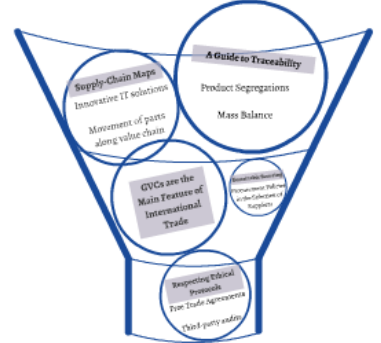
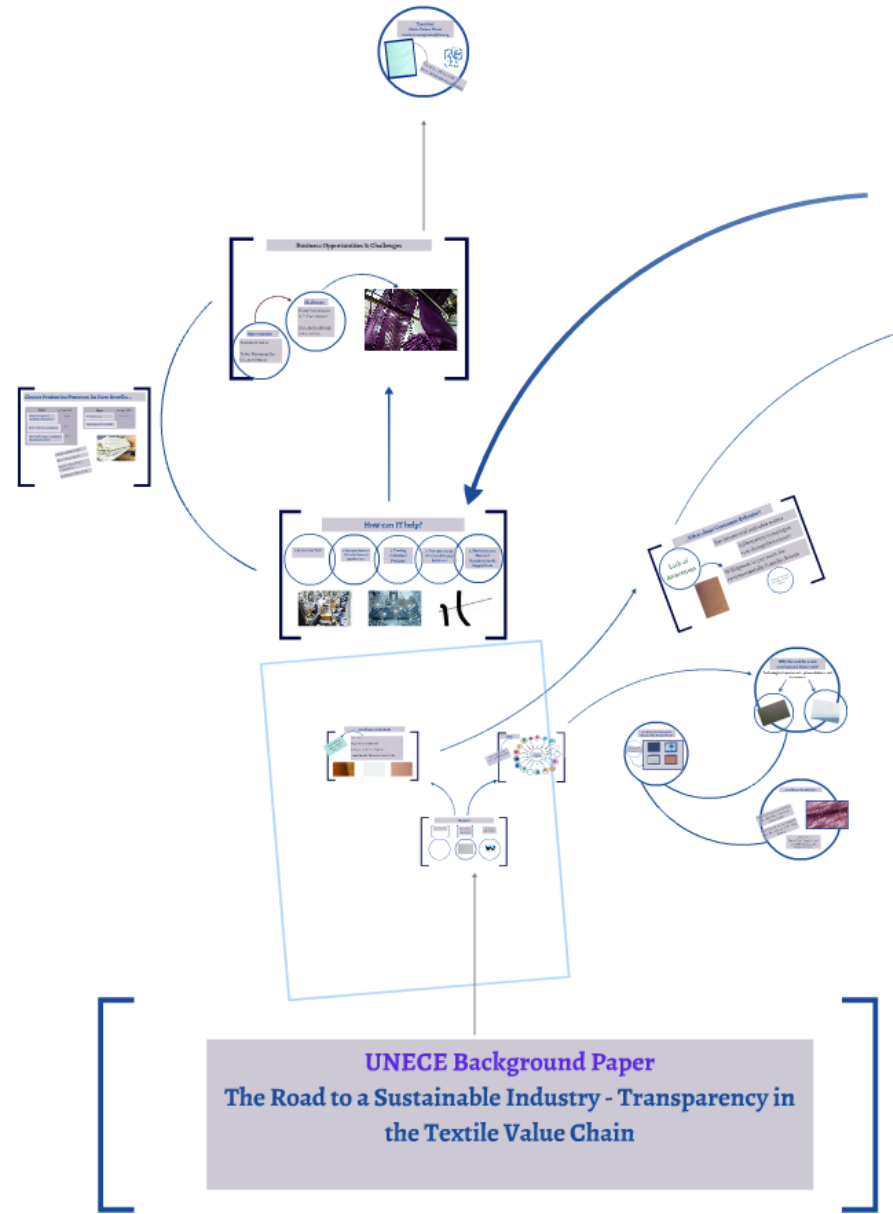


The components.....





UNECE Background Paper

The Road to a Sustainable Industry - Transparency in the Textile Value Chain

Purpose

To launch an international
framework initiative

...by fostering international
debate on tackling negative
health, social, and
environmental impacts of
textile-related operations...

...and have both **governments**
and **companies** play a role in
raising awareness and enhance
supply chain transparency



SDGs

Focus towards
Goal 8 & Goal
12



Why the need for a new international framework?

Technological improvements, price reductions, new innovations



At a Glance: Environmental Impacts of the Textile Industry

The Case of Cotton:
45% of all fibers used within
the global textile industry

Discharge of Pollutants



Consumption of Water



Consumption of Energy



Raw Materials Tier



At a Glance: Health Risks

10% of textile-related substances
are of potential concern to
human health

25% of chemicals manufactured
globally are for use in the textile
industry



Concerns:
Cancer- Brain, Lung, Stomach
Dermatological Diseases
Inhalation of Toxins

At a Glance: Social Risks

Minimum Wage
Gender Equality
Education

Initiatives:

Organizations- i.e. Better Work

Self-assessment Tools- i.e. Higg Index

Partnerships and Collaborations- Sharing of Value



...What about Consumer Behavior?

Lack of
Awareness

Environmental attitudes matter

Information campaigns
can change behaviours

Willingness to pay more for
environmentally-friendly choices



Knowledge influences
expectations of ethical
behaviour

How can IT help?

1. Assessment Tools

2. Managing Internal KPIs with External Supplier Data

3. Tracing Individual Products

4. Transparency to Inform and Engage End Users

5. Blockchain as a Means of Transforming the Supply Chain



Cleaner Production Processes Do Have Benefits...

Turkey	Savings (USD)
Water, energy, and chemical consumption	58,340
Water and salt consumption	37,680
Steam and energy consumption, air pollution control	184,180

Egypt	Savings (EUR)
Yearly Savings	164,173.7
Payback period - 4 months	



- Environmental Benefits
- Short Payback Period
- Optimization of Water Consumption
- Cost-benefit Relationship

Business Opportunities & Challenges

Opportunities

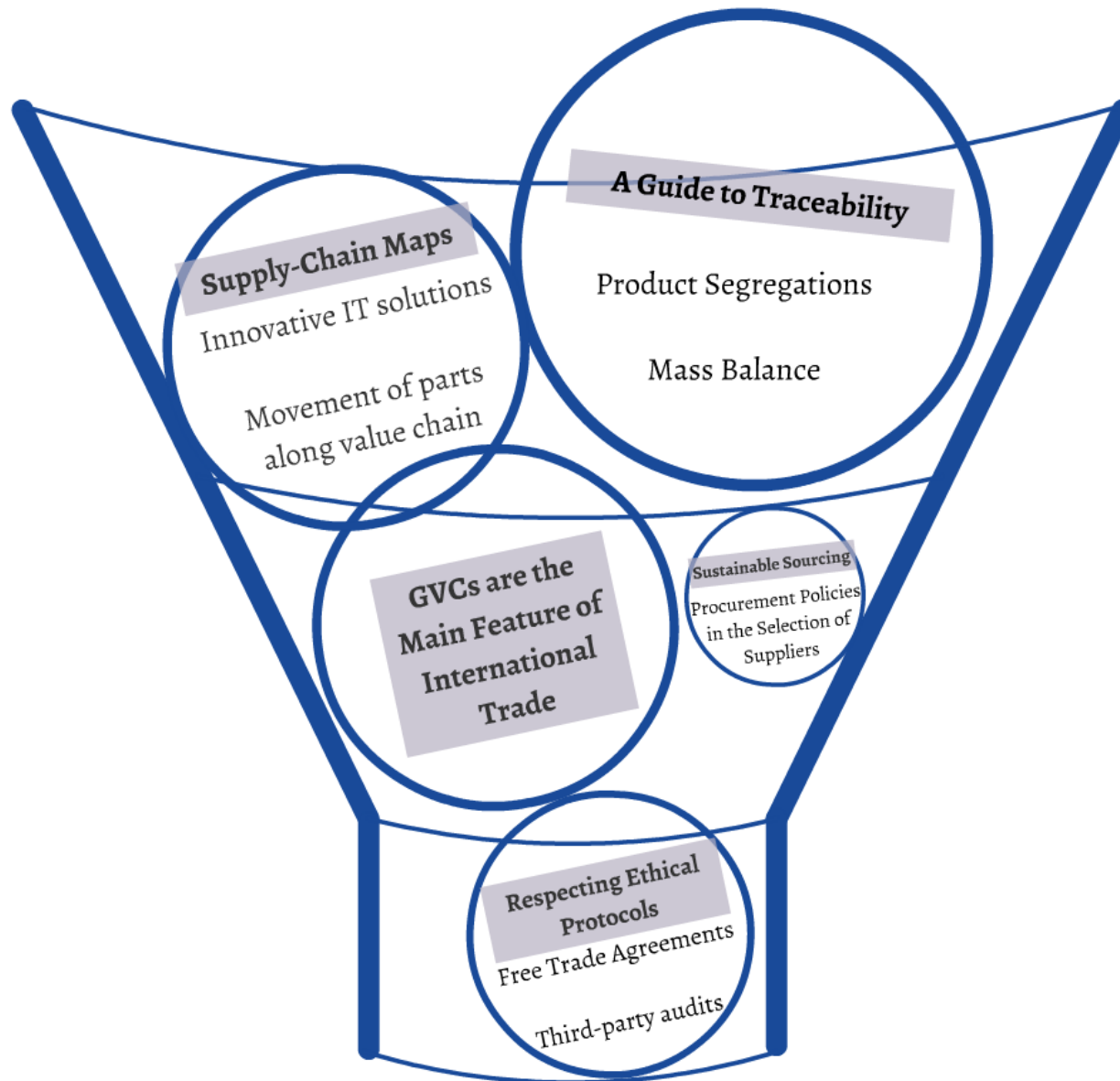
Economic Gains
Fewer Resources for
Greater Output

Challenges

Heavy Investment
in Infrastructure
Unrealistically high
expectations



The components.....



Thank you!
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For more, please visit
<http://www.unece.org/cefact>