries as **verifiable credentials**
- As **trade/ export facilitation authorities** – consider issuing **guarantee of origin credentials** that will help importing authorities to trust your exports
- As **customs authorities** – consider using **DPPs as high integrity data sources** to reduce piggybacking and facilitate green-lane import processing
- As **environment/agriculture/labour competent authorities**, consider **publishing regulations as digital vocabularies** and **issuing licenses and permits as verifiable credentials**

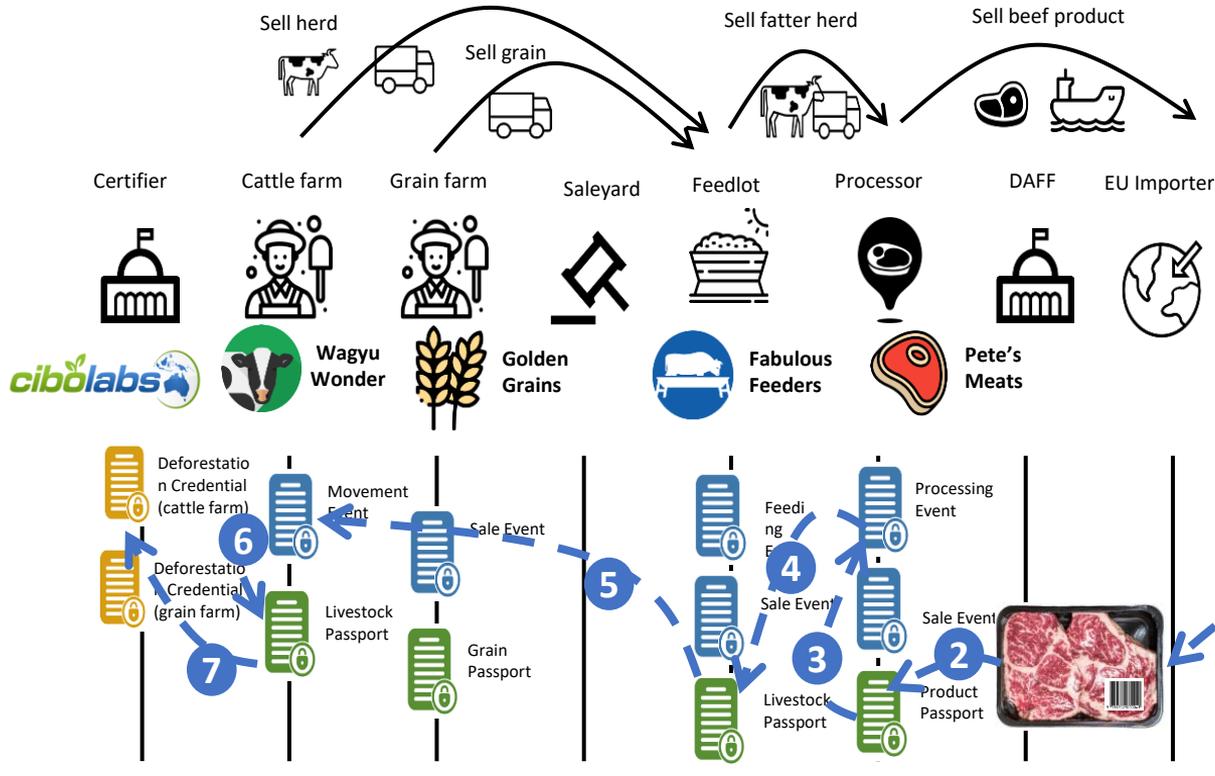
Business/Location/Product registers

- **Uplift your registry service** so that your **identifiers are discoverable, resolvable and verifiable**:
 - a) **Discoverability** requires consistent encoding as barcodes, QR codes, or RFID
 - b) **Resolvability** requires implementation of ISO-18975 conformant link resolver service
 - c) **Verifiability** requires issuing evidence of identifier ownership to registered entities as verifiable credentials

Software Vendors

- **Implement the UNTP profile that most suits your customers** so that their **cost of implementation is shared** across all your customers
- **Complete interoperability testing and register your conformant products**

Try it yourself – the Australian Agriculture UNTP pilot



Take out your phones and scan this QR to get the sample link resolver app.



Then scan this GTIN barcode on the meat product and follow the linked data trail



You!

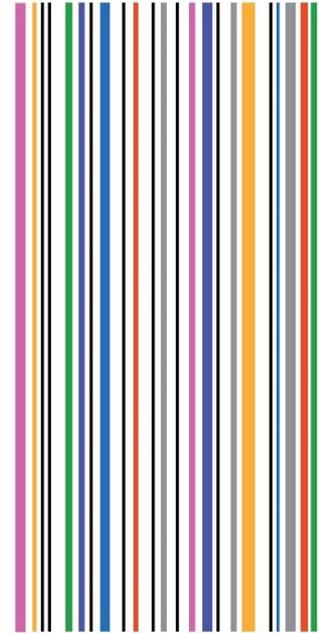


Transparency at Scale

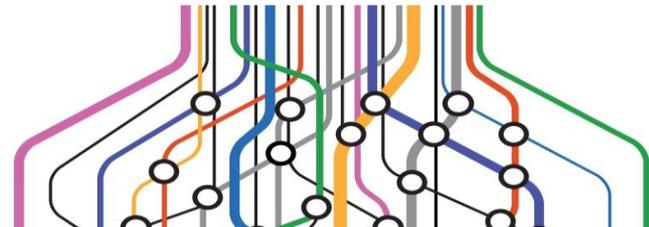
UNECE recommendation 49

Steve Capell
steve.capell@gmail.com

<https://uncefact.github.io/spec-untp/>



UN / CEFAC



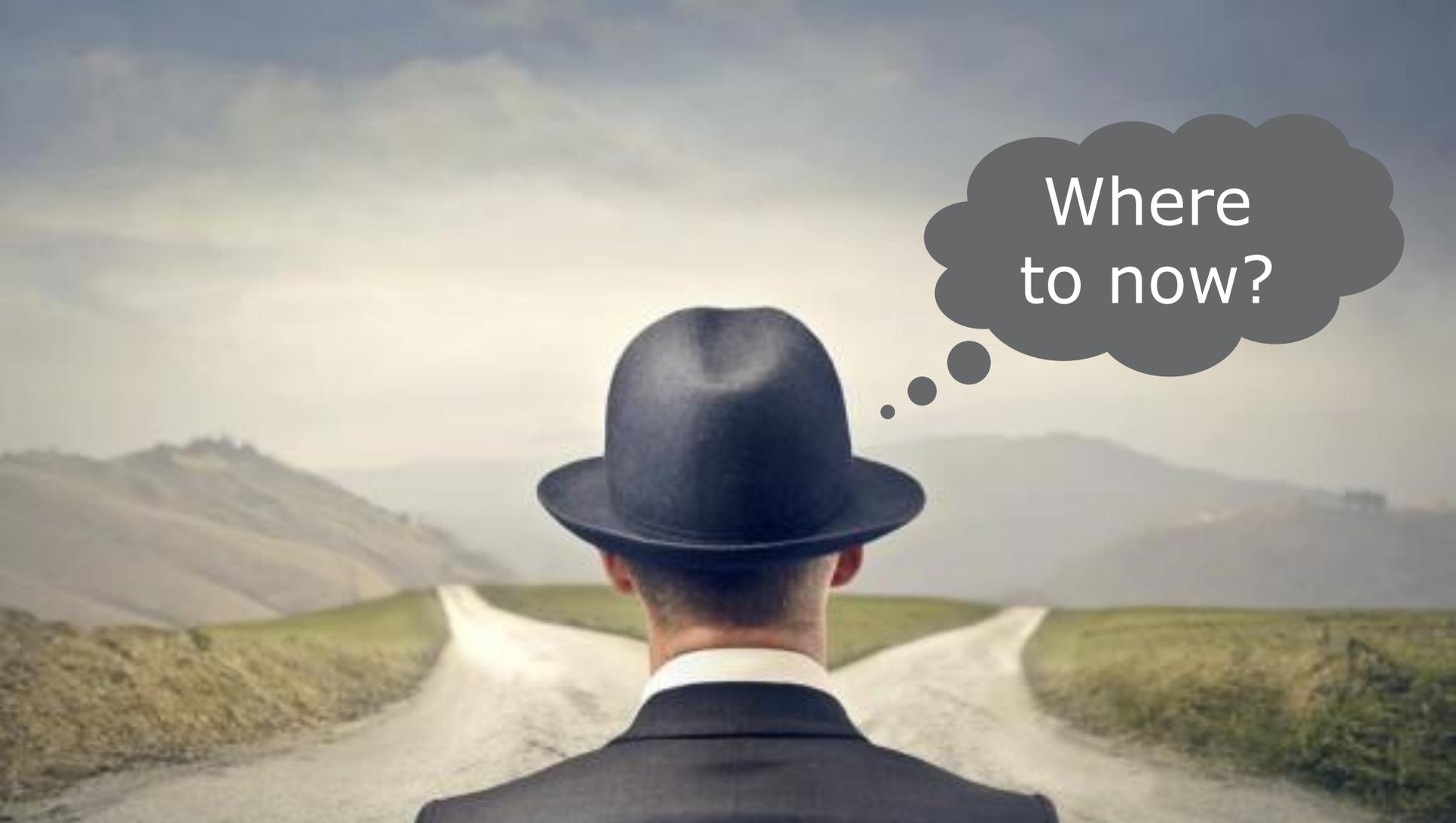
TraceWay and GS1 Traceability Program

How to get started

John Szabo

Manager, Advisory Services

GS1 Australia

A man in a dark suit and a black bowler hat is seen from behind, standing at a fork in a dirt road. The road splits into two paths that lead into a hazy, mountainous landscape under a cloudy sky. A thought bubble is positioned to the right of the man's head.

Where
to now?

Sustainability and circular economy in the supply chain are powered by digitalisation and visibility, shared through global and open data standards.

Sustainability & Circular economy

Foundational layer

GS1 provides a common set of standards to share sustainability information widely, both for B2B and B2C purposes. GS1 standards enable the digital transformation which is essential to the sustainability and circular economy models.

GS1 TraceWay

Step by step approach to design and implement interoperable traceability systems in the supply chain



Traceability
Analysis
Program

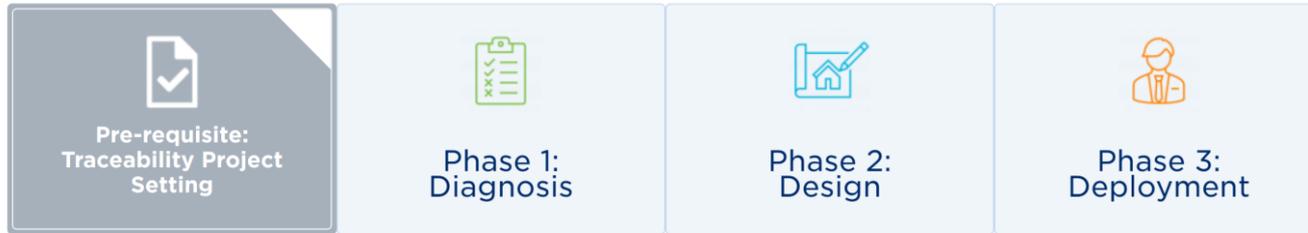


GS1 TraceWay



National GS1
Traceability
Advisory Group

- Is an interactive methodology based upon a best-in-class process approach to initiate, assess, design and deploy traceability systems.
- It includes a mapping with GS1 global standards, tips for implementors as well as benefits and resources.



- Provides a Step-by-step approach to design and implement interoperable traceability systems in the supply chain.

<https://www.gs1.org/standards/traceability/traceway/tool>

When to use GS1 TraceWay?



National GS1
Traceability
Advisory Group

GS1 TraceWay can help at all stages of a traceability project in any company or sector.

It is particularly beneficial for adopting a holistic approach when designing the functionalities and components of an upcoming traceability system.



Traceability Analysis Program



National GS1
Traceability
Advisory Group

- An extension of the GS1 Traceway program
- Access available to all organisations
- The “toolkit” includes
 - Needs Analysis questionnaire
 - Traceability Self Diagnostic questionnaire
 - Business Case template



GS1 Traceway



GS1 Traceability Analysis Program



Become Involved



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Traceability
Advisory Group

Supporting Australian industry and government to enhance supply chain traceability and trade

Scan to join

