

Supply Tracking





Creating a Farmer Profile



HELP LOGOUT

Home / Farmers

1. Click on "add new" button

FARMERS

NAME	ADDRESS	FILES	ACTIONS
John Snc			+ ADD NEW

Create Farmer Profile
Just fill the form

ACCOUNT PERSONAL DOCUMENTS

Let's start with your basic information

Farmer first name (required)
Farmer last name (required)
Email (required)
Farm location (required)

age
 phone

[NEXT](#)

Screen Shot 2018-03-09 at 2018-03-06

2. Fill in the main fields

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

Create Farmer Profile
Just fill the form

ACCOUNT PERSONAL DOCUMENTS

Any information, that you wish to provide can be added here

Option (required) age
Value (required) 33

Option (required) phone
Value (required) 333-333-33-33

[+ ADD](#) [BACK](#) [NEXT](#)

Create Farmer Profile
Just fill the form

ACCOUNT PERSONAL DOCUMENTS

Please attach your supporting documents here

[ATTACH](#)

license	PNG 1.4 MB
about	PNG 1.2 MB

[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)





Farmer Profile Page

Status: ✓ Confirmed!

Profile

First name: Luke
Last name: Sky
Email: test@example.com
Address: I
Ethereum

Property

age: 33
phone: 33

Documents

license, about.pr

BLOCKCHAIN

CHECK DATA IDENTITY

TRANSACTION METADATA

Block Number: 0x1d1e91
Block Hash: 0x6556ee64071b2909820f4229ff12ccbcc5bef5743050947a89b38c373cfbc5ff
Tx Hash: 0x11784bebd6bb9600e8e6851e27641d9789a5399edcc736d46b887ee1495b203
From: 0x6955f428395b191d2f8b6f7fe712803035cd9ea9
To: 0xd8c4d20f898dfbcff9eb97befa6b1de8f857ce50
Gas: 4700000
Gas Price: 2000000000

TRANSACTION DECODED INPUT

Oops!

Blockchain data differs with database

OK

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

All ok!

Blockchain data are identical to database

OK

DB data hack protection example

Firsts name
Luke+2

Last name
Sky

Email address
test@example.com

Location
Las Vegas

Hack



Creating a Harvest

Farmers

PARAGON

HELP LOGOUT

Contract

Farmers

Laboratories

Transactions

Harvests list

Expertise list

HARVEST

CHECK DATA IDENTITY

HACK DATA

+ ADD NEW

Start creating a harvest on the farmer profile page

Harvest

Tell us more about your harvest

CREATE

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

Strain Harvested (required)	Number of Plants (required)		
Weight measurement			
Wet Plant	kg	Wet Trim	kg
Wet Flower	kg	Dry Trim	kg
Dry Flower	kg	Seeds	
Total Usable Flower	kg	Total Usable Trim	kg

FINISH

Home / Farmers / Luke Sky / Saa407e6b5b5f9179485476bfff2dd2f

HARVEST

EXPERTISE RESULTS

BLOCKCHAIN

Status: ✓ Confirmed!

Harvest

Strain Harvested: some name
Farmer address: Las Vegas, Невада, Сполучені Штати Америки

Wet Plant: 12 kg
Wet Trim: 0 kg
Wet Flower: 5 kg
Dry Trim: 8 kg
Dry Flower: 14 kg
Seeds: 4
Total Usable Flower: 0 kg
Total Usable Trim: 6 kg

PRINT

LABEL PASSPORT

some name (10.03.2018)

Grower profile

Name: Luke Sky
Address: Las Vegas, Невада, Сполучені Штати Америки
age: 33
phone: 333-333-33-33
Files:
license.png (1.32 Mb)
about.png (1.14 Mb)



Harvest

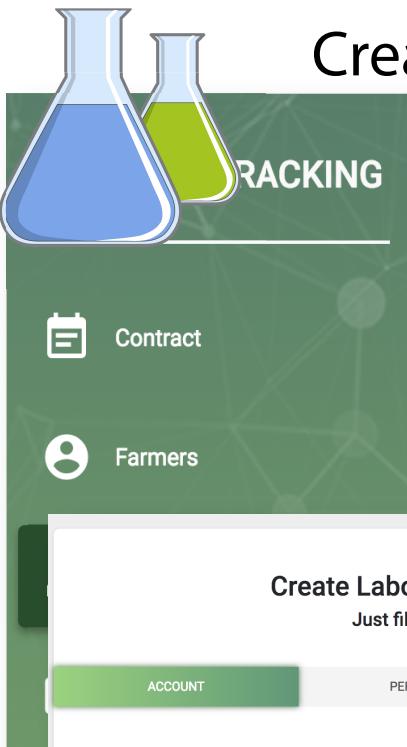
Strain Harvested: some name
Number of Plants: 12
Wet Plant: 12 kg
Wet Trim: 0 kg
Wet Flower: 5 kg
Dry Trim: 8 kg
Dry Flower: 14 kg
Seeds: 4
Total Usable Flower: 0 kg
Total Usable Trim: 6 kg

DECLARED AT: 10.03.2018



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

PARAGON

HELP LOGOUT

Home / Laboratories

LABORATORIES

+ ADD NEW

Create Laboratory Profile
Just fill the form

ACCOUNT PERSONAL DOCUMENTS

Let's start with your basic information

Laboratory name (required)

Laboratory location (required)

Google map of North America showing state/province boundaries. A small watermark at the bottom left reads "Дані карт ©2018 Google, INEGI, Умови використання".

NEXT

2. Fill in the main fields

Create Laboratory Profile
Just fill the form

ACCOUNT PERSONAL DOCUMENTS

Any information, that you wish to provide can be added here

Option (required)
some option

Value (required)
some value

+ ADD

BACK NEXT

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

Create Laboratory Profile
Just fill the form

ACCOUNT PERSONAL DOCUMENTS

Any information, that you wish to provide can be added here

Option (required)
some option

Value (required)
some value

+ ADD

BACK NEXT

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

Create Laboratory Profile
Just fill the form

ACCOUNT PERSONAL DOCUMENTS

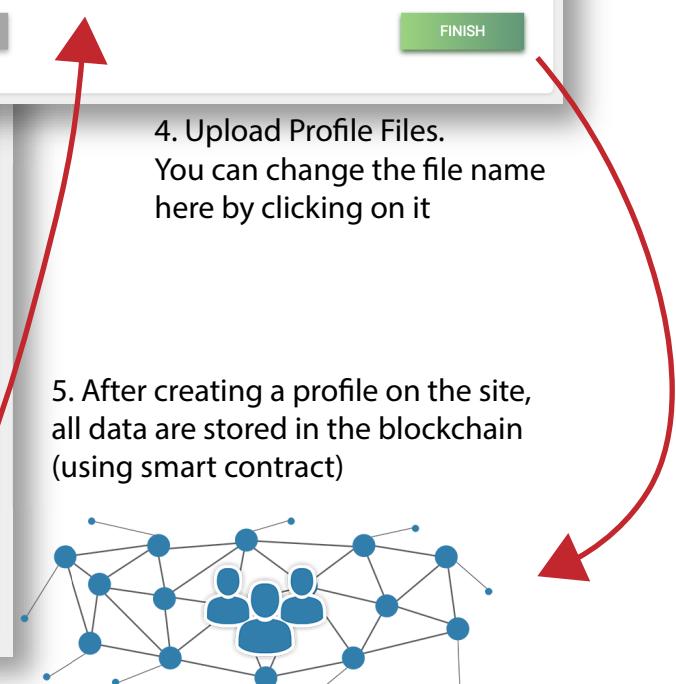
Please attach your supporting documents here

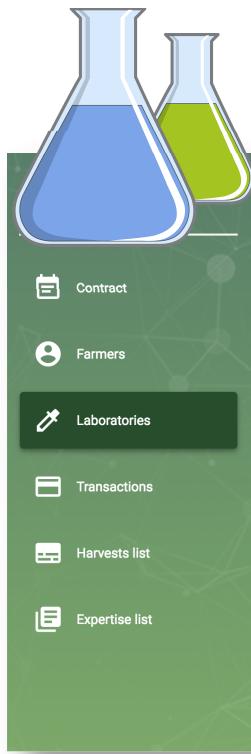
ATTACH

license

PNG 1.8 MB

BACK FINISH





Lab Profile Page

Laboratories

PARAGON

HELP LOGOUT

Status: ✓ Confirmed!

Profile

Name: Umbrella

Address: Huntington Beach, Каліфорнія, Сполучені Штати Америки

Ethereum address: 0x6165b6d4f4bb11ca63b5d9307c2e4f4be94f433b

Properties

some option: some value

Documents

license.png (1.69 Mb)

TRANSACTION METADATA

Block Number: 0xd205b

Block Hash: 0xce2ac14b4a6a6ee6a6fc60132cbd8abca3cc4f51ab0c7911dedc1913d6781060

Tx Hash: 0x4b59db6ee5508f63fd5319e5c12f97e5b8bdd6f25d096d320a6e8b79b6d8a65

From: 0x6955f428395b191d2f8b6f7fe712803035cd9ea9

To: 0xd8c4d20f898dfbcff9eb97befa6b1de8f857ce50

Gas: 4700000

Gas Price: 2000000000

TRANSACTION DECODED INPUT

Method:

arg_0_address: 0x6165b6d4f4bb11ca63b5d9307c2e4f4be94f433b

arg_1_string: {"name": "Umbrella", "address": "Huntington Beach, \u041a\u0430\u043b\u0435\u0440\u043e\u0431\u043e\u0432\u0430\u043d\u0438\u0435", "lat": 33.6594835, "lon": -117.99880259999998, "place_id": null, "created_at": "2018-03-10 17:20:06.000000", "timezone_type": 3, "timezone": "UTC"}, "eth_address": "0x6165b6d4f4bb11ca63b5d9307c2e4f4be94f433b", "bytes": 1767485, "crc32": "ebb31dfd", "sha1": "49b1b1661b84e9e3f64d2b633e365a96b05c0464f865cafabc1e6044d8eccfede2b508a29de4903754e697ebad0b6a4d71c0f25e53fd38309863ae26828e929", "md5": "a7b912ad66e14cbdd2a56a97fb7109", "download_link": "/lab/v0x6165b6d4f4bb11ca63b5d9307c2e4f4be94f433b/file/v49b1b1661b84e9e3f64d2b633e365a96b05c0464f865cafabc1e6044d8eccfede2b508a29de4903754e697ebad0b6a4d71c0f25e53fd38309863ae26828e929", "props_batched": [{"name": "some option", "value": "some value", "eth_address": "0x6165b6d4f4bb11ca63b5d9307c2e4f4be94f433b", "created_at": "2018-03-10 17:20:06"}], "uuid": "8a4c20ad-dc66-4a3d-87f5-e86fc3afc560"}



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

Creating an Expertise



PARAGON

Home / Laboratories / Umbrella

PROFILE EXPERTISES + ADD NEW

Start creating a harvest on the farmer profile page

PUBLISH LABORATORY RESULTS

CREATE

Required lab and batch information

Lab name: Umbrella

Lab address: Huntington Beach, Каліфорнія, Сполучені Штати Америки

Manufacturer (required)

Harvest (required)

Laboratory conclusion (required)

FINISH

EXPERTISES HARVEST FARMER FARMER LOCATION ACTIONS

Harvest1 John Snow Laval

BLOCKCHAIN

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

Home / Laboratories / Umbrella / Expertise: #5aa41b697ac70003862274628ce7ab0d

HELP LOGOUT EXPERTISE BLOCKCHAIN

Status: Pending... (0xb257dc01603595832912a93ac71d772d38718166c9d4d2d956138c21f9ddb20)

Laboratory: Umbrella

Lab address: Huntington Beach, Каліфорнія, Сполучені Штати Америки

Harvest

Expertise UID: #5aa41b697ac70003862274628ce7ab0d

Created At: 2018-03-10 17:52:41

Conclusion: lorem ipsum

Harvest UID: #5aa27bcf44bbf713074550aed4126a78

PRINT LABEL PASSPORT

QR code

Umberella (10.03.2018)

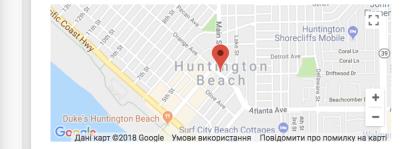
Scan QR code and get access to your blockchain data

Conclusion

lore ipsum

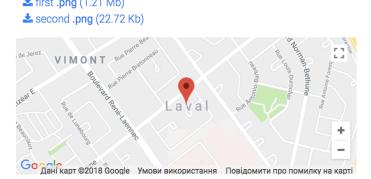
Laboratory profile

Name: Umbrella
Address: Huntington Beach, Каліфорнія, Сполучені Штати Америки
some option: some value
Files:
[license.png \(1.69 Mb\)](#)



Grower profile

Name: John Snow
Address: Laval, Квебек, Канада
option: value
option2: value2
Files:
[first.png \(1.21 Mb\)](#)
[second.png \(22.72 Kb\)](#)



Harvest

Strain Harvested: Harvest1
Number of Plants: 12
Wet Plant: 12 lbs
Wet Trim: 0 lbs
Wet Flower: 67 lbs
Dry Trim: 56 lbs
Dry Flower: 0 lbs
Seeds: 14
Total Usable Flower: 1 lbs
Total Usable Trim: 45 lbs

Smart Contract (Data recovery)

The dashboard features a sidebar with icons for Contract, Farmers, Laboratories, Transactions, Harvests list, and Expertise list. The main area displays a network graph of nodes and a list of smart contract logs. A red arrow points from the "DELETE ALL DATA FROM DB" button to the "RESTORE DATA FROM BLOCKCHAIN" button on the right.

ST SUPPLY TRACKING

Contract

Farmers

Laboratories

Transactions

Harvests list

Expertise list

Dashboard

PARAGON

HELP

LOGOUT

SMART CONTRACT LOGS 0XD8C4D20F898DFBCFF9EB97BEFA6B1DE8F857CE50

- Main Contract
- Growers Storage
- Raw Materials Storage
- Labs Storage
- Expertises Storage

DELETE ALL DATA FROM DB

The Etherscan interface shows the latest 3 transactions for the smart contract. A red arrow points from the "DELETE ALL DATA FROM DB" button on the left to the "RESTORE DATA FROM BLOCKCHAIN" button on the right.

ROPSTEN (Revival) TESTNET

Contract Address 0xA7948F0c7a4D6Ce84C526CbfE857'999EF718FAe

Contract Overview

ETH Balance: 0 Ether

No Of Transactions: 3 txns

Misc

Contract Creator 0x01405cb30d74a7... at tx 0xf61650d0714f86b...

Transactions Contract Code

Latest 3 txns

TxHash	Block	Age	From	To	Value	[TxFee]
0xd6b5fa2f9e490b7...	2164946	13 mins ago	0x01405cb30d74a7...	0xa7948f0c7a4d6ce...	0 Ether	0.0095416
0xed5daaf6284bd0...	2164341	2 hrs 28 mins ago	0x01405cb30d74a7...	0xa7948f0c7a4d6ce...	0 Ether	0.0230428
0xf61650d0714f86b...	2163880	4 hrs 7 mins ago	0x01405cb30d74a7...	Contract Creation	0 Ether	0.00772016

[Download CSV Export]

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

The dashboard now shows a green notification bar indicating that data has been restored. A red arrow points from the "RESTORE DATA FROM BLOCKCHAIN" button on the left to the "RESTORE DATA FROM BLOCKCHAIN" button on the right.

Recovered growers: 3, harvests: 3, labs: 3, expertises: 4

ST SUPPLY TRACKING

Contract

Farmers

Laboratories

Transactions

Harvests list

Expertise list

Dashboard

PARAGON

RESTORE DATA FROM BLOCKCHAIN

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

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