

# Traceability in agricultural supply chains



Sustainable Agricultural  
Supply Chain Initiative

Trace

# What is traceability?

“‘[T]raceability’ means the ability to track any food, feed, food-producing animal or substance that will be used for consumption, through all stages of production, processing and distribution”

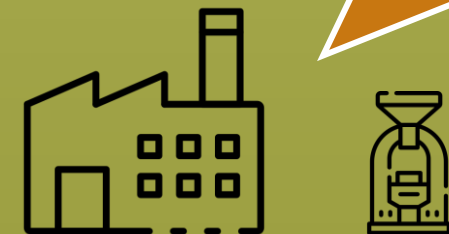
(EU Commission, 2007).



Producer  
perspective



Industry  
perspective



# Prerequisites for Smallholders



Access to  
technology  
(devices, internet  
connectivity)



Digital literacy and  
training



Supportive policy  
and regulatory  
environment



Access to  
traceability-focused  
markets and value  
chains



Standardized data  
formats and  
interoperability



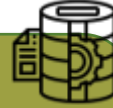
Affordable and  
scalable solutions

# Gender entry points

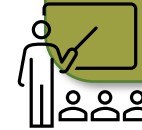
**Traceability systems  
are not gender neutral**

Which data?  
Who does the data collection?  
For what purpose?

Collection of  
data



Trainings

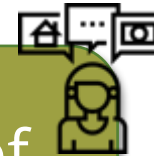


Who is  
trained? When? In which  
topics?

e.g. to whom is the  
field attributed?

Field data

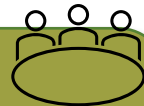
Design of  
tools



Design with the user?

e.g. who benefits from  
the use of the system?

Participation



Steering



Who decides on the use?  
Who has access to the  
system?





# INATrace

An open-source traceability tool for agricultural products





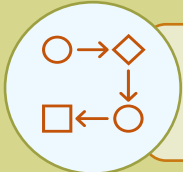
## INATrace...



... is an **open-source solution** for traceability in agricultural supply chains



... has been **developed with the users**, especially with women



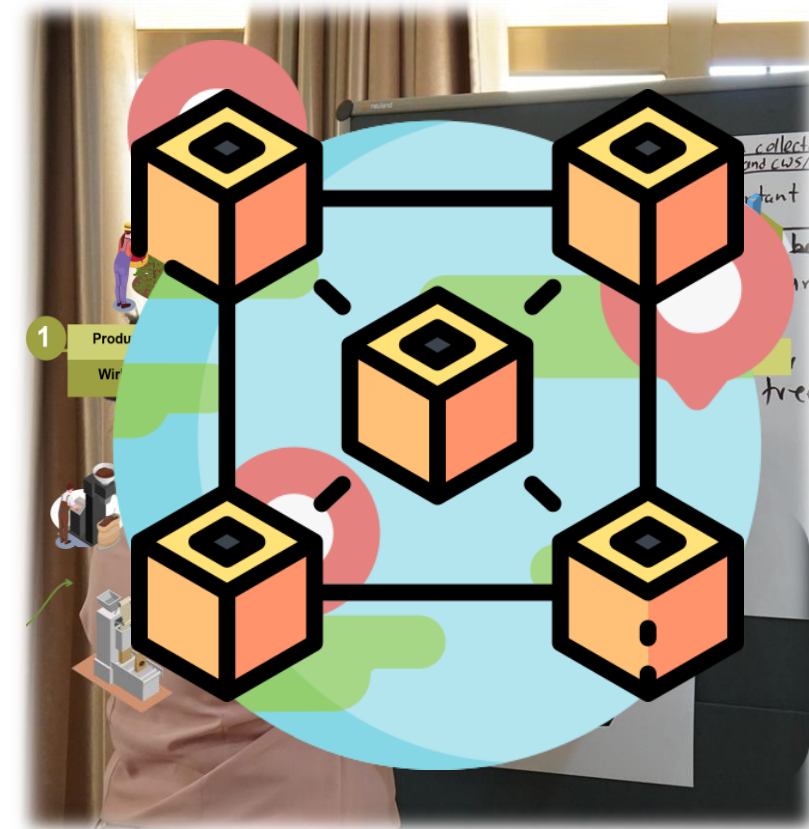
... records **processing steps and transactions** from the cooperative to the final product



... is **customisable, transferable** and **scalable**

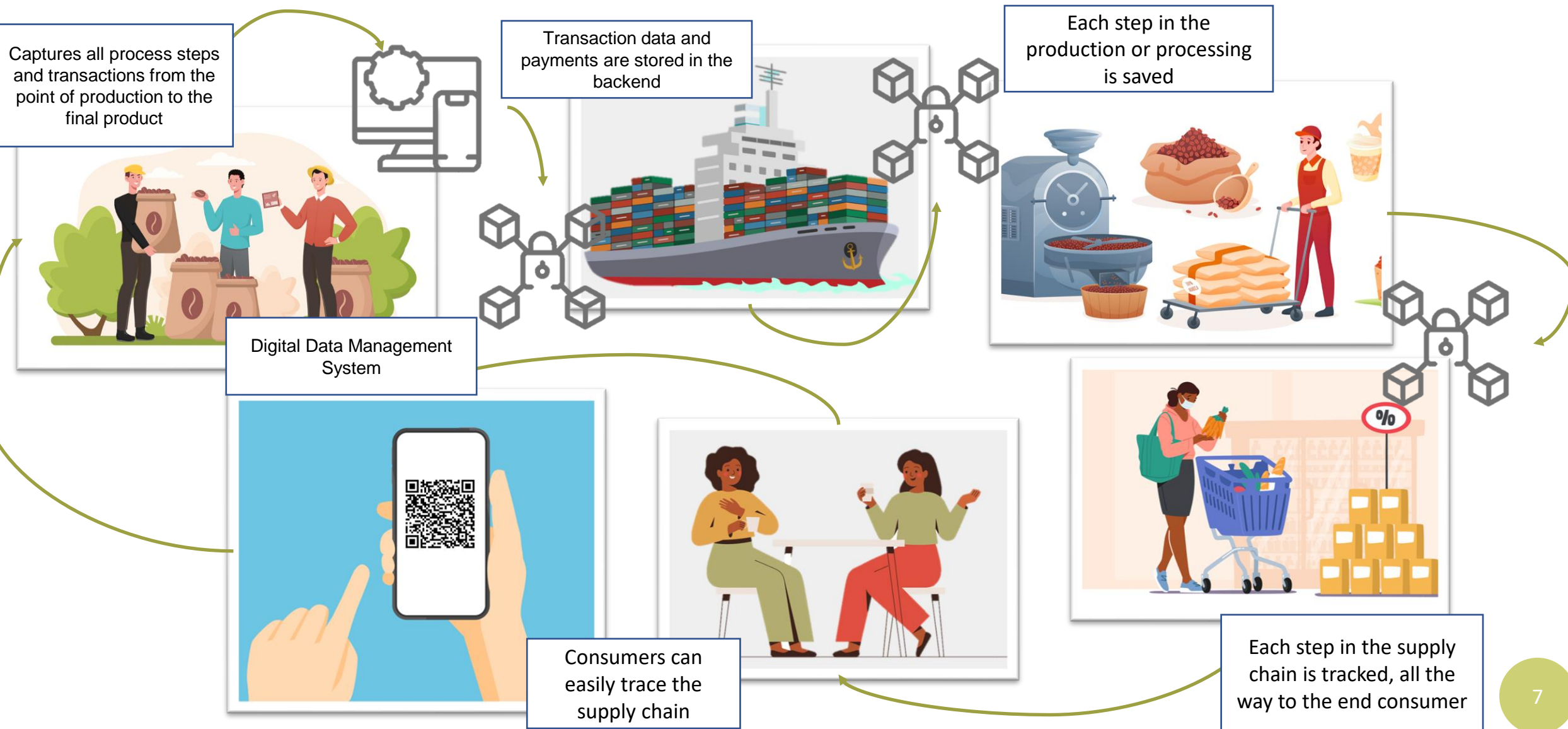


... additionally stores data unalterably on a **blockchain**





# INATrace: Key features



# Successes of the INATrace pilot

6,126 coffee producers recorded in INATrace, 45% of them women  
(as of 07/23)

45 Cooperatives/ exporters/roasters use INATrace  
(as of 07/23)

Active use in 3 countries  
(Ruanda, DomRep & Honduras)

40.948 Transactions in harvest season 2022

QR Code scanned 2.343 times  
(as of 03/2023)

## Positive Feedback from INATrace users:

„Using INATrace in our data collection system is a step forward: **Moving from paper registers** and many Excel pages to a database where all our **traceability information is available at any time.**“ *Isaura Cecilia Pineda, Cooperative „18 Conejo“ in Honduras*

„The system is great. It helps us **get relevant information about the coffee** and makes our daily work easier.“ *Quote from a producer during a workshop in Rwanda*



# Thank you for your attention!

## Contact:



[Noelie.svara@giz.de](mailto:Noelie.svara@giz.de)  
[Anna.kuehnel@giz.de](mailto:Anna.kuehnel@giz.de)



[Nachhaltige-agrarlieferketten.org](http://Nachhaltige-agrarlieferketten.org)

The Initiative for Sustainable Agricultural Supply Chains (INA) is implemented by the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) on behalf of the German Federal Ministry for Economic Cooperation and Development (BMZ).

[www.nachhaltige-agrarlieferketten.org](http://www.nachhaltige-agrarlieferketten.org)

Im Auftrag des:



Bundesministerium für  
wirtschaftliche Zusammenarbeit  
und Entwicklung

Durchgeführt von:



Deutsche Gesellschaft  
für Internationale  
Zusammenarbeit (GIZ) GmbH



Initiative für nachhaltige  
Agrarlieferketten

# Let's do a Role Play

## *The situation:*

Once a year the **Coffee Trader GreenBean & Peaberry** and the coffee cooperative **Kahawa Women Cooperative (KC)** meet to discuss the future business. The next meeting between both will start in 15 Minutes.

You will be divided into three groups:

**Coffee Trader GreenBean & Peaberry**, the coffee cooperative **Kahawa Women Cooperative (KC)** and an **observer group**

Your task: Please prepare your position for the meeting

15 Minutes: Preparation time in the subgroups (online: breakout rooms, live: in person)

10 Minutes: Negotiation (separately live and online)

15 minutes: Feedback from the observer group and discussion (plenary session)