.RawAssembly.
Australia’s first sustainable textile sourcing event

“Redefining the trade fair experience”
Melbourne October 2019

- Innovation space
- Growers
- Fabric showcase – Mills
- Exhibitors
- New Relationship building

RAWASSEMBLY.
Sourcing for synergy, how the perspectives of brands is changing the sourcing landscape
A move from a linear system to a circular system

- What that means
- What’s happening
- What that means to us as an industry

- Designing out waste (redefining waste)
- Keeping materials in use & at their highest value as long as possible
- New business disruptive models

.RAWASSEMBLY.
A move from a linear system to a circular system

- What that means
- What’s happening
- What that means to us as an industry
- Designing out waste (redefining waste) & pollution
- Keeping materials at their highest value as long as possible
- New business models

1. REUSE
2. RENTAL/ SUBSCRIPTION
3. REMANUFACTURE
4. REGENERATION OF FIBRES

RAWASSEMBLY.
Diverse fibre portfolios and simplified blends

- Purer Fibres
- Simplified Blends
- Recycled Cotton GRS, BCI & Organic Cotton, Recycled Wool GRS, Non Mulesed wool RWS, Cellulose and Synthetics

Cotton
- Global brands moving from BCI into Organic
- Smaller brands are chasing Organic due to easier access
- Brands looking into C/O
- Traceability and transparency key conversation
• Innovation & sustainable sourcing at scale aimed to be implemented within the next five years
• Speed and flexability
• Partnerships with regenerative & hollistic farming practices
• 45 percent of apparel companies surveyed by McKinsey are looking to integrate more innovative bio-based materials
• Set to see 9x more fibre innovations patent applications in 2019 as we did in 2013
• More plant based materials being adopted
• Non Mulesed wool + RWS

• Increasing the use of BCI cotton + a move from BCI to Organic cotton
• Rediscovery, re-engineered ancient fibres, such as linen, ramies and hemp
• Cotton becomes an important feedstock for cellulose production
• Deman driven sourcing models – change the ownership of materials
TeeMill - An Open Access Circular Supply chain for fashion
Real-time manufacturing eliminates overproduction

- Less than 1% of materials used to produce clothing are recycled into new clothing.
- TeeMill have developed a circular production process that turns old t-shirts into new ones.
- Products are made to order and shipped within 24 hours.
- All products are designed to be remade when worn out and sent back.
- Scanning a QR code in the washcare label generates a free postal label, allowing the product to be returned free of charge.
PURE WASTE
100% Recycled Materials

- Textile waste left over from Clothing manufacture (pre consumer waste)
- Sort waste, refiber and spin into a new yarn
- Allows production of fabrics without dyeing and without virgin cotton being added
- They then produce garments for brands or their own brand.
- Based in Europe
The New Denim Project
Guatemala

• Up cycled Cotton fabrics - Mill
• Collecting pre-consumer denim off-cuts from jeans manufacturers’ cutting tables
• Grounding these scraps back into fiber to spin once again into new yarns and weave fresh up cycled fabrics.
• No synthetic fibers during our technical up cycling process — making our yarns and fabrics 100% natural and compostable or future feedstock
• Their own waste from their up cycling process is passed on to coffee farmers to use as compost to grow specialty coffee in the highlands of Guatemala

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Reverse Resources
Software platform to map and trace textile leftovers from fabric and garment production

- They connect fashion brands, suppliers, traders and recyclers into a central online platform to build data intelligence
- Creates a digital market place
- Visibility and traceability of production leftovers
- Helps avoid deadstock and landfill
- Garment suppliers can get requests from recyclers directly
- They have live market insight which leftovers are available globally and what they contain.
- Get proof of origin documentation along with your delivery

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Circular Footwear
Subscription – Made to be remade

- The Futurecraft shoe could usher in a era of shoe subscriptions
- Consumers have unpended the traditional production model. The Internet and social media has created a buy now model.
- Mono Material
- 100% Thermoplastic Polyurethane (TPU)
- 100% Recyclable
- Robotic flexibility offers the possibility that every pair could be tailored to taste & fit
- PrimeKnit seamlessly knitted. Manufactured & assembly simultaneously. constructed simultaneously
- Investing in material ownership, innovative machinery.
- Demand Driven product.
- Consumer becomes part owner of the product via the subscription service.

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Infinity Jacket
Subscription – Designed to be sent back

- Brand owns the materials for life
- Infinity is built using one material – Mono Material (including all sundries)
- Ingredient: Econyl, Nylon 6
- Allowing easier regeneration

- Take Back
- Uses a digital take-back program where the jacket can be returned and recycled
- To encourage mindful consumption, consumers can only return their jacket after 2 years (hopefully longer still)
- Customers receive a 100 Euro voucher to purchase their next items after this is returned
Bergan & SPINNOVA
Sustainable partnerships – Co-Labs

• Collecting for tomorrow
• Bergen have created a subscription based take back project
• Close partnership with the Mill to be able to regenerate their products after use
• Ingredient: Paper grade pulp from FSC forests - could be any cellulose product
• The fibre quickly biodegrades and sheds no micro plastics.
• fibre is not yet strong enough for other products - blended with Lyocell, lambs wool & wood
• No coating chemicals are used, not plastics or metals are added

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SPINNOVA

Spinnova is a Finnish, sustainable fibre company that develops ecological breakthrough technology for manufacturing cellulose-based textile fibre. Spinnova’s patented technology includes 0% harmful chemicals and 0% waste or side streams, making the fibre and the production method the most sustainable in the world. Spinnova’s raw material commitment is to only use FSC certified wood or waste streams. Spinnova’s objective is to globally commercialize the fibre products in direct collaboration with major textile brands.

— THIS IS THE —

COLLECTION OF TOMORROW

— RAWASSEMBLY —
Thea Speechley
RawAssembly
Email: thea@rawassembly.com
Tel: +61 (0) 457662423