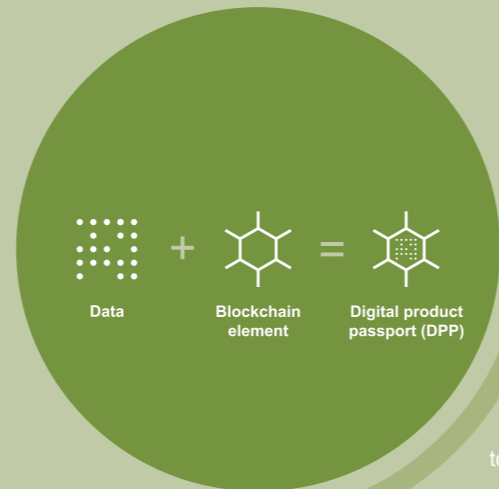


Digital product passports (DPP) can provide unique identifiers and a permanent record of the product's lifetime history and secure data exchange for all actors involved in the packaging supply chain.

## Digital Product Passport as an Enabler of Circularity



## HOW IT WORKS



When a material supplier sends a request to adapa Everload, a blockchain element is created and a set of unique identifier is sent to the supplier. DPP and the physical packaging production happen in parallel.



Introducing adapa Everload

## State-of-the-art packaging for data traceability and material circularity



## Experience adapa Everload Now:

1

Scan to access adapa Everload webapp



adapa Everload webapp

2

Use Everload webapp to scan one of the following dot code



Coffee sample



Cheese sample

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## Spectrum of opportunities

Benefits of traceable packaging for all stakeholders



### FOR CONSUMERS

- Buy better products by comparing products based on performance, quality and environmental impact
- Keep products longer and help extend the product lifetime by having access to proper recycling and reuse information
- Feel secure when buying recycled products through having access to a product's history during purchases



### FOR REMANUFACTURERS

- Easy access to material components information
- Achieve a transparent manufacturing process and guarantee high-quality products for customers
- Sort products based on how much the product has been used
- Get stats on carbon footprint and know how much emissions have been saved



### FOR RECYCLERS

- Optimize the material recycling process and avoid the downgrading of resources
- Improve sorting process, separate products appropriately and identify hazardous materials
- Ease access to information about parts and components
- Get stats on recycling and trace processes which can be relayed to customers



### FOR REGULATORS & AUTHORITIES

- Improve national statistics regarding the plastic packaging waste
- Enhance the efficiency of monitoring whether companies are complying with laws and regulations
- Adjust the responsibilities of producers regarding the regulations for different types of products

## Spectrum of opportunities

Benefits of traceable packaging for all stakeholders



### FOR PRODUCERS

- Tell every product's story of where the product has been, how it has been made, and how they are being used
- Collect information from suppliers more easily and monitor the supply chain
- Develop more optimized and sustainable products by utilizing more specific, reliable product data
- Make logistics tighter, improve the handling process more efficient, and cut costs
- Gain a competitive advantage by comparing product's environmental impact and differentiating sustainably manufactured products from the competition
- Make recalls easier through a direct notification system
- Get everyone on board internally with increased transparency about sustainability within companies and helps create a shared vision



### FOR RETAILERS



### FOR PURCHASING/ PROCUREMENT

- Access data about sustainability and compare the environmental impact and social conditions of different products
- Monitor inventory more accurately and track purchased products used or stored in the company
- Streamline sales processes and enable demand predictions
- Expand reuse and improve recycling
- Get everyone on board internally with increased transparency about sustainability within companies



### FOR CERTIFIERS

- Collect data more easily and get more trustworthy data
- Provide a better overview of product certification to purchasers and consumers