











## **ExtileExchange** Sustainability Conference

# **Textiles - A Circular Life**

October 5-8, 2015 ~ Mumbai, India









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Forest Stewardship Council® Forum for the Future Fusion Clothing Company Get Changed! Girdhar Enterprises **GIST** Advisorv Global Organic Textile Standard (GOTS) G-Star RAW H&M H&M Conscious Foundation H&M Hennes & Mauritz HEI VETAS Helvetas Fairtrade **HELVETAS Swiss Intercooperation** Hemp Fortex Industries Ltd. **HERD** Foundation Hilaturas Ferre/Recover Himalayan Wild Fibers Hohenstein India Hohenstein Institute Hohenstein Institute America Horus Socc ICEA Indian Inc Inditex INTERNATIONAL TEXTILE MARKET Ishika Exports ITOCHU CORPORATION Jaydurga Ginning Mills Jockev Far East Limited Jockey International, Inc. Joy of Life Kering KnowledgecottonApparel Kowa Kowa India pvt Ltd kurkku KUYICHI Lenzing AG Lenzing Fibers Loomstate Luminous Energy Ltd MADE-BY Madura Fashion & Lifestyle MADURA GARMENTS Maharudra Agriculture Research

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I TD SafeCity Seed to Self Self Reliant Initiatives through Joint Action (SRIJAN) SIGHTMODE Ltd. SKUNKFUNK Society of Dyers and Colourists Solidaridad Sourcing Sustainably SPECTRUM INTERNATIONAL PVT. LTD. Sree Santhosh Garments Srijan STAC Enterprise Pvt Ltd Stanley & Stella SA Stichting Bangladesh Accord Foundation Strength&Wellness Suminter India Organics Limited SUSTA INABLE SPINNING AND COMMODITIES PVT LTD Sustainability Zara.com Sustainable Apparel Coalition Sustainable Textiles Solutions. DvStar Swasti Target Tchibo Tchibo GmbH Terramor Organic Home **TERSUS** Solutions Textile Exchange The Rajlakshmi Cotton Mills (P) Ltd thinkstep India (PE International) Timberland Times/Mytravelfootprints Tissa Sahel S A R L Tommy Hilfiger Europe Trucost Plc Under the Canopy | Portico USAgain Utrecht University VF Corporation VF Sourcing India Virent Welspun Global Brands Limited Woolworths World Wildlife Fund World Wildlife Fund India Xinjiang Esquel Textile Co., Ltd Yandex

ROLPDAWEL GLOBAL NETWORKS

## **Attending Companies**

#### Attending Companies .....

Plenaries.

The Big Picture/Future Cast	
China and India - Big Solutions, Progressive Ideas in the Largest Global Textile Markets	
Leading Through Action	
A Good Hard Look at the Industry	
The Environment, Climate and Agriculture	
Textiles – A Circular Life	

### Breakout Sessions:

	Integrity 101
	Integrity 101 Cotton 2040
	Harnessing the Power of Data to Sustain Growth
	How Constraints Drive Innovation
	Animal Welfare
	Cellulosic Materials
	Speed Dating
	Government Regulations
	RPET In-depth Part I
	Synthetic Biobased Materials
	Synnienc blobused Materials
	Supply Chain Mapping
	Preferred Color and Trend
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## Integrity 101

**Speakers:** Richard Cepeda, prAna; Sumit Gupta, GOTS; Lee Tyler, Textile Exchange

**Overview:** The core principal of Integrity is to tell the truth. But how does one know what the truth is? The Integrity 101 breakout session answered this question through indepth discussion around certifications and verification.

#### Verification provides:

- Real impact
- Confidence in labeling (Labeling = Making a promise to consumers)
- Back up for claims
- Protects the brand
- Reduces risk

Attendees were introduced to the fundamentals of certification, TE's Standards, the GOTS (Global Organic Textile Standard) as well as what it is like for a brand (prAna) to work with certification on a daily basis. Attendees also gained hands on experience by drawing a supply chain to identify areas of risk to chain of custody, spotting errors in a fake transaction certificate, and identifying incorrect labeling in a GOTS exercise.

To find out more about Integrity and Standards, visit: http://textileexchange.org/ standards-integrity.

"Save the world one product at a time." -Richard Cepeda, prAna





## Cotton 2040

**Speakers:** Charlene Collison, Forum for the Future; La Rhea Pepper, Textile Exchange; Liesl Truscott, Textile Exchange; Sally Uren, Forum for the Future

**Overview:** Cotton 2040 took a look at the future of cotton and discussed the need to accelerate sustainable cotton. Cotton is an integral part of our lives, but there is a lack of transparency which leads to many social, environmental and economic issues. It is estimated that sustainable cotton is only 4 percent to 10 percent of the global cotton market at the present time.

### Forum for the Future panelists identified six steps to significant change:

- 1. Need for changes
- 2. Diagnose the system
- 5. Sustain the transition6. Set the new rules of the new mainstream
- 3. Create pioneering practices
- 4. Enable the tipping point

### A few of the challenges plaguing the future of cotton, include:

- Younger generations moving to the city leaving the family farms
- Ag land being converted to urban areas
- Price challenges of organic vs. conventional
- Water scarcity

### Four areas of collaborative action were identified for creating the most change:

- 1. Building Skills
- 2. Building Demand
- 3. Building a Circular Economy for Cotton

4. Build a system of Transparency and Traceability

"The future is already here... it's just not evenly distributed." -William Gibson



## Harnessing the Power of Data to Sustain Growth

**Moderator:** Elayne Masterson, Esquel Apparel

**Speakers:** Hemant Bherwani, GIST Advisory; Ben Ramsden, Pants to Poverty; Rajesh Singh, Thinkstep

**Overview:** Attendees in this session had the opportunity to learn how big data can map a value chain and manage risk.

#### Risk types include:

- Human rights
- Environmental
- Health and Safety
- Community infrastructure
- Labor Rights

#### Some of the questions discussed were:

- How can we capture all of the data and manage and simplify it to enable informed decision-making?
- How does Big Data enable growth?
- What does is growth beyond financial?

### Core benefits of collective data management, include:

- Value Chain Mapping
- Supply Chain Integration
- PLM
- Financial Performance
- Informed decision-making



## How Constraints Drive Innovation

**Speakers:** Jacqueline Jackson, *Trucost*; Richard Kinsman, CO2Nexus, *Inc.*; Elin Larsson, *Filippa K*; Alison Ward, CottonConnect

**Overview:** Some of the solutions presented by the panel for how companies can use constraints to drive innovation include building a system of Circular Design in which fewer resources are used in the making of lifecycle of a garment and using C<sub>o</sub>2 in the

liquid state to replace water.

In the next 10 years, it is estimated that water will be a world-wide crisis. The constraints on water are scarcity and waste. It is said that the textile industry number 2 polluting industry in the world when it comes to waste water.

Elin Larrson of Filippa K shared the vision of their founder, "Inspired by my own needs and of those around me, I set out to build a brand that has substance and truth, not dependent on the superficial trends of the fashion industry." Filippa Knutsson

### What are the solutions?

AWARENESS is needed to make changes happen.

ENGAGEMENT - Dare to become more innovative.

ACKNOWLEDGE the true cost of water. VALUES drive business decisions - people do not leave their values at the door when they leave home.

"The planet is like a space ship - what we have brought on our journey is what we have."

### China and India - Big Solutions, Progressive Ideas in the Largest Global Textile Markets

**Speakers:** Shreyaskar Chaudhary, Managing Director & CEO, Pratibha Syntex; Leslie Johnston, Executive Director, C&A Foundation; Sam Moore, Managing Director, USA, Hohenstein Institute America



## Animal Welfare

**Speakers:** Madelene Ericsson, H&M; Anne Gillespie, Textile Exchange; Kjersti Kviseth, 2025design

**Overview:** Animal rights groups have been the driving force behind the development of animal fiber standards like the Responsible Down Standard (RDS). With the foundational understanding that all living beings have their own inherent value and are not commodities, we as an industry must be committed to transparency and traceability to ensure that these animals are not mistreated.

With regards to Down, the global standards currently being used are the Traceable Down Standard and Textile Exchange's RDS. To find out more about the RDS, visit the consumer site at http:// ResponsibleDown.org.

Textile Exchange is in the second year of developing the Responsible Wool Standard (RWS) with an International Working Group (IWG). The RWS will include guidelines such as Carrying Capacity, Soil Management, Nutrition Management, and Pesticide Use.

After discussing the benefits and risks of using animal fibers, the attendees in this session were challenged to write an animal welfare statement and policy and ensure that all operating procedures align to meet the policy.





## Cellulosic Materials

**Moderator:** Karla Magruder, Fabrikology **Speakers:** Amanda Carr, Canopy; Lafcadio Cortesi, Rainforest Action Network; Krishna Manda, Lenzing; Sandeep Theng, FSC; Shona Quinn, Eileen Fisher; Manohar Samuel, Birla Cellulose - Aditya Birla

**Overview:** Manmade Cellulosic Fibers are derived from cellulosic material such as cotton linter, tree pulp and bamboo. It is dissolved in a solvent, run through a

spinneret and then through a coagulation bath to form fibers.

Shona with Eileen Fisher pointed out three key issues with man-made cellulosics: Traceability, Innovation, Forest Conservation

### **Overall Notes:**

- FSC current standard only covers pulp, however there are steps in the supply chain that are not transparent. This is necessary so that companies do not use pulp from old growth forests or from contested land.
- Lenzing and Birla both use certified or controlled resources.
- 70-100 million trees are cut annually for fiber and materials
  according to Canopy.

• 50 percent of the viscose supply chain have wood sourcing policies in place.

### Top reasons to seek certification:

- Raise standards
- Create business benefits
- Connect with consumers
- Fight climate change
- Get ahead of government requirements
- Benefits both business and forest

"You can't solve issues without acknowledging that there is an issue."

## Speed Dating

"Speed Dating" was a buyer/seller networking session that allowed time for buyers and sellers to meet face-to-face.



## Government Regulations

**Moderator:** Adam Mott, VF Corporation **Speakers:** Dr. Johann Hesse, Delegation of the European Union to India; Siddhartha Rajagopal, The Cotton Textiles Export Promotion Council (TEXPROCIL); Debra Tan, China Water Risk

**Overview:** The speakers for the breakout session on Government regulations focused on future regulations from China, India, and the European Union respectively that will

affect the textile supply chain. Some of the points made by each, include:

#### China:

- 34 percent of China's sower area is in a water scarce region.
- Finding the optimum water balance between agriculture and industry is a challenge.
- Industries in China are focusing on converting from linear to circular economies.

#### India:

• The textile industry in the second largest employer with a market

size of \$115B in 2014 and an expected \$350B by 2024.

Current regulations include:

- Standards and labels for consumer protection.
- Laws against hazardous chemical use.

#### **European Union**:

• Regulations focus on responsible apparel supply chains (safety, living wages, no child labor, and environmental impacts).

• Support for international policy dialog to stimulate the private sector on policy level initiatives.









### Plenary: Leading Through Action

Speaker: La Rhea Pepper, Managing Director, Textile Exchange

### Plenary: A Good Hard Look at the Industry

Speaker: Helen Crowley, Head of Sustainable Sourcing Innovation, Kering



### RPET In-depth Part I

**Speakers:** Paolo Foglia, ICEA; Ashley Gill, Textile Exchange; Balagurunathan Srinivasan, Anandi Enterprises

**Overview:** Over the last several years, there has been an increase in the pace of consumption, and the pace of recycling must keep up. This breakout session opened with clarifying what the term "recycled" really means in comparison with other similar terms that are often used interchangeably. Recycle is to reprocess an item. For example, a recycled cotton shirt will have the fibers "opened" to be spun again and used to make a new item. Reuse is to use the same item but in a different way. For example, using an old subway car as a bridge. The structure of the

subway car is unchanged, but it is being used for a new purpose. Upcycle is similar to "reuse," it involves making something of new, higher quality product out of an older item. For example, taking an old sign and turning it into a table. Downcycle is also similar to "reuse," but involves making something of lesser quality. For example, cutting up old shirts to be used as painting rags.

There are presently five industry standards on recycled materials:

- RIOS (paper, metal, plastics, rubber, glass, and textiles)
- Taiwan Greenmark
- SCS Recycled Content
- RCS (TE's Recycled Content Standard)
- GRS (TE's Global Recycled Standard)

The most used feedstock (or source material) for RPET is post-consumer plastic bottles, frequently used for water. Water bottle consumption is at an all time high, but there are still may countries that do not have recycling programs which means most of this waste goes into the landfills instead of recycling facilities. The speakers discussed some of the challenges with recycled polyester being weaker fibers than virgin polyester and the fact that 20 to 30 percent of the plastic is lost during the recycling process. Technology has enabled many of these challenges to be overcome. Nearly 50 percent of all plastic in the EU goes to landfill, most of it is packaging. In an LCA conducted by ICEA, recycling PET resulted in less potential for contributing to global warming, lower consumption of energy, and other indicators when compared to the process of virgin PET production.



### Synthetic Biobased Materials

**Moderator:** Sophie Mather, biov8tion **Speakers:** Vijay Garg, Reliance Industries Ltd.; Ralph Lerner, Virent; Gowri S. Nagarajan, DuPont

**Overview:** Sophie Mather, moderator for the session, started by setting the scene with an overview of today's biobased textiles landscape.

Following this, Ralph Lerner from Virent

provided insights into feedstock production for biobased materials. Virent has a bio-based aromatics process that can produce key raw materials for bio-fibers which have demonstrated good results at both pilot and demo scale. LCA studies showing significant reductions in GHG emissions have been carried out by Life Cycle Associates. Building on the demonstrated success of the Coke plant bottles plans for scaling up the production of Bio-PX are underway. Deepening the focus on the feedstock production, Gowri Nagarajan from DuPont shared an overview of the production of Sorona and DuPonts work with biobased materials. Focusing in on the partnerships needed for commercialisation highlighted by Gowri, Vijay Garg from Reliance shared the experience of Reliance in creating yarn,

> fabrics and finished goods from biobased feedstock focusing on the experiences of the collaboration between DuPont and Reliance to create a PTT based saree fabric.

The panel discussion was followed by a Q&A session taking in a broad range of topics ranging from pricing and integrity to the future of biobased inputs in textiles. With bio based fibres now included in the TE material strategy, it was promising to close the session with positive feedback from the participants to an industry working group intended to elevate the learnings and cross collaborations with the textile industry.



## Supply Chain Mapping

**Speakers:** Joerg Diekmann, Hohenstein/ OEKO-TEX®; Dhawal Mane, Pratibha Syntex; Sanjeev Pandey, Welspun India Ltd.; Christina Raab, Made-by

**Overview:** This session provided attendees with guidelines on mapping their supply chains. According to speaker Christina Raab, 60% of environmental and social impacts are up stream and are often out of sight.



Brands and companies will have to respond to Transparency and supply chain mapping is one strategy to achieve this.

### The benefits of successful supply chain mapping can include:

- Building trust with suppliers creating a stable supplier base.
- Developing a business case and demonstrating a value-add for suppliers.
- Risk Management.

### The audience was given the opportunity to join in a mapping exercise that walked them through the steps of:

- How to draw a supply chain map?
- Why do you want to map a supply chain?
- Who/What do you need to create the supply chain map?

"Why do we need a reason to do good?" - Dhawal Mane, Pratibha Syntex



## Preferred Color and Trend

**Moderator:** Marci Zaroff, Portico **Speakers:** Prasad Joshi, Archroma; Sambanthan Shanmugam, Novozymes; Ruth Hsia Isenstadt, Eileen Fisher; and Sarah Hayes, Patagonia

**Overview:** Preferred color needs to be on trend. Attendees in the session learned how color and sustainability intersect and how to incorporate trending colors while meeting RSL and sustainability goals.

The important factors of any garment are style, quality, fit and color. Preferred colors sometimes poses a challenge because the fastness criteria is not the same for conventional and natural dyes. Having a chemist on the design team is best for a better understanding of limitations where material and color selections are concerned.

This session featured designers from leading brands Eileen Fisher and Patagonia, sharing their company's color needs, desires, processes and perspectives. Next, speakers from Archroma and Novozymes discussed preferred and innovative methods of sustainable dyeing that use waste materials and/or less water and energy.



# Plenary: The Environment, Climate and Agriculture

Moderator: Elissa Loughman, Manager of Product Responsibility, Patagonia Speakers: Arun Ambatipudi, Chief Executive, Chetna Organic; Sally Uren, CEO, Forum for the Future



## Social Integrity Session

**Moderator:** Amy Hall, Eileen Fisher **Speakers:** Andrea Bergstrom, HERproject; Mark Chubb, Alliance for Bangladesh Worker Safety; Joseph Julian Kalathiparambil, Swasti Health Resource Center; Rob Wayss, The Bangladesh Accord on Fire and Building Safety

**Overview:** In recent years, tragic events involving textile factories have caught the eye of media and have forced the textile

industry to acknowledge the need to protect and empower workers in their own supply chains. The speakers for this session are involved in projects to do just that.

The areas of focus for these organizations, include: worker health, education, safety, economy, and environment. By investing in and providing specific trainings, factories benefit by an improvement in the workers health and efficiency.

Perhaps the most notable incident that has brought about the awareness of a need for change is the Rana Plaza collapse in 2013,

which killed over 1,000 people. From this tragedy, the Bangladesh Accord on Fire and Building Safety and the Alliance for Bangladesh Worker Safety were respectively formed to build a safe and healthy garment industry in Bangladesh.



## RPET In-depth Part II

**Moderator:** Karla Magruder, Fabrikology International

**Speakers:** Makarand Kulkarni, Polygenta; Fanny Liao, Far Eastern; Maria Vlahos, prAna

**Overview:** There are multiple forms of RPET Recycling. B2B (bottle to bottle) recycling takes used plastic bottles and recycles them into PET again suitable for bottles. B2F (bottle to fiber) recycling takes used plastic bottles and recycles the PET into a form suitable for

fiber production. Chemical recycling is usually required to get quality similar to virgin PET. Even with chemical recycling, which is the most intensive, there are reductions in energy consumption and reductions in CO2 emissions. If chemical recycling is not used, there may be reductions in quality and require some adjustments to processing. For example, RPET from a less intensive recycling process may be more yellow or may be more stiff and require more finishing. However, in some cases, the opposite is true. Some RPET requires shorter dyeing times, even at the same temperature.

There has been so much improvement in the quality of RPET has meant that companies are able to incorporate more and more RPET



in their products. There remain some price differences but this can be overcome by altering designs to create more interest with simple fabric.

## Strengthening Integrity in India

**Moderator:** La Rhea Pepper, Textile Exchange

**Speakers:** Binay Choudhury, Control Union; Helmut Haelker, *Remei*; David Millar, C&A; Mahesh Ramakrishnan, *Arvind Ltd*.

**Overview:** This session took a look at ISOT Certification and supply chain integrity within India. One of the hot topics was availability of non-GMO seed in India. While the seed is available, it is difficult to find and often not of good quality.

#### Possible solutions discussed include:

- Testing at the farm gate level.
- Engagement with government.
- Investment in seed research.



## Waste as Raw Material

**Moderator:** Nicole Bassett, prAna **Speakers:** Michael Kininmonth, Lenzing; Rahul Mahajan, Spartan Trends; Scott Miller, Sustainable Apparel Coalition; Isaac Nichelson, Recovertex

**Overview:** Today 80 percent of waste from the apparel and footwear industries goes to the landfill. With the challenges involved in recycling blended materials, it is critical that waste be a consideration in the design stage.

The drive for innovation is coming from the supply chain. To reduce the amount of waste that goes to the landfill, the following next steps need to happen:

- Creation of clear goals.
- Government support.
- Engaging all stakeholders.
- Collective focus across the industry is a must!

For definitions involving waste terms, visit www.revolvewaste.com/ vocabulary.





### Plenary: Textiles - A Circular Life

Speaker: Jason Clay, Senior Vice President, World Wildlife Fund



### **ORGANIC COTTON ROUND TABLE 2015 – NEW IDEAS DRIVE PROGRESS**

Almost 200 producers, manufacturers, brands, retailers, and support organizations came together in Mumbai to share news and views on organic cotton. The sheer size of the gathering and the energy on the day left no doubt in our minds that the desire to grow a robust and resilient organic cotton market is greater than ever. It was pleasing to see the value the OCRT provides the community.

"Having so many stakeholders from across the supply chain together in one place is what makes the OCRT so unique, and the perfect opportunity for inspiring change and collective action," Lisa Emberson, OCRT Coordinator.

#### **MORNING ADDRESSES – VISIONS FOR SUCCESS**

The day flowed smoothly, with Simon Cooper, Partner in Change Agency, acting as OCRT Master of Ceremonies. We opened with two morning addresses. First, Punit Lalbhai, Executive Director at Arvind, shared his vision for success, followed by Sally Uren, CEO at Forum for the Future, who got us thinking systematically and collaboratively about creating a better future.

#### PANEL DISCUSSION - INVESTMENTS LONG ESTABLISHED AND NEW

Then followed a Q&A with experts and investors, who excited us with news of recent investment in organic cotton from India to Pakistan to China. Alongside the new investors were pioneers in organic from Helvetas and bioRe, who continue to show us how innovation goes hand-in-hand with bold and visionary "early adoption" of ideas.

#### **OPEN SPACE – OPENING UP FOR LEARNING AND REFLECTION**

The ethos of the OCRT is to allow as much self-organized learning as possible. This years' "Open Space" provided a "marketplace of enquiry, reflection and learning, to bring out the best of both individuals and the whole."

Topics under discussion included: Tackling the roots of integrity issues, Examining the business case for producers, Market movements and opportunities, and he new Sustainable Development Goals.

#### EAT AND GREET - 14 COURSES OF DISCUSSION FOR LUNCH

Lunchtime's "Eat & Greet" provided an extensive menu of topics (15 in all). "Diners" were encouraged to graze lightly across the suite of offerings or dig in heartily where appetite dictated!

### TASK FORCE BREAKTHROUGH MEETINGS - SEED, BUSINESS MODELS & CONSUMER ENGAGEMENT

After lunch, the three task force "breakthrough" meetings were run concurrently. The OCRT's longstanding task forces on Seed and Soils, Business Models, and Consumer Engagement have steadily been building over time. Task force meetings allowed for strategic conversations to take place, which help each task forces advisory group plan and prioritize action.

#### **INNOVATION LAB – NEW THINKING WINS AWARDS**

The finale of the day was the launch of the new Innovation Lab, developed in collaboration with Change Agency and sponsored by Luminous Energy. Eight shortlisted applicants pitched their ideas and the winning proposal, as decided by our judging panel (or "Dragons" for anyone familiar with the TV show "Dragons Den"!), received the OCRT Innovation Award 2015 along with a cash prize of \$3,000 to put towards their project or donate to a favorite cause. Congratulations to all finalists, our runner-up Sreeranga Rajan from Dibella and our winner Avinash Karmarkar from Pratibha! A deeper digest is provided in the OCRT Summary report, which can be accessed here.



### **TextileExchange** Organic Cotton Round Table

### Platform for Collective Action & Incubator for Great Ideas

A **HUGE** thank you to all thought-starters, task force leaders, judging panelists, OCRT partners, supporters, and friends: Thanks to you "The Whole of the OCRT was Greater than the Sum of its Parts."

### FULL OCRT HIGHLIGHTS, IN BOTH ANIMATION AND REPORT FORMAT, CAN BE ACCESSED HERE!

### WHAT PEOPLE SAID ABOUT THE OCRT...

"Just want to say thanks for a fantastic OCRT. I really enjoyed being part of it! Maeve Wadge, Director, Sourcing Sustainably

"It was a pleasure meeting you at the OCRT, Textile Exchange. It was one of the better-managed events I have attended." Yogesh Gaikwad, Business Manager, Society of Dyers and Colorists

"I want to take this opportunity to thank you from the bottom of my heart, to express my gratitude for the kind of platform that TE has offered. I have made many friends as a result of the program. Overall, the event was a grand success that allowed the participants to have their say and contribute to issues that really matter for the whole sustainability movement." **Mani Chinnaswamy, Managing Partner, Appachi Eco-Logic** 

















Thank you to our Fashion Show sponsor, **Pratibha Syntex**, for making this night possible!

















### Flavours of India

Thank you to our Flavours of India sponsor, **Pratibha Syntex**, for making this night possible!







## Thank you to our esteemed panel of speakers!



Arun



Jason Clay



Ashley Gill



Julian Kalathiparambil

22•





Bassett

Charlene

Collison

Anne

Gillespie

Michael

Kininmonth





Lafcadio Cortesi

Sumit

Gupta

Richard

Kinsman





Hemant

Bherwani



Helmut Haelker



Amanda

Jorg Diekmann





Elin Larsson









Shreyaskar Chaudhary





Choudhury

Garg

Leslie

Johnston



Paolo Foglia



Jacquelne Jackson





Mark Chubb

Ebru Gencoglu



Prasad



Elissa Loughman





Makarand Kulkarni





Richard

Cepeda

Madelene

Ericsson

























Kiersti Kviseth





Karla Magruder





Mahajan



Krishna Manda



Dhawal Mane



Elayne Masterson



Sophie Mather



David Millar



Cheryl

Millard-Nutt



Miller



Sam Moore



Gowri Nagarjan



Isaac Nichelson



Sanjeev Pandey



Anirudh Pangam



La Rhea Pepper



Quinn



Christina Raab



Siddhartha Rajagopal



Adam

Mott



Mahesh Ramakrishnan



Ben Ramsden





Manohar Samuel



Sambanthan Shanmugan

Rajesh Singh



Balagurunathan Srinivasan





Sandeep Theng



Liesl Truscott



Lee Tyler

Sally Uren



Maria Vlahos



Alison Ward



Rob Wayss



Marci Zaroff



Pavan

Sukhdev





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#### PLATINUM SPONSOR Foundation **GOLD SPONSORS** SILVER SPONSORS LENZING LEADING FIBER INNOVATION ESQUEL GROUP patagonia Pratibha **BRONZE SPONSORS** EILEEN FISHER FUSION Armstrong KATOEN SUID-AFRIKA COTTON CONTROLUNION S O U T H A F R I C A CLOTHING 漢泰紡織有限公司 HEMP FORTEX INDUSTRIES LTD egedeniz" **OEKO-TEX**® olah inc. SPECTRU prAna DECVETEN SUPPORTING ORGANIZATIONS ORGANIC COTTON ROUND TABLE SPONSORS CHANGE® AGENCY FiBL Solidaridad **GET CHANGED!** CottonConnect FAIRTRADE GREEN COTTON THE FAIR FASHION NETWORK JSAO FAIRTRADE Stiftung Mercator Schweiz , organic 4 HELVETAS COTTOP REMEIAG

### **A WONDERFUL WORLD OF SYNERGETIC GROWTH AND SUSTAINABILITY!**



"Pratibha's water improvements are even more impressive and inspirational given that they are being achieved during a time when the Indian apparel industry is growing rapidly and is very thirsty." - Michael Schragger, Chair, GLASA Award.



### **VISION IN ACTION**

- 100% conversion to sustainable materials.
  - 50% reduction in water & carbon footprints.
    - 33% reduction in solid waste disposed.

### **SUSTAINABILITY** INITIATIVES

- New spinning technology saves over energy 30% compared to conventional spinning technologies.
- 2000KL water treated per day at in-house ETP plant.
- Investment in MBR (Membrane Bio Reactor) & MEE (Multi Effective Evaporator) which leads to 70% to 80% reduction in land fill pollution.

### CERTIFICATIONS

ISO 14001, OHSAS 18001, SA 8000, Fairtrade, Oeko-Tex, WRAP, GOTS, GRS, OCS, bluesign.

### **RECENT AWARDS**

- GLASA 2015 (Global Leadership Award in Sustainable Apparel) for Pratibha's holistic approach to water management in textile manufacturing.
- 'Parivartan Sustainability Innovation Award 2014' for 'Spun Dyed Viscose'.
- Organic Cotton Round Table Innovation Challenge Award.



# The things you care about are the things we care about too.

**One billion dollars for education** by the end of 2015 achieved. Four million dollars to communities every week. Over **one million** volunteer hours annually. 100% sustainable and traceable seafood by the end of 2015. And that's just the beginning of the good you help us do every day. Learn more at **target.com/corporateresponsibility.** 

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Conference photos can by accessed via this link: https://goo.gl/photos/ZLdJsWuvx1XhjAK4A 2015 TE Conference graphic recordings are available via this link: https://goo.gl/photos/1BxVAadFnVC8THEi9 Conference presentations are viewable by registered attendees only. Questions? Please contact Communications@TextileExchange.org.



### TextileExchange Creating Material Change

Textile Exchange (TE), founded in 2002, is a global nonprofit organization that works closely with all sectors of the textile supply chain to find the best ways to minimize and even reverse the negative impacts on water, soil, air, and the human population created by this \$1.7 trillion industry. TE accomplishes this by providing the knowledge and tools this industry needs to make significant improvements in three core areas: Materials, Integrity and Supply Chain. A truly global organization, TE is headquartered in the United States with presence also in Europe, Latin America, India, China and Africa. To learn more about Textile Exchange, visit: www.TextileExchange.org. Follow TE on Twitter at @TextileExchange.

The 2015 Textile Sustainability Conference and this Conference Summary are a result of a lot of hard work by too many people to name. Thank you to all, most especially to TE members and attendees, who gave incredible input and made the conference so memorable.

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Join us in Hamburg, Germany - October 3-6, 2016.