



# WHY & HOW TO IDENTIFY THE SOCIAL IMPACTS OF YOUR GLOBAL SUPPLY CHAINS

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# SUSTAINABILITY OF THE PEOPLE





# INITIATIVES AND LAW

- ▶ UN Global Compact Initiative
- ▶ Clinton Global Initiative
- ▶ President's Executive Order
- ▶ Transparency in Supply Chains Act 2010
- ▶ “Conflict Minerals” Provision in Dodd-Frank Reform Bill

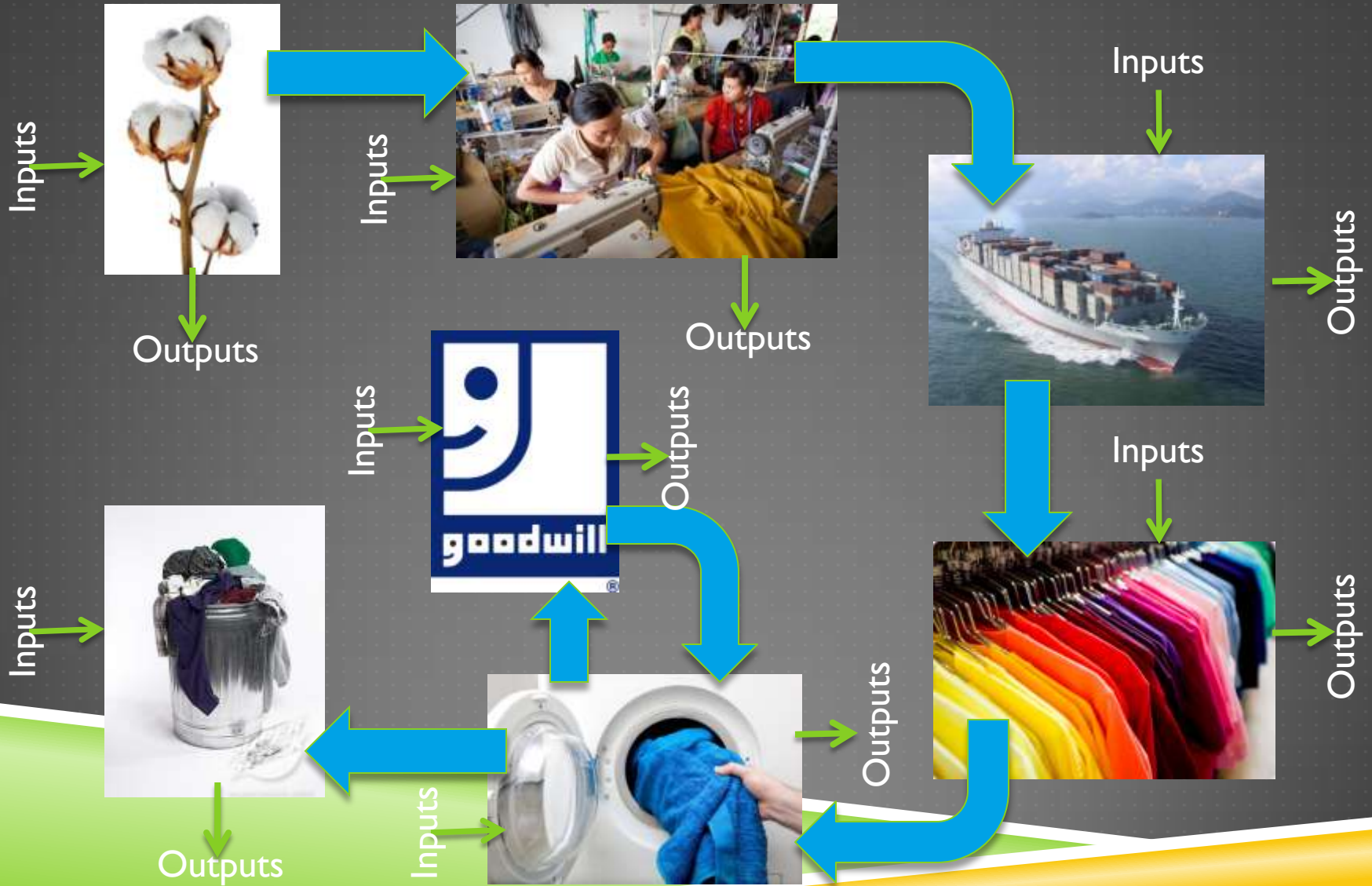


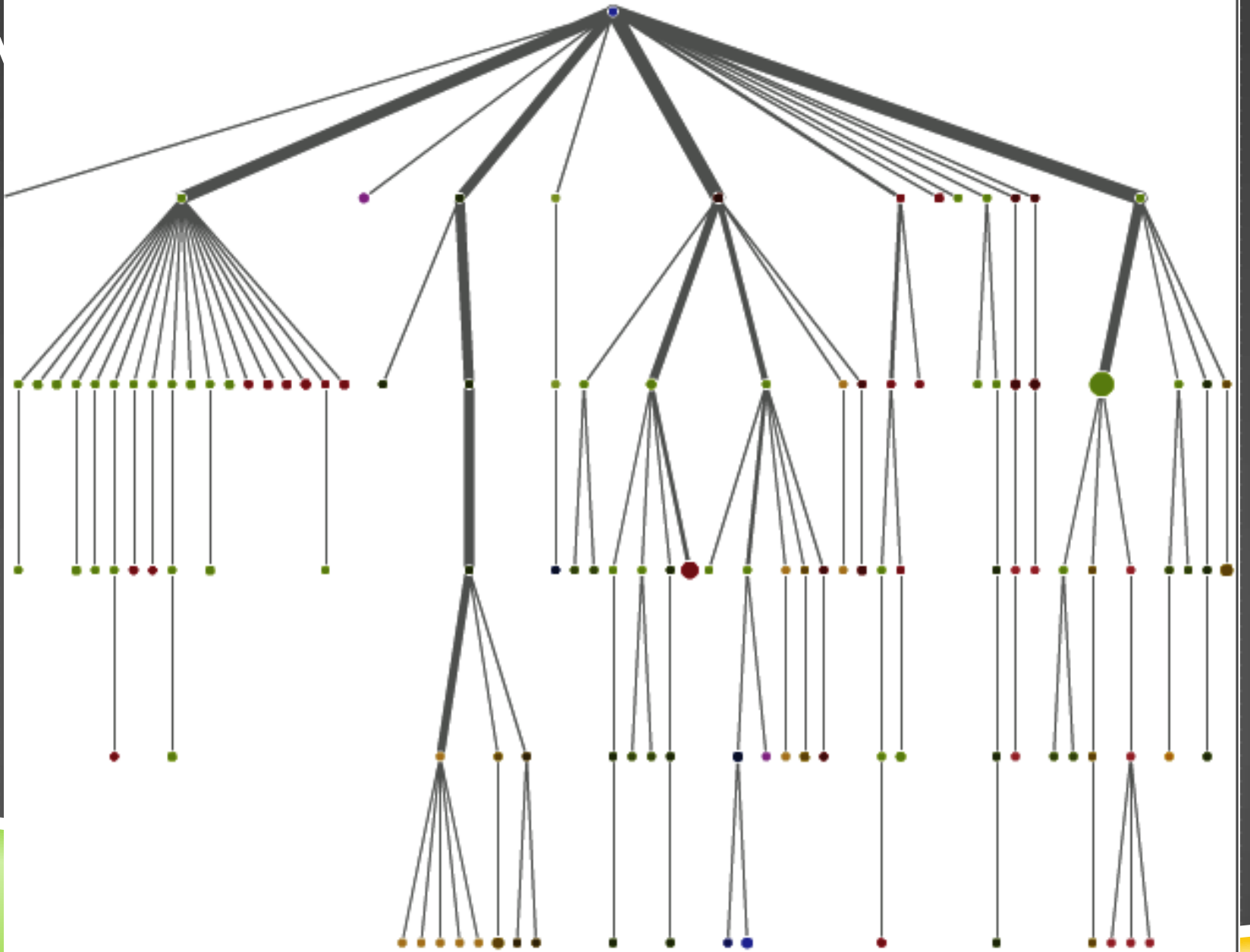
# NEGATIVE BUSINESS PRACTICES

- ▶ Hazardous working conditions
- ▶ Slavery & Human Trafficking, Child Labor
- ▶ Discrimination – gender, religious, cultural
- ▶ Conflicts with Indigenous Tribes for resources
- ▶ Excessive working time
- ▶ Wages below the Poverty Line
- ▶ Access to resources—drinking water, sanitation, hospital beds, vaccinations



# PRODUCT LIFE CYCLES





# SOCIAL HOTSPOT DATABASE (SHDB)

Social theme tables

22 social themes/ 134 indicators

Worker hours model

Labor intensity by country specific sector

Global IO model (GTAP)

Economic participation in a supply chain by country specific sector

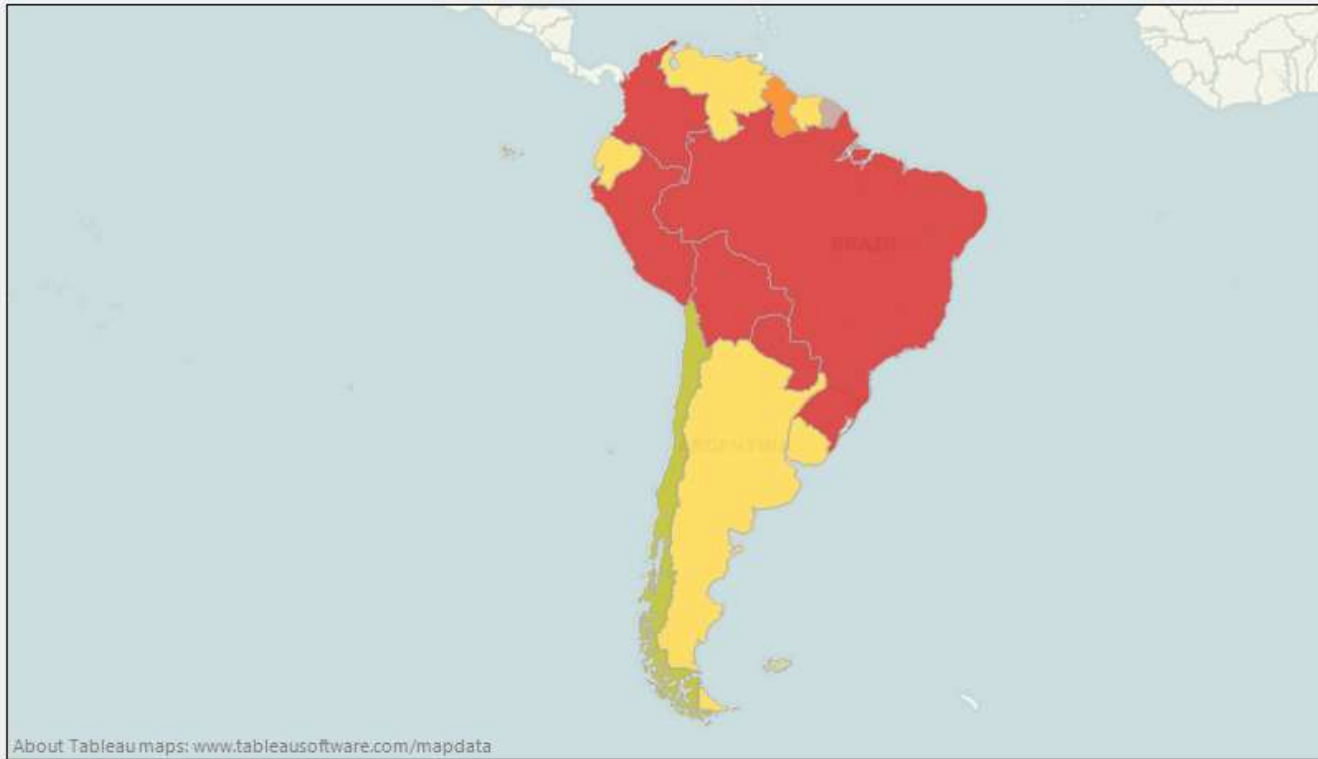


# GLOBAL SECTOR RISK MAP



## Visualizing Global Risk for a Specific Issue in "Labor Rights & Decent Work"

Characterized Issue: Risk of Child Labor in sector, Total  
Sector: Coal



**Sector**

- \*Country Level
- Air transport
- Animal products nec
- Beverages and tobac
- Bovine cattle, sheep a
- Bovine meat products
- Business services ne
- Cereal grains nec
- Chemical, rubber, plas
- Coal
- Commerce
- Communication
- Construction

**Country**

- Falkland Islands
- Faroe Islands
- Fiji
- Finland
- France
- French Guiana
- French Polynesia
- Gabon
- Gambia
- Georgia
- Germany
- Ghana
- Gibraltar

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# MULTIPLE ISSUES IN SUPPLY CHAIN



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## Analyzing Supply Chain Risks for Multiple Issues in "Human Rights"

Risk levels for chosen Countries-specific Sectors (CSS) and multiple issues.

### Human Rights Themes

- (All)
- Gender Equity
- High Conflict Zones
- Human Health - Communicable Diseases
- Human Health - Non-communicable Diseases...
- Indigenous Rights

### Human Rights Issues

- Risk of dying from Neuropsychiatric cond
- Risk of Gender inequality by Sector base
- Risk of HIV
- Risk of Japanese encephalitis
- Risk of Leprosy
- Risk of low Life expectancy
- Risk of malaria
- Risk of Measles
- Risk of Meningitis
- Risk of mortality from communicable disea
- Risk of mortality from injury
- Risk of mortality from non-communicable
- Risk of Mumps
- Risk of Obesity (BMI = 30 kg/m<sup>2</sup>), Aged 15
- Risk of Obesity (BMI = 30 kg/m<sup>2</sup>), Aged 15

Country-specific Sector	Theme	Characterized Issue	
Albania-Food products nec	Gender Equity	Overall Risk of Gender Inequality in country	High
		Risk of Gender inequality by Sector based on representatio..	High
	High Conflict Z..	Overall Risk for High Conflict-increased if risk exists at sect..	Medium
		Human Health - Non-communicable Diseases and ..	Risk of low Life expectancy
Bosnia and Herzegovina-Air transport	Gender Equity	Overall Risk of Gender Inequality in country	Medium
		Risk of Gender inequality by Sector based on representatio..	No data
	High Conflict Z..	Overall Risk for High Conflict-increased if risk exists at sect..	High
		Human Health - Non-communicable Diseases and ..	Risk of mortality from injury
China-Metal products	Gender Equity	Overall Risk of Gender Inequality in country	High
		Risk of Gender inequality by Sector based on representatio..	No data
	High Conflict Z..	Overall Risk for High Conflict-increased if risk exists at sect..	Very High
		Human Health - Non-communicable Diseases and ..	Risk of mortality from non-communicable diseases
Indonesia-Vegetables, fruit, nuts	Gender Equity	Overall Risk of Gender Inequality in country	High
		Risk of Gender inequality by Sector based on representatio..	Low
	High Conflict Z..	Overall Risk for High Conflict-increased if risk exists at sect..	Very High
		Human Health - Non-communicable Diseases and ..	Risk of mortality from non-communicable diseases

Color Key ■ Low ■ Medium ■ High ■ Very High ■ No data

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