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A large, semi-transparent watermark of a Bitcoin coin is visible on the right side of the slide, showing the 'BITCOIN' text and the characteristic circuit board pattern.

Bitcoin Talents

Session 1

January 24, 2024

Supported by





**We mourn the loss of
Philipp Sandner**

Agenda for today

@Mentors: "Mentor - Name"

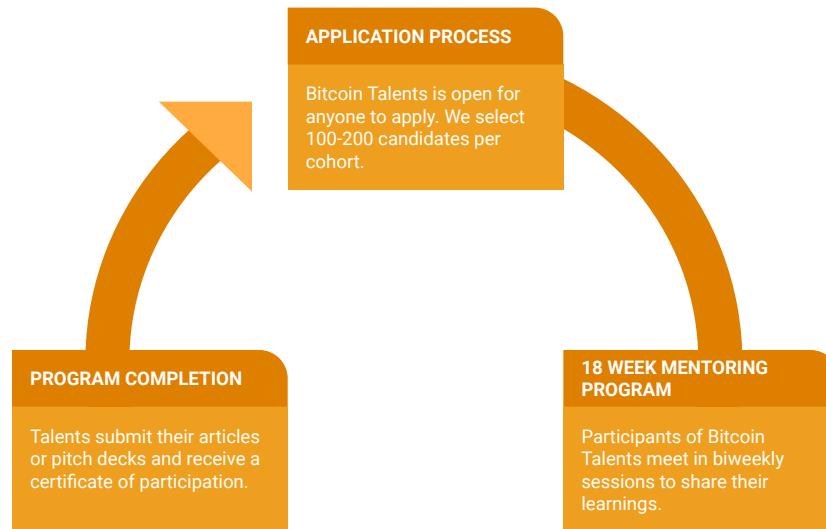
Please mute yourselves

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What is Bitcoin Talents?

Guided and self-managed learning approach

The Bitcoin Talents Program helps interested talents expand their knowledge, make connections, and position themselves as an expert in the Bitcoin space.



[Bitcoin Talents Certificate of Completion](#)

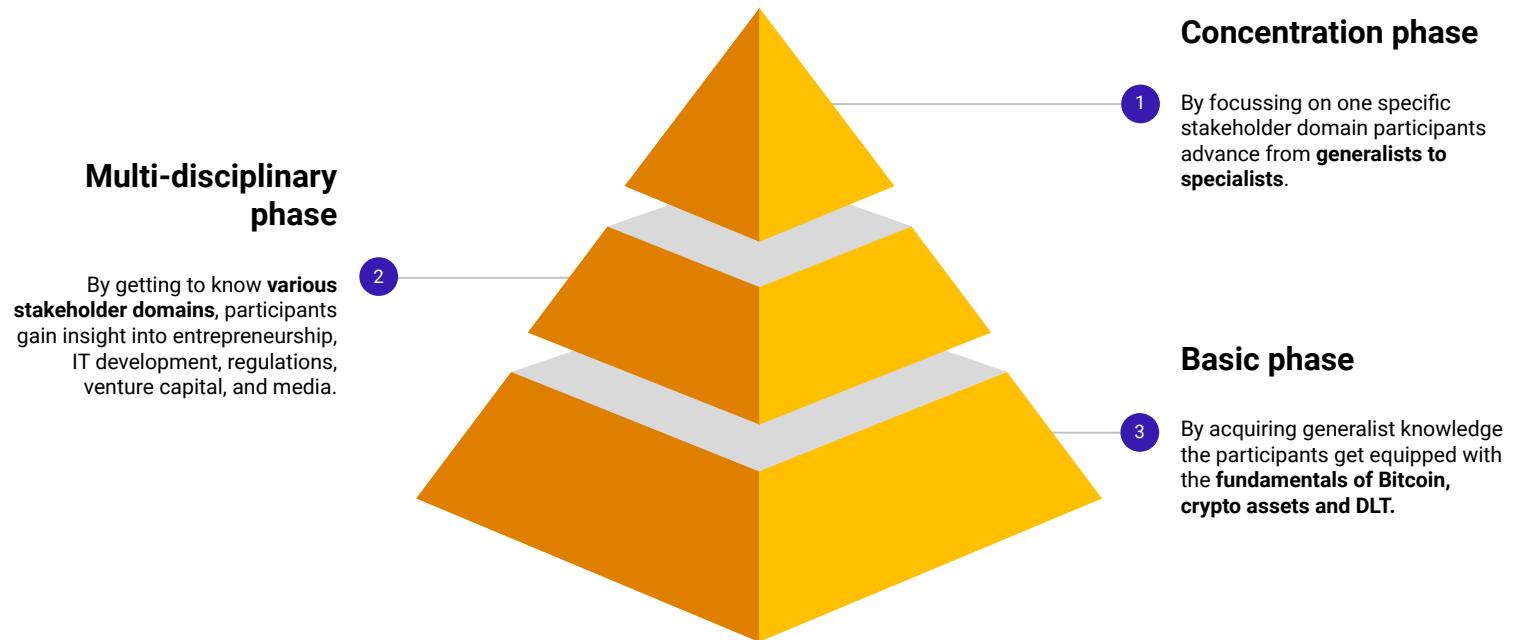
Bitcoin Talents – Fact Sheet

With this program, we seek to empower ambitious innovators to get involved with Bitcoin, **become leaders** in this quickly developing space and to build the basis for a **successful career path**

	Target group	→ Ambitious, engaged innovators interested in a career path within the Bitcoin ecosystem
	Duration of the program	→ 18-week long mentoring program → Divided into three phases (basics phase, multi-disciplinary phase, concentration phase)
	Cost for the participants	→ Free of charge by means of scholarship (application required)
	Intake size	→ Approx. 150 participants per cohort → One cohort per year → Making 150 people per year ready for the Bitcoin job market
	Patronage	→ Prof. Dr. Philipp Sandner <i>Head of Frankfurt School Blockchain Center</i>

Outline of the Bitcoin Talents mentoring program

We aim to develop all participants into **specialists** in a chosen domain after completing the concentration phase



Bitcoin Talents “curriculum”

Phase	Session number	Week	Date of session	Topic
Phase 1: Acquiring fundamental knowledge	1	1	January 24, 2024	Kick-off
Knowledge:		2	February 7, 2024	My first Bitcoin transaction, my wallet, and first learnings
• Bitcoin transactions • Bitcoin addresses • Blocks and hashes • Wallets, public keys, private keys • Nodes and mining • Satoshi Nakamoto • Energy consumption and CO ₂ footprint		3	February 21, 2024	Fundamentals of Bitcoin • Blocks and hashes • Wallets, public keys, private keys • Nodes and mining • Satoshi Nakamoto • Energy consumption and CO ₂ footprint
Goal:				
• Guidance concerning what to learn • Building knowledge • Discussion of open questions in our sessions				
Phase 2: Getting to know stakeholder domain	4	7	March 6, 2024	Usage of Bitcoin • Cross-border transactions • Store of value • Bank the unbanked • Financial inclusion • Lack of financial infrastructure • Streaming payments • Digital bearer instrument
Understand these stakeholder domains:				
• Entrepreneurs or use case analysts • Technologists or developers • Regulators or lawyers • Investors or VCs • Multiplicators or influencers				
Understand the context of these domains:				
• Stakeholder type • Socio-demographics • Cultural background and country				
Phase 3: Deep-dive in stakeholder domains and develop broad knowledge	5	9	March 20, 2024	Sound money • Scarcity of money • Stock to flow metrics • Fiat money • Inflation • History of money • Gold standard
Focus on one of these stakeholder domains:				
• Entrepreneurs or use cases • Technologists or developers • Regulators or lawyers • Investors or VCs • Multiplicators or influencers				
7	13	April 17, 2024		Worldwide regulation of Bitcoin • Regulation of Bitcoin in Europe, the USA, and Asia • Markets in Crypto Assets Regulation (MiCAR) • Financial Action Task Force (FATF), Anti-Money Laundering (AML) • Transfer of Funds Rules, Travel Rule
Entrepreneurship in the Bitcoin ecosystem				
• Business models • Exchange • Custody services • On-chain analytics • On ramps, off ramps • Wallet software • Content creator (Youtube, podcasts, books)				
8	15	May 2, 2024		Media and information • Bitcoin narratives • Crypto Twitter • Books and podcasts • Conferences, meetups and the community
9	17	May 15, 2024		Bitcoin Lightning network • Lightning whitepaper • Use cases • Analogy to TCP/IP protocol • Channel maintenance
Program ends: Get ready for your first job	10	19	May 29, 2024	Exposure and getting ready

Typical Session Outline

Agenda	Min.
Stay informed / organization	7
Tip of the week	1
Attendance	2
Breakout: Assignment presentations	25
Reflection in the main room	20
Assignment & outlook for next session	5
Guest Speaker	30

Career opportunities after completing the program

We envision that participants passing through our program are well equipped to follow **various career paths**

-
- 1 **Entrepreneur**
You become an entrepreneur of a great blockchain startup that is **quickly funded** with **more than EUR 1M**.
 - 2 **Technologist**
You become a technologist or developer ready to work on blockchain applications or **token protocols**.
 - 3 **Regulator or lawyer**
You become a regulator or lawyer helping to set, change or apply the **rules on which a digital society in the future will be based**.
 - 4 **Investor**
You become an investor or venture capital partner helping to **shape the future of other startups**.
 - 5 **Multiplicator**
You become a multiplicator or influencer in the blockchain area and an **important "node" of the network**.

Bitcoin Talents Track Record



- 1,000 applications p.a.
- 400+ talents educated p.a.
- 100+ talents employed p.a.

Rules & Organization

Rules & Organization

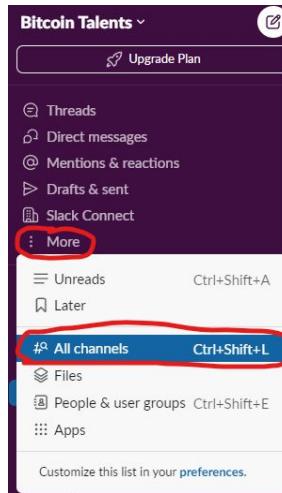
1. **Attend at least 8 sessions** - no exceptions. Proof of attendance: submit Google forms (changes every session).
2. **Do at least 7 assignments** on-time (before the next session starts).
3. **You must submit the last assignment.**

→ In order to receive the **certificate** at the end of the program **you must fulfill all three criteria!**

4. **Be prepared to present the assignments** during the breakouts - **please turn on your camera**
5. We will **not record** the sessions to ensure **privacy** :)
6. **Session slides and other materials** will be shared on Slack after each session and collected in the [**Bitcoin Talents / PUBLIC / Cohort 3 Google Drive folder**](#) ([save this link](#)). Peer slides can be also shared after the sessions in this folder.
7. **Guest Speaker Slides** are shared if the guest speaker agrees ;)

Rules & Organization

1. You can introduce yourself to the whole cohort using [THIS TABLE](#) ([voluntary](#)) or Slack. We encourage you to meet and connect with each other within the next months (LinkedIn, Twitter, offline etc.)
2. **Chatham House Rule:** All communications within the Bitcoin Talents sessions and community are held under the Chatham House Rule. You are free to use the information received, but neither the identity nor the affiliation of the speaker(s), nor that of any other participant, may be revealed. Please do not share the Zoom link.
3. **Means:** We use Slack as main communication channel. Treat others respectfully.
4. **Safe:** No question is a stupid question! Helpful questions are open (what, how, when... questions)
5. If you have not been added to the **private channels “cohort-03-2024”** and **“cohort-03-2024-slides”**, please write the team (Constantin, Daniel, or Dominik) on Slack. On the right side you can see how to explore channels.
6. For all inquiry concerning the current program/cohort, please use the private Slack channel, NOT the **#general** channel.



Why put in effort and make great slides?

0- for your own learning!

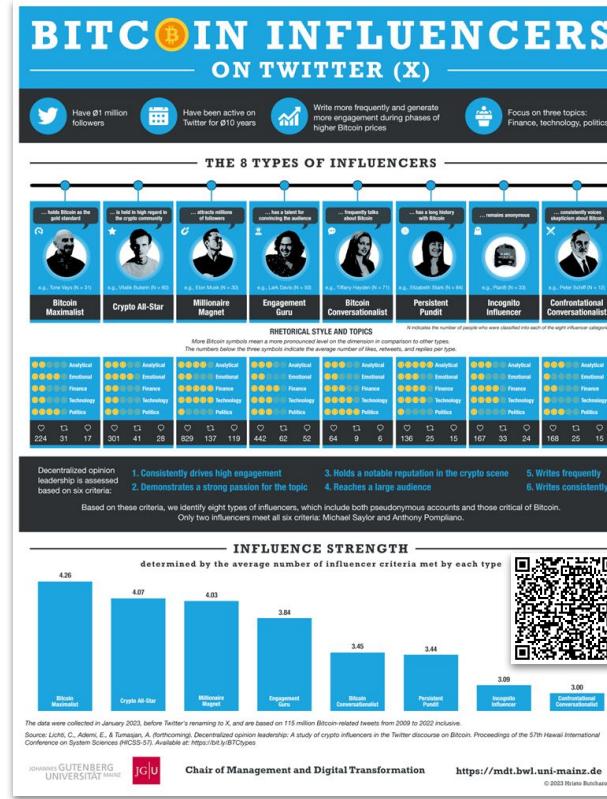
- 1- possibility to **get featured** on Bitcoin Talents social media (LinkedIn, Twitter, Medium)
- 2- possibility to get exposure and feedback during the session by presenting your findings
- 3- publish your slides after the sessions on your own social media - great for feedback!
- 4- you can **become a mentor** for the next batch
- 5- possibility to be invited and featured in webinars
- 6- Opportunity to receive special "**supertalent**" certificate

You can use the [**Content Questionnaire**](#) to submit content (not assignments), e.g., articles, studies, projects relevant to Bitcoin (needs to have relevant Bitcoin insights/content)

Team

CONSTANTIN LICHTI

Doctoral Candidate | Research Associate



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Bitcoin Talents Team

This program is operated by the **Frankfurt School Blockchain Center**



Prof. Dr. Philipp Sandner
Head of Frankfurt School
Blockchain Center (FSBC)



Constantin Lichti
Program Manager, FSBC



Daniel Holk
Co-Program Manager, FSBC



Julian Proft
Core Team, FSBC



Sebastian van Staa
Core Team, Bitcoin Developer /
Educator



Dominik Peer
Head of Web3 Talents,
FSBC



Manuel Müller
Partnerships Management,
FSBC

Bitcoin Talents Team

.... and many more excellent mentors!

- [Dr. Mathias Linkerhand](#), Theoretical Physicist
- [Nicole Nowak](#), Training consultant at Allianz
- [Freerk Ohling](#), Solutions Architect at Alice&Bob
- [Leonard Pust](#), Founder of BitMoin
- [Oliver Schantin](#), Founder of basenode.io
- [Katharina Strohmeier](#), DLT Talents alumna
- [Sunny Jiang](#), DLT/NFT Talents alumna
- [Bert Staufenbiel](#), DeFi Talents alumni
- [Patrick Schöni](#), Fintech & Crypto Entrepreneur
- [Luca Ferrarese](#), Bitcoin Talents alumni
- [Ian Forbes](#), Bitcoin Talents alumni
- [Gloria Traidl](#), DLT/NFT Talents alumna
- [Yahya Al-Salqan](#), Bitcoin Talents alumni
- [Ilka Kranefuß](#), DLT Talents alumna
- [Michael Batelka](#), Bitcoin Talents alumni
- [Jelena Gjorgjev](#), Bitcoin Talents alumni
- [Falk von Zobeltitz](#), Bitcoin Talents alumni
- [Giannis Rousopoulos](#), DeFi Talents alumni

Guest Speakers

Drawing from our vast network, we are able to invite guest speakers to share their knowledge and experiences about Bitcoin with our participants. Here are some of our past and present guest speakers:



Sebastian van Staa
Bitcoin Developer / Educator, BitDevs Berlin



Philipp Büchel
Founder, Blockchain Büro



Rachel Geyer
"Jill of All Trades" at terahash.space



Nicole Nowak
Training Consultant, Allianz



Alex von Frankenberg
Managing Director, High-Tech Gründerfonds



Lukas Pfeiffer
Founder, Cryptooxygen



Sebastian Markowsky
CSO, Coinsource



Yannic Fraebel
Founder, Simple Crypto

Breakout: Who Are You?

Questions for the breakout room

Present yourself to the others (max. 3 minutes per talent)

- **Your profile:** What is your name? Where do you work? Where do you come from?
- **Bitcoin & blockchain:** What was your first contact with Bitcoin & blockchain technology?
- **Motivation:** Where do you see yourself at the end of the program?
- **Bitcoin as a concept:** What are currently your favorite aspects of Bitcoin and why?

News

Bitcoin ETF at a glance

Is it a big deal?

- The Bitcoin ETF opens the crypto market to financial institutions. Now, investors can expose themselves to Bitcoin conveniently from their securities account without worrying about private keys and tedious onboarding on exchanges.

Was it a successful launch?

- At over USD 7.8 billion, the trading volume set a new record in the ETF world. Even after deducting grayscale transactions, a remarkable volume of just under USD 3.7 billion remains.
- Grayscale is a digital currency company that is also the largest Bitcoin miner in the world. GBTC, a Bitcoin investment trust that is managed by Grayscale Investments, LLC has been converted into an ETF. This results in outflows that offset other inflows.
- There is still 27 billion in GBTC and the fees are not competitive at 1.5%, this circumstance will continue to influence the market for quite some time.

What happens when I order a Bitcoin Spot ETF?

- BlackRock and the other issuers work with Authorized Participants (APs), who buy or sell real Bitcoin and at the same time create or redeem the corresponding ETF shares in order to bring the assets under management in line with the market value of the ETFs.
- However, this does not happen immediately, but with a delay.

Bitcoin ETF at a glance

Do you own Bitcoin after buying an ETF share?

- No, investors only acquire shares of a fund and not the underlying asset.

Does the Spot ETF contradict Bitcoin's philosophy?

- Yes kinda. One idea behind Bitcoin is to replace the traditional financial system. Spot ETFs lead to financial institutions accumulating a lot of Bitcoin, which grants them power over the Bitcoin market and potentially single points of failure.
- New investment opportunities in Bitcoin lead to a higher demand which drives the price up and potentially stabilizes it in the future. The increased exposure to Bitcoin, however, might lead people into self-custody and getting behind the original philosophy of Bitcoin

More news:

- [The first test run of Ethereum's Dencun update has been successfully completed](#)
- [~10K vendors around the globe accept Bitcoin \(Btcmap.org\)](#)
- [Digital asset investment products hit \\$17.5B in trading volume in second week of January.](#)
 - Trading volumes were US\$17.5bn, the highest on record, compared to an average of US\$2bn per week in 2022

Bitcoin Talents Community



Bitcoin Talents WhatsApp community:
<https://chat.whatsapp.com/ISH2oX2zF4B6mXa2zdRc43>

Follow us on



Bitcoin Talents Slack community:
https://join.slack.com/t/bitcointalents/shared_invite/zt-1zer29myu-qXoRoq7Hv2Tauwa6Vh900w

Assignment & Outlook

Assignment 1

DYOR!

1. **Read all chapters of “[21 Lessons](#)” and the [Bitcoin whitepaper](#).**
 - a. Summarize your key learnings from each chapter of “21 lessons.”
 - b. Summarize your key learnings from the Bitcoin whitepaper in your own words.
2. **Practical: Bitcoin transaction**
 - a. Obtain a Bitcoin address and send there some fractions of a Bitcoin.
 - b. Observe the transactions on the block explorer.
 - c. Also observe the mempool.

Present your observations

- d. Work and record your findings in a Google Slides presentation for your presentation in the next session.
- e. Create high-quality slides.
- f. Include references and hints for the other participants.

REMINDER: In order to participate in the program, you need to fill out this [FORM](#). We need your confirmation on this form for GDPR reasons. Please note **that you cannot participate in the program** without filling out the survey.

Outlook on the next session

Phase	Session number	Week	Date of session	Topic
Phase 1: Acquiring fundamental knowledge	1	1	January 24, 2024	Kick-off
Knowledge: <ul style="list-style-type: none">• Bitcoin transactions• Bitcoin addresses• Blocks and hashes• Wallets, public keys, private keys• Nodes and mining• Satoshi Nakamoto• Energy consumption and CO₂ footprint Goal: <ul style="list-style-type: none">• Guidance concerning what to learn• Building knowledge• Discussion of open questions in our sessions	2	3	February 7, 2024	My first Bitcoin transaction, my wallet, and first learnings
	3	5	February 21, 2024	Fundamentals of Bitcoin <ul style="list-style-type: none">• Blocks and hashes• Wallets, public keys, private keys• Nodes and mining• Satoshi Nakamoto• Energy consumption and CO₂ footprint

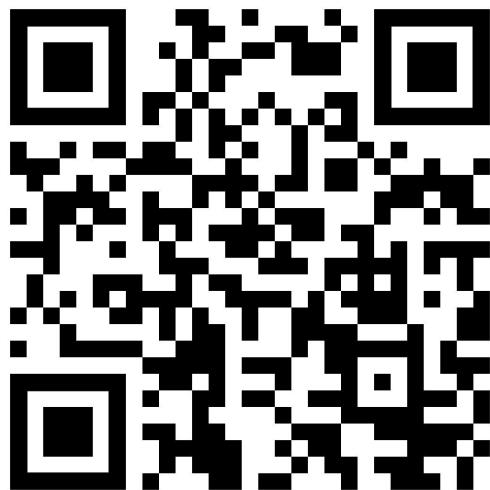
Assignment XYZ

Add your text, images, screenshots, slides etc. here

Use this slide and add your content, text, image, screenshots etc. here. To do so, make a copy of this file for your own slides: Click on "File", "Make a copy", save the URL, then edit slides. Create more assignment slides when needed and change layout/design if desired.

Try to present your **key** learnings in less than 3 min.

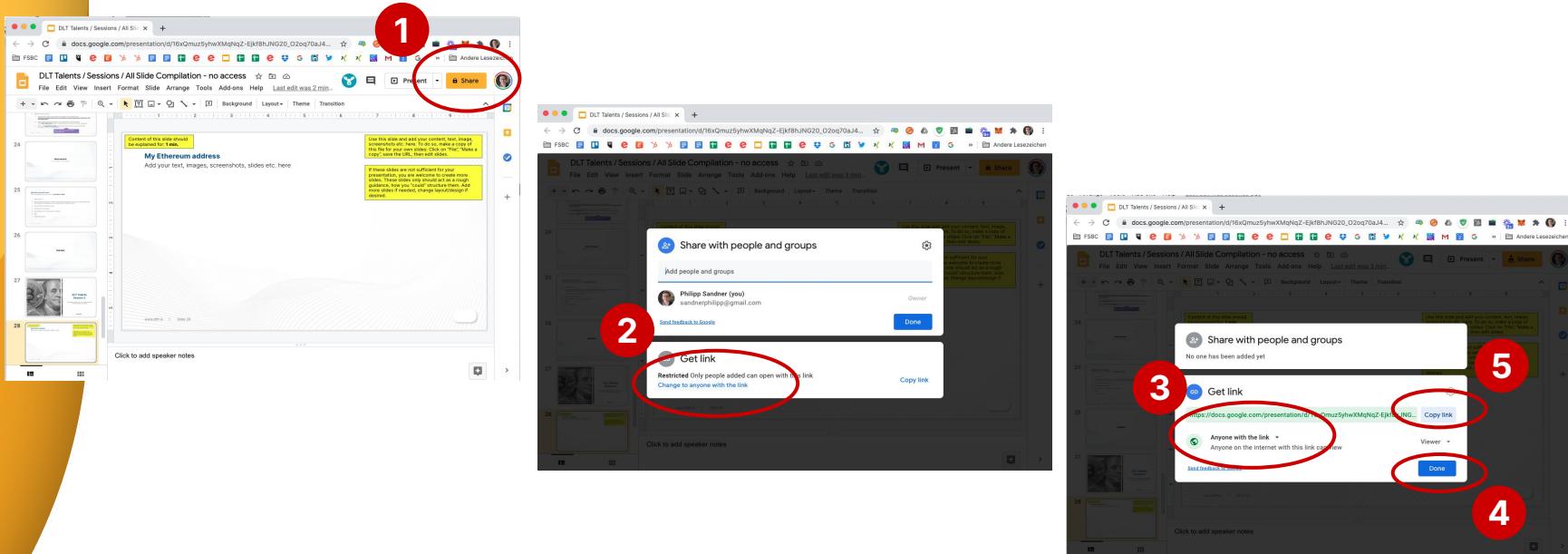
Submit Assignment



<https://forms.gle/iRNjCf8TCHi8My7v5>

How can you share a Google Slides presentation?

With a few click within Google Slides you can generate an internet link so that others can view your slides. You can also allow or prevent editing as you wish.





Bitcoin Talents

Next: Session 2

February 7, 2024

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