

DIGITAL PRODUCT PASSPORT (DPP) FOR THE FURNITURE INDUSTRY

Project Nordic Blockchain Alliance

Erik Lundh, Interior Cluster Sweden

Niklas Malmros Sigmatechnology

NORDIC
BLOCKCHAIN
ALLIANCE





Leading designers and artists
Limited editions
Visual quality
Local subcontractors
Contemporary classics

KÄLLEMO





- Europe is at the beginning of its transformation to a more circular economy and aims to become the world's most sustainable region. Digital Product Passports is included in a new EU framework as part of the EU Green Deal

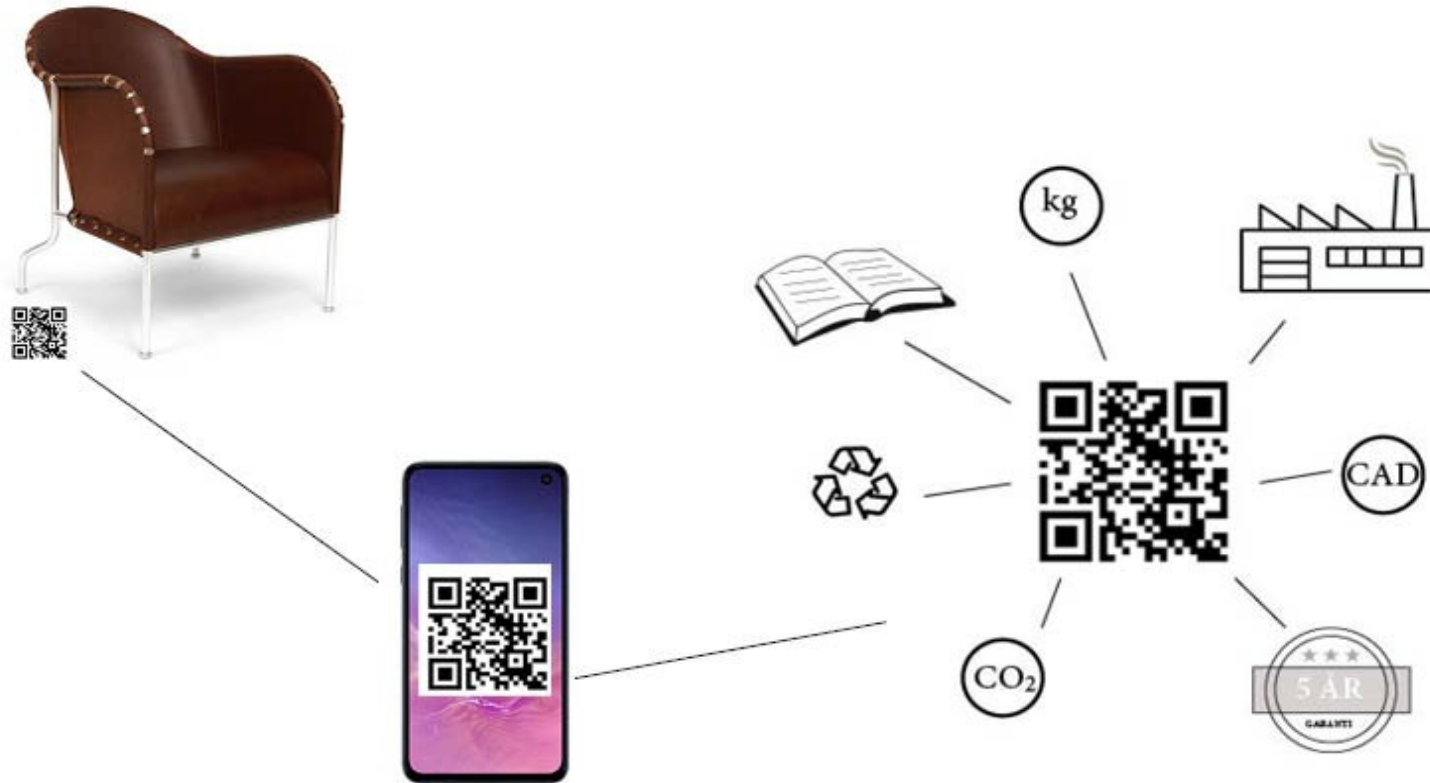
EU PROPOSAL FOR CONTENT OF DPP (selection)

- List of materials and quantities in the product
- Recycled material
- Chemicals
- Legislation and standards
- Life expectancy of the product
- Testing, instructions, disassembly, maintenance, repair or reassembly
- Information about the product's environmental and/or carbon footprint or other relevant sustainability features
- Social conditions along the value chain
- Information about the origin of the product components
- Information on how the product should be recycled and/or handled end of life

CHALLENGES FOR SME

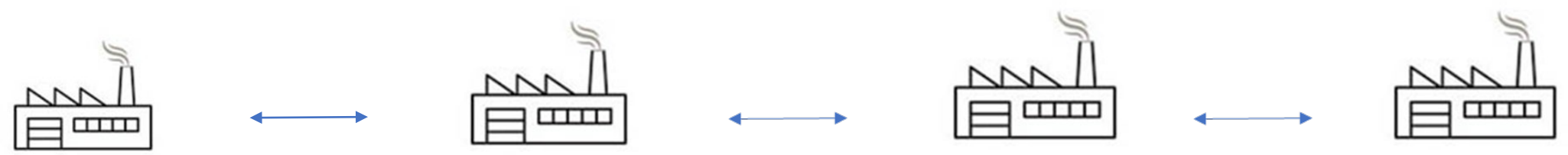
- Many furniture companies work with small series and craftsmanship.
- The small and medium furniture industry has a low digital structure.
- How do we find relevant data in the value chain
- Need to know – nice to know!

DIGITAL PRODUCT PASSPORT CASE EASY CHAIR "BRUNO" FROM KÄLLEMO



(Möbelriksdagen Tibro 28-29 September)

Producer – first supplier – second supplier - raw material manufacturer - raw material
What is relevant to bring in the DPP?



Need to know – nice to know!

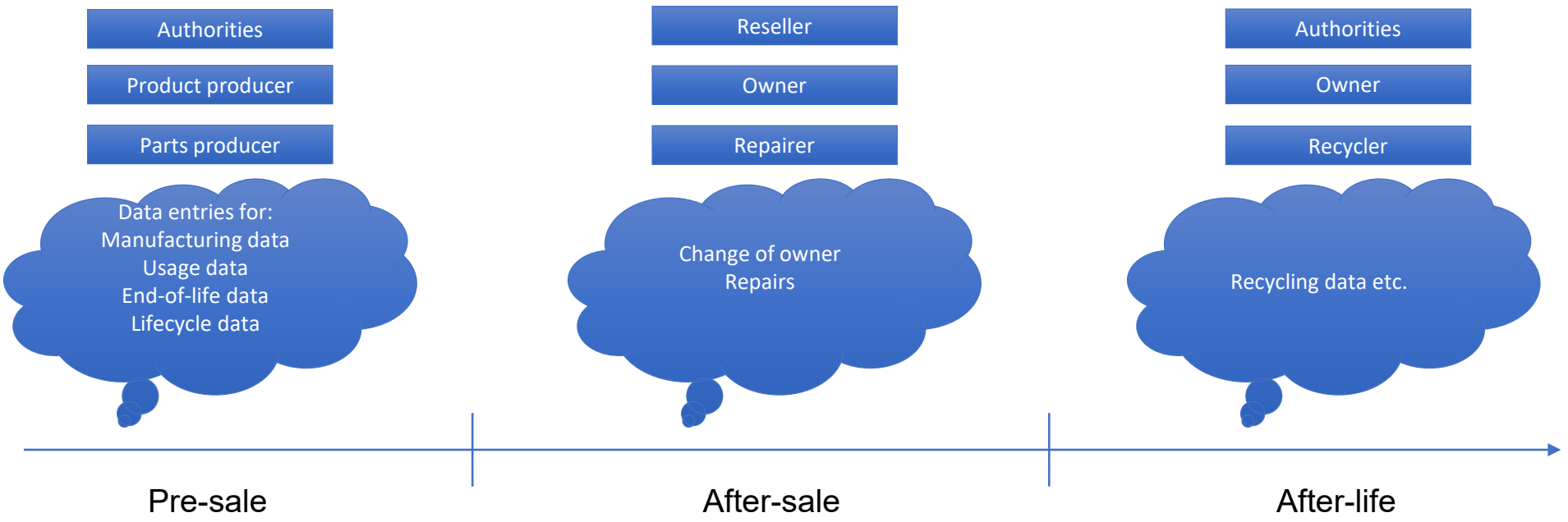


Manufacturing data				
Product composition	Country of origin	Manufacturer	Adaptation	Extras/links to information etc.
Steel 19 x 2 mm	Sweden	SSAB	Sweden	20% recycled steel https://www.ssab.com/sv-se/ssab-koncern/hallbarhet/hallbarhetsomraden/miljo Co2 impact ?
Leather	Sweden	Tärnsjö garveri	Sweden	Full traceability https://tarnsjogarveri.com/sv/environment/
Plywood	Europe	Garnica?	Sweden	15mm https://ceos.se/pub/media/pdf/Efficiency_poppelplywood.pdf https://ceos.se/miljo-och-hallbarhet.html
Cold cured foam	Norway	Sandella Fabrikken AS	Sweden	https://www.sandella.no/files/2015/09/product-information-data-sheet-sandella-2015_0024.pdf https://www.sandella.no/files/2021/02/sertifikat_engelsk-2020_2cff.pdf
Linen fabric	Latvia		Sweden	100 % linen Nitrogen coloring-Directive 2002/61/CE, 2003/3CE E 2004/21/CE-Free carcinogenic mutageni or toxic coloring for the procreation-Free PH-ISO 33071
Plastic	Sweden		Sweden	
Pop rivets	Italy		Sweden	
Assembly	N/A	N/A	Sweden	Assembly by Källemo
Manufacturing process	Manufacturer		Place & Date	
Bruno Chair	Källemo		Värnamo, Sweden 2022	
Physical & chemical properties	Sandella – REACH?		TBD	
Chrome plating	Sweden	Cromjänst AB	Sweden	Kvalitet och Miljö - Cromtjänst AB (cromtjanst.se)
Performance & durability	Reference to:			
	<ul style="list-style-type: none"> • SP Report "Provning av Bruno fätölj". • SAS Flammability Test Report. • FIRA Technical report & others 			
Usage data				
Damages	TBD		TBD	
Adjustments	TBD		TBD	
End-Of-Life data				
Recycling methods	Local sorting guide. Possibility of repair. For info www.kallemo.se			
Lifecycle data				
Storage & usage	The document "Goda råd är inte alltid dyra – Hur man bäst sköter sin Bruno fätölj".			
Social life-cycle assessment	The documents "Miljöpolicy" and "Arbetsmiljöpolicy".			

FUTURE WITH DPP

- **Competitive advantage compared to imported products (not an administrative burden)**
- **Benefit for EU companies**
- **For success with DPP higher demands towards subcontractors during the entire supply chain is needed**
- **The NBA project will hopefully guide the furniture industry towards a future DPP.**

The digital product passport lifecycle



What can I do now?

- How can I make my product digital?
- How to involve suppliers? Delegate? You want as much content as possible be created at the source.
- Structure your data. You need to have as small pieces as necessary and as big as possible. Different target groups requires different data. Make a Information and target group analysis to be able to automate as much as possible.

THANKS

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