



# **GC3 Meeting – Houston**

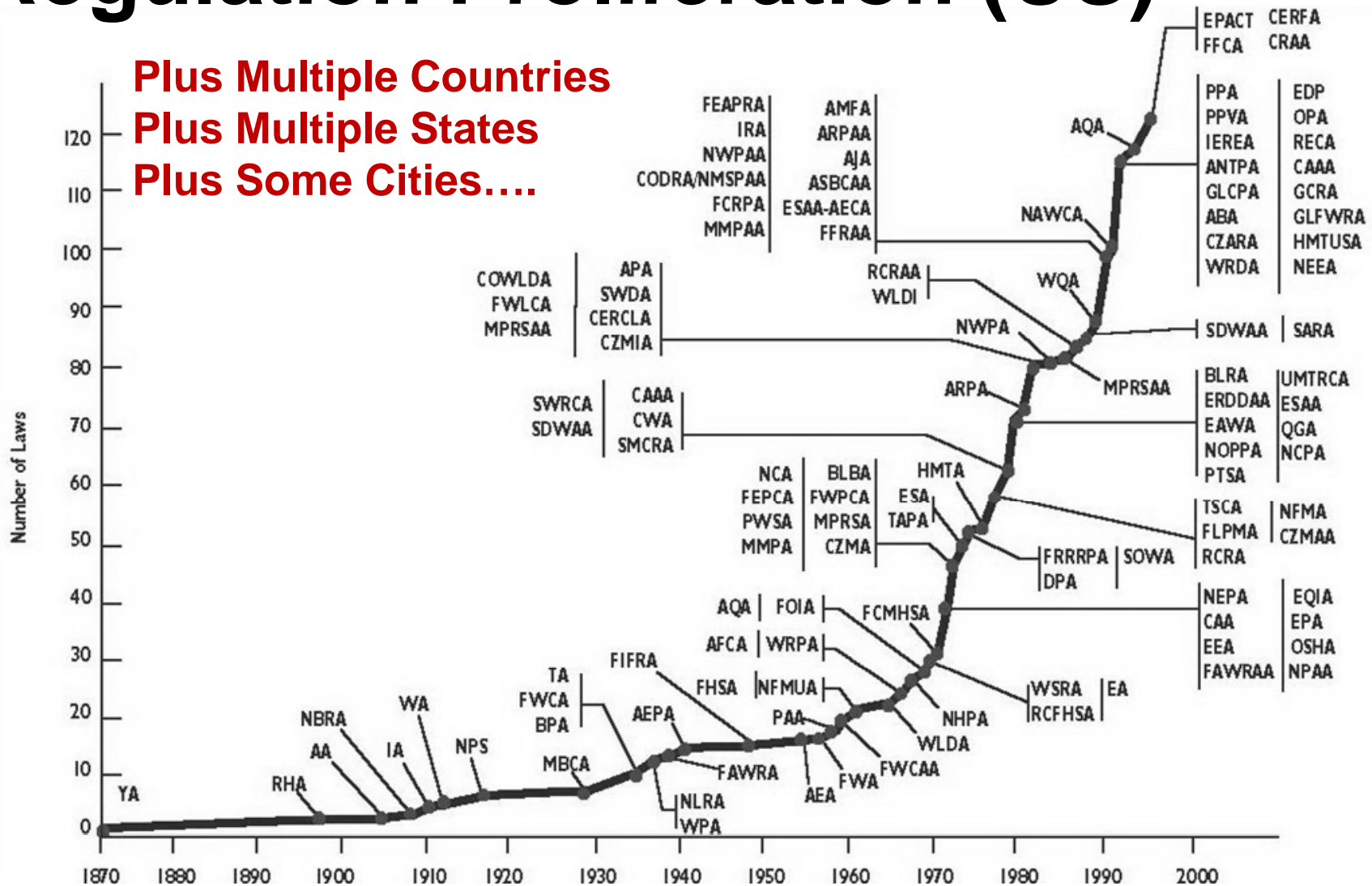
## **Textile Industry Discussion**

**April 2010**



# Regulation Proliferation (US)

Plus Multiple Countries  
 Plus Multiple States  
 Plus Some Cities....



Source: [http://www.epa.gov/oppt/greenengineering/pubs/ch3\\_summary.html](http://www.epa.gov/oppt/greenengineering/pubs/ch3_summary.html)





# Relationships in the Supply Chain



Suppliers

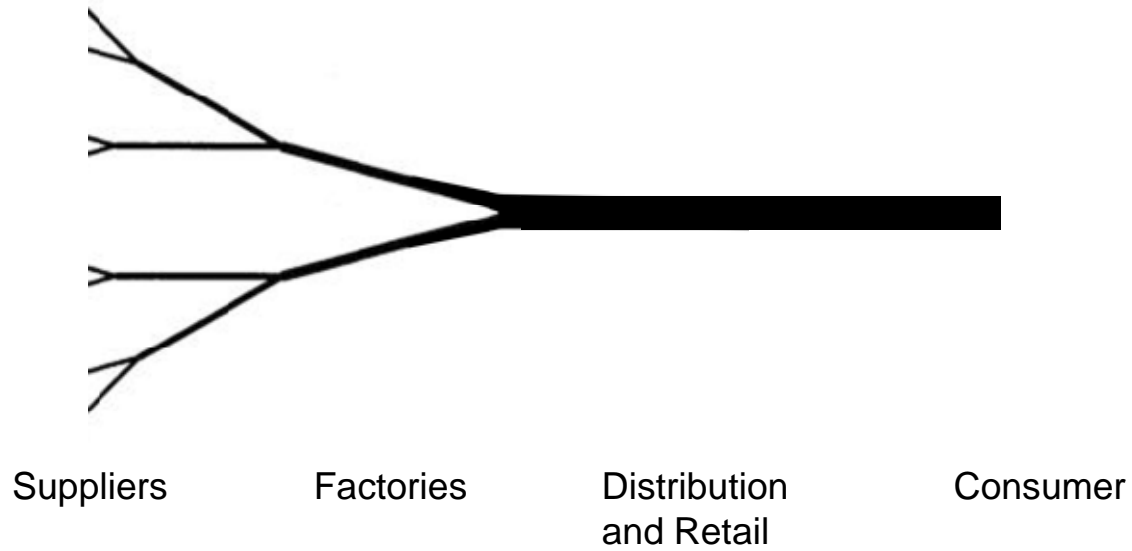
Factories

Distribution  
and Retail

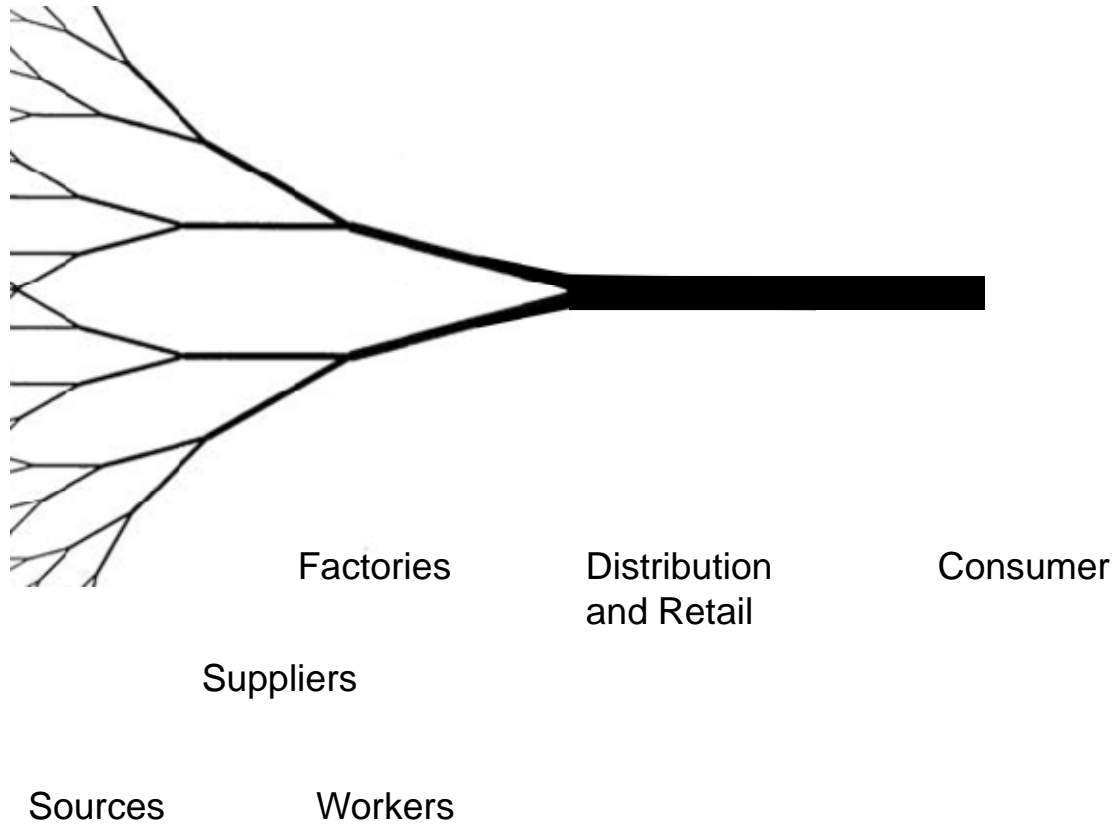
Consumers



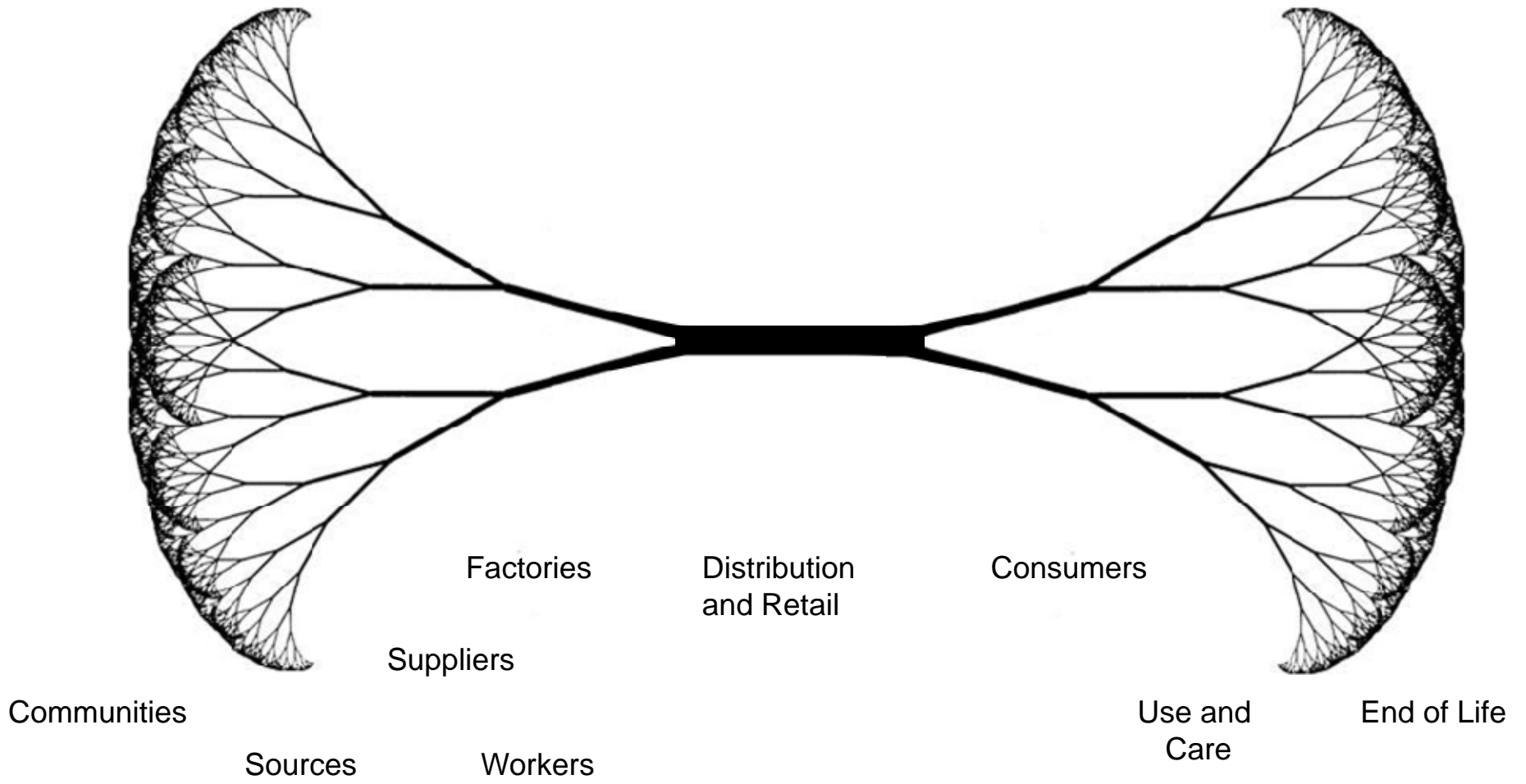
# Relationships in the Supply Chain



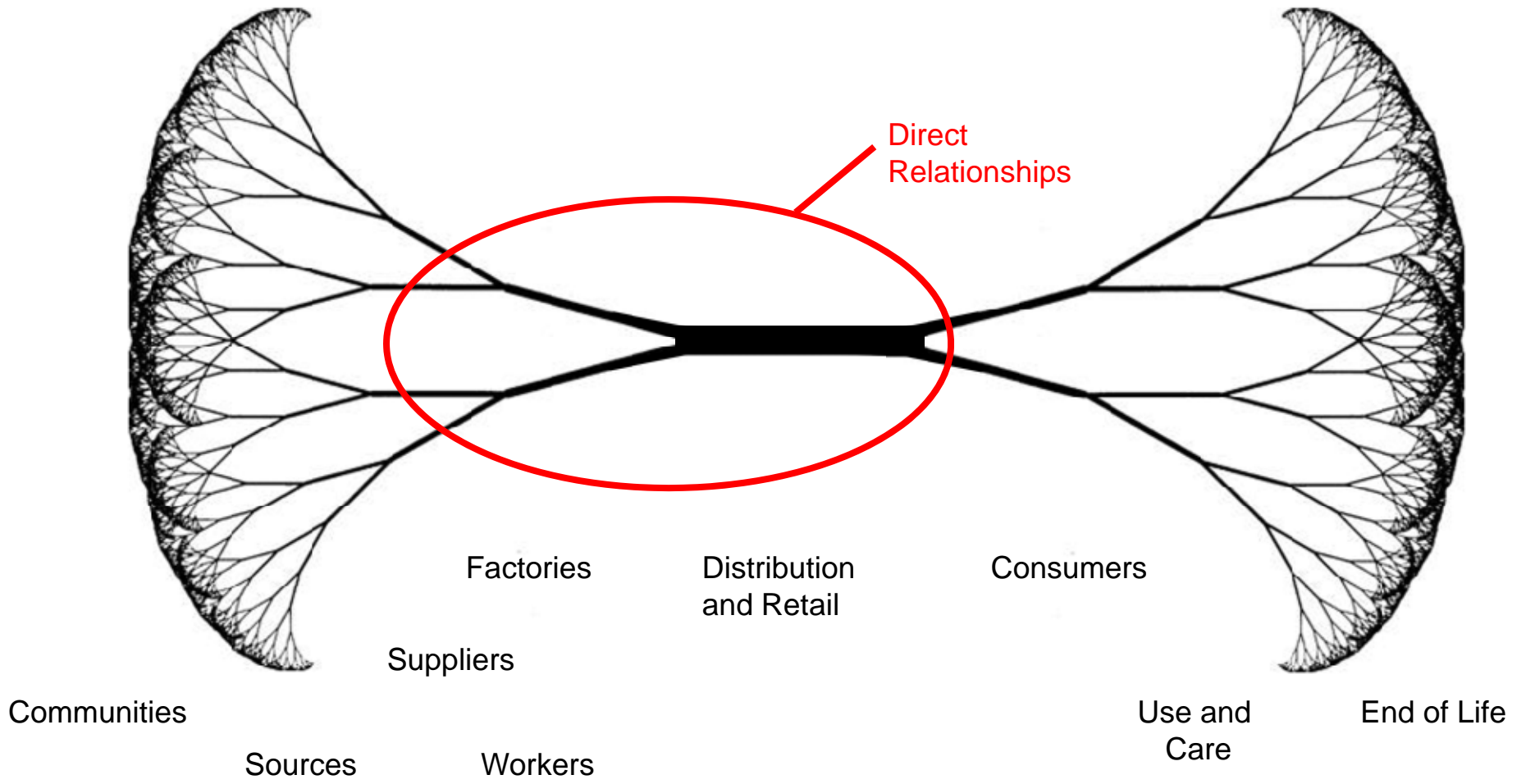
# Relationships in the Supply Chain



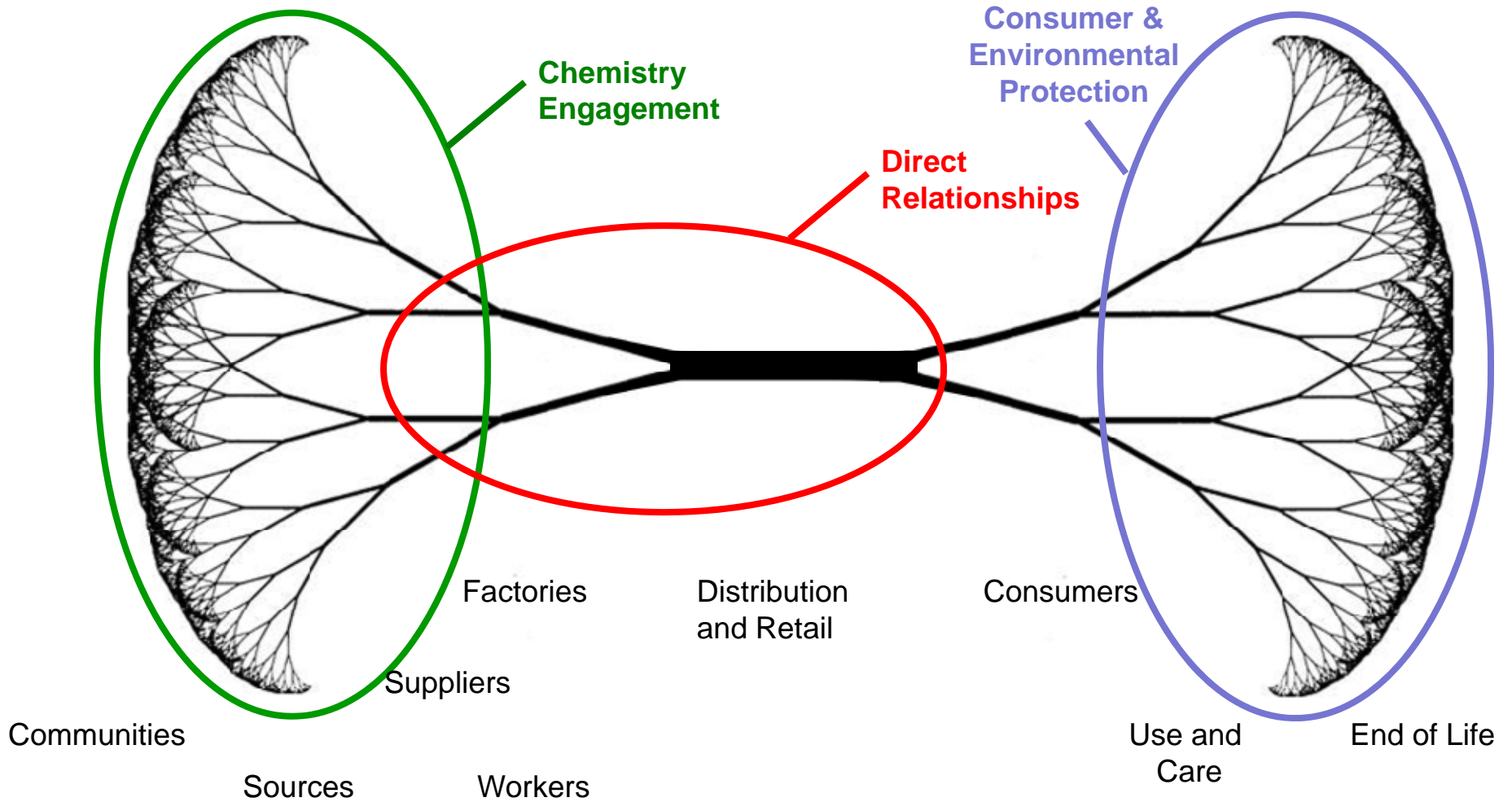
# Relationships in the Supply Chain



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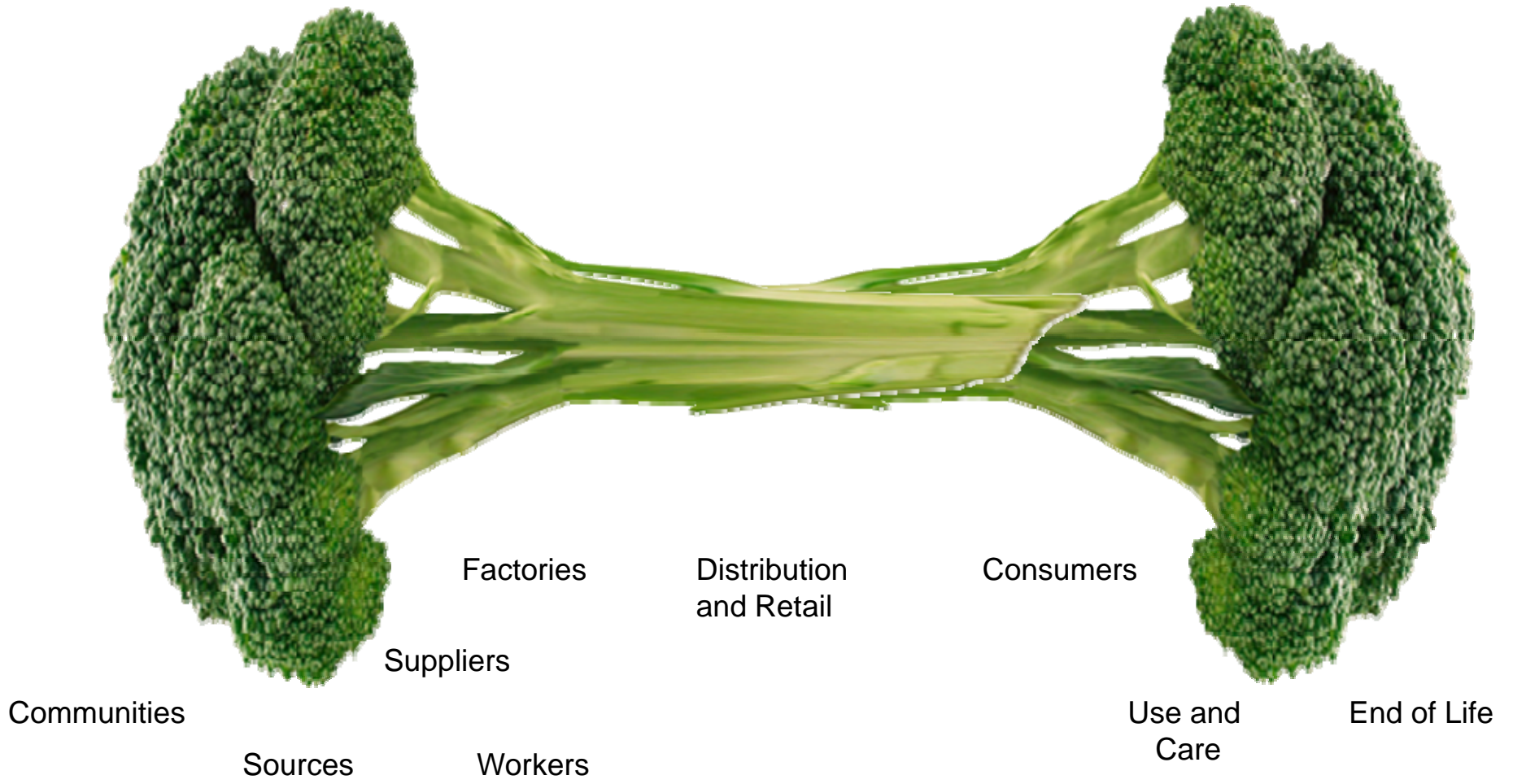


Complex – But Not Always Sophisticated





# Relationships in the Supply Chain



A Challenge to Green



# Nike Product Chemistry Approach

## Prescriptive:

- Restrictions

## Proactive:

- Internal/External Competition

## Collaborative:

- AFIRM (apparel and footwear international RSL mgmt)
- AAFA (american apparel and footwear assn)
- **GC3** ←
- GreenXchange





# What is the Nike RSL?

## Chemical Restrictions:

- Legislated
- Nike (safety/sustainability)

## Material Policies:

- Green Chemistry Guidance
- Antimicrobial
- Scented Products
- Nanotechnology
- Animal Skins

## The RSL applies to:

- Every material and every product
- Testing is a part of verification



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### Nike Restricted Substances List (RSL) and Sustainable Chemistry Guidance

Corporate Version Date: March 2010

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Always verify the RSL version by visiting:  
<http://www.nikeresponsibility.com/rs/>

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File: Nike\_CorpRSL\_March\_2010.doc

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Version Date: March 2010

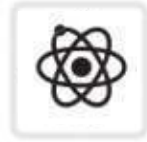
**Online – publicly available**



# Nike North Stars:



Closing the Loop



Healthier (Greener)  
Chemistry



Climate Stability

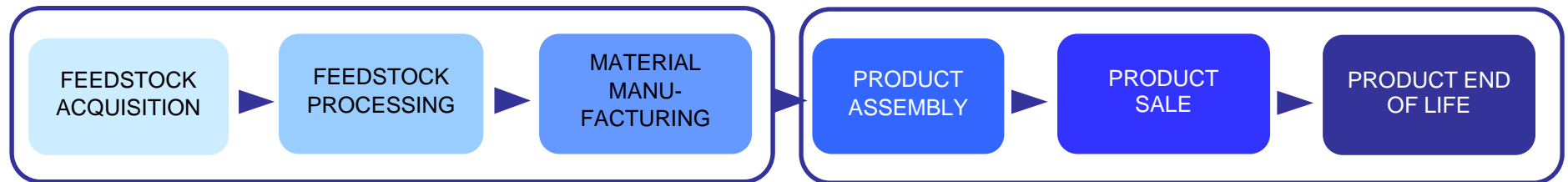


Water Stewardship

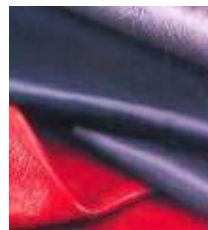


Thriving  
Communities

# Considered Index:



Material Assessment



Product Scoring



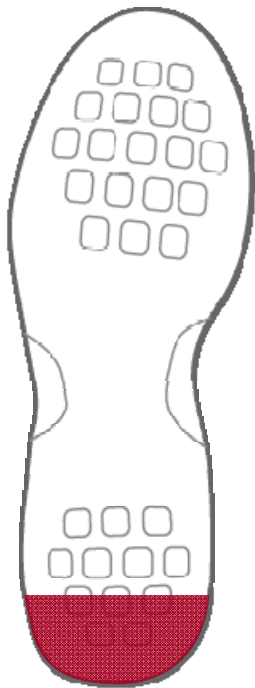
# Green Rubber – V1

## Proactive Engagement

### TRADITIONAL RUBBER

Number  
of “Red”  
Chemicals:  
**5**

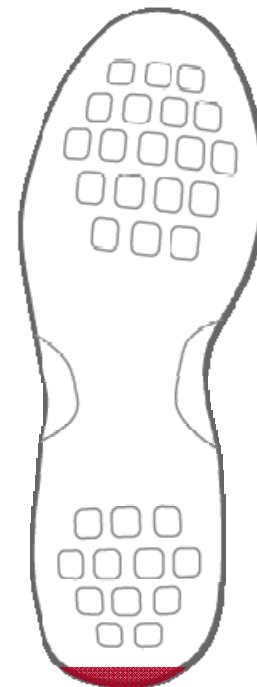
“Red”  
Chemicals  
by weight  
**12%**



### GREENER RUBBER (EPR)

Number  
of “Red”  
Chemicals:  
**1**

“Red”  
Chemicals  
by weight  
**1%**



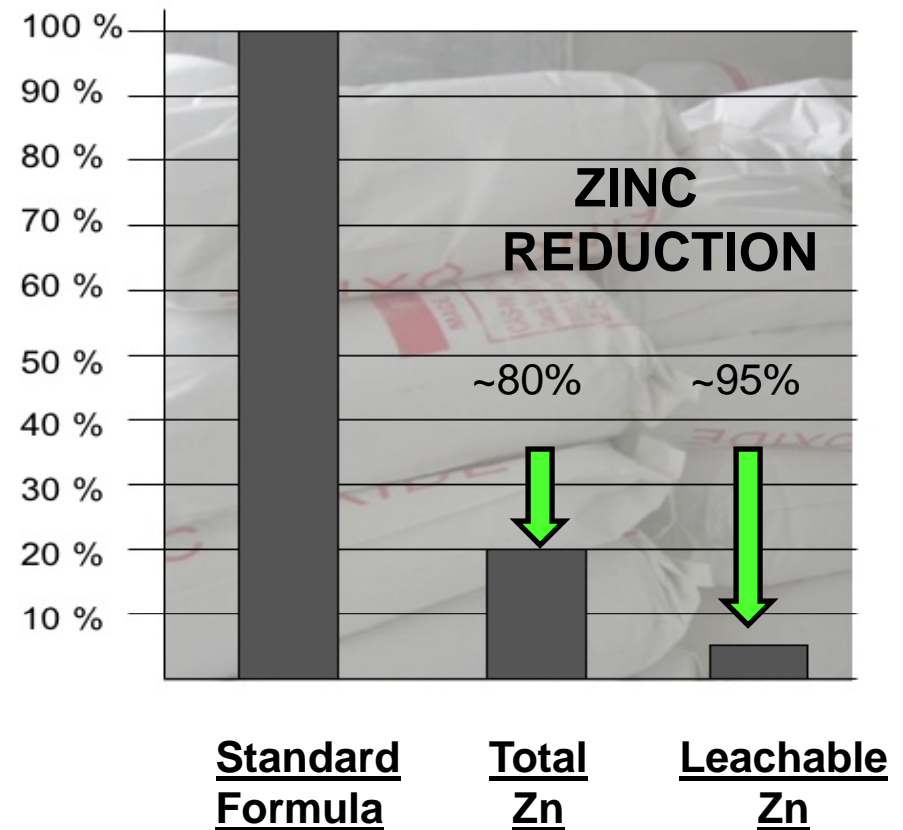
### EFFECT :

- REDUCED TOXICS
- 96% FEWER TARGETED TOXICS (3,000 METRIC TONS/YR)



# Green Rubber - V2

## Proactive Engagement



# Nike Footwear VOC Reduction

## Proactive Engagement



- 340 grams (1995)
- ~15 grams (FY06)

**95% Reduction of VOCs**





# Textile Industry Opportunities for Green Chemistry



## Greater Protection:

- Consumers
- Workers
- Environment

## Consistency:

- Approach
  - (scientific and proactive)
- State to State
- Country to Country

