Traceability and Validation on Supply Chain Mapping

供应链的可追溯性和审批方式

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Sustainability Specialist

Neste

Driven by our purpose

WE ARE
NEARLY
5,500
dedicated professionals committed to our purpose

OUR CUSTOMERS
reduced their GHG emissions by 7.9 million tons with our renewable products

We have been selected as the world's
3RD MOST SUSTAINABLE COMPANY

WE REACHED
1,422 M€
comparable operating profit of which 69% came from our renewables

*Figures at the end of year 2018.

Our way of doing sustainable business

People

- Human rights
- Incident-free operation and safety of our people and society
- Fair and equal employment
- Good corporate citizenship and ethics

Climate

- Low-carbon solutions: renewable fuels and renewable polymers & chemicals

Environment

- Sustainability of raw materials
- Resource efficiency
- Protecting biodiversity and preventing deforestation

Global 100:

Neste is the 3rd most sustainable company in the world.

NESTE

From low quality raw materials to high quality products

We are the world's number

1

renewable diesel provider with the capacity of 2.9 million tons

The share of waste and residues is over

80%

of our renewable raw materials

Neste MY Renewable Diesel reduced GHG emissions by the amount equaling the annual carbon footprint of

1.2

million EU citizens

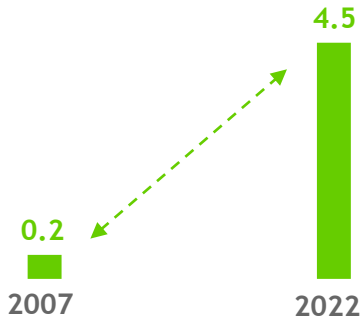
Renewables Platform

PRODUCTION CAPACITY:

2.9

million tons
annually

Production capacity growth



Our renewable raw material portfolio consists of over

10

different globally sourced waste and residue raw materials

Waste and residues account for

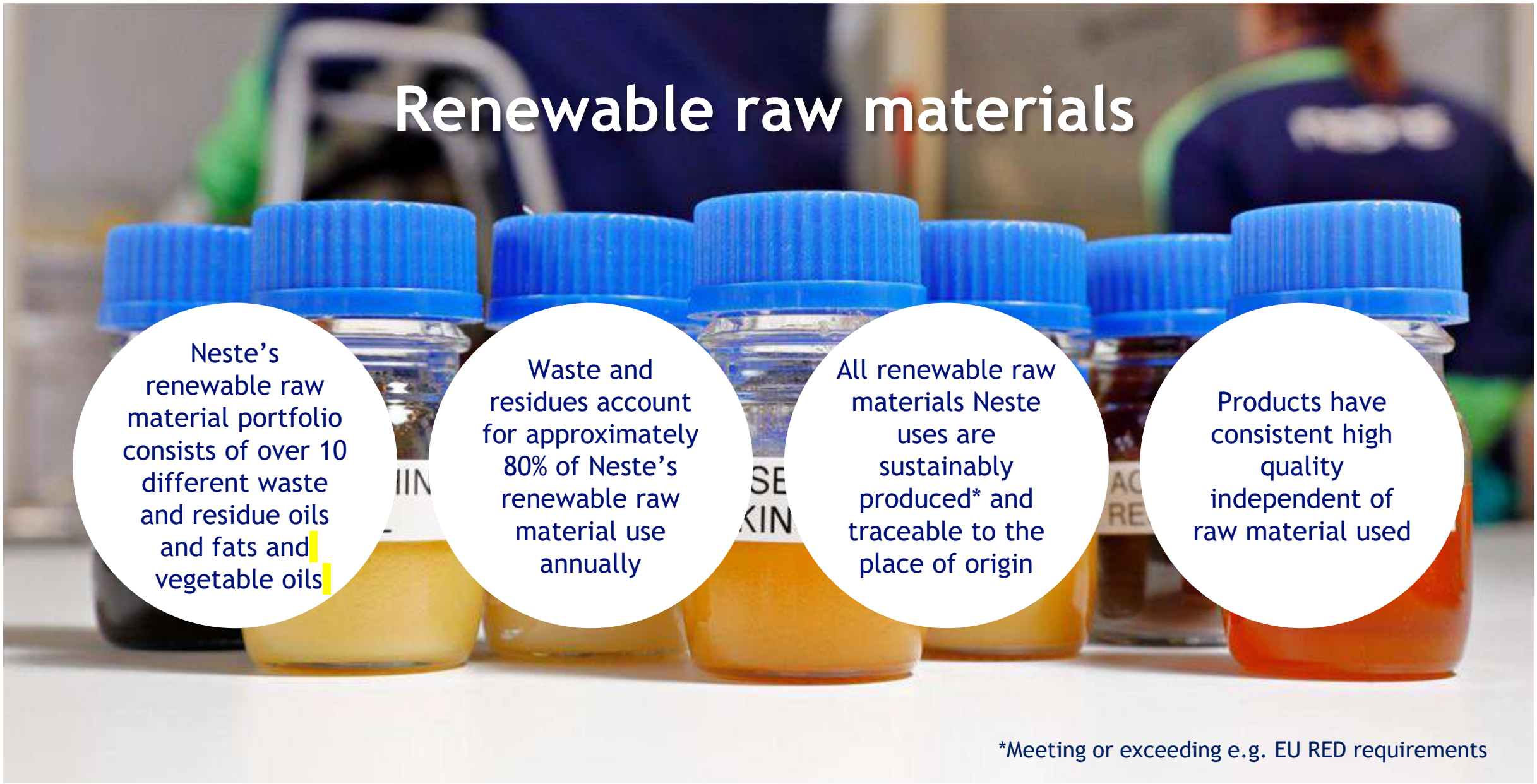
83%

of our total raw material usage to produce renewable products

NESTE

Sustainability of renewable raw materials

Renewable raw materials



Neste's renewable raw material portfolio consists of over 10 different waste and residue oils and fats and vegetable oils

Waste and residues account for approximately 80% of Neste's renewable raw material use annually

All renewable raw materials Neste uses are sustainably produced* and traceable to the place of origin

Products have consistent high quality independent of raw material used

*Meeting or exceeding e.g. EU RED requirements

NESTE

We accept only sustainably-produced renewable raw materials from suppliers who
• meet our strict criteria and
• fully comply with the industry-specific regulatory requirements in our key markets.

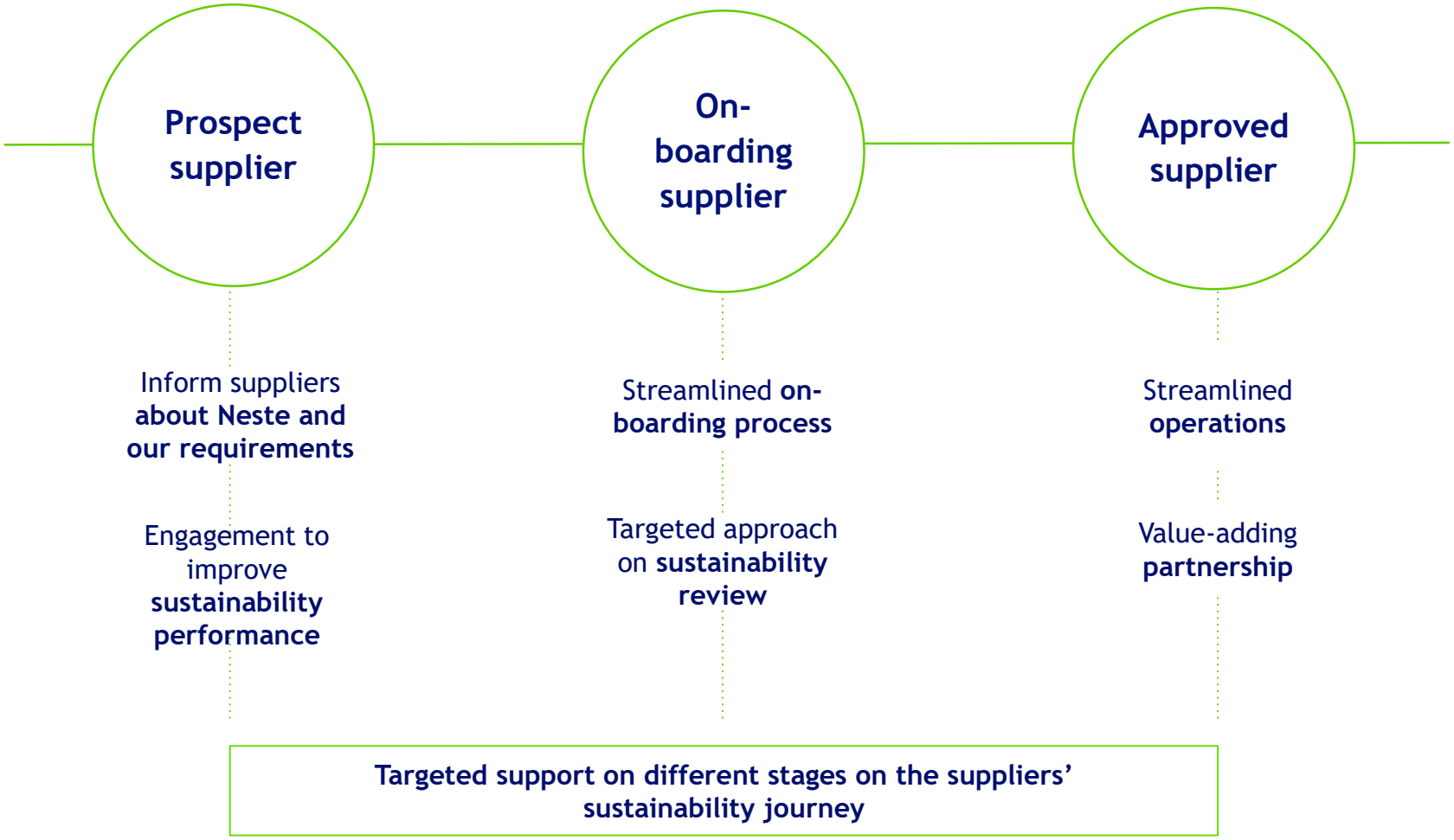
All renewable raw materials sustainably produced

We source our renewable raw materials only from known sources; traceable back to their cultivation sites or production plants.

Traceability provides us with visibility into the raw material supply chain; enables efficient monitoring and engagement.

Traceability helps us ensure that raw material production does not infringe human rights or put forests or carbon-rich areas at risk.

How to become Neste's Supplier



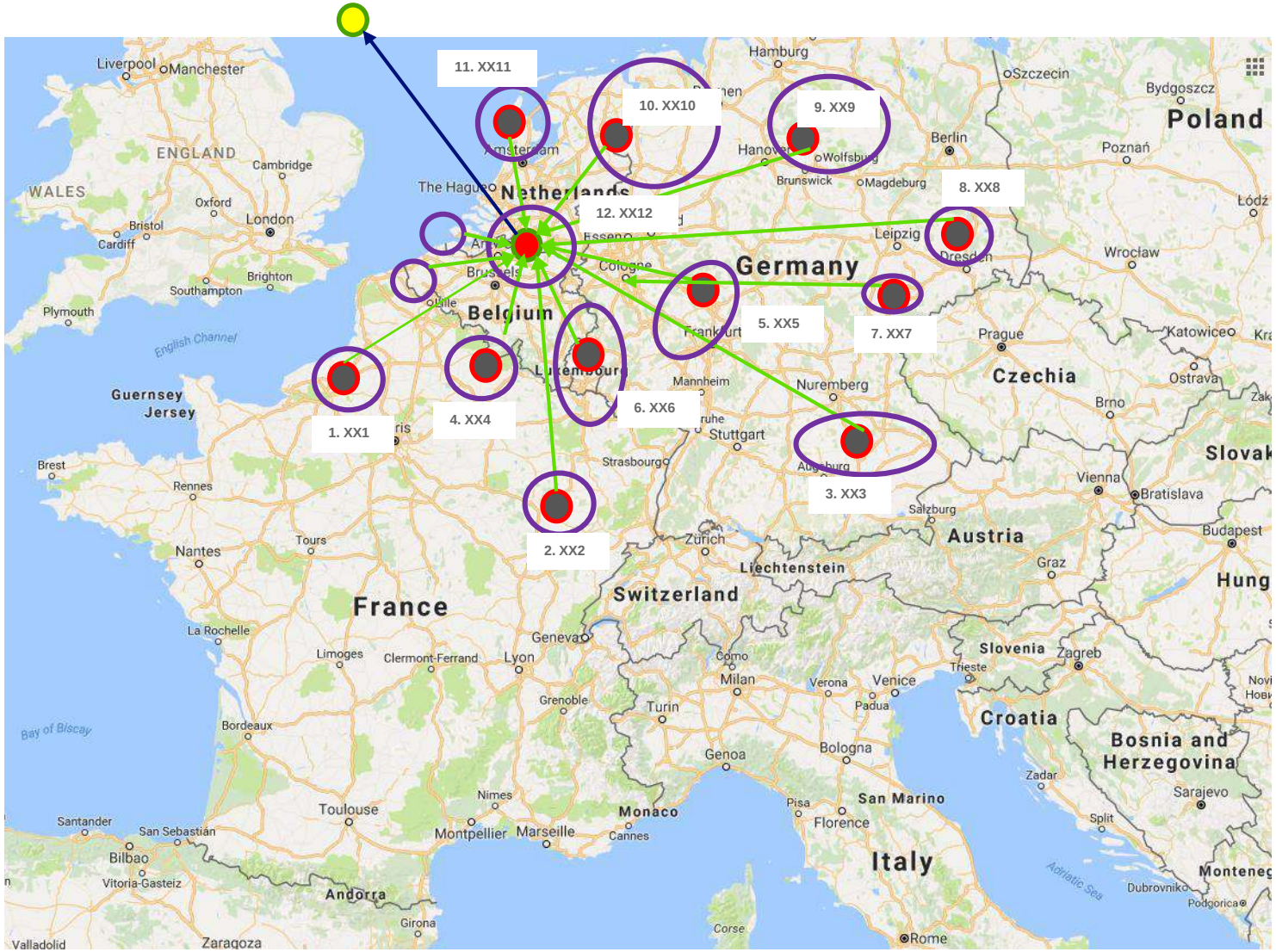
Suppliers Documents Check

- Business license / permit
  - Scope of business activity, facility, products/ materials
  - Geographical areas of business activities
  - Background check on the supply chain
- Environmental & OHS permits
  - Supply chains – e.g. collection points, processing units.
- Human resources policies
  - Provisions for employees – minimum wages, insurance, medical benefits, overtime pay
  - Safe working environment, provide PPE, etc.

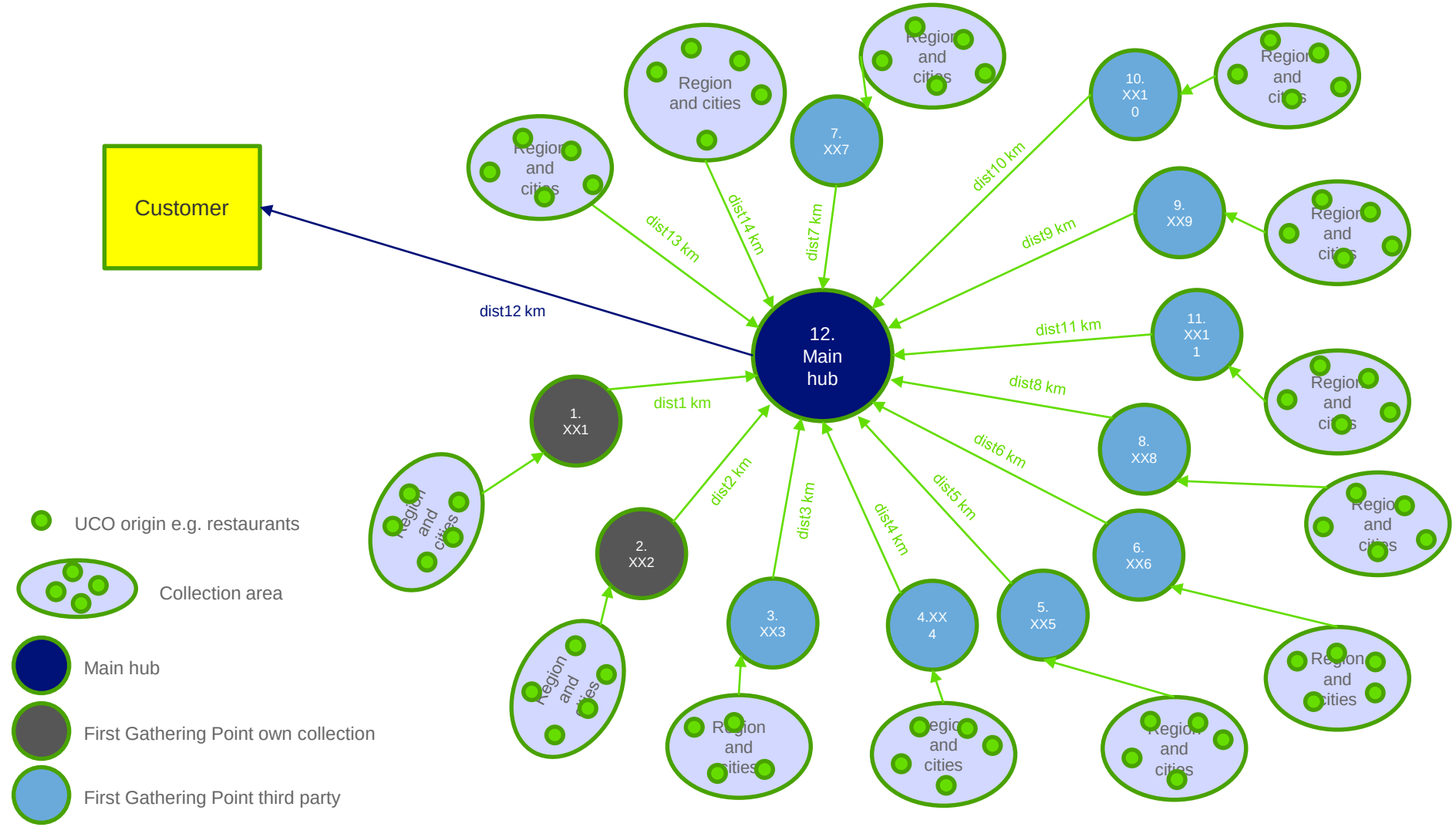
Geographic map of supply chain

LEGEND :

- Collection area
- Warehouse
- Main hub: Filtering, cleaning and storage
- Customer



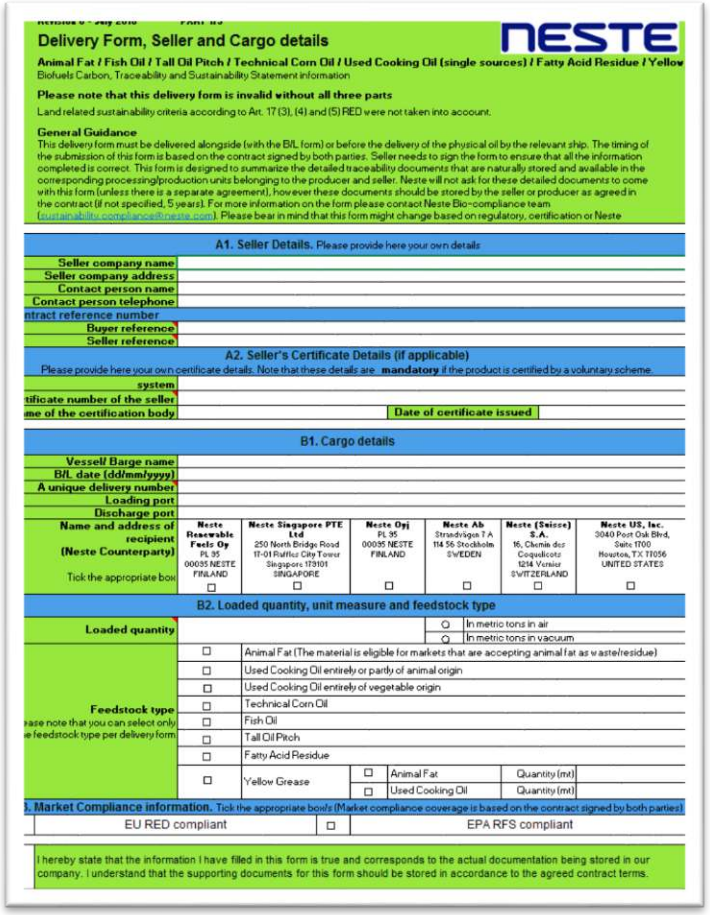
Schematic diagram of Supply chain



Listing of Supply chain

Number	Name	Address	City	Country	Collection area	Volume (mt/month)	Type of sources (restaurants, food processing, etc)	Office (Y/N)	Warehouse, Storage (if yes storage in mt)	Treatment (Y/N, if Y what type)	Transport to main hub/customer	Transport (own, external)	Distance (km)
1	Name1	address XX1	City1	Country	Region and cities	50	Restaurants	N	Warehouse (100 mt)	N	Transport to Main hub	External	dist1
2	Name2	address XX2	City2	Country	Region and cities	80	Restaurants	N	Warehouse (100 mt)	N	Transport to Main hub	External	dist2
3	Name3	address XX3	City3	Country	Region and cities	100	Restaurants	N	Warehouse (200 mt)	N	Transport to Main hub	Own	dist3
4	Name4	address XX4	City4	Country	Region and cities	15	Restaurants	N	Warehouse (100 mt)	N	Transport to Main hub	Own	dist4
5	Name5	address XX5	City5	Country	Region and cities	150	Restaurants	N	Warehouse (300 mt)	N	Transport to Main hub	Own	dist5
6	Name6	address XX6	City6	Country	Region and cities	250	Restaurants	N	Warehouse (500 mt)	N	Transport to Main hub	Own	dist6
7	Name7	address XX7	City7	Country	Region and cities	300	Restaurants	N	Warehouse (300 mt)	N	Transport to Main hub	Own	dist7
8	Name8	address XX8	City8	Country	Region and cities	25	Restaurants	N	Warehouse (50 mt)	N	Transport to Main hub	External	dist8
9	Name9	address XX9	City9	Country	Region and cities	170	Restaurants	N	Warehouse (200 mt)	N	Transport to Main hub	Own	dist9
10	Name10	address XX10	City10	Country	Region and cities	50	Restaurants	N	Warehouse (100 mt)	N	Transport to Main hub	Own	dist10
11	Name11	address XX11	City11	Country	Region and cities	120	Restaurants	N	Warehouse (150 mt)	N	Transport to Main hub	External	dist11
12	Main Hub	address XX12	City12	Country	Region and cities	800	Restaurants	Y	Storage (3x500 mt)	Y	N/A	Own for collection and External to customer	dist13, dist14, dist12
						2110							

Traceability – Delivery Forms



Delivery Form, Seller and Cargo details

Animal Fat / Fish Oil / Tall Oil Pitch / Technical Corn Oil / Used Cooking Oil (single sources) / Fatty Acid Residue / Yellow

Biofuels Carbon, Traceability and Sustainability Statement information

Please note that this delivery form is invalid without all three parts

Land related sustainability criteria according to Art. 17 (3), (4) and (5) RED were not taken into account.

General Guidance

This delivery form must be delivered alongside (with the B/L form) or before the delivery of the physical oil by the relevant ship. The timing of the submission of this form is based on the contract signed by both parties. Seller needs to sign the form to ensure that all the information completed is correct. This form is designed to summarize the detailed traceability documents that are naturally stored and available in the corresponding processing/production units belonging to the producer and seller. Neste will not ask for these detailed documents to come with this form (unless there is a separate agreement), however these documents should be stored by the seller or producer as agreed in the contract (if not specified, 5 years). For more information on the form please contact Neste Bio-compliance team (sustainability.compliance@neste.com). Please bear in mind that this form might change based on regulatory, certification or Neste

A1. Seller Details. Please provide here your own details

Seller company name	
Seller company address	
Contact person name	
Contact person telephone	
ntract reference number	
Buyer reference	
Seller reference	

A2. Seller's Certificate Details (if applicable)

Please provide here your own certificate details. Note that these details are **mandatory** if the product is certified by a voluntary scheme.

system			
tificate number of the seller			
me of the certification body		Date of certificate issued	

B1. Cargo details

Vessel/ Barge name						
B/L date (dd/mm/yyyy)						
A unique delivery number						
Loading port						
Discharge port						
Name and address of recipient (Neste Counterparty)	Neste Renewable Fuels Oy PL 95 00095 NESTE FINLAND	Neste Singapore PTE Ltd 250 North Bridge Road 17-01 Raffles City Tower Singapore 179101 SINGAPORE	Neste Oyj PL 95 00095 NESTE FINLAND	Neste Ab Strandvägen 7 A 114 56 Stockholm SWEDEN	Neste (Suisse) S.A. 16, Chemin des Coquelicots 1214 Vernier SWITZERLAND	Neste US, Inc. 3040 Post Oak Blvd, Suite 1700 Houston, TX 77056 UNITED STATES
Tick the appropriate box	☐	☐	☐	☐	☐	☐

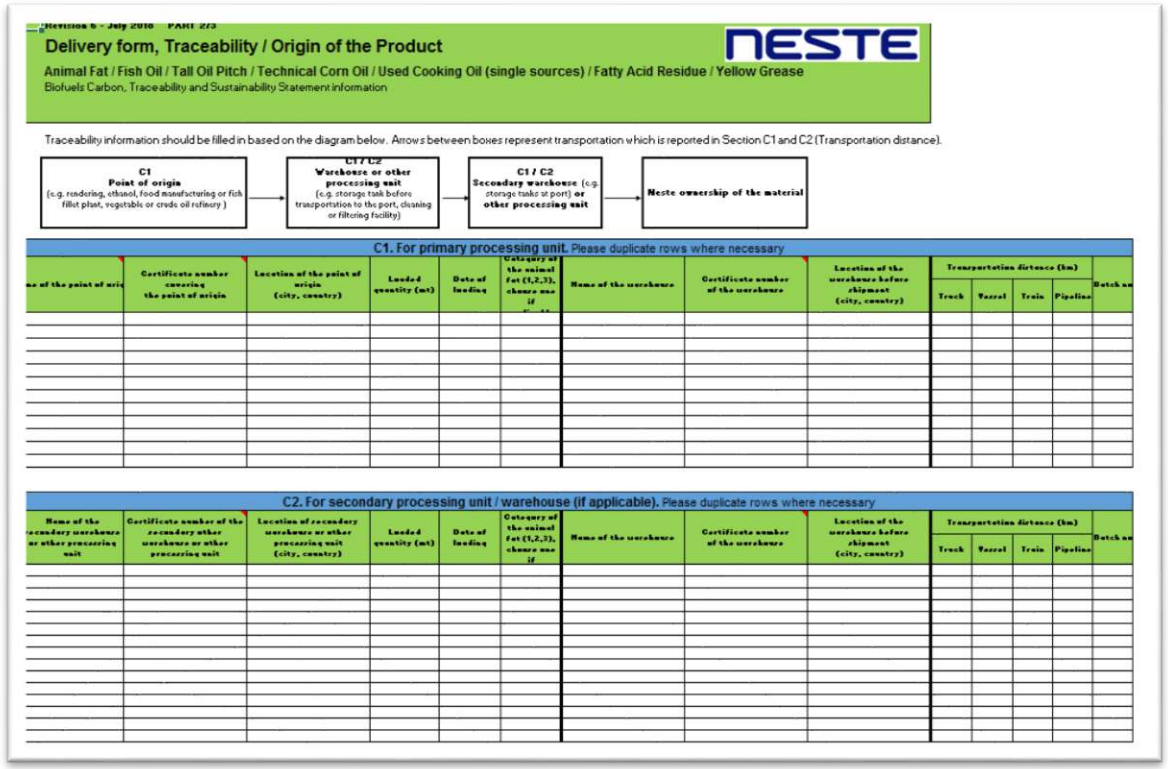
B2. Loaded quantity, unit measure and feedstock type

Loaded quantity			○ In metric tons in air ○ In metric tons in vacuum	
Feedstock type ase note that you can select only e feedstock type per delivery form	☐	Animal Fat (The material is eligible for markets that are accepting animal fat as waste/residue)		
	☐	Used Cooking Oil entirely or partly of animal origin		
	☐	Used Cooking Oil entirely of vegetable origin		
	☐	Technical Corn Oil		
	☐	Fish Oil		
	☐	Tall Oil Pitch		
	☐	Fatty Acid Residue		
	☐	Yellow Grease	☐ Animal Fat ☐ Used Cooking Oil	Quantity (mt) Quantity (mt)

. Market Compliance information. Tick the appropriate box/s (Market compliance coverage is based on the contract signed by both parties)

EU RED compliant	☐	EPA RFS compliant	

I hereby state that the information I have filled in this form is true and corresponds to the actual documentation being stored in our company. I understand that the supporting documents for this form should be stored in accordance to the agreed contract terms.



Delivery form, Traceability / Origin of the Product

Animal Fat / Fish Oil / Tall Oil Pitch / Technical Corn Oil / Used Cooking Oil (single sources) / Fatty Acid Residue / Yellow Grease

Biofuels Carbon, Traceability and Sustainability Statement information

Traceability information should be filled in based on the diagram below. Arrows between boxes represent transportation which is reported in Section C1 and C2 (Transportation distance).

C1
Point of origin
(e.g. rendering, ethanol, food manufacturing or fish fillet plant, vegetable or crude oil refinery)

→

C1 / C2
Warehouse or other processing unit
(e.g. storage tank before transportation to the port, cleaning or filtering facility)

→

C1 / C2
Secondary warehouse (e.g. storage tanks at port) **or other processing unit**

→

Neste ownership of the material

C1. For primary processing unit. Please duplicate rows where necessary

ne of the point of origin	Certificate number covering the point of origin	Location of the point of origin (city, country)	Loaded quantity (mt)	Date of loading	Category of the animal fat (1,2,3), choose one if	Name of the warehouse	Certificate number of the warehouse	Location of the warehouse before shipment (city, country)	Transportation distance (km)				Batch nu
									Truck	Vessel	Train	Pipeline	

C2. For secondary processing unit / warehouse (if applicable). Please duplicate rows where necessary

Name of the secondary warehouse or other processing unit	Certificate number of the secondary other warehouse or other processing unit	Location of secondary warehouse or other processing unit (city, country)	Loaded quantity (mt)	Date of loading	Category of the animal fat (1,2,3), choose one if	Name of the warehouse	Certificate number of the warehouse	Location of the warehouse before shipment (city, country)	Transportation distance (km)				Batch nu
									Truck	Vessel	Train	Pipeline	

Documents Check

- Business license / permit
  - Scope of business activity, facility, products/ materials
  - Geographical areas of business activities
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  - Safe working environment, provide PPE, etc.

Neste's journey towards digitalization

Launch of **the open supply chain digitalization challenge**

2016

Neste's **global sustainability hackathon** in Helsinki and Singapore

May 2017

Demo version of the system and **stakeholder engagement**

Late 2017

Supplier Sustainability Portal – launched beta version

End 2018

Supplier Sustainability Portal – beta version testing

Mid 2019

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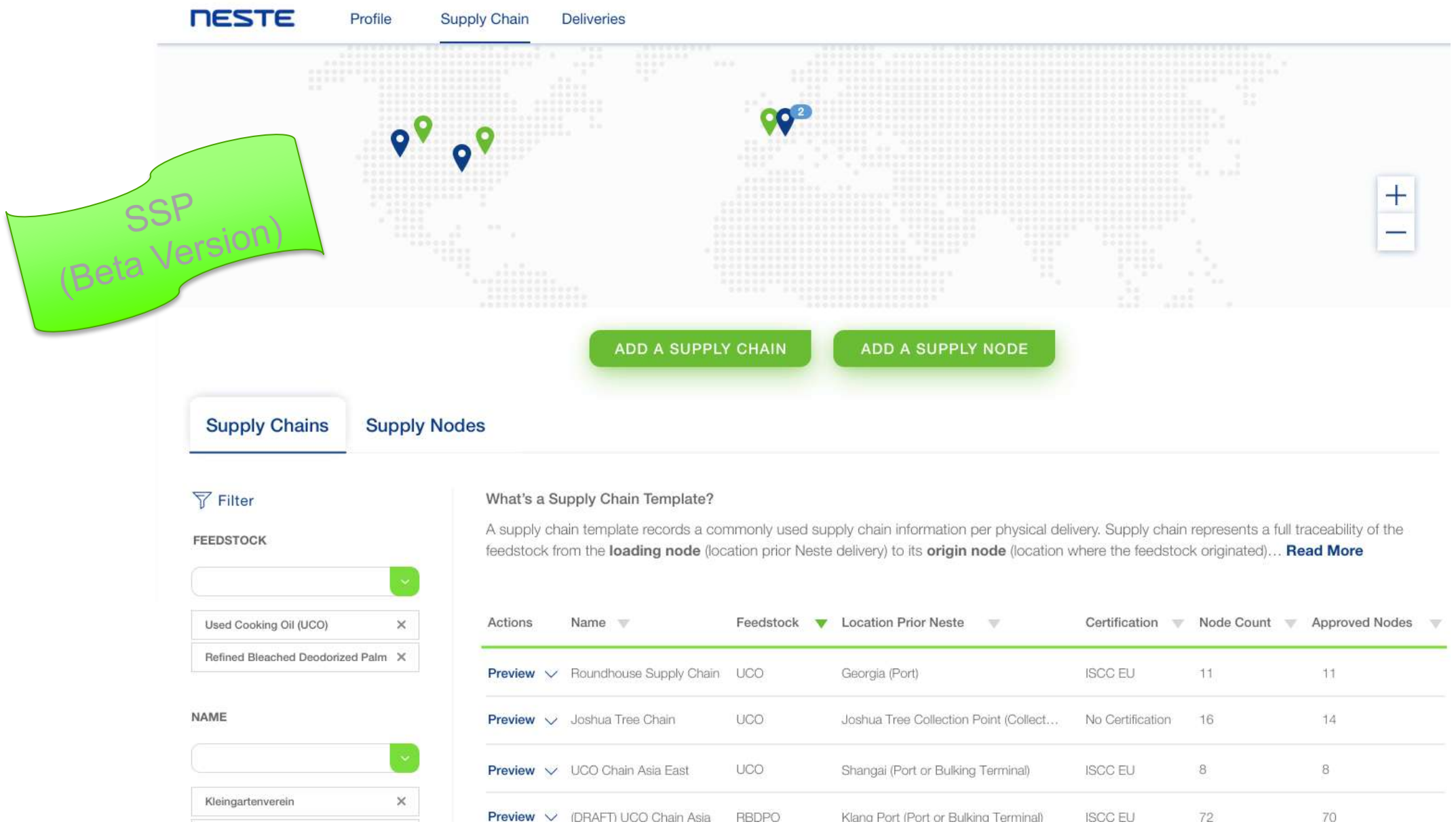
NESTE
Profile
Supply Chain
Deliveries
SSP
(Beta Version)
ADD A SUPPLY CHAIN
ADD A SUPPLY NODE
Supply Chains
Supply Nodes
Filter
FEEDSTOCK
Used Cooking Oil (UCO)
Refined Bleached Deodorized Palm
NAME
Kleingartenverein
What's a Supply Chain Template?
A supply chain template records a commonly used supply chain information per physical delivery. Supply chain represents a full traceability of the feedstock from the loading node (location prior Neste delivery) to its origin node (location where the feedstock originated)... Read More
Actions
Name
Feedstock
Location Prior Neste
Certification
Node Count
Approved Nodes
Preview
Roundhouse Supply Chain
UCO
Georgia (Port)
ISCC EU
11
11
Preview
Joshua Tree Chain
UCO
Joshua Tree Collection Point (Collect...
No Certification
16
14
Preview
UCO Chain Asia East
UCO
Shangai (Port or Bulking Terminal)
ISCC EU
8
8
Preview
(DRAFT) UCO Chain Asia
RBDPO
Klang Port (Port or Bulking Terminal)
ISCC EU
72
70

Our promise:
We will help our customers reduce their greenhouse gas emissions by at least 20 million tons every year by 2030.
Our promise:
We will reduce carbon footprint in production ahead of EU’s climate and energy targets.

The only way is forward

NESTE