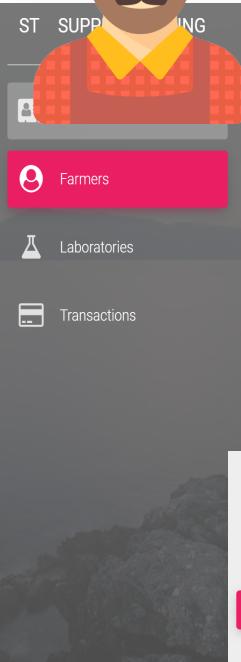


# Supply Tracking



# Creating a Farmer Profile

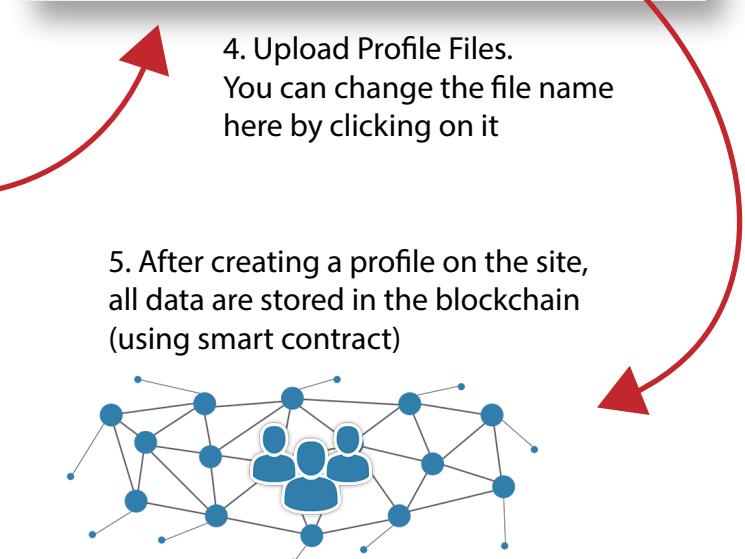


1. Click on "add new" button

2. Fill in the main fields

3. Add additional information in the form (if required)

4. Upload Profile Files. You can change the file name here by clicking on it





# Farmer Profile Page

Home / Farmers / John Doe

**PROFILE**

**CHECK DATA IDENTITY** **EDIT**

**First name:** John  
**Last name:** Doe  
**email:** john@example.com  
**Address:** 330 Co Rd 43, Tyler, AL 36785, Сполучені Штати Америки  
**Ethereum Address:** 0x6c3b16062b62998719bb8064a511b9b34c46db4a

Status: ✓ Confirmed

**PROPERTIES**

**DOCUMENTS**

**HARVEST**

**BLOCKCHAIN**

**PROFILE**

**CHECK DATA IDENTITY** **EDIT**

**Age:** 333  
**Phone:** 33553-34-45

**PROPERTIES**

**DOCUMENTS**

**HARVEST**

**BLOCKCHAIN**

**PROFILE**

**CHECK DATA IDENTITY** **EDIT**

**TRANSACTION METADATA**

**Block Number:** 0x210675  
**Block Hash:** 0x47dc9cd1f6cd23c2fdb13dc30b953ccb3df4a90ae7833fb7d79599644202b  
**Tx Hash:** 0xed5daaf6284bd082eae73942a9a656dad7e90b6d5c1e363acf21d8936c419  
**From:** 0x01405cb30d74a7ee47eb9cddfc5ae032d3ee22ee  
**To:** 0xa7948f0c7a4d6ce84c526cbfe8571999ef718fae  
**Gas:** 4700000  
**Gas Price:** 20000000000

**TRANSACTION DECODED INPUT**

**PROPERTIES**

**DOCUMENTS**

**HARVEST**

**BLOCKCHAIN**

On the farmer profile page, you can see all the saved data, edit the profile, check the integrity of the data with blockchain



Home / Farmers / John Doe

**PROFILE**

**PROPERTIES**

**DOCUMENTS**

**HARVEST**

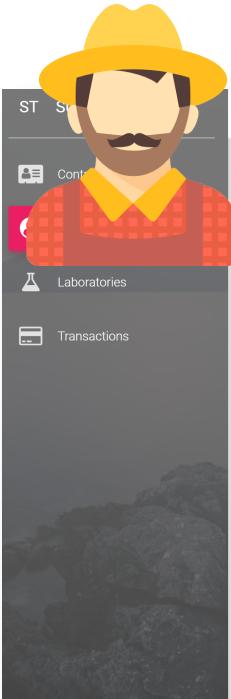
**BLOCKCHAIN**

**OK**

**All ok!**  
Blockchain data are identical to database

**Status:** ✓ Confirmed!

# Creating a Harvest



Farmers

Home / Farmers / John Doe

PROFILE

PROPERTIES

DOCUMENTS

HARVEST

BLOCKCHAIN

CHECK DATA IDENTITY EDIT

HARVEST

Profile

Check Data Identity

Edit

Home / Farmers / John Doe

PROFILE

PROPERTIES

DOCUMENTS

HARVEST

BLOCKCHAIN

CHECK DATA IDENTITY EDIT

HARVEST

+ ADD NEW

ID	Amount	Units	Declared at	Actions
----	--------	-------	-------------	---------

1	3000	kg	2017-11-29 11:25:41	
---	------	----	---------------------	--

Start creating a harvest on the farmer profile page

Hello John Doe!

Tell us more about your harvest

HARVEST

DETAILS

PREVIEW

Let's start with the basic information (with validation)

Amount (required)

3000

Units (required)

kg

NEXT

PREVIOUS

Hello John Doe!

Tell us more about your harvest

HARVEST DETAILS PREVIEW

Describe us more about your harvest

Text description about variety and so on (required)

LOREM IPSUM is simply dummy text of the printing and typesetting industry. LOREM IPSUM has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged.

NEXT

PREVIOUS

Hello John Doe!

Tell us more about your harvest

HARVEST DETAILS PREVIEW

Check if all is correct



LOREM IPSUM is simply dummy text of the printing and typesetting industry. LOREM IPSUM has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged.

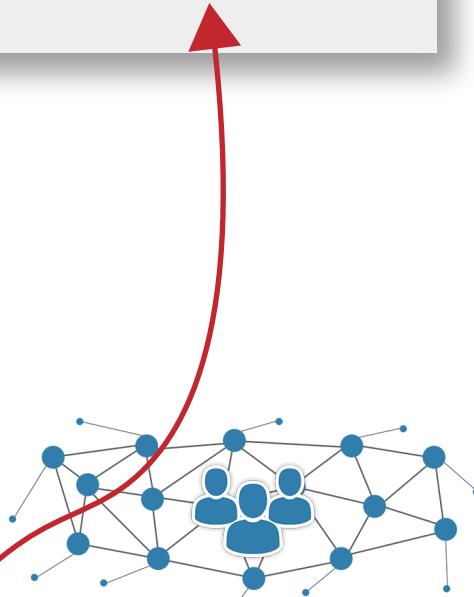
John Doe

3000 KG



PREVIOUS

FINISH



After creating a harvest on the site, all data is stored in the blockchain (using smart contract)

# Creating a Lab



1. Click on “add new” button

Laboratories

LABORATORIES

+ ADD NEW

ID	Name	Address
1	Umbrella	3764 N Oak Point Ave, Springfield, MO 65803, Сполучені Штати Америки

Create Laboratory Profile  
Just fill the form

ACCOUNT PERSONAL DOCUMENTS

Let's start with the basic information (with validation)

Laboratory name (required)  
SCF Lab

Address  
269-3 Yamabukichō, Shinjuku-ku, Tōkyō-to 162-0801, Японія

Map showing location in Tokyo, Japan.

NEXT

2. Fill in the main fields

Create Laboratory Profile  
Just fill the form

ACCOUNT PERSONAL DOCUMENTS

Any information, that you wish to set, but do not found fields for that

+ ADD

Option: option1 Value: value1

PREVIOUS NEXT

3. Add additional information in the form (if required)

Create Laboratory Profile  
Just fill the form

ACCOUNT PERSONAL DOCUMENTS

Here you can attach files some documents

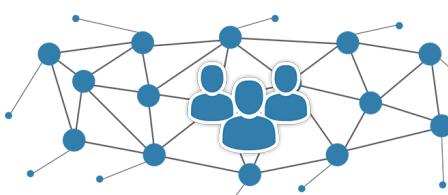
ATTACH

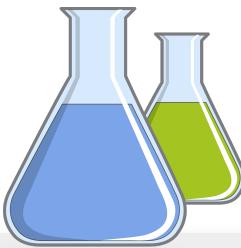
doc JPG 3.0 MB

PREVIOUS FINISH

4. Upload Profile Files.  
You can change the file name here by clicking on it

5. After creating a profile on the site,  
all data are stored in the blockchain  
(using smart contract)





# Lab Profile Page

On the lab profile page, you can see all the saved data, edit the profile, check the integrity of the data with blockchain

Name: Umbrella

Address: 3764 N Oak Point Ave, Springfield, MO 65803, Сполучені Штати Америки

Status: ✓ Conf

PROFILE

CHECK DATA IDENTITY

PROPERTIES

DOCUMENTS

EXPERTISES

BLOCKCHAIN

PROFILE

CHECK DATA IDENTITY

PROPERTIES

DOCUMENTS

EXPERTISES

BLOCKCHAIN

TRANSACTION METADATA

Block Number 0x210ab3

Block Hash 0x6629f8202d54c4de3991cf9c1cbac7240b8af98a4cf84b75385889c00fbfb9bc

Tx Hash 0x815089b25f19445b8f4d47dbdba6ed622b65c65dc20c0450d4edf8623779d40d

From 0x01405cb30d74a7ee47eb9cd9fc5ae032d3ee22ee

To 0xa7948f0c7a4d6ce84c526cbfe8571999ef718fae

Gas 4700000

Gas Price 21000000000

TRANSACTION DECODED INPUT

✓ All ok!

Blockchain data are identical to database

OK

The lab can makes an expertises.  
This process will be shown on the  
next slide

# Creating an Expertise



- PROPERTIES
- DOCUMENTS
- EXPERTISES**
- BLOCKCHAIN

ABC

CHECK DATA IDENTITY

**EXPERTISES**

+ ADD NEW

ID	Harvest	Farmer	Farmer location	Actions
1	34 ( kg )	Tamaya Sissinnguaq	211-221 Dundas St W, Toronto, ON M5G, Канада	

Start creating a harvest on the farmer profile page

Publicate Expertise Results

Expertise results of ABC

LABORATORY SUBJECT CONCLUSION

Expertised with laboratory

Name: ABC

Address: Nes 591, 1012 KD Amsterdam, Нідерланди

NEXT

PREVIOUS

Publicate Expertise Results

Expertise results of ABC

LABORATORY SUBJECT CONCLUSION

Expertise subject

Existing farmer

Manufacturer (required)  
Tamaya Sissinnguaq (211-221 Dundas St W, Toronto, ON M5G, Канада)

Harvest (required)  
34 kg (good harvest)

NEXT

FINISH

Home / Laboratories / ABC

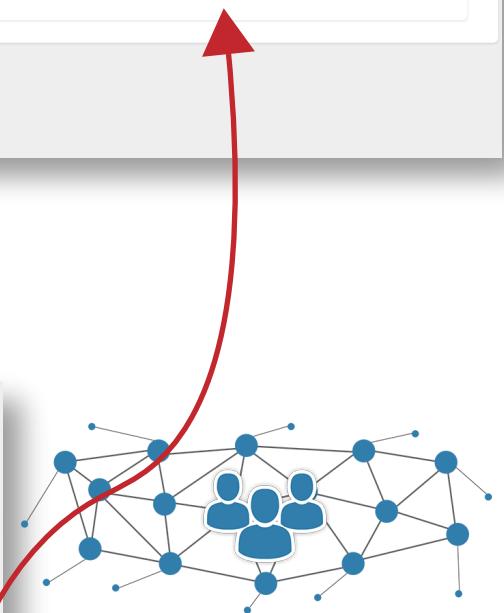
PROFILE PROPERTIES DOCUMENTS EXPERTISES BLOCKCHAIN

CHECK DATA IDENTITY

**EXPERTISES**

+ ADD NEW

ID	Harvest	Farmer	Farmer location	Actions
1	34 ( kg )	Tamaya Sissinnguaq	211-221 Dundas St W, Toronto, ON M5G, Канада	



# Smart Contract (Data recovery)

The diagram illustrates a network of nodes connected by lines, representing a blockchain or distributed ledger. Below this, a screenshot of a web application interface titled "SUPPLY TRACKING" shows a "Contract" section. It displays "SMART CONTRACT LOGS" for address 0xA7948F0C7A4D6Ce84C526CBFE8571999EF718FAE. A red arrow points from the "DELETE ALL DATA FROM DB" button on the left to the "data" section of the logs, indicating that clicking this button would erase all stored data.

To imitate data loss click on "**DELETE ALL DATA FROM DB**" button

For data restore click on "**RESTORE DATA FROM BLOCKCHAIN**" button

A screenshot of the Etherscan Testnet interface showing the "Contract Overview" for address 0xA7948F0C7A4D6Ce84C526CBFE8571999EF718FAE. The "Transactions" tab is selected, displaying the latest three transactions. A red arrow points from the "Transactions" table back to the "data" section of the previous screenshot, illustrating how data can be restored from the blockchain.

On the main page you can expand the logs that are created when the smart contract adds data to the blockchain.

If data on farmers, laboratories, harvests, expertaises lose, it can be restored from the blockchain

A screenshot of the "Contract Logs" section after data has been restored. A red banner at the top says "Oh snap! All farmers have been deleted!". Below it, the logs show the same data as before, with a green "RESTORE DATA FROM BLOCKCHAIN" button visible. A red arrow points from this button to the "data" section of the logs, indicating that the restored data now appears in the UI.