WEBINAR

From the Open Apparel Registry to Open Supply Hub

WHAT WE'LL COVER

- What is Open Supply Hub? (15 mins)
- Platform Sneak Peek (10 mins)
- Data Spotlight (5 mins)
- What this means for you (10 mins):
  - OAR Users
  - New Users
  - Join us for launch!
- Live Q&A (15 mins)

Supply chains are complex and opaque

Lack of visibility is harmful

Modern Slavery

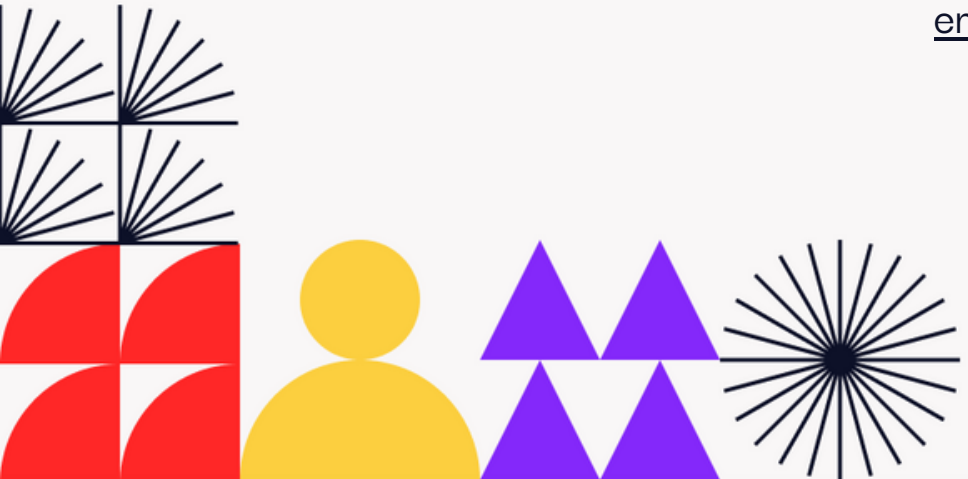
16 million people ↗ are exploited as forced labor in private sector supply chains, without means of remediation.

GHG Emissions and Climate Change

Eight global supply chains account for over 50% of annual greenhouse gas emissions ↗.

Deforestation

Commercial agriculture—providing raw materials for global clothing, furniture and packaging—is responsible for over 70% of forest destruction ↗ in tropical and subtropical countries.



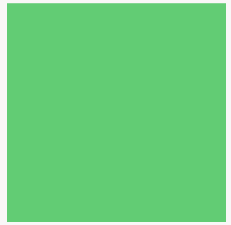
Without quality supply chain data, these issues can't be addressed.

Facility name and address data is not standardized within or across retail industries

Data is riddled with errors and duplications

Data is not open or easily accessible to all parties / stakeholders

Collaboration and data sharing is difficult, despite being needed more than ever to solve intractable problems



There is no one universal ID for facilities that is free and open to all

Seamless data exchange between systems isn't possible without a unique, open ID.

Silos prevent comprehensive supply chain mapping

The retail sector doesn't operate in silos. Multicategory retailers and service providers need a cross sector approach

To address global shared issues like climate change and human trafficking, we need collaboration.

The key is high quality, open supply chain data.

Introducing

OPEN SUPPLY HUB

Brought to you by

OPEN APPAREL REGISTRY

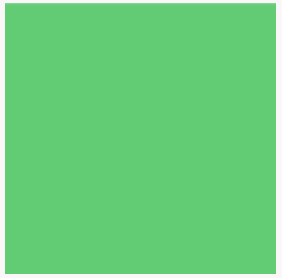
Open Supply Hub will have...

One Common Registry

Cross-sector supply chain data is collected in a single place, accessible to all.

Reliable Data

All data contributed to the platform is cleaned and deduplicated by a matching algorithm, and then assigned an industry-standard ID.



Global Collaboration

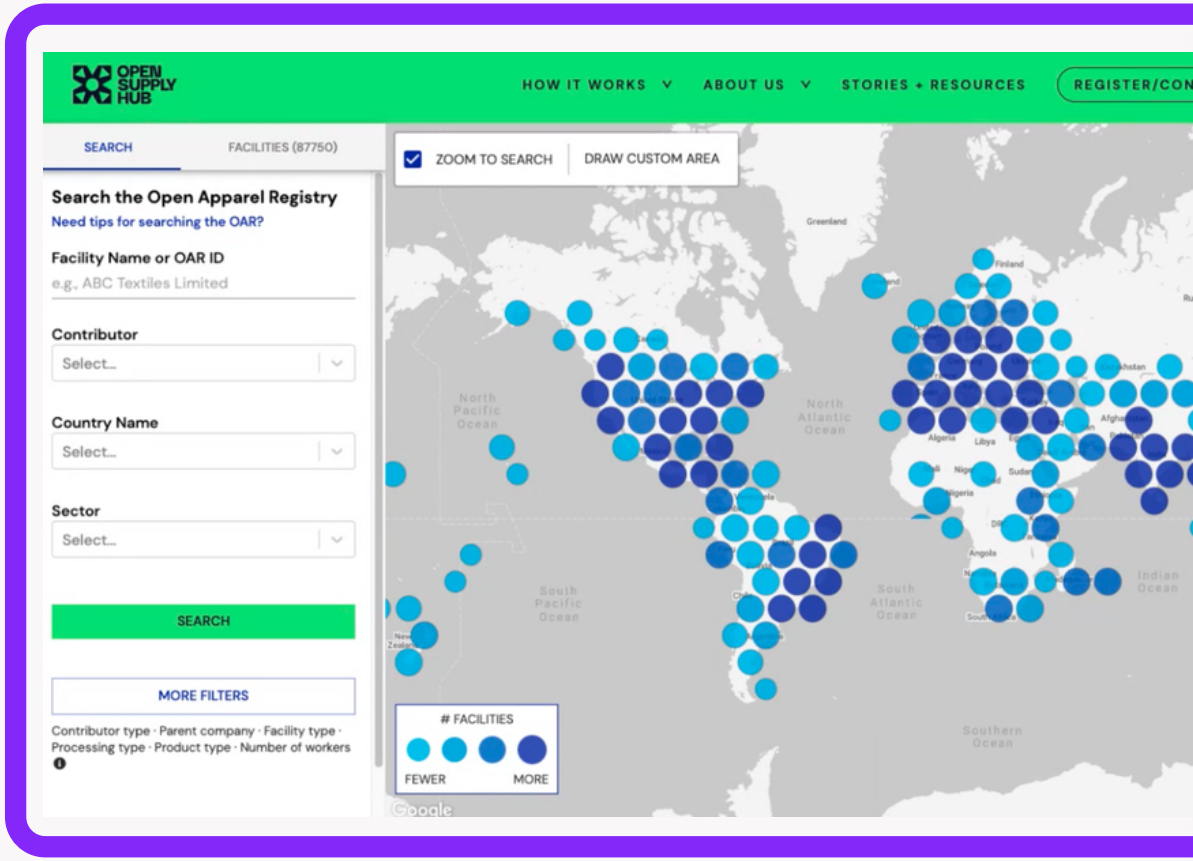
The user-generated dataset gives visibility into which organizations are connected to which facilities, accelerating collaboration.

Open Supply Hub

A user-friendly, managed database. The organization will be a neutral, non-profit, governed by a multi-stakeholder Board of Directors.

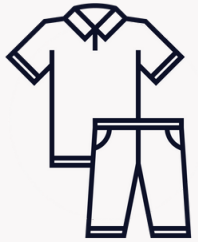
OS Hub will include:

- Database
- Statistical Model
- OS Hub Managers and Support
- Third party data integrations



*This is a working design for Open Supply Hub and is not yet final.

Which sectors will OS Hub include?



Apparel

Beauty

Consumer Goods

Electronics

Furniture

Sporting Goods

AND MORE!

How will Open Supply Hub work?

Organizations from across multiple sectors can contribute data to the tool

DATA SOURCE

Facility lists uploaded directly by contributing organizations (manually via CSV or via API)

Facilities upload the names and addresses of their facilities

OS Hub Team regularly adds publicly available facility lists

DATA UPLOADED

Facility name, address and sector are obligatory

Additional data points include:

- Type of Facility
- Type of Processing
- Parent Company
- Number of Workers
- Type of Product

MATCHING ALGORITHM + GEOLOCATION

OS Hub processes data using a statistical model to identify which facilities already exist in the tool

Existing facilities and OS IDs returned to Contributors as a match

New entries created and allocated their own OS ID

DATA PUBLISHED

Map of global facilities

Facility profiles display name, address, GPS coordinates, data source(s), OS ID and additional contributed data points

All data is open licensed

Open Supply Hub (OS Hub) will be **an accessible, neutral, collaborative supply chain mapping tool** populated and used by stakeholders across sectors.

OS Hub is brought to you by the team behind the Open Apparel Registry, with a track record of bringing an unprecedented level of openness and standardization to apparel facility data. Now, the OAR is **expanding to progress sustainability and human rights agendas**.

Committed OAR users and potential OS Hub users range from industry executives ↗ seeking collaborators on improvement initiatives, to civil society organizations ↗ campaigning for improved conditions for workers and academic researchers↗ analyzing future risk to the industry from rising sea levels. Read stories↗ of the OAR's impact to date.

In three years, the OAR has already achieved:

96,000+

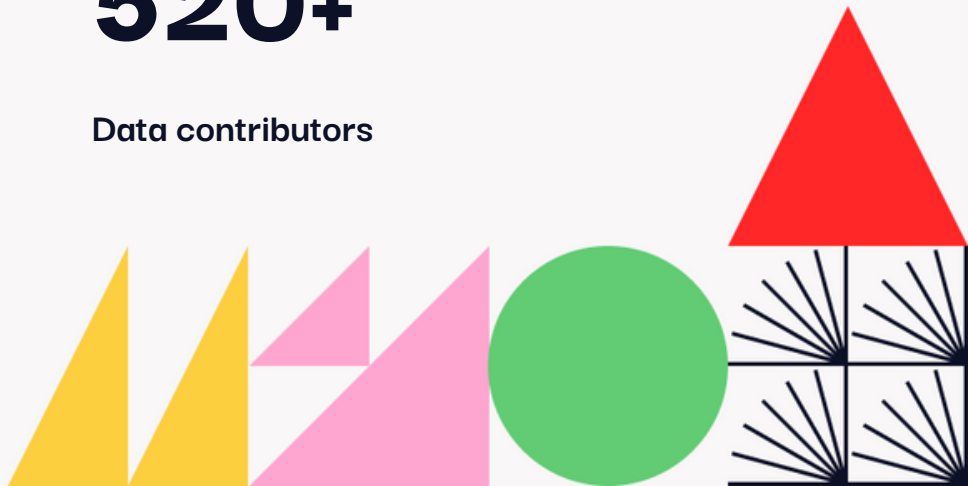
Factories mapped

2,000+

Monthly active users

520+

Data contributors



Why now?

We've proved that an open data platform is the solution to this collective problem. Expanding to Open Supply Hub is the natural next step.

1.

The technology, governance and stakeholder model already exist and were built for replication and scale

– The open OAR model has proven results and impact with its technology, model and team
– A singular focus on apparel is preventing some users from onboarding to the OAR, despite expressed desire to use the tool

2.

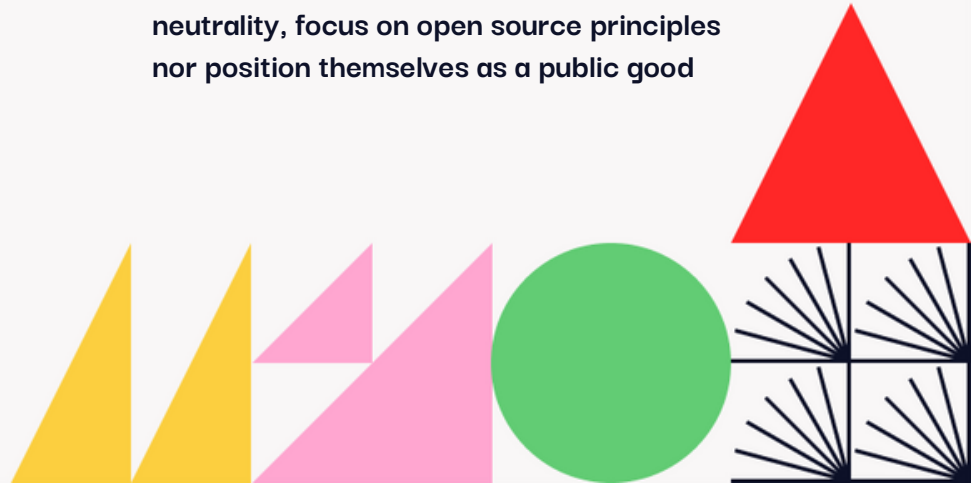
Industry trusts the OAR approach and is actively seeking OS Hub

– Key stakeholders including retailers, service providers and civil society encouraged the OAR to consider expansion
– Established trust and neutrality will ease introduction into additional organizations and sectors

3.

OAR's position as a neutral public good is unique and fosters collaboration

-Alternative tools do not offer guarantees of neutrality, focus on open source principles nor position themselves as a public good



What we've achieved so far

Clean, open, uniform data that drives positive impact for those working in supply chains - and for the environment - through collaboration, research, and accountability:

STOP THE TRAFFIK
PEOPLE SHOULDN'T BE BOUGHT & SOLD

Stop the Traffik has overlaid OAR data with other datasets to identify hotspots and trends where human trafficking is taking place. They and their partners can act on this analysis.

Cornell University

Cornell University has overlaid OAR data with data indicating areas at risk of flooding through climate change, raising an alarm that thousands of apparel factories will be flooded by 2030.

Kathmandu®

"The OAR provides the perfect vehicle for collaboration between brands, and eliminates previous confusion relating to facility names and addresses."

WWF®

"Data in the OAR enables WWF to efficiently find and form transformational partnerships with the brands it most needs to reach in order to deliver effective conservation of the world's biodiversity."

OPEN SUPPLY HUB

“We know that Open Supply Hub and its standardized supply chain data will be a key piece in identifying areas where we can collectively focus our attention, with the goal that products and services are being provided in a way that respects human rights and the environment.”

LEIGH ANNE DEWINE

DIRECTOR OF SOCIAL RESPONSIBILITY, AMAZON

How it Works + Platform Sneak Peek

Explore global supply chain data

Facilities | Contributors

Find facilities by name, OS ID, contributor or keyword

What are you looking for?

Country Name

Select

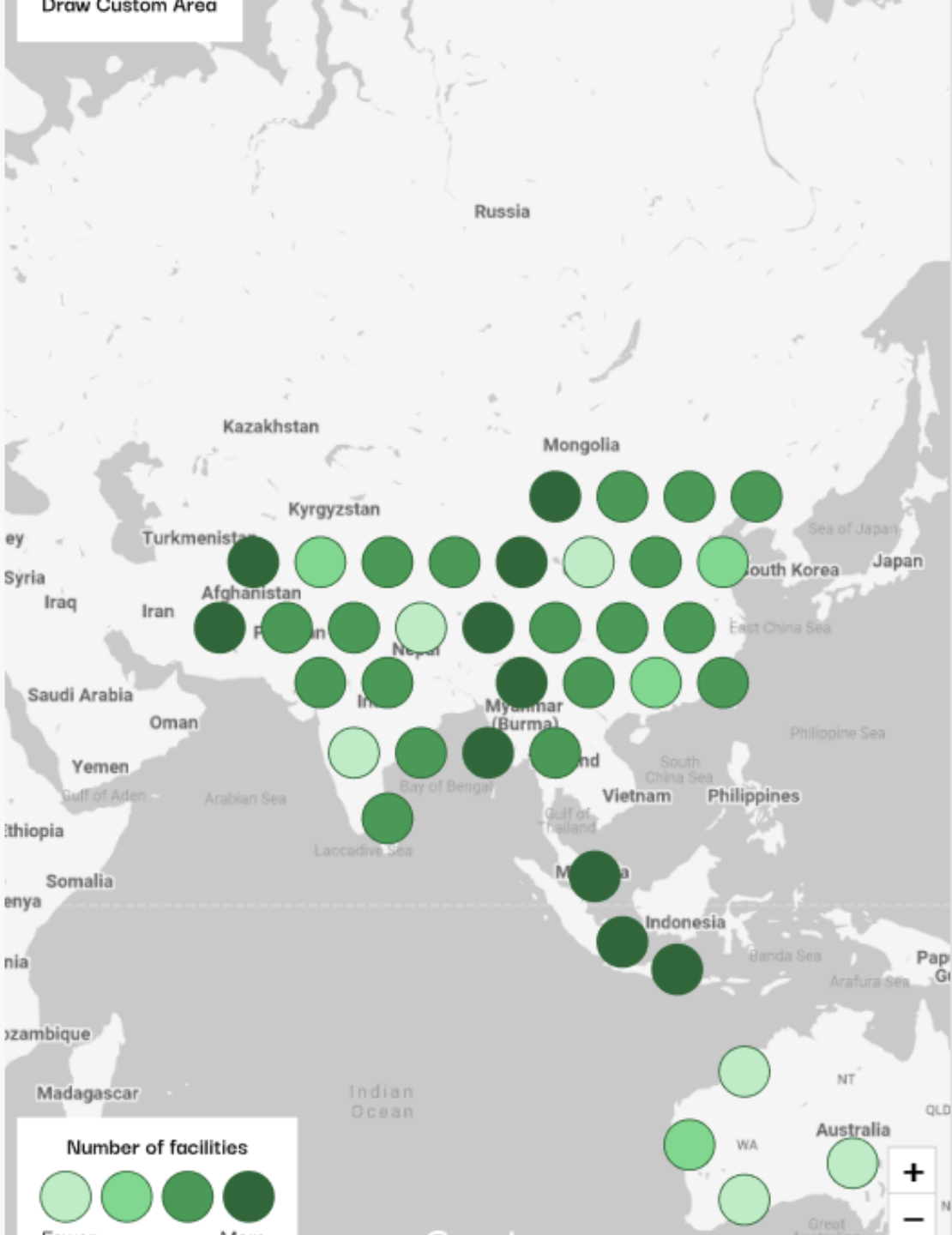
Number of Workers

Select

2 More Search Filters

Find Facilities

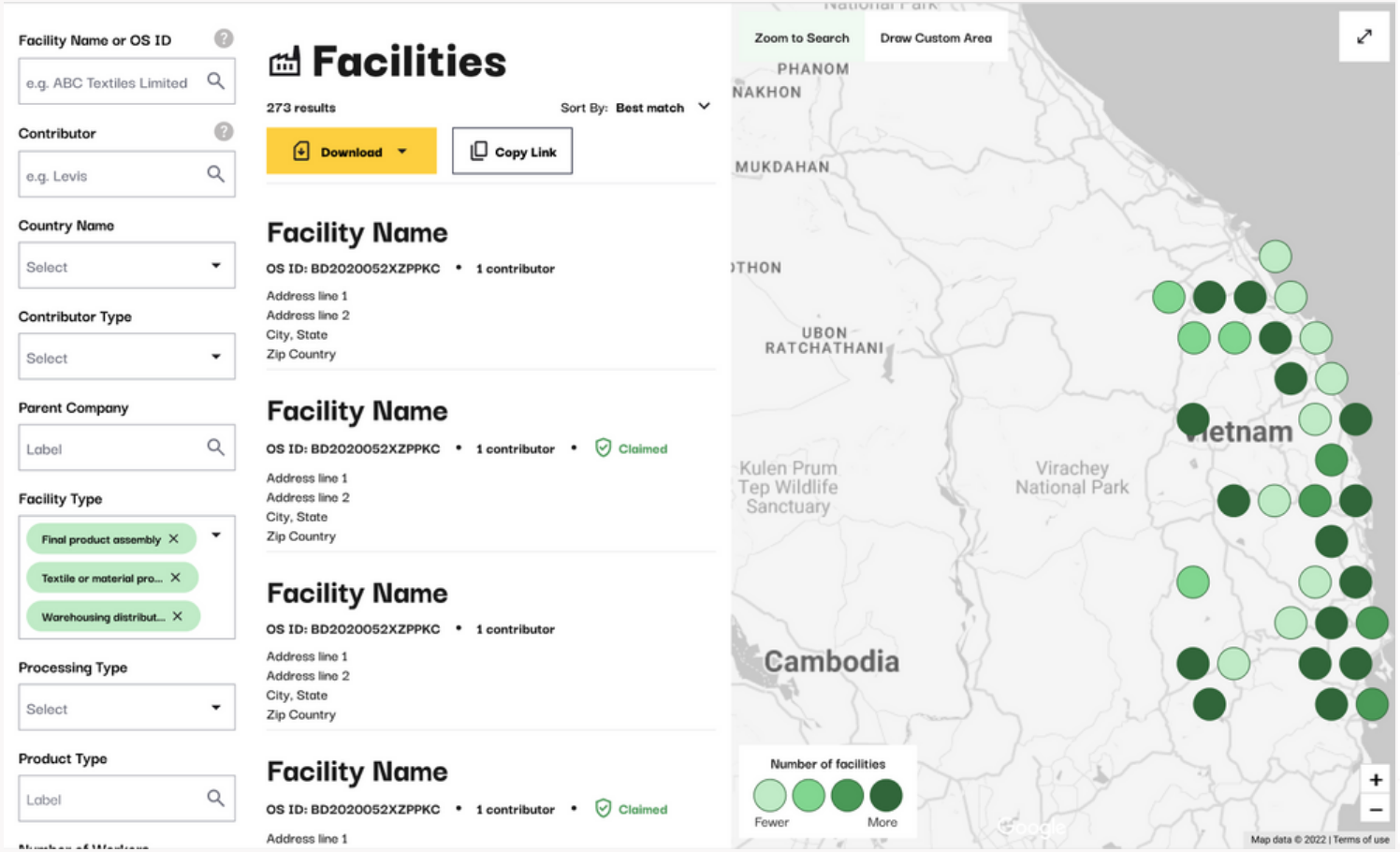
Reset Search

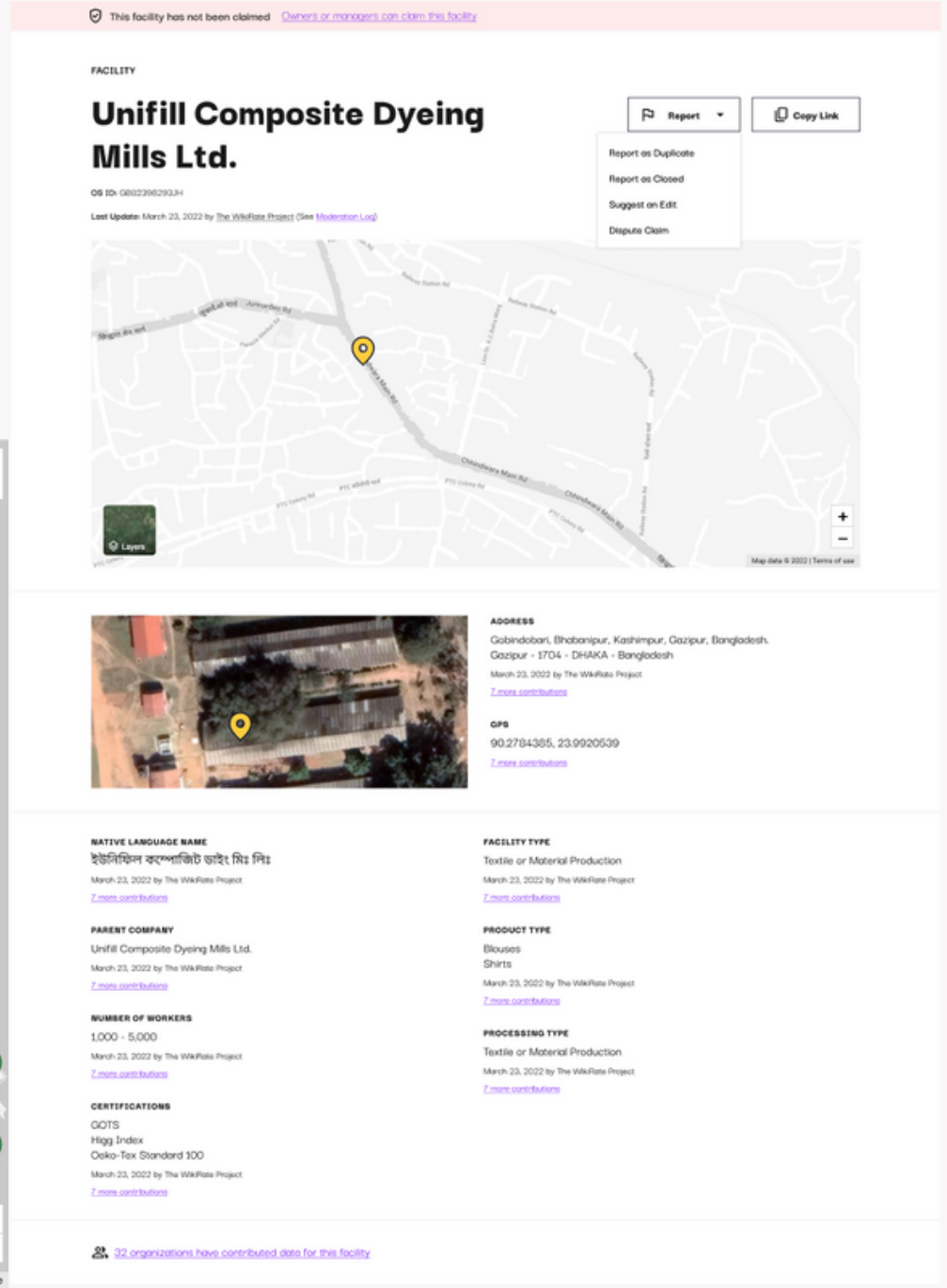


Other UX Changes

Facility Search & Profile Page

- Updated display of data points to avoid cognitive overload
- The ability to see search results and adjust filter values on one page
- Sector field will be an added field on facility pages





How will Open Supply Hub work?

Organizations from across multiple sectors can contribute data to the tool

DATA SOURCE

Facility lists uploaded directly by contributing organizations (manually via CSV or via API)

Facilities upload the names and addresses of their facilities

OS Hub Team regularly adds publicly available facility lists

DATA UPLOADED

Facility name, address and sector are obligatory

Additional data points include:

- Type of Facility
- Type of Processing
- Parent Company
- Number of Workers
- Type of Product

MATCHING ALGORITHM + GEOLOCATION

OS Hub processes data using a statistical model to identify which facilities already exist in the tool

Existing facilities and OS IDs returned to Contributors as a match

New entries created and allocated their own OS ID

DATA PUBLISHED

Map of global facilities

Facility profiles display name, address, GPS coordinates, data source(s), OS ID and additional contributed data points

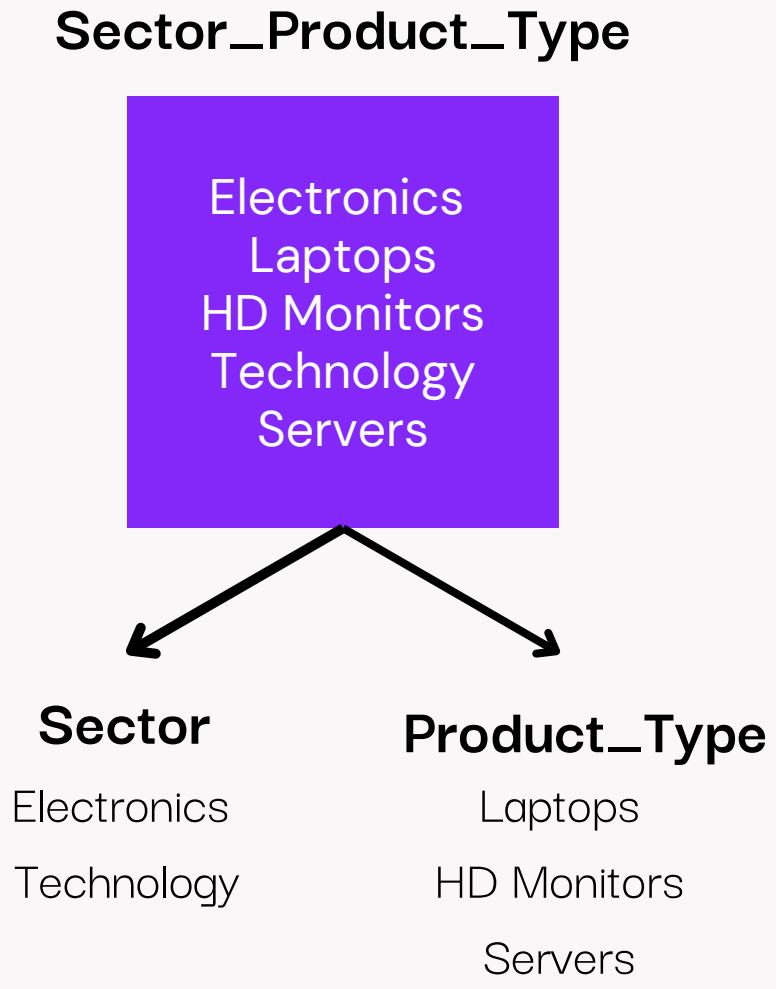
All data is open licensed

New data point: Sector

The addition of sector as a data point is the first step in enabling the OS Hub to bring its matching algorithm and data cleaning and visualization features to non-apparel supply chains.

Collecting sector data, as well as other ”extended” data points like product type, is foundational to building out a knowledge graph that will underpin future development for the OS Hub - making relationships and predicting legislation and certifications relevant to a given facility.

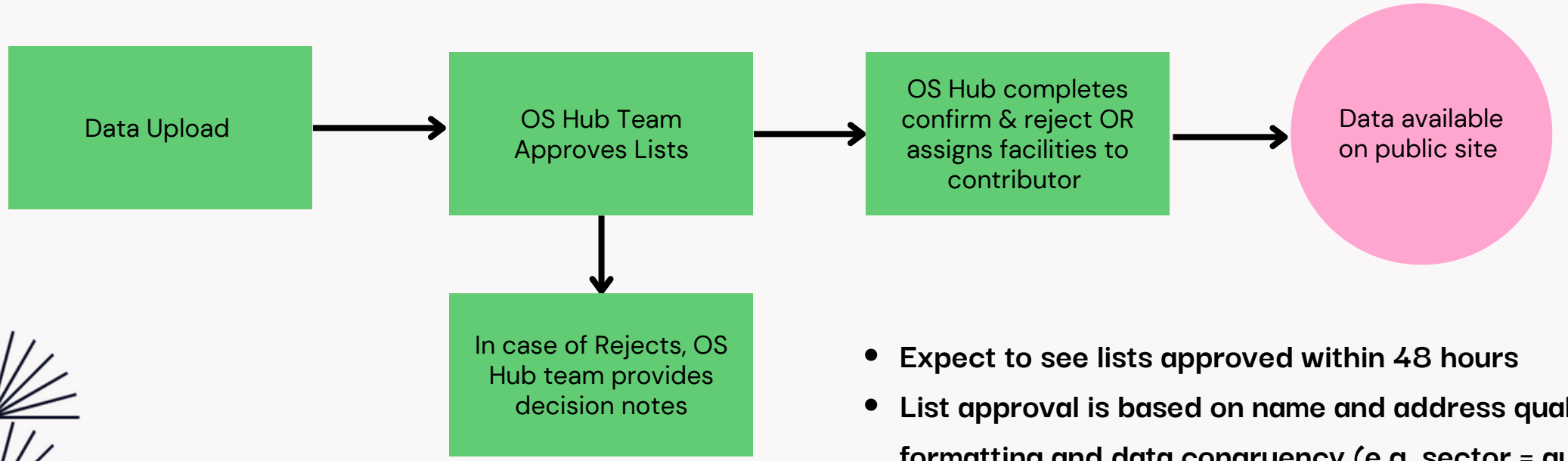
Sector will be handled similarly to the other ”extended” data points that are supported on OAR - e.g. parent company, number of workers, product type, facility type, and processing type.



Contributor Experience

Updated UX & Backend Workflow

In order to optimize for high data quality, we are making several changes to the contribution workflow:



- **Expect to see lists approved within 48 hours**
- **List approval is based on name and address quality, general formatting and data congruency (e.g. sector = automotive, product type = shoes --> incongruent)**
- **Lists can include up to 10,000 facilities**

Data Spotlight

Data matching 101

Confidence Score : 1.0 - 0.80

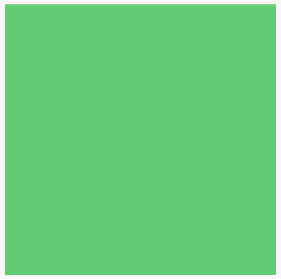
Result: **Automatic Match**

The uploaded data is matched to an existing OS ID and will join the additional data contributions within the facility profile.

Confidence Score : 0.79 - 0.50

Result: **Confirm/Reject Moderation**

The OS Hub Data Moderation team will review the suggested matches aggregated by the algorithm. Confirmation matches to an existing OS ID. Rejection will create a new OS ID.



Confidence Score : 0.49 and below

Result: **New Facility Created**

The uploaded data is below the matching thresholds and will therefore, generate the creation of a new OS ID and facility profile page.

Data Quality Strategy Highlights

Moderated and up-to-date database will be ported over to OS Hub

GOAL

Ongoing De-duplication of entire OAR database

Refined facility matches to improve ”Facility Group” listings

Updates to De-duplication algorithm & training model

Working with our local, In-Country managers to promote the highest quality address matches within the facility profile

ACTION ITEMS

What this means for you...

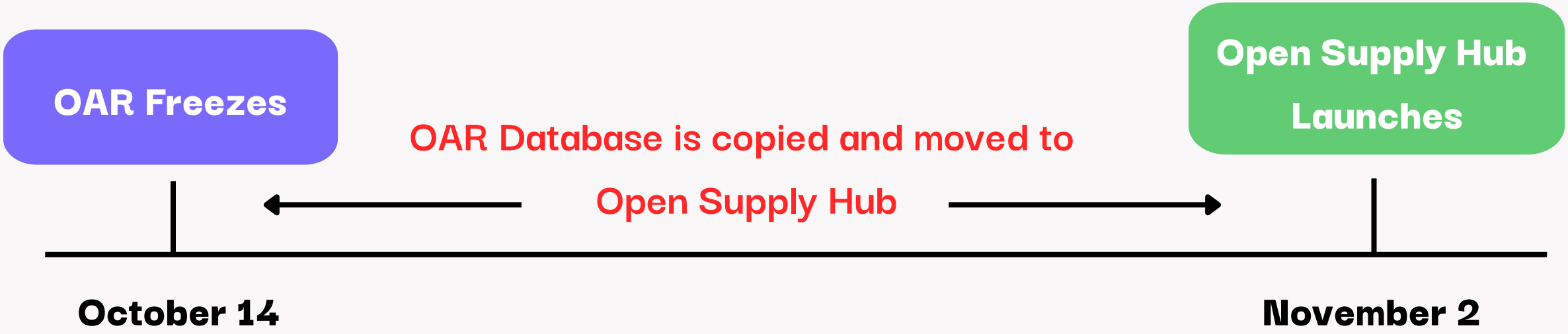
Open Supply Hub:

Launching

November 2

What happens to the OAR?

All OAR links redirect to Open Supply Hub



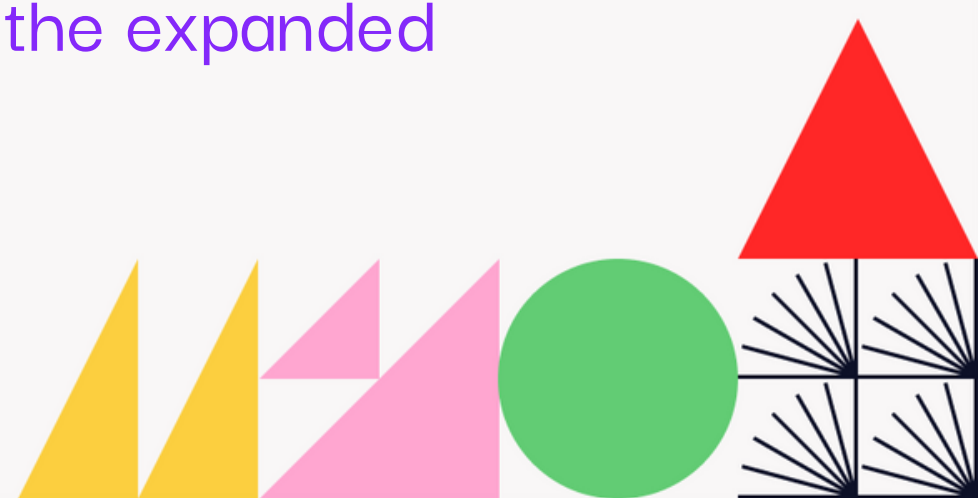
From October 14 onward, no data can be uploaded, edited or changed in the OAR. It will still be available for search and download. Starting November 2, Open Supply Hub will be where all future uploads, edits and data changes can be made.

Current OAR users with only apparel data:

You do not need to do anything with your data in and around launch. Your data will be automatically transferred to Open Supply Hub and assigned ”apparel“ as its sector. Your log-in will remain the same, so you can sign in and update your data at whatever cadence is appropriate for your organization.

Users with data in sectors beyond apparel

Have facilities that you currently list in the OAR that aren't actually apparel (jewelry, eye glasses, sporting goods, home goods, etc) or wish to add non-apparel data to your contribution? We will have a window of opportunity for you to update your data in Open Supply Hub prior to launch, so it can be listed within the correct sectors when the expanded platform goes live.

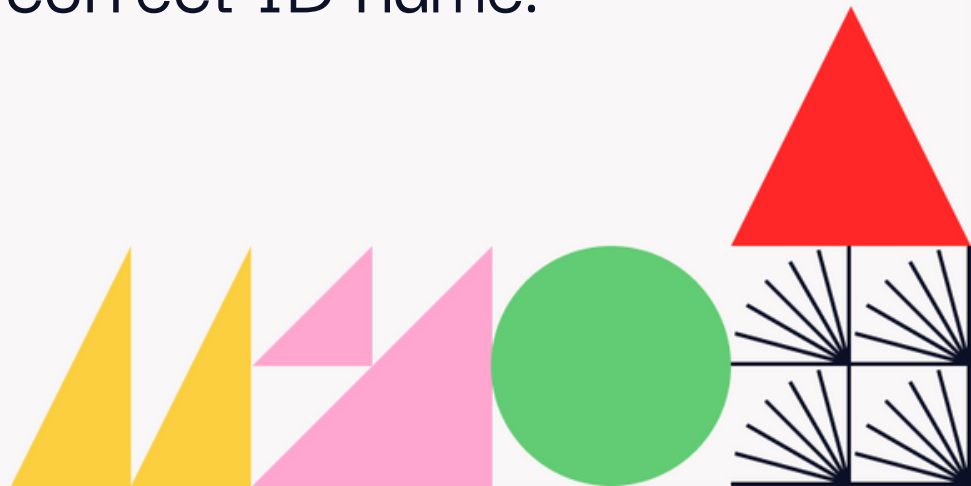


Embedded Map & API Users

We'll be reaching out to you directly with information about how our expansion will affect these specific features.

Have you integrated the OAR ID into your systems?

To match our updated name, the name of our ID will change from OAR ID to OS ID. This will not affect the IDs themselves, but if you have a label for those IDs in any of your systems, you will want to update the label to match the correct ID name.



Do you mention the OAR on your website or in your organization's materials?

We will have updated graphics, materials and branding guidelines that you can use, to ensure you are linking to and mentioning Open Supply Hub, instead of the Open Apparel Registry.

Be a part of the launch of Open Supply Hub

Have supply chain data from sectors outside apparel?

Upload to Open Supply Hub from October 17 - 24 to be included in launch.

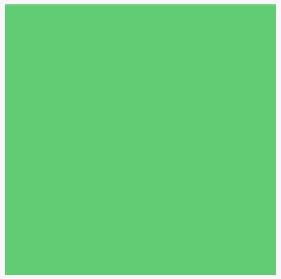
Sign up to receive templates and instructions at:

bit.ly/OSHubLaunch

Resources coming your way...

Templates for preparing data

Guides for uploading & searching



Brand guidelines & marketing assets

Final Items:

- This presentation and a recording will be shared following the presentation.
- Sign up to be a part of launch at: https://bit.ly/OSHubLaunch
- Templates and resources to be released in the coming weeks.
- Email info@openapparel.org with questions.

OPEN SUPPLY HUB

“Radical transparency is critical to creating the accountability we need for more equitable and climate-positive industries. This starts with openly sharing supply chain data.”

LESLIE JOHNSTON

CEO, LAUDES FOUNDATION

Q&A

Thank you!