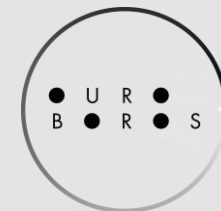




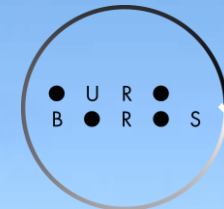
Hvordan skaber vi forretning i genanvendelse af plast?



Mindset & Design + Indkøb + Sortering + Nye roller

Mindset

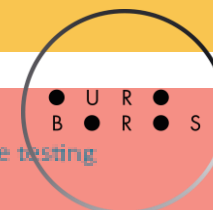




- Gå ind i fremtiden for at ændre noget – udgangspunktet for al innovation
- Lev med ikke at vi ikke har svarene på alle ting – gå åbent ind i det.
- CE er en del af fremtiden – vælg at blive en del af det
- Hvad skal der til af partnerskaber og samarbejder?



Design



	YES Full compatibility Materials that passed the testing protocols with no negative impact OR materials that have not been tested (yet), but are known to be acceptable for recycling	CONDITIONAL Limited compatibility Materials that passed the testing protocols if certain conditions are met OR materials that have not been tested (yet), but pose a low risk of interfering with PET recycling	NO Low compatibility Materials that failed the testing protocols OR materials that have not been tested (yet), but pose a high risk of interfering with PET recycling
Container	PET		PLA; PVC; PS; PETG
Colours	transparent; light colours	transparent; dark colours	opaque; metallic
Barrier	SiOx coating; carbon plasma coating; PA multilayer with no tie layers; PTN alloy	EVOH multilayer with <3 wt%; EVOH and no tie layers; PA multilayer with tie layer; monolayer PET blend; PGA multilayer	EVOH multilayer with >3 wt% EVOH or tie layers
Additives		UV stabilisers; Anti-blockers; optical brighteners; oxygen scavengers	bio-/oxo-/photodegradable additives; nanocomposites
Closure Systems	PE; PP (all with density <1 g/cm ³)		materials with density >1 g/cm ³ (e.g. highly filled PE, metals); non-detaching or welded closures
Liners, seals and Valves	PE; PE + EVA; PP; foamed PET (all with density <1 g/cm ³)	silicone with density <0.5 g/cm ³	materials with density >1 g/cm ³ (e.g. PVC, silicone, metal)
Labels	PE; PP; OPP; EPS; foamed PET or PETG (all with density <1 g/cm ³)	lightly metallised labels (density <1 g/cm ³); paper	materials with density >1 g/cm ³ (e.g. PVC; PS; PET; PETG; PLA); metallised materials; non-detaching or welded labels
Sleeves	Partial bottle coverage in PE; PP; OPP; EPS; foamed PET or PETG (all with density <1 g/cm ³)	sleeves transparent for IR detection in PE; PP; OPP; EPS; foamed PET or PETG (all with density <1 g/cm ³)	materials with density >1 g/cm ³ (e.g. PVC; PS; PET; PETG); metallised materials; heavily inked sleeves; full body sleeves
Tamper Evidence Wrap	PE; PP; OPP; EPS; foamed PET or PETG (all with density <1 g/cm ³)		materials with density >1 g/cm ³ ; (e.g. metal; PVC; PS; PET; PETG); metallised materials
Adhesives	water or alkali soluble in 60-80 °C	hot melt pressure-sensitive labels	
Inks	non-toxic; follow EUPIA Guidelines		inks that bleed; toxic or hazardous inks
Direct Printing	laser marked	production or expiry date	any other direct printing
Other Components	base cup, handles or other components which are separated by grinding & float / sink (all with density <1 g/cm ³); PET		materials with density >1 g/cm ³ (e.g. metal, RFID tags); non-detaching or welded components

Specifikke

guidelines

• Plastic Recyclers Europe

• EU: Eco-design kriterier

• Cirkulære designguides



Indkøb

Fælles regionalt udbud

Mindstekrav

- PP eller HPDE
- Tydelig mærkning med genanvendelse af polymere

Konkurrenceparametre

- Point tildelt ift. specifikke dokumenterede løsninger på komponentniveau
- Genanvendelseskrav vægtede 5 %

Resultat

- Fik reel indflydelse på valg af leverandør
- Dårligste score er ikke længere på det danske marked
- Ingen fik mere end 50% af de mulige point - det er nyt for alle.



Sortering

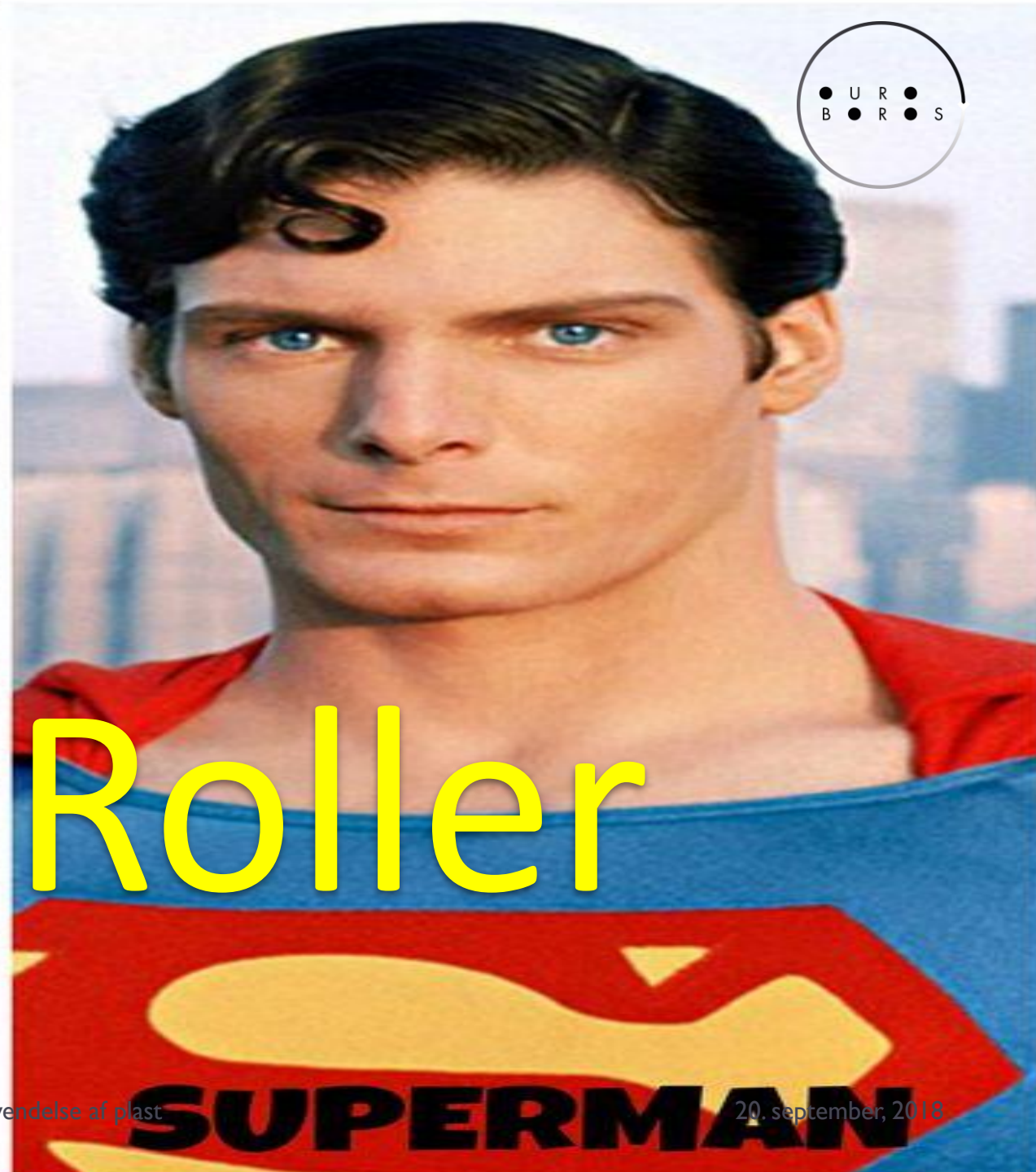


Kildesortering og finsortering

- Tyskland
- Holland
- Oslo
- CLEAN's kommende anlæg



CLARK KENT



(Nye) Roller

Forretning i genanvendelse af plast

20. september, 2018



Joint venture Suez & Lyondellbasell

Kontrol over input og output
– ejer værdiforøgelsen

QUALITY
CIRCULAR
POLYMERS

Tak for jeres tid

The Scottish Isle of Eigg



“You never change things by fighting the existing reality.
To change something, build a new model that
makes the existing model obsolete.”

- Buckminster Fuller
Forretning i genanvendelse af plast