











DeFi Talents













Frankfurt School Blockchain Academy

Offers "Blockchain Masterclass" trusted source for both essential and expert know-how around blockchain. crypto assets and DLT.

blockchain-academy.io team@fs-blockchain.de

Crypto Assets Conference

Largest 3-day conference on the topics of blockchain, DLT, and crypto assets in Germany; 2x per year; 1500 participants per conference.

crypto-assets-conference.de team@fs-blockchain.de

Certification program for in-depth understanding of crypto assets. DLT frameworks and DLT-based use cases in non-financial domains.

defi-talents.com info@frankfurt-school.de

DLT Talents

3-month mentoring program offered to 150+ women per year to empower them for leadership in the blockchain, crypto assets, and DLT space.

dlt-talents.com hello@dlt-talents.com

Workshop series for organizations targeting executives which require certification of advanced blockchain knowledge for regulatory reasons.

Digital Asset

Seminar

Series

ifb-group.com info@ifb-aroup.com

DLT Education Consortium

Swiss-based company offering attestations of knowledge for professionals in blockchain and digital assets.

decinstitute.org info@decinstitute.ora

intas.tech

Consulting company integrating digital assets into the entire enterprise value chain; joint venture with Plutoneo.

intas.tech info@intas.tech

Digital Euro Association

Non-profit association and think tank specialized on CBDCs, stablecoins, and other forms of the digital euro.

digital-euro-association.de info@digital-euro-association.de

International Token Standardization Association

ITSA aims at promoting the development and implementation of market standards for cryptographic tokens.

> itsa.global team@itsa.global

Our Partners







SettleMint















Frankfurt School **Blockchain Center**

H

Digital Asset

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knowledge for

ifb-group.com

info@ifb-aroup.com

Our Portfolio



Frankfurt School

Blockchain Academy



Crypto Assets Conference

Monthly panel Largest 3-day discussions with Prof. Sandner and industry experts + educational video playlists about recent trends and developments conference.

blockchain-academy.io team@fs-blockchain.de

conference on the topics of blockchain, DLT, and crypto assets in Germany; 2x per year; 1500 participants per

crypto-assets-conference.de team@fs-blockchain.de



Web3 Talents

Mentoring program for in-depth understanding of various topics composed of DeFi Talents, DLT, NFT, and Bitcoin Talents.

web3-talents.io info@frankfurt-school.de



DEC INSTITUTE

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defi-talents.com info@frankfurt-school.de DLT Talents

3-month mentoring program offered to 150+ women per year to empower them for leadership in the blockchain, crypto assets, and DLT space.

dlt-talents.com hello@dlt-talents.com NFT Talents

18-week mentoring + program empowering innovators to dive into blockchain technology and NFTs to become leaders in the NFT space.

nft-talents.com info@frankfurt-school.de

its

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Our Partners























Our Mission



The Frankfurt School Blockchain Center is a think tank and research center which investigates implications of the blockchain technology, crypto assets and distributed ledger technology (DLT).



Objective

Besides the development of prototypes, FSBC serves as a platform for managers, startups, technology and industry experts to share knowledge and best practices.



Execution

Together with our partners we engage innovative topics such as CBDC, DeFi, and more. Our portfolio includes work in the areas of research, consulting, training and events.



Mission

Our mission is to support businesses and contribute to the public and political discourse through research and education. We generate new knowledge about commercial, managerial and societal implications of blockchain technology, develop prototypes and help businesses and their stakeholders better understand DLT.

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Facts & Figures



Since its inception in 2017, the Frankfurt School Blockchain Center has been performing a wide range of activities around crypto assets, blockchain and DLT for many different clients and partners.



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Prof. Dr. Philipp Sandner





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- twitter.com/philippsandner

- Founding member of Blockchain Bundesverband e.V.
- Member of the FinTech Council of the Federal Ministry of Finance Germany (BMF)
- Member of the **EU Blockchain Observatory** (Working Group "Policy & Framework Conditions")
- · Founding member of the International Token Standardization Association (ITSA) e.V.
- Founding member of the Multichain Asset Managers Association (MAMA)



Prof. Dr. Philipp Sandner is head of the Frankfurt School Blockchain Center (FSBC) at the Frankfurt School of Finance & Management. His expertise includes blockchain technology in general, crypto assets such as Bitcoin and Ethereum, the digital programmable Euro, tokenization of assets and rights & digital identity.

Prof. Dr. Philipp Sandner was repeatedly ranked as one of the "Top 30" economists by the Frankfurter Allgemeine Zeitung (FAZ), a major newspaper in Germany. Further, he belonged to the "Top 40 under 40" – a ranking by the German business magazine Capital.

www.fs-blockchain.de

Our Team





Prof. Dr. Philipp Sandner

Head of Frankfurt School Blockchain Center







Alexander Laub

Operations Manager FS Blockchain Center





Constantin Lichti

Bitcoin & Public blockchains, Blockchain adoption research





Daniel Holk

Blockchain technology & Cryptocurrencies





Cedric Heidt

Token economics, Entrepreneurship, Due Diligence & Research





Sarah Palurovic

Trustless technologies, IoT, Digital Euro





Ilka Kranefuß

Frankfurt School Faculty, Administrative support, Community Management





Masud Sultan

DeFi, Data Analytics, Entrepreneurship





Marc Anders

DeFi, DAOs, Web3, industry 4.0 & research





Dominik Peer

DeFi, Cryptocurrencies, Digital Business





Julian Proft

Web3, Due Diligence, consensus mechanisms, social philosophy

in



Valentin Kalinov

Blockchain Technology, DAOs, DeFi

in

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Blockchain technology & Cryptocurrencies





Jong-Chan Chung

DeFi, Digital euro, Data analytics & Visualization





Cedric Heidt

Token economics, Entrepreneurship, Due Diligence & Research





Valentin Seehausen

CBDCs, DeFi, Smart Contracts





Ilka Kranefuß

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Sarah Palurovic

Trustless technologies, IoT, Digital Euro





Kiana Weiss

DLT Education, Research, Public Blockchains





Masud Sultan

DeFi, Data Analytics, Entrepreneurship





Marc Anders

DeFi, DAOs, Web3, industry 4.0 & research





Dominik Peer

DeFi, Cryptocurrencies, Digital Business





Julian Proft

Web3, Due Diligence, consensus mechanisms, social philosophy





Forbes























BUSINES

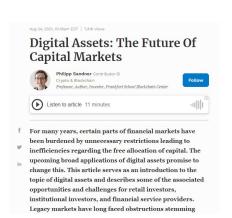
Why hackers rely on Bitcoin for ransom payments

The cryptocurrency is considered transparent and decentralized. In the blockchain, all transactions can be traced forever. Nevertheless, Bitcoin is a currency of choice for cybercriminals. How does that square up?





Bitcoin is said to have made ransomware extortion fashionable in the past few years





Bedeuten die aktuellen Wertverluste das Ende der Bitcoin-Hausse? Philipp
Sandner leitet das Blockchain-Center der Frankfurt School of Finance &
Management – und glaubt eher an das Gegenteil.



FSBC in the media

- Thanks to its reputation as the leading association of German experts in the field of digital assets, the Frankfurt School Blockchain Center is often used as a source for new articles, interviews for various television and radio stations, and more.
- We put an emphasis on sharing our knowledge in the space of DLT based on current research results and insights of our experts.



























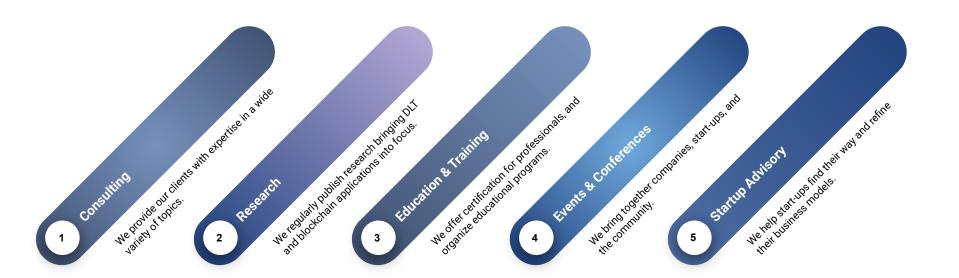








While we do a variety of different work on projects for clients all over the world, what we do can be summarized in five categories. The following slides show some examples, to give you a better understanding of the FSBC.



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Consulting

Umweltbundesamt - German Federal Environmental Agency

Feasibility study to assess whether the CO2 emissions register can be moved onto a DLT based system.

- > In collaboration with Datarella and Capgemini, the Frankfurt School Blockchain Center has been tasked with assessing the feasibility of moving the German National CO₂ register onto a DLT-based system.
- The current processes are time consuming and require a considerable amount of manual processing. The focus of this study is assessing how distributed ledger technology can be used to improve efficiency and automation of the system.
- > The proposed solution lays the groundwork for future innovation, since a DLT-based system could be extended to incorporate other aspects of the process, such as emissions trading.





Research: CO₂ Footprint of BTC investments

Transaction-based carbon footprint formula

Variables:

CO eq= Carbon dioxide equivalent [t]

X₂ = Proportional network usage at a specific point in time t

TX_{sis} = Transaction size [bytes]

BS = Blockchain size [bytes]

BC = Electricity consumption [kWh]

EF_{min} = CO, eq Emission factor [t/kWh]

Usage-based carbon footprint

$$CO_2eq(x_t) = x_t * \overline{EC} * EF_{CO_2eq}$$

Proportional network usage

$$x_t = \frac{\sum_{i=1}^{t} T x_{size}}{BS_t - BS_i}$$

Electricity consumption (standardized)

$$\overline{EC} = \frac{1}{t} \sum_{i=1}^{t} EC_{i}$$

Researching a standardized method allowing investors to calculate their CO₂ Footprint associated with Bitcoin investments. Paper will be published later this month.

Bitcoin electricity consumption September 1, 2020 - August 31, 2021

Theoretical lower bound

TWh

90.86

253.05





Research

ESG meets DLT

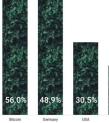
The FSBC is committed to helping create a better future - to that end a lot of our research is focused on ESG compatibility.



In our recent research paper, we outline a standardized method for calculating emissions associated with Bitcoin transactions to encourage offsetting in line with the net-zero approach to combating climate change.

Our methodology is currently being employed to offset the Iconic Funds Physical Bitcoin ETP (ISIN: DE000A3GK2N1)





% of electricity from sustainable sources





14.4%

Source: Bitcoin Mining Council (2021)





Research

Frontier research about DLT

We regularly explore the possibilities of blockchain technology through academic studies.



lished a complete blockchain-based healthcare ecosystem within a decade

(Müller, 2019), but on the other hand, only the first steps in applying the tech-

nology are made in countries like Germany (Zahorsky, 2018).







We regularly publish our research on Medium.

Follow us to stay up to date!

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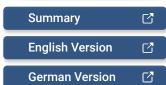


Study on the programmable Euro

Exploring the technical and economical implications of a programmable Euro

- >70-page study commissioned by the Finanzplatz München Initiative (fpmi)
- Addressing the topic programmable Euro a blockchain-based form of the euro enabling programmable and automatable payments
- The study sets out how DLT-based payment systems and a programmable Euro can promote innovative business models for the real economy and the financial sector
- Goal of the study is recommending actions to strengthen Germany as a financial centre









DLT Talents (DLTT) ☑

An education program empowering female innovators for leadership in the blockchain space.

- > Blockchain has given us an opportunity to make the world more equitable. Unfortunately, in recent years there has been a lack of female innovators in the space. The mission of our DLTT program is to change this..
- Participants join an 18-week program, free of charge, which is a mix of mentoring and self-study. Participants share what they learn with their peers in bi-weekly zoom meetings, make new connections in the DLT field and get hands-on experience.









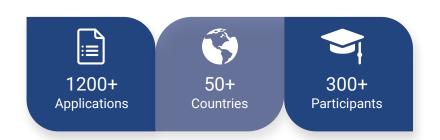


3 Education

DeFi Talents 🖸

An education program empowering talents for leadership in the decentralized finance space.

- We have designed an 18-week long program that will help ambitious and young career starters to break into the decentralized finance (DeFi) ecosystem. Our goal is to guide the way for innovators to become entrepreneurs, technologists, lawyers, investors, or multiplicators in the surging DeFi space.
- > Participants join an 18-week program, free of charge, which is a mix of mentoring and self-study. Participants share what they learn with their peers in bi-weekly zoom meetings, make new connections in the DeFi field and get hands-on experience.













Web3 Talents

An education program empowering the next generation of talent in the web3 space.

- **d** DLT Talents
- d DeFi Talents
- ✓ NFT Talents
- d Bitcoin Talents
- d ReFi Talents

> Talents programs are 18-week long guided self-study programs that will help ambitious, and young career starters to break into the Web3 ecosystem. Our goal is to guide the way for innovators to become entrepreneurs, technologists, lawyers, investors, or multiplicators.









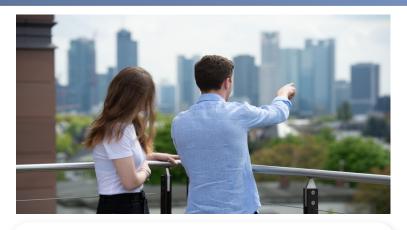


Master in Blockchain & Digital Assets (MSc) ☐

A post-experience master program for business professionals that want to take their career to the next level.

- The seven modules include basics of blockchain technology, crypto assets and smart contracts, future financial markets, blockchain regulation and law, smart contract bootcamp, blockchain strategy and blockchain in business
- Highlights include a blockweek in Zurich and Zug, the crypto valley, students build their own Bitcoin Lightning Node at home, gaining access to the Al lab, close affiliation with the Frankfurt School Blockchain Center, professors with vast experience in crypto, digital asset and money-related domains will lecture





Programme start 8 November, 2022

Duration 4 Semesters | part time

Degree Master of Science (MSc) | 60 ECTS

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Training

Digital Assets: Seminar on Blockchain and Digitization

Executive training program in collaboration with ifb group.

> Considering the pressing importance of both digitization and blockchain technology and the busy schedules of executives we regularly host seminars making difficult topics easy to understand, preparing leaders for the age of digitalization.



> Participants earn a certificate of completion, which can be submitted to by the German Financial Market Authority.



Blockchain Basics

The course begins by introducing the basics of blockchain technology including smart contracts, tokenization and custody.



Regulation

One of the four blocks is dedicated to analysing the regulatory environment, including IT governance, national laws and supervisory requirements.



Networking

Dedicated networking sessions enable the participants to expand their community.



Business Cases

Decentralized structures allow for cooperation among different actors (e.g. humans, machines, sensors). Participants learn about use cases from experts in their industries.



Colloquium

Participants must prepare a final colloquium to showcase their understanding of the material covered during the seminar.

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Events

Crypto Assets Conference (CAC) ☐

Biannual event hosted by FSBC featuring a diverse pool of speakers, panel discussions and more.

The Crypto Assets Conference has been hosted by FSBC since 2018. Considering all the exciting developments happening in the blockchain space this conference gives participants an opportunity to share what they are working on and network with attendees, from start-ups, leaders in the finance sector, and representatives of the public sector.













Keynotes & Presentations
15+

15+ 5
Panel Discussions 0

5000+
Online Attendees

Startup Pitches

120+
Speakers

орешкего

1000+

Telegram Group Members

In collaboration with:





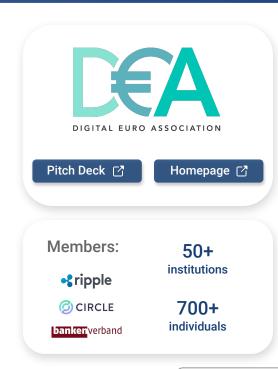


Collaboration

Digital Euro Association

Non-profit think tank specializing in CBDCs & stablecoins

- The Digital Euro Association (DEA) is a (non-profit) think tank specializing in central bank digital currencies (CBDCs), stablecoins, crypto assets, and other forms of digital money.
- The DEA's mission is to contribute to the public and political discourse on the digital euro through research, education, and by developing a platform and community.
- The Frankfurt School Blockchain Center is founding member and partner of the DEA and various FSBC employees are part of the DEA Board and executive team.





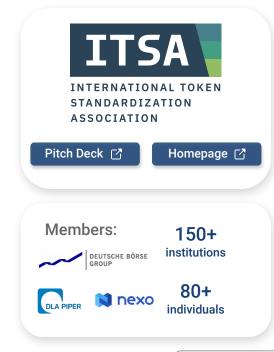


Collaboration

International Token Standardization Association

Non-profit think tank specializing in market standards for DeFi and security tokens

- The International Token Standardization Association (ITSA) is a non-profit organization and special interest group aiming to develop and implement comprehensive market standards for identifying, classifying, and analyzing cryptographic tokens
- ITSA provides clarity and transparency for traditional financial institutions by bringing order to the chaotic DeFi and security token markets
- The Frankfurt School Blockchain Center is founding member and partner of ITSA and various FSBC employees are part of the ITSA Board.







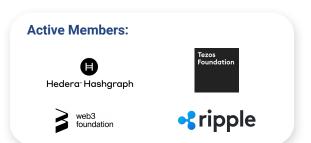
Collaboration

DEC | Institute

DLT Education Consortium - Online Certifications for Blockchain, Digital Assets & Web3 Professionals

- Holistic, up to date, and secure online examination 24/7/365, covering different professional disciplines around DLT, blockchain and digital assets
- Active members of the DEC launch and distribute the certificates in their region and can join the DEC's committees to shape certification standards and knowledge
- The DEC works with enterprises to ensure that its certifications match the expectations of industry and enable certificate holders to show distinction in the professional environment







Founding and Academic Partners

















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Partnership)



Thinking about becoming a partner of the Frankfurt School Blockchain Center? We offer various partnership packages:

Frankfurt School Blockchain Center	Gold Partner 25,000€ per year	Silver Partner 15,000€ per year	Bronze Partner 10,000€ per year
Mentioned as partner at events and on the FSBC website and in the FSBC Newsletter	~	✓	~
Introduction of interns, working students and graduates	~	~	~
Publication of job advertisements in the FSBC environment	~	~	~
Tickets to FSBC events	15 tickets p.a.	10 tickets p.a.	5 tickets p.a.
Placement as speaker at events	~	~	
Mentioning of partner content via social media	✓	~	
Exclusivity	~		



Services



In addition to our standardized partnership packages we offer individual services:

If you are looking for something specific that is not mentioned here please get in touch with us and let's chat!

Education

We organize, host, and execute workshops as well as routine educational programs.

Our "Talents" programme series including DLT Talents, DeFi Talents, and soon NFT Talents can help you and your team get up to speed.

Quantitative Research

Research conducted by the FSBC, such as surveys, interviews, etc. We specialize in gathering meaningful insights and data from blockchain experts in various fields, analyzing them and presenting our findings. Let us know more about which of the exciting developments in the Blockchain ecosystem you would like to learn more about!

Exploratory Study/Research Paper

Creation of extensive research papers, reports and studies based on qualitative data combined with in-house expertise of the FSBC research team.

Featured Interview

Is your organization getting involved with DLT in an innovative way and you would like to spread the word? Just like us, our vast audience is always keen to hear about new developments in the blockchain space. We routinely do interviews with industry leaders and publish articles based thereon.

Coaching

Looking to get your team ready to apply emerging technologies? Get in touch with us about a custom coaching session.

Consulting

Need another opinion on matters related to blockchain, DLT, CBDC's or something similar?

Speaking

Are you hosting an event or a conference and need a speaker to help the audience grasp the concepts surrounding decentralization, etc?



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