

Fragebogen

1 Language Choice

Sprache / Language

☐

Den Fragebogen auf Deutsch, bitte.

☐

The survey in English, please.



2 Welcome Page

This study is funded by the German Federal Ministry of Education and Research.

Your opinions will help us to better understand how people perceive new technologies!

- especially **Blockchain Technology**.

Even if you have not heard of Blockchain Technology, your answers help us a lot!

- Duration: **about 17 minutes**.
- Only completely filled out surveys are useful for us.
- Just your **honest and personal opinion counts**.
- Please answer all questions, **even if some might seem very similar**.
- We want to address all genders.

We are very grateful that you are taking your time to participate!

Best regards

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For more information, please contact me.

-----[Data Privacy Information](#)

Why do we collect and use your data?

The study **solely serves scientific purposes** and your individual answers **will not be passed on to third parties**. Your responses will only be evaluated in **aggregated form** and will be kept **anonymous**. All information will be treated strictly **confidential** and

stored **according to the ethical guidelines** of TUM. It is therefore not possible to draw conclusions about your person.

For further information about TUM's Research Data Management, please click [here](#).

How to contact us

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You help researchers and organisations to better apply and communicate new technologies in the future!

3 Question 1-6 [Internal Quota Check after this page]

When I hear the term Blockchain Technology, this comes to my mind...

Please write one word, that comes to
your mind.

Have you ever heard any of the following terms?

simply indicate **yes** or **no**

	Yes, I have heard this term	No, I have never heard this term
Blockchain Technology	<input type="radio"/>	<input type="radio"/>
Bitcoin	<input type="radio"/>	<input type="radio"/>
NFT (Non-Fungible-Token)	<input type="radio"/>	<input type="radio"/>
Cryptocurrency	<input type="radio"/>	<input type="radio"/>
Ethereum	<input type="radio"/>	<input type="radio"/>

Can you explain these terms to a friend?

simply indicate **yes** or **no**

	Yes, I can explain this term	No, I cannot explain this term
Blockchain Technology	<input type="radio"/>	<input type="radio"/>
Bitcoin	<input type="radio"/>	<input type="radio"/>
NFT (Non-Fungible-Token)	<input type="radio"/>	<input type="radio"/>
Cryptocurrency	<input type="radio"/>	<input type="radio"/>
Ethereum	<input type="radio"/>	<input type="radio"/>

Please select your gender.

- ☐ Male
- ☐ Female
- ☐ Diverse

Please indicate your age.

I am ..

Under 15 ▲

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Above 85 ▼

years old.

Do you know the difference between "Bitcoin" and "Blockchain Technology"?

- ☐ Yes
- ☐ No

Currently, my contact with blockchain technology (or cryptocurrency) ...*"Very Low / no contact" - "Very high / very often"*

	1 - Very low	2	3	4	5	6	7 - Very high
in my <u>professional (job, uni, school)</u> life is...	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
in my <u>personal</u> life is...	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

How would you rate your knowledge of Blockchain Technology?*1 - never heard of it before**10 - I am an expert, I can advise people*

- ☐ 1 - no knowledge
- ☐ 2
- ☐ 3
- ☐ 4
- ☐ 5
- ☐ 6
- ☐ 7
- ☐ 8
- ☐ 9
- ☐ 10 - expert knowledge

3.1.1 Filter - Geschlecht diverse**3.2.1 Filter - Alter jünger 16 oder älter 79****4 Q 7 Intuition Tech-Usage****Purely intuitively, given the chance, would you use the following technologies?**

Don't think too much. :-)

	Yes	No	I do not know enough about it
Cloud computing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Big data	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Internet of things	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Smart Home products	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3D printing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Artificial intelligence	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Yes	No	I do not know enough about it
Machine learning	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Neural networks	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Deepfake technology	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Blockchain technology	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5G	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Contactless payments	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

5 Question 8-11

In which sector have you already heard about Blockchain Technology?

Multiple answers are possible

- ☐ I have not heard of any Blockchain Technology applications
- ☐ Finance and Banking
- ☐ Transport and logistics
- ☐ Energy and utilities
- ☐ Healthcare, pharmaceuticals
- ☐ Art & Collectibles
- ☐ Other

How would you rate your ability to explain exactly how the following technologies work?

1 - "I don't know exactly how it works" - 7 - "I can fully explain how it works"

	1 - I don't know exactly how it works	2	3	4	5	6	7 - I can fully explain how it works
The internet	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Blockchain Technology	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Are you currently, or have you ever been, in possession of any cryptocurrency? (e.g. Bitcoin, Ethereum or others)

- ☐ Yes
- ☐ No

Are you currently, or have you ever been, in possession of a NFT (Non-Fungible-Token)?

- ☐ Yes
- ☐ No

6.1 Q 11 if crypto owner

When did you first become a cryptocurrency owner?

Before 2007 ▲

2007
 2008
 2009
 2010
 2011
 2012
 2013
 2014
 2015
 2016
 2017
 2018
 2019
 2020
 2021 ▼

Please rate the difficulty of buying cryptocurrency that you experienced:

- ☐ 1 - Very easy
- ☐ 2
- ☐ 3
- ☐ 4
- ☐ 5
- ☐ 6
- ☐ 7 - Very hard

Please indicate how you manage your cryptocurrencies

I manage my cryptocurrencies ... (multiple answers possible)

- ☐ ... on Coinbase, Binance or other exchange
- ☐ ... on MetaMask or other digital (browser) wallet
- ☐ ... on a piece of paper, USB-Storage or other offline wallet
- ☐ ... I do not know or do not want to tell

7 Question 12-14

Have you knowingly used Blockchain Technology applications in your everyday life? (i.e. buying something)

- ☐ Yes
- ☐ No

Would you use cryptocurrency as a means of payment at some point in the future?

- ☐ Yes
- ☐ No

Consider your average circle of friends and acquaintances. How would you rate their knowledge about Blockchain Technology?

- ☐ 1 - they never heard of it
- ☐ 2
- ☐ 3
- ☐ 4
- ☐ 5
- ☐ 6
- ☐ 7
- ☐ 8
- ☐ 9
- ☐ 10 - they are experts

Would your circle of friends and acquaintances believe that you should use Blockchain Technology?

- ☐ 1 - They would discourage me to use it
- ☐

2

☐ 3☐ 4☐ 5☐ 6☐ 7☐ 8☐ 9☐ 10 - They would encourage me to use it**7.1.1 Q 13 A only if NO future use in Q13****Why do you exclude the possibility to use cryptocurrency at some point in the future?**

Multiple answers possible

☐ I find it difficult to find something where I can learn about cryptocurrencies☐ I am not interested in cryptocurrencies☐ Other reason**8 Question 15-18****Generally speaking:****Would you say that most people can be trusted, or that you can not be too careful in dealing with people?**☐ Most people can be trusted.☐ You cannot be careful enough.**In the following, please indicate for each item, the extent to which it applies to you.*****Some items might sound similar, but please answer all of them.***

	1 - strongly disagree	2	3	4	5	6	7 - strongly agree
Compared to others, I am more sensitive about the way other people or organizations handle my personal information	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Compared to others, I see more importance in keeping personal information private	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Compared to others, I am <u>less concerned</u> about potential threats to my personal privacy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am <u>not bothered</u> by data collection, because my personal information is publicly available anyway	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

TRI 2.0

New technology gives me more freedom
of mobility

☐ ☐ ☐ ☐ ☐ ☐ ☐

New technology makes me more
productive

☐ ☐ ☐ ☐ ☐ ☐ ☐

9 Question 19.1

In the following, please indicate for each item the extent to which it applies to you.

Some items might sound similar, but please answer all of them.

	1 - strongly disagree	2	3	4	5	6	7 - strongly agree
In general, I am hesitant to try out new information technologies.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I like to experiment with new information technologies.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other people come to me for advice on new technologies.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
In general, I am among the first in my circle of friends to acquire new technology when it appears.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I keep up with the latest technological developments in my areas of interest.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Please select answer 2 for this question. This is just an attention check.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

10.1 Filter - attention check 1

11 Question 19.2

In the following, please indicate for each item the extent to which it applies to you.

Some items might sound similar, but please answer all of them.

	1 - strongly disagree	2	3	4	5	6	7 - strongly agree
I can usually figure out new high-tech products and services without help from others.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sometimes, I think that technology systems are not designed for use by ordinary people.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
People are too dependent on technology to do things for them.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Too much technology distracts people to a point that is harmful.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I don't feel comfortable doing business if the other party is only available online.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

12 Question 20-21

Please consider the following situation:

You just received your bank account statement on a printed piece of paper.

You are asked to remove your name from the paper (make it impossible to read your name).

Your account number, all other transaction data and the account balance remain.

Now, it no longer contains your name. Only your bank account number, transactions and balances.

Would you put this bank account statement on the street - where everybody could see it?

☐ Yes

☐ No

13 Q 21 Item value

With your current knowledge about Blockchain Technology:

Please indicate if you would use Blockchain Technology applications to buy the following items.

	Yes, I would use Blockchain	No, I would not use Blockchain
A pizza	<input type="radio"/>	<input type="radio"/>
A jacket	<input type="radio"/>	<input type="radio"/>
A car	<input type="radio"/>	<input type="radio"/>
A house	<input type="radio"/>	<input type="radio"/>

Now, please consider the following situation:

You decided to buy an item of medium value from a person online.

For example, a Bluetooth music speaker.

Think about an online platform where people can offer things to other people.

Similar to craigslist in the U.S., or ebay classifieds (Kleinanzeigen) in Germany.

The seller is verified as a real person, but you don't know the real name.

It only says:

Verified Person 39XpoaixBAbUZzaq7g73tmvogBw6rGv8JP

Would you transfer the money for the speaker to that verified person?

☐ Yes, I would

☐ No, I would not

14 Question 23 - 26

Referring to the last question: If you knew the real name of the verified person, would that change your opinion?

(e.g. Verified Person: Peter Smith)

☐ Yes, then I would transfer the money.

- ☐ No, then I would still not transfer the money.

How do you feel that with Blockchain Technology, your personal details are public but they are just a string of numbers and letters, and you cannot be identified?

(e.g. 45XpoaixBAbTKzaq7g73tmvogjUw6rFv9JM) 1 - not comfortable at all to 7 - very comfortable

- ☐ 1 - Not comfortable at all
- ☐ 2
- ☐ 3
- ☐ 4
- ☐ 5
- ☐ 6
- ☐ 7 - Very comfortable

I would be concerned about my privacy if I used Blockchain Technology for financial transactions.

Please indicate to which extent it applies to you. (1 - fully disagree to 7 - fully agree)

- ☐ 1 - fully disagree
- ☐ 2
- ☐ 3
- ☐ 4
- ☐ 5
- ☐ 6
- ☐ 7 - fully agree

How do you feel, that if you lost your Blockchain PIN, nobody would be able to recover it and the money on your account would be lost?

1 - not comfortable at all to 7 - very comfortable

- ☐ 1 - Not comfortable at all
- ☐ 2
- ☐ 3
- ☐ 4
- ☐ 5
- ☐ 6
- ☐ 7 - Very comfortable

15 Question 27

Please select the statements that apply to you.

Multiple answers are possible.

- ☐ I know use cases for Blockchain Technology OTHER THAN cryptocurrencies (Bitcoin is a cryptocurrency).
- ☐ I have installed an app related to Blockchain Technology on my phone or desktop computer (e.g. Metamask).
- ☐ I advise people on how to use Blockchain Technology applications or have coded some myself (e.g. a real Smart Contract).
- ☐ None of the statements apply to me.
-

15.1.1 Filter - Experts do not get the explanation

Now, a brief explanation follows about what Blockchain Technology is.

Please read it carefully as it will help you answer the final few questions.

- Blockchain Technology is a technology to store information in a (public) database.
- The information and changes to it cannot be deleted and it is completely transparent for everyone to see.
- Changes to information are validated by computer algorithms.
- There is no central authority in charge.

Examples:

- Blockchain Technology is the underlying technology of the digital cryptocurrency Bitcoin and other use cases; just like what the Internet is for E-Mails.
 - Blockchain Technology **has many possible applications in various industries** (i.e. the health sector or governmental services).
1. It can **make supply chains traceable** for consumers and organizations to **prevent fake or wrong information about products**.
 2. Universities and Governments work on a use case, that enables people to quickly and easily get a **verifiable, digital version of documents or other digital goods (e.g. diplomas for students, unique digital art pieces)**.
- Research is being done to get more insights about the potentials and risks of this technology.
-

16 Question 28-30

**It is essential that you have understood some basics about blockchain technology.
Before continuing, please make sure to answer the following questions correctly.**

If needed, you can have a look at the explanation below the questions.

Is Blockchain Technology the underlying technology for many possible other applications?

- ☐ Yes
- ☐ No
- ☐ I don't know

Do not answer this question. Do not pick an answer. It is just to check if you are reading the questions.

- ☐ Yes
- ☐ No
- ☐ I don't know

Is Bitcoin the only application for Blockchain Technology?

- ☐ Yes
- ☐ No
- ☐ I don't know

**Read this explanation below (again), if you are still unsure about the answers.
Feel free to skip this explanation, if you are confident, that your answers are correct.**

Please read it carefully as it will help you answer the final few questions.

- Blockchain Technology is a technology to store information in a (public) database.

- The information and changes to it cannot be deleted and it is completely transparent for everyone to see.
- Changes to information are validated by computer algorithms.
- There is no central authority in charge.

Examples:

- Blockchain Technology is the underlying technology of the digital cryptocurrency Bitcoin and other user cases; just like what the Internet is for E-Mails.
 - Blockchain Technology **has many possible applications in various industries** (i.e. the health sector or governmental services).
1. It can **make supply chains traceable** for consumers and organizations to **prevent fake or wrong information about products**.
 2. Universities and Governments work on a use case, that enables people to quickly and easily get a **verifiable, digital version of documents or other digital goods (e.g. diplomas for students, unique digital art pieces)**.
- Research is being done to get more insights about the potentials and risks of this technology.

17.1 Filter - attention check 2**18 Questions 31-32**

In the following, please indicate for each item the extent to which it applies to you.

	1 - strongly disagree	2	3	4	5	6	7 - strongly agree
Given the chance, I would use Blockchain Technology applications.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Given the chance, it is very likely that I would use Blockchain Technology.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I would trust people, that use Blockchain Technology.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I would trust organizations that use Blockchain Technology.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I would trust machines that are connected to a Blockchain Technology.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Please select answer 6 for this question.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

19.1 Filter - attention check 3**20 Questions 33-34**

In the following, please indicate for each item the extent to which it applies to you.

	1 - strongly disagree	2	3	4	5	6	7 - strongly agree
Blockchain Technology provides reliable information.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Blockchain Technology is honest in dealing with my private data.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Blockchain Technology adheres to rules and principles.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Blockchain Technology acts in the interests of its users.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
In general Blockchain Technology is not malicious.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Blockchain Technology has no bad	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

intentions towards its users.

21 Questions 35-38

In the following, please indicate for each item the extent to which it applies to you.

	1 - strongly disagree	2	3	4	5	6	7 - strongly agree
Blockchain Technology serves its purpose.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Blockchain Technology operates flawlessly.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Blockchain Technology is capable to offer me a good service.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Using Blockchain Technology has many advantages for society.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Using Blockchain Technology has many disadvantages for society.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
In general, it seems risky to use Blockchain Technology.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I would feel unsafe using Blockchain Technology.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Your Feeling: Blockchain Technology has great potential ...

	1 - strongly disagree	2	3	4	5	6	7 - strongly agree
...to disrupt the business world.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
...to disrupt everyday life.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
...to be as disruptive as the introduction of the internet.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
...has no disruptive potential at all.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

22 Scenario introduction

You will now see six short scenarios, what blockchain technology makes possible.
You will see descriptions and examples.

Please answer intuitively.

23 Scenario A

Tokenization of Assets

A real world item (asset) has a **unique, uncopiable**, digital representation (token).

Example

The following items **used to be only on paper**. Now they **can be purely digital**: ownership certificates for your car, for your house, for your company shares, or for your art collection. It is not possible to copy these digital items. – There is no "copy" and "paste" for assets on a blockchain.

How useful do you find this possibility?

1 - Not useful at all to 7 - Very useful

☐

1 - Not useful at all

☐ 2

☐ 3

☐ 4

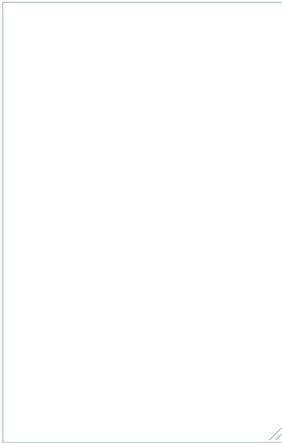
☐ 5

☐ 6

☐ 7 - Very useful

Optional:

What would you like to tokenize (to have an uncopyable digital version of) and that certifies that you are the owner?



24 Scenario B

Fractional ownership

You can own parts of any real world or digital item or asset.

Example

For example, you can possess ownership shares of a car and share ownership of it with your friends; or parts of an expensive art piece; or a house. Just like you can own parts of a company when buying shares/stocks.

How useful do you find this possibility?

1 - Not useful at all to 7 - Very useful

☐ 1 - Not useful at all

☐ 2

☐ 3

☐ 4

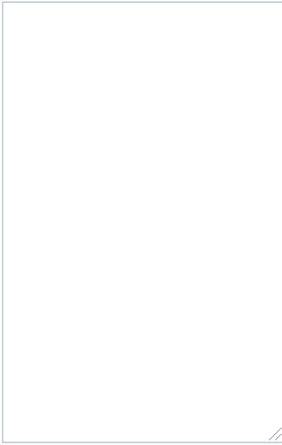
☐ 5

☐ 6

☐ 7 - Very useful

Optional:

Where would you apply the concept of fractional ownership?



25 Scenario C

Self-Sovereign Identity

Details about your identity are digitally stored and you can make selections of it available to others.

Example

You can **disclose only certain parts** of your digital health records for clinical trials and receive money for it. You remain anonymous. Or you can **verify** that you are vaccinated or old enough **without actually disclosing** your birthday or your name; Or your financial history can be selectively disclosed when you need to proof your income or credit score. Your details are **digitally managed by yourself**.

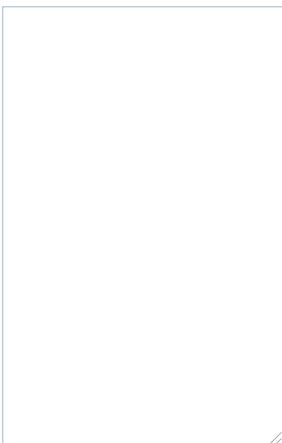
How useful do you find this possibility?

1 - Not useful at all to 7 - Very useful

- ☐ 1 - Not useful at all
- ☐ 2
- ☐ 3
- ☐ 4
- ☐ 5
- ☐ 6
- ☐ 7 - Very useful

Optional:

Where would you apply the concept of having a self-sovereign identity?



26 Scenario D

Smart Contracts

You program a contract digitally and the contract is only fully executed if certain contract details are met. Contracts are not changeable once initiated.

Example

Car insurance is only paid for the time, when you use your car; or another person's insurance becomes active automatically, if you wanted to share your car. You can program a contract that automatically adjusts the premium based on certain environmental conditions detected by sensors. E.g. if sunny, then lower price or if snowy, then higher price; or depending on the user.

How useful do you find this possibility?

1 - Not useful at all to 7 - Very useful

☐ 1 - Not useful at all

☐ 2

☐ 3

☐ 4

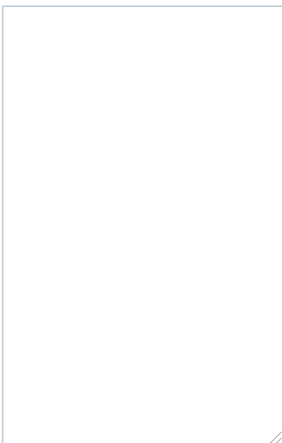
☐ 5

☐ 6

☐ 7 - Very useful

Optional:

Imagine, a smart contract works flawlessly. For which contract would you like to have a smart contract, that automatically ensures adherence to contract details by both parties?



27 Scenario E

Micropayments

Actions online can trigger micropayments for consumers and creators.

Example

For example, watching a YouTube video transfers a small amount, **maybe 0,0002 Euro** directly to the creator. Similarly, when you download an image from Google search, a very small amount is transferred directly to the creator. Or any other internet content can trigger micropayments to its creator.

Think of it as small on-demand payments.

How useful do you find this possibility?

1 - Not useful at all to 7 - Very useful

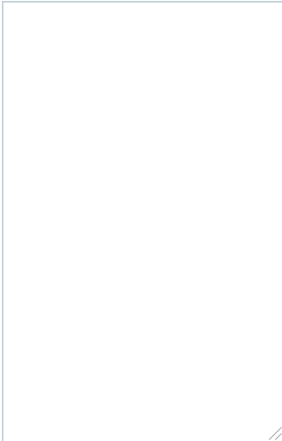
☐ 1 - Not useful at all

☐ 2

- ☐ 3
- ☐ 4
- ☐ 5
- ☐ 6
- ☐ 7 - Very useful

Optional:

Where do you think micropayments would be useful?



28 Scenario F

Anonymous Transactions

Transactions are possible without having to expose your full identity; only a pseudonym like "8s7dasllsdudmmy8".

Example

You could buy or sell things online without letting the other party know who you are. However, you are still verified as a real person.

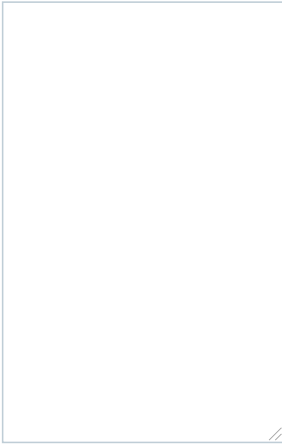
How useful do you find this possibility?

1 - Not useful at all to 7 - Very useful

- ☐ 1 - Not useful at all
- ☐ 2
- ☐ 3
- ☐ 4
- ☐ 5
- ☐ 6
- ☐ 7 - Very useful

Optional:

What kind of (legal) things would you buy or sell that you have always refrained from in your private or professional life?



29 Question 39

All in all, do you think that there are more opportunities or more risks from blockchain technology for society?

1 - More risks to 10 - More Opportunities

- ☐ 1 - More risks
- ☐ 2
- ☐ 3
- ☐ 4
- ☐ 5
- ☐ 6
- ☐ 7
- ☐ 8
- ☐ 9
- ☐ 10 - More opportunities

Now, after all the information in the survey:

How would you rate your knowledge of Blockchain Technology?

1 - never heard of it before

10 - I am an expert, I can advise people

- ☐ 1 - no knowledge
- ☐ 2
- ☐ 3
- ☐ 4
- ☐ 5
- ☐ 6
- ☐ 7
- ☐ 8
- ☐ 9
- ☐ 10 - expert knowledge

Also now:**Given the chance, would you use blockchain technology?**☐ yes☐ no

30 Socio-demographic questions

Almost done! Some final questions concerning yourself.**What is your total household income per month, approximately?**Please indicate the currency and household income range.

	Currency	Income range
Net income (approx.)	<div> <div>EUR (€) ▲</div> <div>USD (\$) ▼</div> <div>GBP (£) ▼</div> </div>	<div> <div>0 – 1500 ▲</div> <div>1501 – 2500</div> <div>2501 – 3500</div> <div>3501 – 5000</div> <div>> 5000</div> <div>Prefer not to say ▼</div> </div>

Please indicate your highest level of education.

Choose the one that suits best.

- ☐ No degree
- ☐ Incomplete Secondary School / High School
- ☐ Complete High school, A-Level, University Entrance Certificate, Abitur
- ☐ Bachelor's degree or equivalent
- ☐ Master's degree or equivalent
- ☐ PhD or equivalent
- ☐ Apprenticeship / Vocational Training
- ☐ Prefer not to say
- ☐ Other (please specify)

What best describes your current occupation?

- ☐ Currently not employed or retired
- ☐ Temporary Job (e.g. Internship)
- ☐ Part-time Employee
- ☐ Full-time Employee (i.e. non-managing position)
- ☐ Full-time Employee in management position
- ☐ Business Owner/Self-employment
- ☐ Military
- ☐ Prefer not to say
- ☐ Other (please specify)

Please indicate the discipline you are working/studying in.

Accountancy, banking and finance
Business, consulting and management
Charity and voluntary work
Creative arts and design
Energy and utilities
Engineering and manufacturing
Environment and agriculture
Healthcare
Hospitality and events management
Information technology
Law enforcement and security
Leisure, sport and tourism
Marketing, advertising and PR
Media and internet
Property and construction
Public services and administration
Recruitment and HR
Retail
Sales
Science and pharmaceuticals
Social care
Teacher training and education
Transport and logistics
Other (please specify)

Other (please specify)

Please indicate your primary country of residence.

- ☐ Germany
- ☐ Austria
- ☐ Switzerland
- ☐ United States
- ☐ United Kingdom
- ☐ Others (please specify)

31.1 German blockchain strategy

Do you know that there is a strategy for Blockchain Technology implementation in Germany published by the German federal ministry?

- ☐ Yes
- ☐ No

32 Endseite

**This is the end of the survey.
Thank you very much for your participation!**

If you have any further questions regarding the study, feel free to contact us:

pascal.mehrwald@tum.de

+49 (0)176 24 00 29 05

You can now exit the questionnaire by closing the window.

