

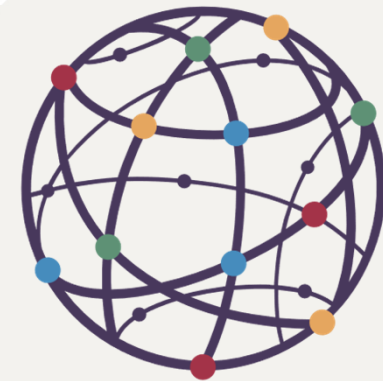
# Mapping the landscape of technology tools

*Launch of 'Leveraging innovation to fight trafficking in human beings: A comprehensive analysis of technology tools'*

*- Joint publication by the OSCE and Tech Against Trafficking*

24 June 2020

Thi.Hoang | [thi.hoang@globalinitiative.net](mailto:thi.hoang@globalinitiative.net)



**GLOBAL  
INITIATIVE**



# GLOBAL INITIATIVE

AGAINST TRANSNATIONAL ORGANIZED CRIME

GI-TOC is a network of prominent law enforcement, governance and development practitioners who are dedicated to improving the evidence basis and seeking new and innovative strategies and responses to organized crime.

 **Migrant Smuggling**

 **Human Trafficking**

 **IFFs**

 **Non-Renewable**

 **Mafia-style**

 **Flora**

 **Fauna**

 **Maritime**

 **Cybercrime**

 **Arms/SALW**

 **Drug Trafficking**

 **Counterfeit**

 **Corruption**



## RESPECT initiative (Responsible and Ethical Private Sector Coalition against Trafficking)

- RESPECT Resource Centre [respect.international/resource-centre](https://respect.international/resource-centre)

*The one-stop shop for businesses and relevant stakeholders on materials related to human trafficking, including webinars, reports, standards and code of ethics, legislations, and guidance.*

- Interactive Map for Business of Anti-Human Trafficking Organisations [modernslaverymap.org](https://modernslaverymap.org)

*The interactive map provides a unified repository of initiatives and organisations engaging businesses in the fight against human trafficking.*



- Tech Against Trafficking [techagainstrafficking.org](https://techagainstrafficking.org)

*A coalition of technology companies collaborating with global experts to help eradicate human trafficking through technology*



*Business for Social Responsibility (BSR) is the Secretariat. GI-TOC / RESPECT is the Research Lead.*



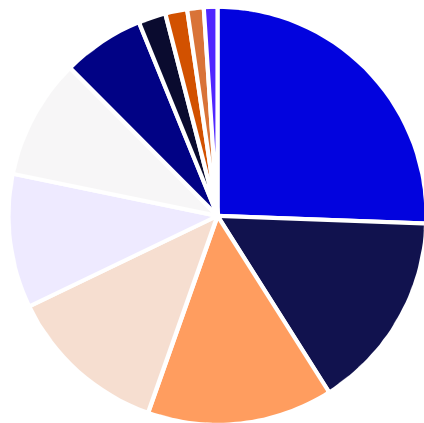
---

# Mapping the landscape of technology tools

*- Highlights*

**TECH  
AGAINST  
TRAFFICKING** 

# Overview: Tool Types



- Victim/Trafficker Identification
- Awareness-raising, Education, Collaboration
- Supply Chain Management
- Data Trends & Mapping
- Corporate Risk Identification
- Worker Engagement & Empowerment
- Victim Case Management & Support
- Ethical Shopping
- Privacy/Personal Identity
- Payment Security
- Other

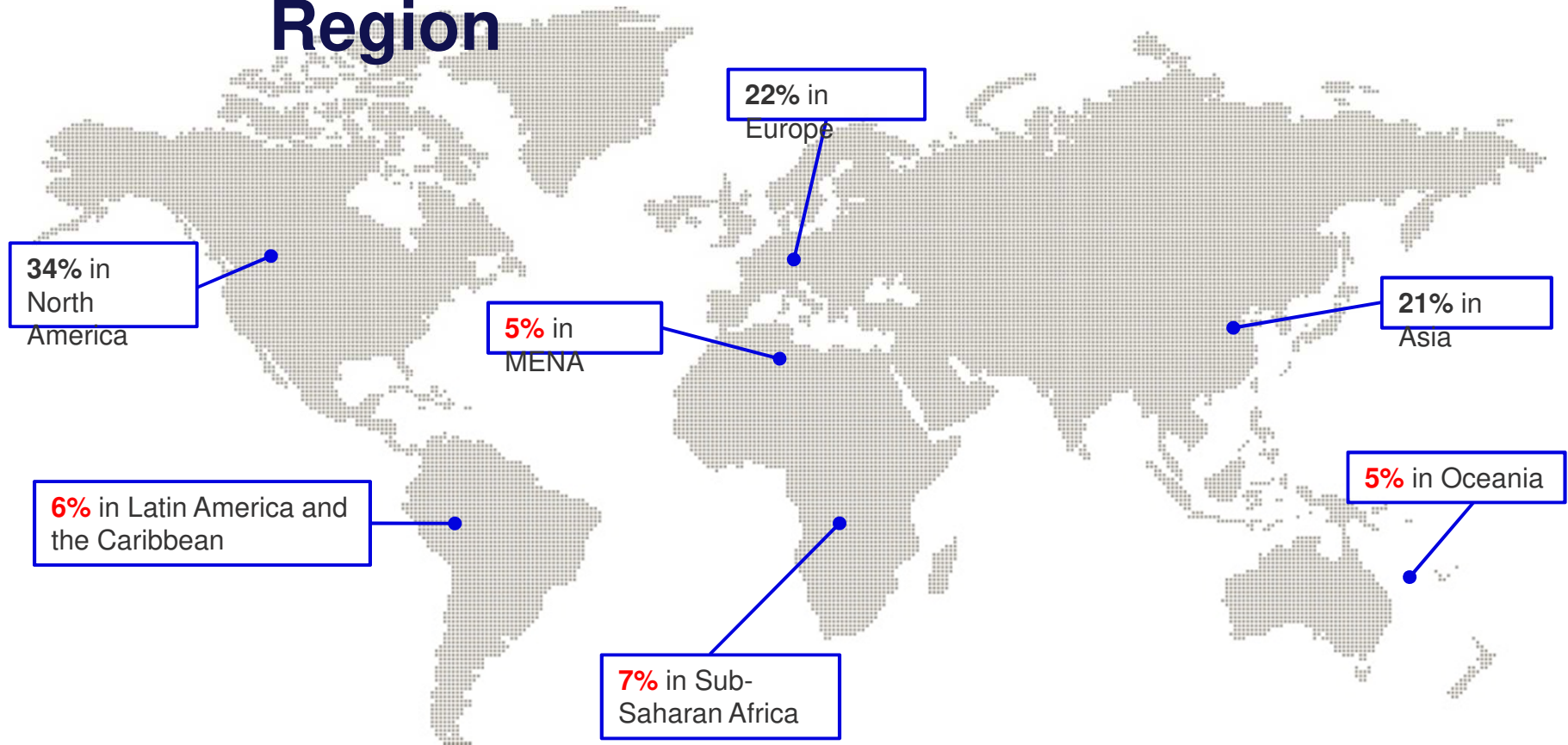
## Trends

- 1/4 of tools focus on Victim or Trafficker Identification.
- **24%** of tools used for Supply Chain Management and Corporate Risk Identification.

## Gaps

- 6% Victim Case Management & Support
- 5% focus on Ethical Shopping, Payment Security, and Privacy or Personal Identity.

# Geographies: Tools by Region

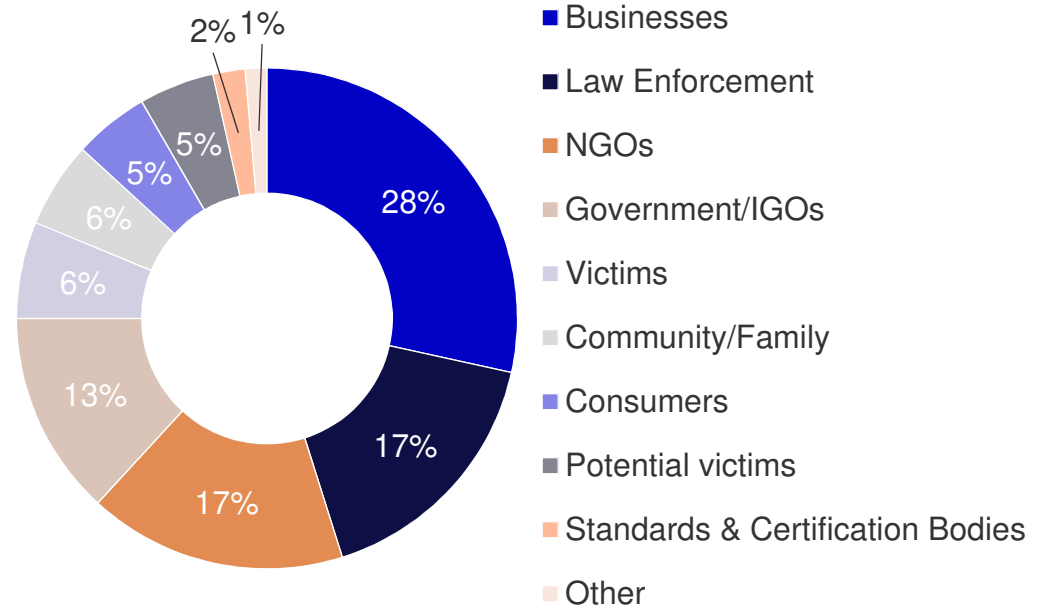


# Who uses which tool type?

Stakeholder (from most % to least)	Businesses	NGOs	Law Enforcement	Victims	Potential Victims	Community / Family	Government / IGOs	Consumers	Other (workers, youth, etc.)	Standards & Certification Bodies
<i>Tool type which is used the most by the stakeholder (&gt;20%)</i>	Supply Chain Management	Victim / Trafficker Identification	Victim / Trafficker Identification	Victim / Trafficker Identification	Victim / Trafficker Identification	Victim / Trafficker Identification	Data Trends & Mapping	Supply Chain Management	Awareness-raising, Education, Collaboration	Corporate Risk Identification
	Corporate Risk Identification	Data Trends & Mapping	Data Trends & Mapping	Worker Engagement & Empowerment	Awareness-raising, Education, Collaboration	Awareness-raising, Education, Collaboration	Victim / Trafficker Identification	Awareness-raising, Education, Collaboration	Worker Engagement & Empowerment	Data Trends & Mapping
<i>Tool type which is also used by the stakeholder (10%-20%)</i>	Victim / Trafficker Identification	Awareness-raising, Education, Collaboration	Awareness-raising, Education, Collaboration	Awareness-raising, Education, Collaboration	Worker Engagement & Empowerment	Data Trends & Mapping	Awareness-raising, Education, Collaboration	Corporate Risk Identification	Data Trends & Mapping	Awareness-raising, Education, Collaboration
	Data Trends & Mapping	Victim Case Management & Support	Victim Case Management & Support	Victim Case Management & Support	Victim Case Management & Support	Victim Case Management & Support	Supply Chain Management	Victim / Trafficker Identification	Supply Chain Management	Supply Chain Management
	Awareness-raising, Education, Collaboration	Supply Chain Management	Supply Chain Management	Data Trends & Mapping	Data Trends & Mapping	Supply Chain Management	Victim Case Management & Support	Data Trends & Mapping	Victim / Trafficker Identification	Victim Case Management & Support
<i>Tool type which is rarely used by the stakeholder (&lt;10%)</i>	Worker Engagement & Empowerment	Corporate Risk Identification	Other	Supply Chain Management	Payment Security	Worker Engagement & Empowerment	Corporate Risk Identification	Ethical Shopping	Victim Case Management & Support	Victim / Trafficker Identification
	Victim Case Management & Support	Other	Corporate Risk Identification	Payment Security	Privacy / Personal Identity	Ethical Shopping	Privacy / Personal Identity	Victim Case Management & Support	Payment Security	Payment Security
	Ethical Shopping	Worker Engagement & Empowerment	Privacy / Personal Identity	Corporate Risk Identification	Supply Chain Management	Payment Security	Worker Engagement & Empowerment	Worker Engagement & Empowerment	Corporate Risk Identification	Worker Engagement & Empowerment
	Payment Security	Payment Security	Worker Engagement & Empowerment	Privacy / Personal Identity	Corporate Risk Identification	Corporate Risk Identification	Payment Security	Privacy / Personal Identity	Privacy / Personal Identity	Ethical Shopping
<i>Tool type which is never used by the stakeholder (=0%)</i>	Privacy / Personal Identity	Privacy / Personal Identity	Payment Security	Ethical Shopping	Ethical Shopping	Privacy / Personal Identity	Ethical Shopping	Payment Security	Ethical Shopping	Other
	Other	Ethical Shopping	Ethical Shopping	Other	Other	Other	Other	Other	Other	Privacy / Personal Identity

# Key findings

- Strong concentration of tech tools developed and operating *in the global North* despite higher prevalence rates of human trafficking in the global South
- **Businesses** are the top user group of customizable tools (more than a quarter)
- Although half of the tools are free to use, more than three quarters are *proprietary technologies / innovations*



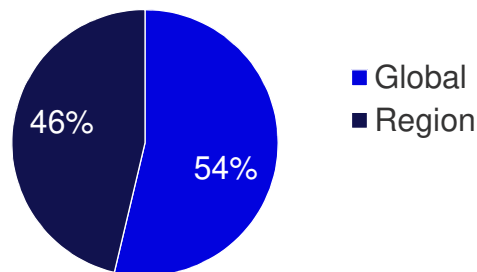
Who uses customizable tools?



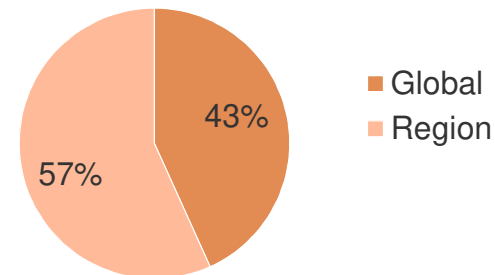
## Key findings (cont.)

- Business, law enforcement, governments and NGOs are the target users of **more sophisticated** tech tools (using blockchain and big data technologies), whereas victims and community members are more targeted for low-tech tools (mobile apps)
- More than half of the identified tech tools developed to counter **labour trafficking** target **worldwide** users, whereas tools against **sex trafficking** focus more on the **regional** level

Geographical coverage of tools against labour trafficking



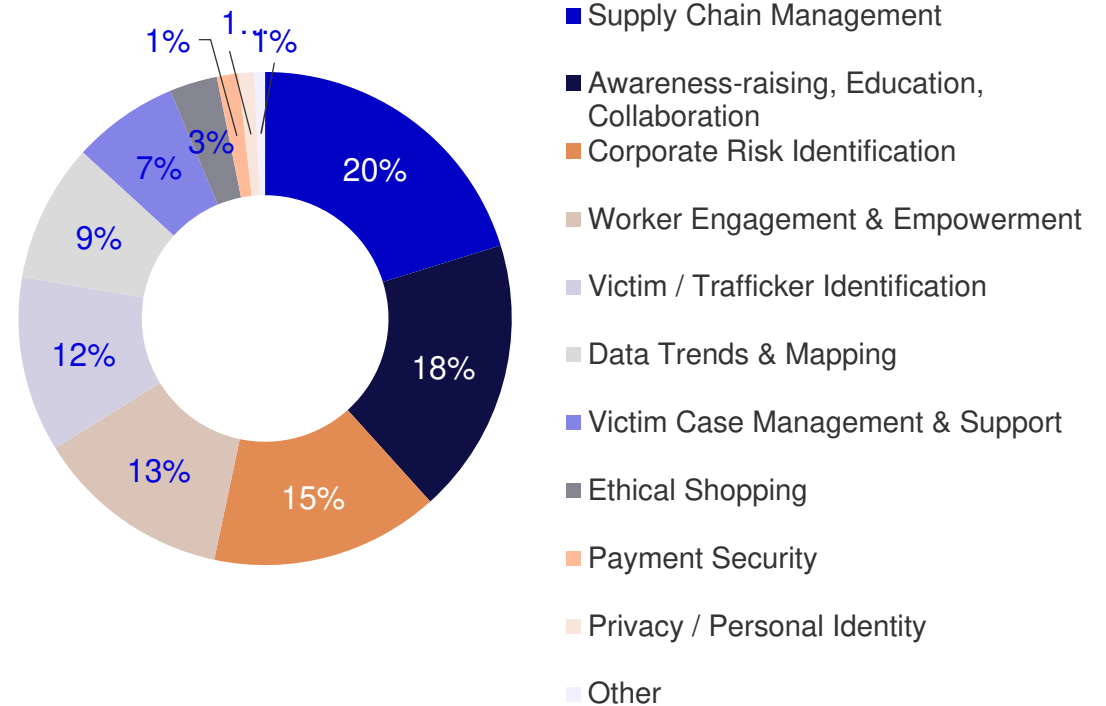
Geographical coverage of tools against sex trafficking



## Key findings (cont.)

- ‘Supply Chain Management’ and ‘Corporate Risk Identification’ make up more than one third of anti-labour trafficking tech tools. On anti-sex trafficking tool type, it’s ‘Victim / Trafficker Identification’
- Businesses are encouraged to engage more with the tech tools aimed at ***empowering workers in the global supply chains***

### Anti-labour trafficking tool type



# Interactive map of anti-trafficking tech

**TECH AGAINST TRAFFICKING** INTERACTIVE MAP OF ANTI-TRAFFICKING TECH TOOLS

HOME CLEAR

Search  300 Tools Selected

**TOOL CATEGORY**

- Victim/Trafficker Identifica...
- Supply Chain Management
- Worker Engagement & E...
- Awareness-raising, Educat...
- Data Trends & Mapping

**TRAFFICKING TYPE**

- Labor Trafficking
- Sex Trafficking
- Other
- Unclear

**TARGET SECTOR**

- Cross-sector
- Public Sector
- Informal Sector
- Aquaculture & Fishing
- Garment & Textile Industry

**TARGET USERS**

- NGOs
- Community/Family
- Businesses
- Potential victims
- Government/IGOs

**TECHNOLOGY**

- Web-/Cloud-Based
- Mobile Platform
- Network Platform/Search ...
- Blockchain
- Big Data

**KEY PHRASES**

- information
- platform
- trafficking
- app
- supply

**TOOL LIST**

- (Un)trafficked**  
Software  
(Un)trafficked is an interactive digital story about child trafficking in India. In the interactive story, users follow the journey of a 13-year-old girl from a poor family that decides to send her away with a stranger to find work
- 1343 Actionline Hotline**  
Hotline  
The 1343 Actionline is a 24/7 hotline facility that responds to emergency or crisis calls from victims of human trafficking and their families. It provides a venue for the public to be engaged in the fight against trafficking in
- 24-hour Migrant Worker Hotline in Thailand**  
Hotline  
24-hour Migrant Worker addresses forced labor in export industries and global supply chains. The callers make up a virtual informant network, giving a collective
- ACT! App**  
Mobile application  
ACT! is an educational gaming app for junior high and high school students, aiming to help them recognize and correctly identify cues or "Red flags" that could signify a situation where trafficking may be
- Aangan mobile child safety App**  
Mobile application  
The Aangan app is used by Indian NGO Aangan to support its hotspot model to select priority locations in districts linked to trafficking, child marriage, hazardous work and harm. A way for
- AgriDigital**  
Software  
AgriDigital is an Australian cloud-based commodity management platform that transforms the way to buy, sell and store grain. AgriDigital is using blockchain to provide payment security and
- Amader Kotha Hotline**  
Hotline  
Amader Kotha is a technology-driven helpline that receives calls from workers on over 500 issues a month, including complaints about wages and benefits, and fire danger inside and outside factories.
- Ambrosus**  
Multi-platform  
Ambrosus is a blockchain Internet of Things (IoT) platform dedicated to bringing transparency to the food and pharmaceutical supply chains. In addition to its food tracing mechanism, Ambrosus has also launched
- Analyze**  
Software  
Analyze is a full suite for digital investigations into hashtags (unique identifiers) of known child sexual abuse material (CSAM) found on the internet. The filtering techniques can detect skin tones — even in low light or
- Apprise App**  
Mobile application
- Artemis' Umbrella App**  
Mobile application
- Automatic Identification System**

<https://techagainstrafficking.org/interactive-map/>

# THANK YOU

Contact

[thi.hoang@globalinitiative.net](mailto:thi.hoang@globalinitiative.net)

[www.globalinitiative.net](http://www.globalinitiative.net)



# GLOBAL INITIATIVE

AGAINST TRANSNATIONAL  
ORGANIZED CRIME