



The British Blockchain Association

Advocating Evidence Based Blockchain

BBA 2023: Year-in-Review



PRESIDENT'S MESSAGE

It has been another remarkable year for the British Blockchain Association (BBA).

This year marked a significant milestone for me personally, as I was honoured to receive my UK National Honour (MBE) from [His Majesty the](#)

[King](#). It was profoundly humbling to become the first person to be bestowed this award in the field of Web3 and Blockchain Technologies.

This year, the BBA has achieved several noteworthy accomplishments. We are now the Secretariat of the [UK Parliament's All-Party Parliamentary Group on Blockchain Technologies](#) (APPG), a responsibility that we take with utmost pride. Hosting the [Web3 industry representatives](#) at the Houses of Parliament on December 14th was a momentous occasion for the UK's Web3 community. I look forward to welcoming some of you at the Blockchain Industry Roundtable in January at the Houses of Parliament, hosted by the APPG on Blockchain, with Secretariat support by the BBA.

Throughout the year, the BBA continued its commitment to knowledge dissemination and academic excellence. We published two more issues of [The JBBA](#) and successfully organised the [5th Blockchain International Scientific Conference](#) ISC2023 in Manchester. At ISC2023, we proudly welcomed [three new Fellows](#) (FBBA) to our esteemed network.

Our [Center for Evidence-Based Blockchain](#) (CEBB) has seen remarkable growth, welcoming 16 new members this year, elevating the total count to an impressive 377 CEBB researchers from 6 continents.

The BBA's Blockchain Associations Forum (BAF) held its 3rd Annual Member Summit in September at our [Metaverse Headquarters](#). The event witnessed the convergence of Heads of Web3 associations, esteemed Members of the UK Parliament and House of Lords, and distinguished Blockchain thought-leaders, embodying a new era of immersive 3-D connectivity and spatial collaboration.

In 2023, BBA [delivered keynote addresses](#) worldwide, covering a range of important topics, from the intersection of AI and blockchain to the [UK's National Blockchain Roadmap](#). These engagements allowed for an enriching exchange of ideas with policymakers and senior decision-makers in the Web3 space.

Your ongoing support and feedback has been integral to our success. I eagerly anticipate our continued collaboration and look forward to sharing further updates in 2024. Should you wish to connect directly or have any suggestions, please feel free to reach out to my secretary via email at

secretary@britishblockchainassociation.org.

Until next time,

Professor Dr Naseem Naqvi MBE

President

My [LinkedIn](#)

BBA in 2023:



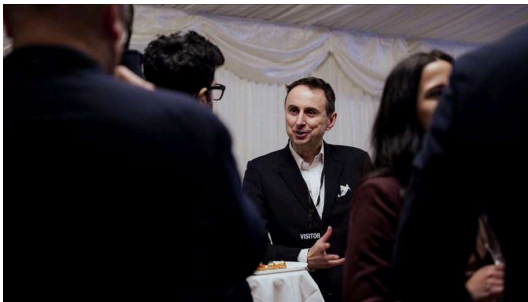
BBA President receiving his MBE from His Majesty The King



BBA EVENTS & CONFERENCES

UK Blockchain Industry Parliamentary Reception











Blockchain Industry Parliamentary Reception, 14 December 2023

With a shared vision to make the UK a global Hub of Excellence in Web3 Technologies, it was a packed Thames Pavilion in the Houses of Parliament, bringing together policymakers, regulators, industry, academia, innovators, start-ups, lawyers, trade & supply firms, and thought-leaders in Blockchain.

The British Blockchain Association as the Secretariat of the APPG organised and hosted the event, with introductory remarks from Prof. Dr Naseem Naqvi

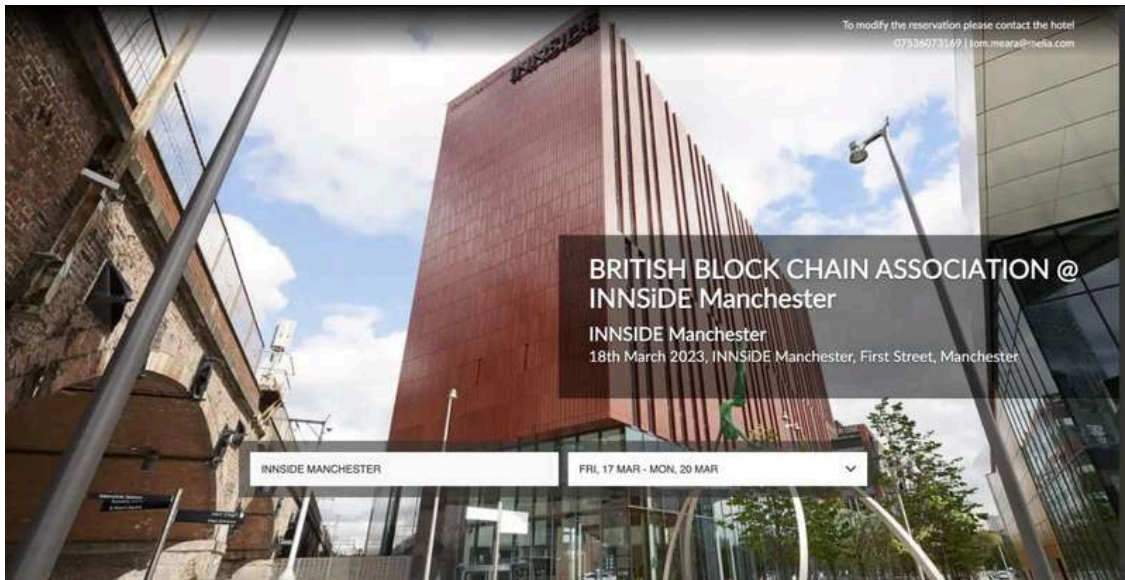
MBE, followed by an insightful Keynote speech from APPG Chair, Natalie Elphicke OBE MP.

APPG Chair's Speech at Industry Reception



 The Official video of APPG Blockchain Industry Reception

Blockchain International Scientific Conference ISC2023



The official video of BBA's 5th Blockchain International Scientific Conference #ISC2023!

ISC2023 Speakers



5TH BLOCKCHAIN INTERNATIONAL SCIENTIFIC CONFERENCE

#ISC2023

18 MARCH 2023 | MANCHESTER | UK
Conference Theme: "Re-inventing the Future"



Speakers from the following organizations participated in the ISC2023.

BBA'S 5TH BLOCKCHAIN INTERNATIONAL SCIENTIFIC CONFERENCE #ISC2023





Certificate of Continuing Professional Development [CPD]



**5TH BLOCKCHAIN
INTERNATIONAL
SCIENTIFIC CONFERENCE**

#ISC2023

18 MARCH 2023 | MANCHESTER | UK

Conference Theme: "Re-inventing the Future"

I participated in the BBA's #ISC2023

Proof of Attendance NFT CPD Certificate issued on the Blockchain

www.britishblockchainassociation.org



The British Blockchain Association

Advocating Evidence Based Blockchain

THE JBBA THE JOURNAL OF THE
BRITISH BLOCKCHAIN
ASSOCIATION

CEBB Centre for
Evidence-Based Blockchain



All delegates of ISC2023 received a unique Proof of Attendance (POAP) CPD
Certificate issued on the Blockchain! 🎓

👉 The NFT certificate could be saved, downloaded, and shared via a mobile
app, serving as an immutable, permanent record of the learning activity.

BBA's BAF Summit 2023



The Blockchain Associations Forum, aka "**United Nations of Blockchain**," consisting of 51 member nations, convened at the 3rd Annual Member Summit of the Blockchain Associations Forum in the Metaverse on September 20, 2023.

The Summit culminated in the issuance of Proceedings which reflected the viewpoints and proposals of the participating countries and will be shared with policymakers, regulators, and government decision-makers worldwide in the upcoming issue of The JBBA.

Hosted by the BBA, [Blockchain Associations Forum \(BAF\)](https://britishblockchainassociation.org/baf) is a neutral, transnational harmonisation forum, comprising 56 blockchain and digital asset associations from 51 countries across six continents. To foster nations' collective wisdom, BAF is a unique, interdisciplinary platform committed to debating emerging trends, discussing common pressing issues, and exploring solutions for the many challenges that the industry faces.



Natalie Elphicke MP, Chair APPG on Blockchain, Keynote Speech





**BLOCKCHAIN
ASSOCIATIONS FORUM**
Hosted by The British Blockchain Association

3rd ANNUAL MEMBER SUMMIT
20 SEPTEMBER 2023 (METAVERSE)

The Promise of Web3:
Empowering Societies through Innovation & Sensible Policymaking

<p>SESSION 1 (9:00 AM) CHAIR: AUSTRALIA (BLOCKCHAIN AUS.) Japan, Taiwan, South Korea, New Zealand</p>	<p>SESSION 2 (9:20 AM) CHAIR: FINLAND (BFF/ HELSINKI B. CENTER) Israel, Turkey, Sweden, UAE, Saudi Arab, Norway</p>	<p>SESSION 3 (9:40 AM) CHAIR: SINGAPORE (SUSS NIFT) Ukraine, Malta, Hungary, Liechtenstein, Singapore</p>
<p>SESSION 4 (10:00 AM) CHAIR: GREECE (HELLENIC B.A) Switzerland, Portugal, Italy, Indonesia</p>	<p>SESSION 5 (10:20 AM) CHAIR: SPAIN (ALASTRIA) Denmark, Estonia, Pakistan, Ireland, France</p>	<p>SESSION 6 (10:40 AM) UNITED KINGDOM (HOST) NATALIE ELPHICKE OBE MP Member of Parliament, UK</p>
<p>SESSION 7 (11:00 AM) CHAIR: INDIA (C3I HUB, NATIONAL B.P) South Africa, Poland, Sri Lanka, Kenya</p>	<p>SESSION 8 (11:20 AM) CHAIR: NIGERIA (SIBAN) USA, Belgium, Germany, Gibraltar</p>	<p>SESSION 9 (11:40 AM) CHAIR: BRAZIL (CENTRAL BANK OF BRAZIL) Mexico, , Puerto Rico, Brazil, Argentina, Canada</p>
<p>SESSION 10 (12:00 PM) - Forum Updates PROF. DR. NASEEM NAQVI MBE President, The BBA</p>	<p>SESSION 11 (12:30 PM) - GUEST SPEECH LORD HOLMES OF RICHMOND MBE UK House of Lords</p>	<p>SESSION 12 (1:00 PM) - KEYNOTE SPEECH RT. HON. ANDREW GRIFFITH MP Economic Secretary to the Treasury</p>

Hosted by The British Blockchain Association



Watch Speeches on the BBA YouTube Channel

BBA NATIONAL BLOCKCHAIN ROADMAP FORUM

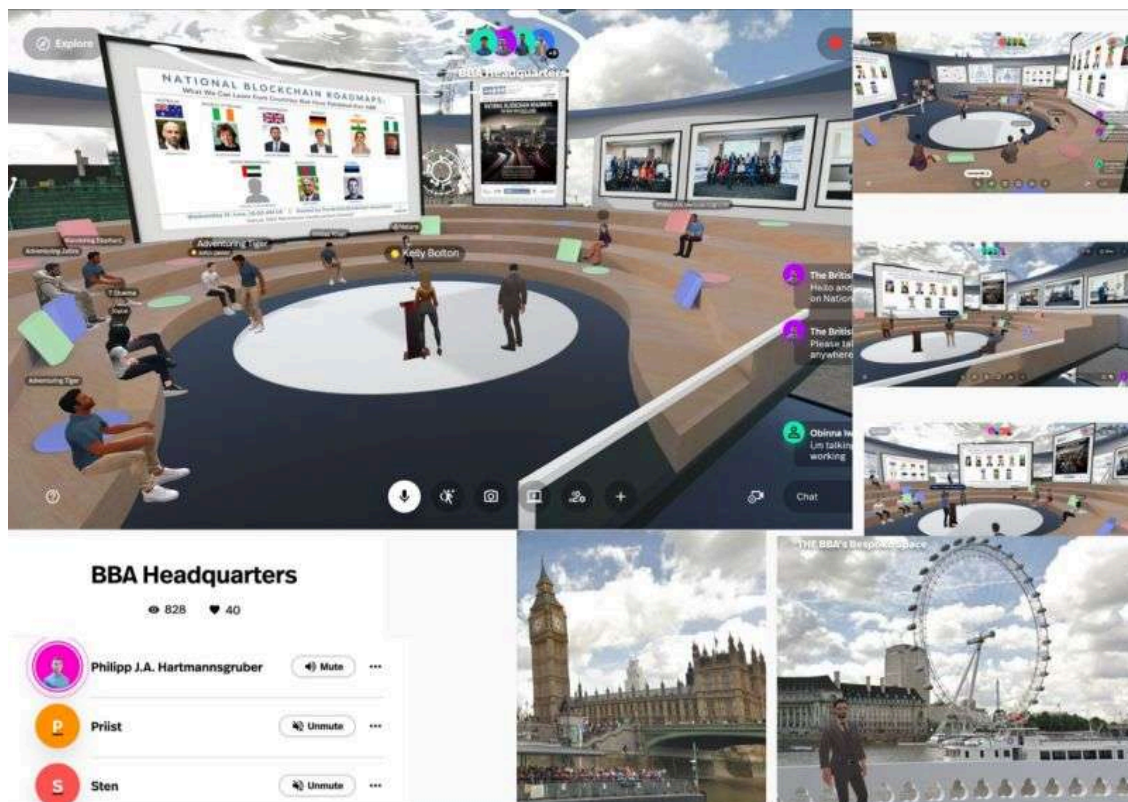
NATIONAL BLOCKCHAIN ROADMAPS:

What We Can Learn from Countries that Have Published their NBR

  JASON POTTS	  JOYCE O'CONNOR	  NASEEM NAQVI MBE	  PHILIPP HARTMANNSGRUBER	  TRISHIE SHARMA	  OBINNA IWUNO
  SPEAKER: TO BE CONFIRMED		  IMTIAZ KHAN	  MIKE GAULT		

Wednesday 21 June, 10:00 AM UK | Hosted by The British Blockchain Association
Venue: BBA Metaverse Headquarters (Spatial)

🌐 Representatives from countries that had published a National Blockchain Roadmap convened to share the progress of their NBR, high-level insights on how to write an NBR, and what other countries could learn from pioneers in the space.



Watch Summary of the Sessions on Our YouTube Channel

Upcoming Events: ISC2024

BBA'S 6TH BLOCKCHAIN INTERNATIONAL SCIENTIFIC CONFERENCE #ISC2024 19 APRIL 2024 | SINGAPORE

THE JBBBA THE JOURNAL OF THE
BRITISH BLOCKCHAIN
ASSOCIATION

 **SUSSNIFT**
Node for
Inclusive Fintech

CEBB Centre for
Evidence-Based Blockchain



 We're thrilled to announce that BBA's *6th* Blockchain International Scientific Conference ISC2024 will be held in Singapore 🇸🇬 !

 Cemented its place as the World's top scientific conference on the subject of Blockchain technologies, ISC2024 will bring together leading researchers, scholars, and experts from around the globe to delve into the latest advancements in the field of Web3, Blockchain, Cryptoassets and Decentralised economies.

 Date: Friday 19 April 2024

 Location: SINGAPORE

 About the Conference:

In its 6th consecutive year, ISC2024 will be an unparalleled platform for interdisciplinary dialogue, knowledge sharing, and collaboration that aims to foster groundbreaking research, innovative ideas, and profound discussions on Web3 topics that are shaping our world today.



**6TH BLOCKCHAIN
INTERNATIONAL
SCIENTIFIC CONFERENCE**

19 APRIL 2024 | SINGAPORE

SUSS
SINGAPORE UNIVERSITY
OF SOCIAL SCIENCES

www.britishblockchainassociation.org/isc2024

Conference Theme: "Innovation Without Borders"

I am Speaking at BBA's #ISC2024

Dr Darcy W.E. Allen PhD

Co-Authors:
Assoc. Prof. Chris Berg PhD
Professor Sinclair Davidson PhD FBBA
RMIT Blockchain Innovation Hub,
RMIT University, Australia

ORAL PRESENTATION
ISC2024/11/ALLEN



The British Blockchain Association
Advancing Evidence-Based Blockchain



**6TH BLOCKCHAIN
INTERNATIONAL
SCIENTIFIC CONFERENCE**

19 APRIL 2024 | SINGAPORE

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OF SOCIAL SCIENCES

www.britishblockchainassociation.org/isc2024

I am Speaking at BBA's #ISC2024

Timileyin Abiodun
Masters Postgraduate Student
Dept. of Electrical Engineering
University of Johannesburg
South Africa

ORAL PRESENTATION
ISC2024/41/ABIODUN

Conference Theme: "Innovation Without Borders"



The British Blockchain Association
Advancing Evidence-Based Blockchain




**6TH BLOCKCHAIN
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I am Speaking at BBA's #ISC2024

Dr Vasily Sumanov PhD
DeFi Researcher & Head of Research
Simon Polanski
Cryptoeconomics Researcher
Powerpool Protocol
CYPRUS

ORAL PRESENTATION
ISC2024/07/sumanov



The British Blockchain Association
Advancing Evidence-Based Blockchain



**6TH BLOCKCHAIN
INTERNATIONAL
SCIENTIFIC CONFERENCE**

19 APRIL 2024 | SINGAPORE

SUSS
SINGAPORE UNIVERSITY
OF SOCIAL SCIENCES

www.britishblockchainassociation.org/isc2024

I am Speaking at BBA's #ISC2024

Daniel Liebau
PhD Researcher
Rotterdam School of Management
Erasmus University
The Netherlands

ORAL PRESENTATION
ISC2024/02/Liebau

Conference Theme: "Innovation Without Borders"



The British Blockchain Association
Advancing Evidence-Based Blockchain




**6TH BLOCKCHAIN
INTERNATIONAL
SCIENTIFIC CONFERENCE**

19 APRIL 2024 | SINGAPORE

SUSS
SINGAPORE UNIVERSITY
OF SOCIAL SCIENCES

www.britishblockchainassociation.org/isc2024

I am Speaking at BBA's #ISC2024

Sinclair Davidson FBBA
Professor of Institutional Economics
RMIT Blockchain Innovation Hub
RMIT University
Australia

ORAL PRESENTATION
ISC2024/34/DAVIDSON

Conference Theme: "Innovation Without Borders"



The British Blockchain Association
Advancing Evidence-Based Blockchain



**6TH BLOCKCHAIN
INTERNATIONAL
SCIENTIFIC CONFERENCE**

19 APRIL 2024 | SINGAPORE

SUSS
SINGAPORE UNIVERSITY
OF SOCIAL SCIENCES

www.britishblockchainassociation.org/isc2024

I am Speaking at BBA's #ISC2024

Dr Klara Sok PhD
Lecturer in Blockchain
Conservatoire National des Arts et Métiers
Portfolio Manager
Rothschild & Co. Asset Management
France

ORAL PRESENTATION
ISC2024/37/SOK

Conference Theme: "Innovation Without Borders"



The British Blockchain Association
Advancing Evidence-Based Blockchain




**6TH BLOCKCHAIN
INTERNATIONAL
SCIENTIFIC CONFERENCE**

19 APRIL 2024 | SINGAPORE

SUSS
SINGAPORE UNIVERSITY
OF SOCIAL SCIENCES

www.britishblockchainassociation.org/isc2024

Conference Theme: "Innovation Without Borders"

I am Speaking at BBA's #ISC2024

Dr Bharath Ramesh PhD
Lecturer in Computer Science
International Centre for
Neuromorphic Systems
Western Sydney University
Australia

ORAL PRESENTATION
ISC2024/16/RAMESH



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**6TH BLOCKCHAIN
INTERNATIONAL
SCIENTIFIC CONFERENCE**

19 APRIL 2024 | SINGAPORE

SUSS
SINGAPORE UNIVERSITY
OF SOCIAL SCIENCES

www.britishblockchainassociation.org/isc2024

I am Speaking at BBA's #ISC2024

Prof Oleksandr Letychevskiy
Associate Professor in Cryptography
Heriot-Watt University
Edinburgh, Scotland, UK

ORAL PRESENTATION
ISC2024/21/Letychevskiy

Conference Theme: "Innovation Without Borders"



The British Blockchain Association
Advancing Evidence-Based Blockchain



BBA at Global Peer Review Week



Interactive Webinar:

Effective Peer Review: The Future of Publishing

27 September 2023 | 4:30 PM UK

Venue: BBA Metaverse Headquarters

<https://britishblockchainassociation.org/METAVVERSE>

For the 6th consecutive year, we were delighted to have taken part in the Global Annual Peer Review Week 2023!



JBBA Global Peer Reviewer Awards 2023



L to R: Markus Bick, Walter Blocher, Mary Lacity, Chris Berg

JBBA Global Peer Reviewer Award, 2023

JBBA Best Research Papers 2023



Best Research Papers of 2023

Digital Assets/ Tokens, Banking or Finance

Crypto-economics or Blockchain Economics

Blockchain for Business, Enterprise or Corporations

Computer Science, Cybersecurity or Cryptography

Blockchain for Humanities, Social Sciences or Public Good

BBA Events In The Metaverse



Prof Naseem Naqvi MBE facilitating a workshop in the Metaverse:
(Epoka University in the Metaverse, 11 January 2023)



August 25 marked the 2nd Anniversary of BBA's entry into the Metaverse - the first Blockchain Industry Association in the world to have established its HQ in the Metaverse.

📍 Notable developments and events hosted in the Metaverse since August 2021:

- ✅ 17 x BBA Forum meetups 🚀
- ✅ The Metaverse HQ was voted as a "Point of Significant Interest" (POI) by more than 5 Million DAO community votes in DCL 🙌 <https://lnkd.in/enMA9HuN>
- ✅ National Blockchain Roadmap Conference (2022) 🌐 <https://lnkd.in/eq3-tsP2>
- ✅ JBBA - The world's first scientific journal that was published in the Metaverse

- ✅ 🎤 Team BBA participated in various metaverse events and led debates on Ethics, standards, frameworks, and benchmarks for the Metaverse: <https://lnkd.in/epNUecrZ>
- ✅ 🎤 BBA delivered keynote speeches on the Metaverse at International Summits (Istanbul Fintech Week 2023)
- ✅ Became a Founding Principal Member of the Metaverse Standards Forum
- ✅ Metaverse Masterclass for Postgrad students and Faculty of Epoka University 🎓
- ✅ 3 X Journal Clubs 🎓
- ✅ Specialty Steering Group meetings of UK NBR (Sean Manion PhD) 🌐
- ✅ 1-1 meetings with Thought-leaders and Heads of various blockchain associations
- ✅ 51 Countries convened for the Blockchain Associations Forum 3rd Annual Member Summit on 20 September 🌐
- ✅ Hosted Christmas 🎄 Quizzes (2021 and 2022) 🧑🏻
- ✅ All events offered participants an #NFT CPD Proof of Attendance Certificate
- ✅ Published a Themed Issue of The JBBA featuring Metaverse Economies: <https://lnkd.in/ezvPpWs4>
- ✅ Published a set of Recommendations for the Metaverse Roadmap for the UK in the form of an Essay: <https://lnkd.in/eQEeFewD>
- ✅ BBA Led the various Web3 and Digital Assets Working Groups at the Metaverse Standards Forums
- ✅ Published Metaverse Infographics on Metaverse for Public Good and Open Metaverse Ecosystem (2021)

And this was just the beginning! - There was more to come! Stay Tuned!!

- ➡ BBA's Metaverse HQ in Spatial: <https://lnkd.in/eXXJDSJP>
- ➡ BBA's Metaverse HQ in Decentraland: <https://lnkd.in/e2zsmYS6>

Our Work with the UK Government

UK Parliamentary Group on Blockchain



BLOCKCHAIN TECHNOLOGIES

All-Party Parliamentary Group



BLOCKCHAIN TECHNOLOGIES: UK All-Party Parliamentary Group



UK Parliament has launched a new Parliamentary Group for Blockchain Technologies

The Group aims to explore and debate on a wide-range of Blockchain and Web3 related domains, including:

Blockchain for **Enterprise, Business and Startups**

Tokenising Real-World Assets

Blockchain Industry growth and **Workforce planning**

Decentralised Finance (**DeFi**) and the **Cryptoeconomy**

Metaverse, NFTs, Smart Contracts and IP Law

Decentralised Autonomous Organisations (**DAOs**)

Blockchain for Government and **Public Services**

Blockchain **Standards and Frameworks**

Blockchain for **Trade, Supply chain and e-Commerce**
Blockchain for **Sustainability**, Net Zero, and Climate Mitigation
Intersection of Blockchain and Allied Disciplines (**AI, Quantum Computing, IoT** et al)
Blockchain **Industry Hubs** and Research Centres
International Collaboration with other major Web3 think-tanks

The Group is Chaired by Natalie Elphicke OBE MP.
Vice Chairs: Lord Iain McNicol, Lord Goddard of Stockport
Officers: Lord Ed Vaizey, Rt Hon Alun Cairns MP
Members: The Lord Lucas, Dr Lisa Cameron, Jo Gideon MP.

The British Blockchain Association is the Secretariat of the Blockchain APPG.

[APPG Website](#)



Alun Cairns MP



BLOCKCHAIN TECHNOLOGIES
All-Party Parliamentary Group

UK
Parliament

Written questions, answers
and statements

[UK Parliament](#) > [Business](#) > [Written questions, answers and statements](#) > [Find written questions](#)

Land Registry

**Question for Department for Levelling Up, Housing and
Communities**

UIN 204014, tabled on 24 October 2023

Potential merits of utilising **Blockchain** Technology in
digitising the **Land Registry**

[APPG – Progress and Updates](#)

[BBA Keynote at Govt. of Gibraltar DLT Event](#)



BBA President **Prof Naseem Naqvi MBE (R)** with **Rt Hon Nigel Feetham KC (L)**, HM Govt. of Gibraltar's Minister for Justice, Trade and Industry

BBA at FCA's Policy Roundtable



On behalf of the BBA, Dr Stylianos Kampakis and Prof. Dr Naseem Naqvi MBE participated in the Roundtable.

Korea & UK Explore Blockchain Collaboration



글로벌 ICT 글로벌 인터뷰

정부기구/협회 인터뷰

파트너 인터뷰

개발사 인터뷰

[영국/블록체인] 영국블록체인협회

www.britishblockchainassociation.org

Professor Dr. Naseem Naqvi (President)

LinkedIn: [linkedin.com/in/naseemnaqvi](https://www.linkedin.com/in/naseemnaqvi)



The British Blockchain Association

Advocating Evidence Based Blockchain

British Blockchain Association

영국 블록체인협회는 2017년 설립되었으며, 150개 국가와의 네트워크를 바탕으로 회원사 및 기관에 다양한 서비스를 제공함. 영국의 블록체인 산업 동향을 알아보기 위해 블록체인협회의 대표 Professor Dr Naseem Naqvi와의 인터뷰를 진행함

Q. 협회 및 서비스에 대한 간략한 소개가 가능한지?

영국 블록체인협회는 분산원장기술(DLT: Distributed Ledger Technologies) 증거 기반 채택을 추진하는 세계 최고의 산업 단체입니다. 저희의 비전은 블록체인 및 기타 DLT의 증거기반채택 쿼드러플 헬릭스(Quadruple Helix) Web3 혁신 에코시스템을 촉진해 영국을 DLT 우수국가로 거듭나도록 하는 것입니다.

✓ 설립연도	2017년
✓ 매출액	영국 런던
✓ 주요 서비스	정책 입안자, 블록체인 엔지니어, 기업 등 여러 주체를 연결해 블록체인 기술을 교육하고 이를 적용함
✓ 주요 파트너	UN, BBC, Dept. for International Trade, British Embassies, HM Treasury, FCA, UK APPG, The Commonwealth, UK House of Lords, UK House of Commons
 Professor Dr Naseem Naqvi (President)	The British Blockchain Association • President 2017 ~ 현재 The Journal of the British Blockchain Association (JBBA) • Editor in Chief Centre for Evidence Based Blockchain • Chair Blockchain International Scientific Conferences (ISC) • Chair March 2019 ~ 현재 Epoka University • Honorary Professor of Blockchain 2002. 01 ~ 현재

🇰🇷 🇬🇧 South Korea's National IT Industry Agency speaks with the BBA to explore collaboration opportunities between Korea and UK blockchain and digital asset firms, and what Korean government institutions and 40,000+ Korean ICT firms can learn from UK's DLT and Crypto ecosystem.

Prof. Dr Naseem Naqvi MBE shares expert insights on how South Korean government institutions and businesses can establish channels for ICT firms to expand businesses by forging new partnerships in the UK, and how the BBA can offer support, mentoring and guidance.

The JBBA Issues 2018 - 2023



Volume 5 - Issue 2
November 2022



Volume 6 - Issue 1
May 2023



Volume 6 - Issue 2
November 2023



Volume 4 - Issue 1
May 2021



Volume 4 - Issue 2
November 2021



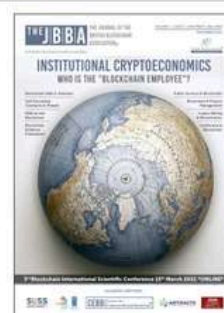
Volume 5 - Issue 1
May 2022



Volume 2 - Issue 2
October 2019



Volume 3 - Issue 1
May 2020



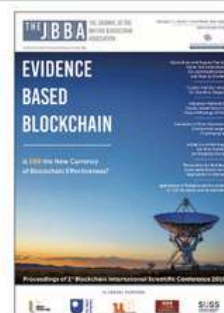
Volume 3 - Issue 2
November 2020



Volume 1 - Issue 1
July 2018



Volume 1 - Issue 2
December 2018



Volume 2 - Issue 1
May 2019

THE JOURNAL OF THE BRITISH BLOCKCHAIN ASSOCIATION (THE JBBA)

We published two issues of the JBBA in 2023: May and November. The journals feature peer-reviewed, ground-breaking, industry relevant research and case studies.

JBBA continues to grow from strength to strength. [The editorial board](#) now comprises of 237 editors and external reviewers.

The JBBA has been indexed in all major universities' libraries around the globe.

Print copies are available at some of the largest libraries in the world including [British Library](#), [Cornell University Library](#) and over 100+ more [around the globe](#)

Journal authors and readers rate the JBBA as **outstanding**. Checkout some of the [Testimonials here](#)

JBBA is [Indexed in DOAJ \(Directory of Open Access Journals\)](#).

JBBA create [infographics of best research papers](#)

Journal publishes [Video Abstracts of research papers](#)

Journal is [ON the Blockchain - ARTiFACTS Blockchain Portal](#)

Journal is permanently archived at [PORTICO](#)

JBBA is [On Publons supporting Authors, Reviewers and Editors](#)

JBBA [offers Language Editing and Translation Services to non-native English speaking authors](#)

JBBA is a publisher member of CrossRef

Journal has a [YouTube Channel](#)

[JBBA papers are quoted by Government Officials, Policymakers, Regulators and High Profile Organisations - Creating a Global Impact](#)

WORLD'S FIRST PEER-REVIEWED BLOCKCHAIN JOURNAL AVAILABLE IN PRINT & ONLINE

BUILDING A DECENTRALISED METAVERSE

THE FUTURE OF BLOCKCHAIN BASED IMMERSIVE ECONOMIES



FEATURED ARTICLES

Tokenomics Beyond 2023
Post-Quantum Algorithms in Blockchain
Change Management Principles in Blockchain Adoption

Liquidity Risks in Decentralised Finance
A Decentralised Metaverse for Public Good
Upgradeable Smart Contracts & OpenZeppelin Technique

3RD BLOCKCHAIN ASSOCIATIONS FORUM (BAF) ANNUAL MEMBER SUMMIT | 20 SEPTEMBER 2023

PROCEEDINGS OF 5TH BLOCKCHAIN INTERNATIONAL SCIENTIFIC CONFERENCE #ISC2023

PUBLISHED BY



The ***11th Issue*** of The Journal of The British Blockchain Association (JBBA)

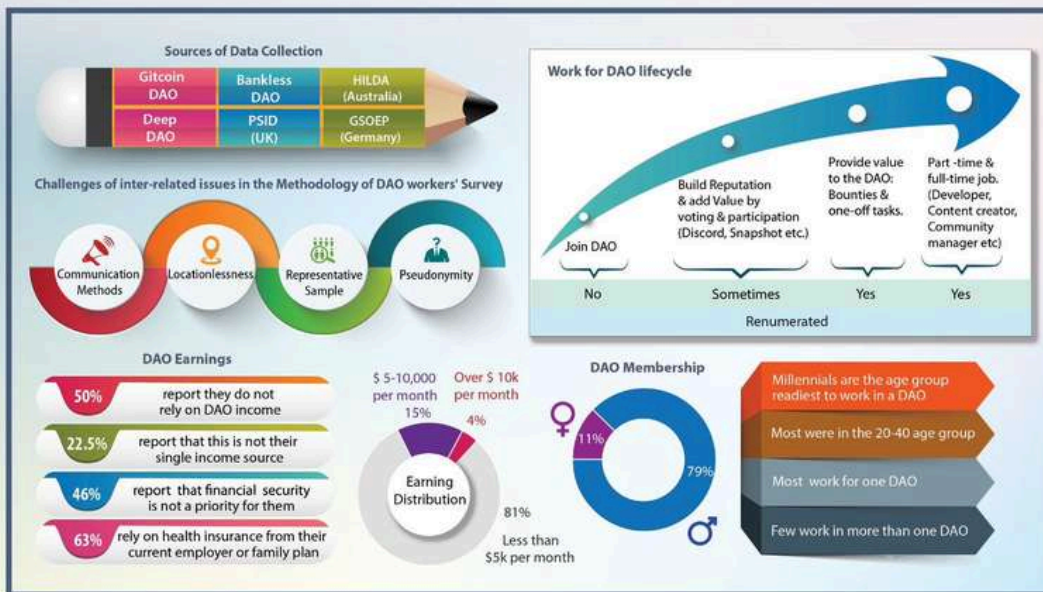
THANK YOU REVIEWERS

The Editorial Board of The JBBA gratefully acknowledges and thanks the reviewers for their time and expertise. The following is the list of reviewers who contributed to the peer review process for the current Issue of The JBBA:

Professor Dr Naseem Naqvi MBE FBBA	UK
Professor Dr Markus Bick	Germany
Dr Aleksei Gudkov	Uzbekistan
Professor Dr Tim Weingaertner	Switzerland
Dr Anish Mohammed	UK
Professor Marc Pilkington FBBA	France
Professor Dr Walter Blocher	Germany
Professor Dr Mary Lacity FBBA	USA
Simon Dyson	UK
Dr Stylianos Kampakis	UK
Professor Dr David LEE, FBBA	Singapore
Professor Dr Rob Campbell FBBA	USA
Dr Mureed Hussain FBBA	UK
Professor Dr Chris Berg	Australia
Professor Dr Ping Wang	USA
Professor Dr Apostolos Kourtis	UK
Professor Dr Chen Liu	Canada
Mathias Haffner	Switzerland
Professor Dr Jeff Daniels	USA

Explore The Journal in the Metaverse

DECENTRALISED AUTONOMOUS ORGANISATIONS: Labour Economics of Web3's Distributed Digital Workforce



FEATURED ARTICLES

Compensation in DAOs: A Proposal

The Tokenomics Audit Checklist: An Audit of DeFi projects, Terra/Luna and Ethereum 2.0

Rewarding Honesty: Incentive Mechanisms to Promote Trust in Blockchain-Based E-commerce

Decentralised Autonomous Organisation: Labour Economics & Decentralised Digital Workforce

DAO Treasuries and Native Governance Token Reporting Practices

Web2 V Web3 Paths to the Metaverse: An Analytical Essay

Proceedings of 3rd Annual BAF Summit on Promise of Web3: Innovation & Sensible Policymaking

6th Blockchain International Scientific Conference ISC2024, 19 April 2024, Singapore

PUBLISHED BY



The ***12th Issue*** of The Journal of The British Blockchain Association (JBBA)

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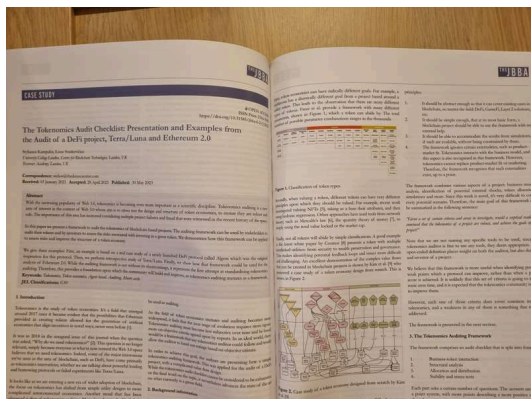
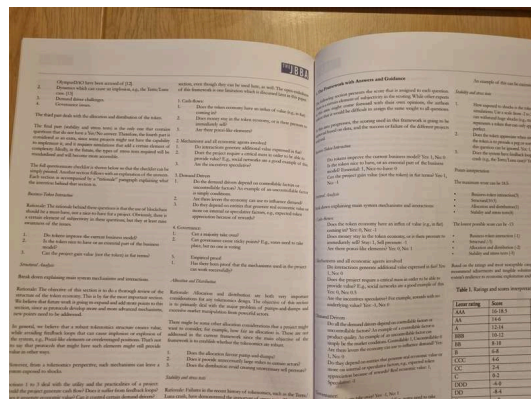


Dr Stylianos Kampakis, CStat • 2nd
Data Science | AI strategy | Web3.0 tokenomics design and auditing
2w • Edited •

Another successful publication on #tokenomics!

#tokenomics auditing will be one of the major themes of the next bull-run.

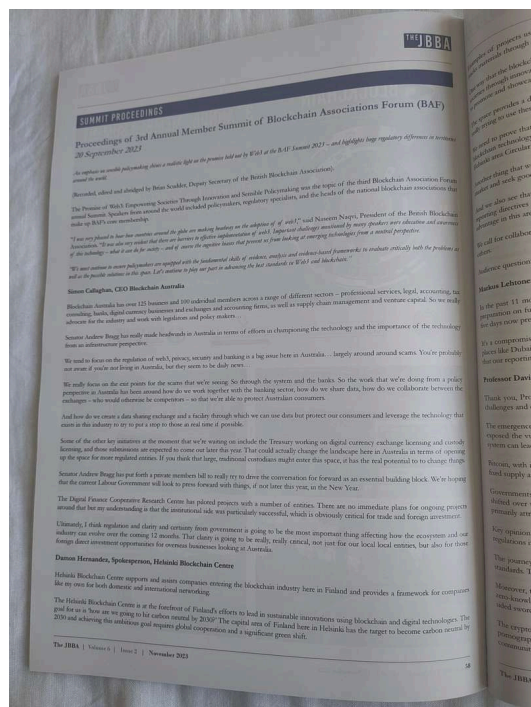
The British Blockchain Association sets the standard with the publication of our comprehensive recommendations and guidelines for the auditing of token economies!



Simon Callaghan • 2nd
CEO & Board Director at Blockchain Australia | Co-Founder & Chief Strategy Officer...
1w •

Fantastic to receive a physical copy of The Journal of The British Blockchain Association.

Great to see my opening keynote from the Blockchain Associations Forum within.





Chia Hock Lai, CFtP • 2nd

Co-founder, Global Fintech Institute | Former Chairman, Blockchain Association Si...
1w • 🔒

Just received my favourite blockchain journal by [The British Blockchain Association](#), a must read for any serious blockchain professional.

Saving it for post [Singapore FinTech Festival](#) reading!

Thanks to [Prof. Dr Naseem Naqvi MBE](#) !

Other BBA Keynotes and Public Engagements



Prof Naseem Naqvi MBE facilitating a workshop in the Metaverse:
(Epoka University in the Metaverse, 11 January 2023)



NASEEM NAQVI
British Blockchain
Association

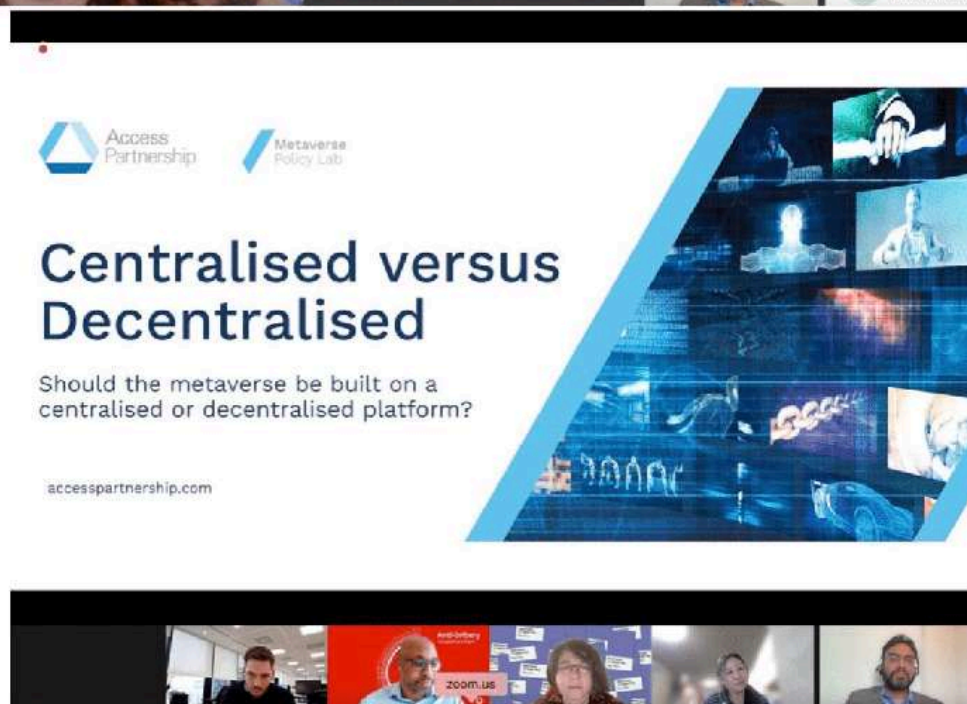
METaverse FOR
CITIZENS & PUBLIC
SERVICES



13 April 2023
11.30 - 11.45

Prof Dr Naseem Naqvi MBE delivered a keynote speech at Istanbul Fintech Week. He addressed the ways in which the Metaverse could improve access to public services





Prof. Dr. Naseem Naqvi MBE delivered a Keynote Speech at the Metaverse Webinar organized by Access Partnership.

[Watch the Full Session Here](#)



BlockW and KPMG

AI Needs Blockchain: This is where Intelligence meets Truth





Dr Irina Tal - Moderator
Assistant Professor DCU
Lead Masters in Blockchain DCU



Prof. Dr Naseem Naqvi MBE
Founding President
British Blockchain Association



Dr Alessandra Sala
Senior Director, AI and Data Science Shutterstock
Co-chair UNESCO Women for Ethical AI
President, Women in AI

When: Wednesday 4th October 2023

Time: 5.30pm – 7.30pm

Venue: KPMG Platform X, 1 Harbourmaster Place, IFSC, Dublin 1, D01 F6F5

Register in Advance: <https://bit.ly/Blockw4thOct23>





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PROFESSOR DR NASEEM NAQVI MBE
PRESIDENT
THE BRITISH BLOCKCHAIN ASSOCIATION

WWW.FINTECHCONNECTEUROPE.COM

BBA President gave a KEYNOTE speech at FinTech Connect.

Over 3000 Tech Leaders and 150+ experts in digital innovation, Blockchain, payments, Fintech, Web3, and Gen AI took part in the 10th annual edition of the Summit.

+ Web3 Stage

3:10 pm - 3:35 pm **Blockchain and AI
convergence for Web3 applications:
Hype or a Game Changer?**

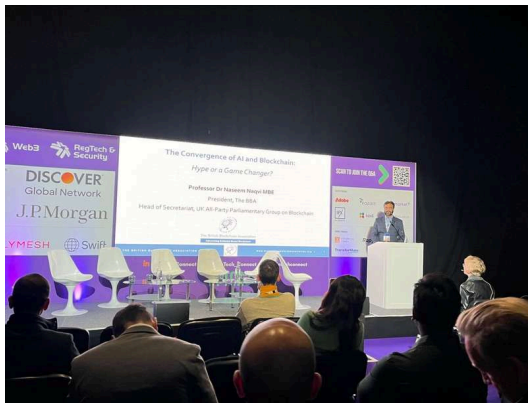
Speakers: **Professor Dr Naseem
Naqvi MBE** - President, **The BBA**

By bringing Trust to Intelligent Data,
the new Era of Blockchain powered AI
ecosystems holds potential for a more
transparent, equitable, and trustworthy
world. But it also poses real challenges
- How do we address these?



**Professor Dr Naseem
Naqvi MBE**

President
The BBA



BBA President Prof. Dr. Naseem Naqvi MBE delivered a keynote speech at FinTech Connect on the topic of:

'Convergence of AI & Blockchain: Hype or a Game Changer?'

Prof. Naqvi spoke about the vital role of Blockchain as a governance layer for AI in building trustworthy, self-sovereign, and economically impactful AI applications.

NEW JBBA RESEARCH PUBLISHED

THE JBBA

PEER REVIEWED RESEARCH

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[https://doi.org/10.31585/jbba-6-1-\(3\)2023](https://doi.org/10.31585/jbba-6-1-(3)2023)

A Review of Upgradeable Smart Contract Patterns based on OpenZeppelin Technique

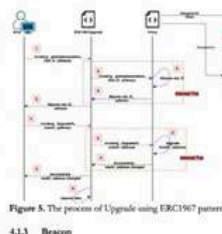
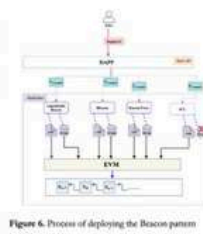
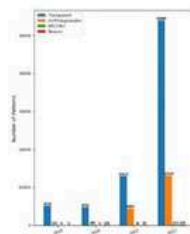
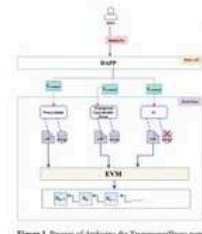
Shaima AL Amri, Leonardo Aniello, Vladimiro Sassone
School of Electronics and Computer Science, University of Southampton, UK

Correspondence: saaa1n18@soton.ac.uk / shaima.alamri@hotmail.com

Received: 30 December 2022 Accepted: 30 January 2023 Published: 20 March 2023

Abstract

The Ethereum blockchain is one of the main public platforms to run smart contracts and enable decentralised applications. Since data stored in a blockchain is considered immutable, smart contracts deployed in Ethereum are regarded as tamper-proof and therefore offer strong protection against attacks aiming at tinkering with the execution flow of an application. Yet, like any other software, a smart



UPGRADEABLE Smart Contracts, Ethereum, & Open Zeppelin Technique

✍ From Shaima AL Amri, **Leonardo Aniello** and **Professor Vladimiro Sassone** of the **University of Southampton**, UK

Published Open Access in The JBBA

Metaverse for Public Good: Embracing the Societal Impact of Metaverse Economies

Naseem Naqvi

Centre for Evidence-Based Blockchain, The British Blockchain Association, London, UK

Correspondence: metaverse@britishblockchainassociation.org

Received: 20 March 2023 **Accepted:** 4 April 2023 **Published:** 7 April 2023

Abstract

The metaverse is internet's next tectonic shift. Currently, there are approximately 400 million monthly users of the collection of worlds

METaverse for Public Good:

Embracing the Societal Impact of Metaverse Economies

➡ This latest JBBA paper explores:

- ✓ National Metaverse Strategies
- ✓ Recommendations for policymakers and governments to construct forward-thinking Metaverse economies
- ✓ Practical applications of the Metaverse for Citizens
- ✓ Multidisciplinary Use cases from around the World
- ✓ Opportunities as well as challenges of the Metaverse ecosystems, including its potential impact on society and public services

👤 From **Prof. Dr Naseem Naqvi MBE** of **The British Blockchain Association**

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COMMENTARY

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[https://doi.org/10.31585/jbba-6-1-\(4\)2023](https://doi.org/10.31585/jbba-6-1-(4)2023)

'Block-Change': Exploring Change Management Principles to Overcome Challenges in Blockchain Adoption

¹Gintare Geleziunaite, ²Sean Manion
¹Department for International Trade, UK
²Equideum Health, USA

Correspondence: stmanion@gmail.com

Received: 21 December 2022 Accepted: 2 January 2023 Published: 1 April 2023

Abstract

Blockchain technology has attracted significant interest and investment over the past decade across multiple industries. While the research and development has been robust and there has been no shortage of attempts at implementation, successful implementations at scale have been somewhat limited. Evaluations of this limited success have often focused solely on the technology or isolated

Change Management Principles for Blockchain Adoption

From Gintare Geleziunaite of the Department for Business and Trade and Sean Manion PhD of Equideum Health.

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DeFi Lending Platform Liquidity Risk: The Example of Folks Finance

Matthias Hafner,^{1,2} Romain de Luze,² Nicolas Greber,² Juan Beccuti,^{2,3} Benedetto Biondi,⁴ Gidon Katten,⁴ Michelangelo Riccobene,⁴ Alberto Arrigoni⁴

¹University of Zurich, Switzerland

²Center for Cryptoeconomics and Swiss Economics, Switzerland

³University of Bern, Switzerland, and Informal Systems, Canada

⁴Folks Finance

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Received: 03 January 2023 Accepted: 03 March 2023 Published: 02 April 2023

Abstract

Decentralised finance (DeFi) lending platforms may experience liquidity risk, which occurs when users are unable to withdraw their

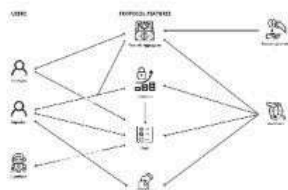


Figure 1. Interactions between Folks Finance's users

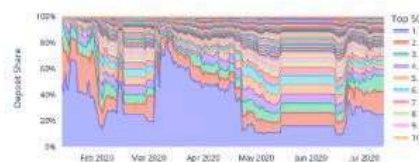


Figure 3. Deposit shares of the top 50 USDC depositors on Aave between January and June 2020 (relative to each other) [15]

Table 2. Bonding utilization ratio if the biggest depositor withdraws his assets

Utilization ratio if the biggest depositor withdraws	U for Aave		U for Aave		U for Aave	
	Ratio	No. of users	Ratio	No. of users	Ratio	No. of users
1.5/20%	0.07	0.07	0.09	0.09	0.05	0.05
1.7/20%	0.06	0.06	0.08	0.08	0.04	0.04
1.9/20%	0.05	0.05	0.07	0.07	0.03	0.03

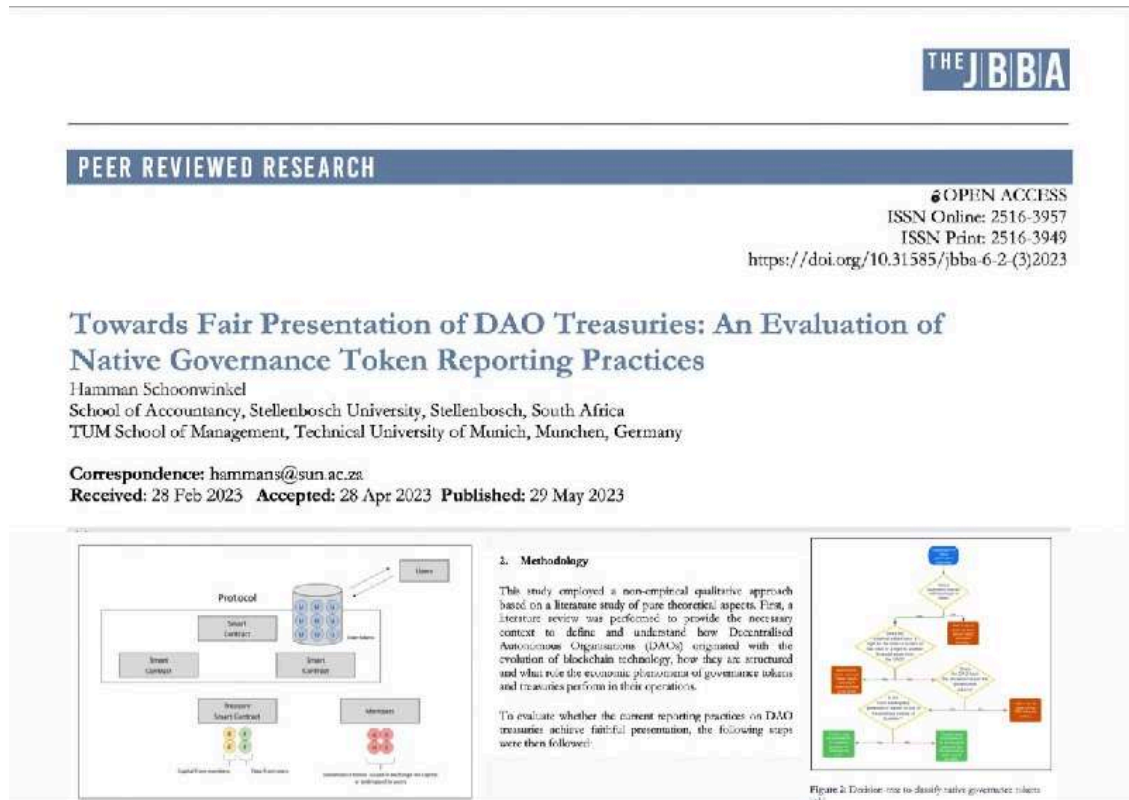
Note: The table shows the scenario with and without 1.5/20%.

DeFi Lending Platform Liquidity Risks:

Recognition, Assessment and Management of Decentralised Finance Lending Risks

✍ From: **Matthias Hafner** of **University of Zurich**, Switzerland
Nicolas Joël Greber, **Swiss Economics** and **Center for Cryptoeconomics**,
Switzerland
Benedetto Biondi of **Folks.Finance** Et al

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International Financial Reporting Standards (IFRS) and DAO Treasuries

- ➡ Are DAO Treasuries and DAO Governance Tokens overstated and over-valuated? An Evidence-Based approach
- ➡ A Qualitative non-empirical investigation evaluating the reporting practices of native governance tokens in Decentralised Autonomous Organisations

✍ Research from **Hamman Schoonwinkel** of **Stellenbosch University** and **Technical University of Munich**.

Published Open Access in The JBBA

CASE STUDY

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ISSN Print: 2516-3949

[https://doi.org/10.31585/jbba-6-2-\(1\)2023](https://doi.org/10.31585/jbba-6-2-(1)2023)

The Tokenomics Audit Checklist: Presentation and Examples from the Audit of a DeFi project, Terra/Luna and Ethereum 2.0

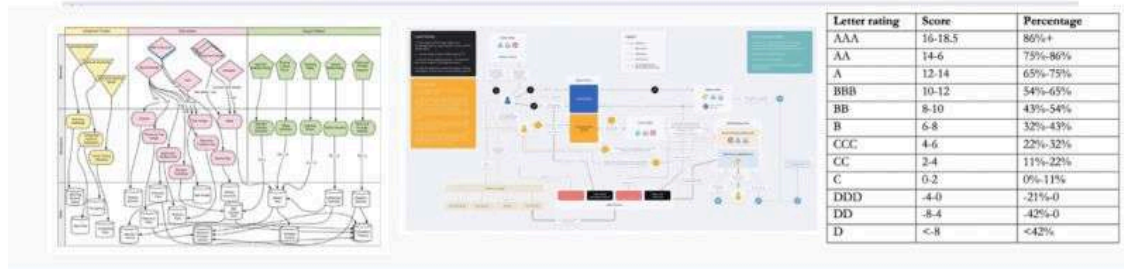
Stylianios Kampakis, Linas Stankevicius

University College London, Centre for Blockchain Technologies, London, UK

Tesseract Academy, London, UK

Correspondence: stelios@thedata scientist.com

Received: 03 Jan 2023 Accepted: 28 April 2023 Published 30 May 2023



Can we devise internationally agreed standards for DeFi Audits?

Could Terra/Luna collapse have been prevented?

Can Tokenomic Audits assess risks and improve the structure of DeFi projects?

From **Dr Stylianios Kampakis** of **UCL UCL Centre for Blockchain Technologies (CBT)** et al.

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How does a Country become a WORLD LEADER in the field of Metaverse?

BBA 🇬🇧 puts forward a set of 14 practical RECOMMENDATIONS and action steps - some of which can be put into motion immediately

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Work for Decentralised Autonomous Organisation: What Empirical Labour Economics Can Tell Us about the Decentralised Digital Workforce

Nataliya Ilyushina
Blockchain Innovation Hub, RMIT University
ARC Centre of Excellence for Automated Decision-Making and Society, Australia

Correspondence:
Received: 17 Feb 2023 **Accepted:** 15 Apr 2023 **Published:** 17 June 2023

Abstract

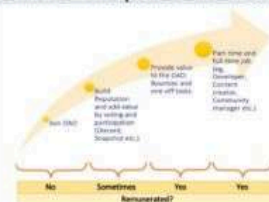
A decentralised autonomous organisation (DAO) is a new type of digitally native organisation with a membership base that has been

2. Literature Review

While the literature on DAOs is growing, some have already pointed out "the lack of empirical and field research on DAO communities" and pointed at DAO work as a gap in the existing research [15, 16]. The number of contributors in DAOs that add value and receive remuneration has been proliferating as DAOs numbers soared to 6.4 million in 2023 [2], surpassing the size of a labour force of a small European country. While we know the number of DAOs and the number of members, we have limited knowledge of how

3. Implications of Work for DAO Lifecycle for the Definition and Sampling of the "DAO Worker"

In the context of employment in DAOs, it is difficult to establish a clear equivalence with traditional firms, which presents a challenge for data collection methodologies. The conventional definition of employment involves being in a paid job for at least an hour within the last week [31]. Most of the time, workers in a traditional firm start work on the date outlined in a contract or when a person starts performing duties and earning wages. However, this definition only



Policy Considerations and Critical Review of DAO Parameters

- ➡ An Evidence-Based Approach to Evaluation of DAO Labour Workforce
- ➡ Hiring, demand and supply in DAOs: How do we manage the "Human Capital"?
- ➡ What motivates Web3 data collection of DAO stakeholders?

👉 Ground-Breaking Research from **Dr Nataliya Ilyushina** of **RMIT University**, Australia

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ISSN Online: 2516-3957

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Compensation in DAOs: A Proposal

Sinclair Davidson FBBA
Blockchain Innovation Hub, RMIT University, Australia

Correspondence: sinclair.davidson@rmit.edu.au

Received: 22 June 2023 **Accepted:** 17 July 2023 **Published:** 26 August 2023

Abstract

Compensation within DAOs presents unique challenges, particularly regarding aligning contributors' interests and motivation with

Compensation in DAOs: A Proposal

- ➡ How do we devise Evidence-Based standards for DAOs' Compensation?
- ➡ What are "Value-based" Vesting Schedules in DAOs?
- ➡ Challenges, motivations, and incentives for compensation of DAO contributors

👉 Research from Professor Sinclair Davidson FBBA of RMIT University, Australia

Review Editor:

Dr Rafał Prabucki, PhD of University of Silesia in Katowice, Poland

🎓 This paper has been featured in the 12th issue of The JBBA (Oct 2023).

PEER-REVIEWED RESEARCH

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Rewarding Honesty: An Incentive Mechanism to Promote Trust in Blockchain-Based E-commerce

David Lee Kuo Chuen FBBA, Yang Li, Weibiao Xu
School of Business, Singapore University of Social Sciences, Singapore

Correspondence: yang.li.suss@gmail.com

Received: 11 May 2023 Accepted: 09 August 2023 Published: 06 September 2023

Abstract

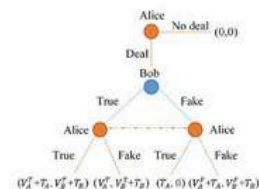
Building trust is a difficult task among strangers over a network. This is because fraud happens when the temptation to cheat becomes

Abstract

Building trust is a difficult task among strangers over a network. This is because fraud happens when the temptation to cheat becomes greater than the rewards of staying honest. The enormous growth of e-commerce has resulted in cheating and fraud becoming increasingly important issues. Advocates for blockchains argue that this new technology can effectively eliminate misconduct and promote trust among participants. However, recent field experimental studies show that fraud still exists in the blockchain-based marketplace. This article suggests a new design for the arbitration process. A trusted third party is given the right to resolve disputes and reward blockchain cryptographic tokens to honest users. We show that the optimal strategies of individual users involve delivering quality items as described and leaving honest reviews about purchased items.

Keywords: Arbitration, Bayesian Nash Equilibrium, Fraud, Utility Tokens

JEL Classifications: G32, E51, F30



REWARDING HONESTY in E-COMMERCE

➡ How do we INCENTIVISE good actors in Blockchain-based Marketplaces?

➡ Why do Bad actors cheat in Web3?

➡ "In Blockchain we Trust", but how do we reduce Fraud among blockchain network users?

👤 Research from Professor David LEE, Dr Yang Li et al of Singapore University of Social Sciences (SUSS), Singapore.

🔍 Senior JBBA Editor:
Professor Dr Sebastian Cochinescu of University of Bucharest, Romania.

🎓 This paper has been featured in the 12th issue of The JBBA (Oct 2023).

Web 2 vs. Web 3 Paths to the Metaverse: Who Is Leading? Who Should Lead?

Le Kuai, Mary Lacity, Jeffrey K. Mullins
University of Arkansas, USA

Correspondence: mlacity@uark.edu

Received: 23 August 2023 Accepted: 31 August 2023 Published: 07 September 2023

Abstract

Our research investigates two questions: Who is leading the metaverse? Who should lead? The questions are important because

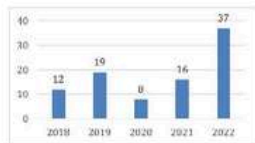


Figure 3. Number of US patents granted that mention "metaverse".

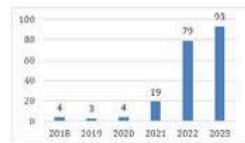


Figure 4. Number of US companies reporting metaverse/virtual world activities in 10-K reports.

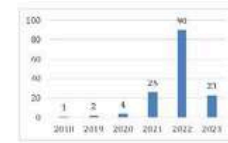


Figure 5. Number of US companies with corporate press releases on metaverse/virtual world (2023 data only up to May).

METAVVERSE: Web2 V Web3 Paths:

Who is Leading?

Who Should Lead?

➡ Number of Metaverse Patents filed 🇮🇹

➡ US companies reporting "Metaverse" in 10-K reports from 2018 - 2023 📈

➡ Corporate Press Releases on Metaverse from 2018 - 2023 📰

✍ Research from Professor Mary Lacity FBBA, Professor Jeff Mullins and Le (Carol) Kuai of University of Arkansas, USA.

🔍 Associate Editor in Chief:

Dr Mureed Hussain FBBA

Published Open Access in The JBBA

Designing a Blockchain-Based Customer Loyalty Programme using Design Science Research Method

Milad Behrouzi, Amir Albadvi, Parimah Emaadi Safavi
Tarbiat Modares University, Tehran, Iran

Correspondence: albadvi@modares.ac.ir

Received: 15 December 2022 Accepted: 08 July 2023 Published: 30 September 2023

Abstract

Loyalty programmes are crucial marketing tools for businesses to increase customer engagement and retention. These programmes, sponsored by enterprises, offer rewards, discounts, and other incentives to attract and retain customers. However, the lack of

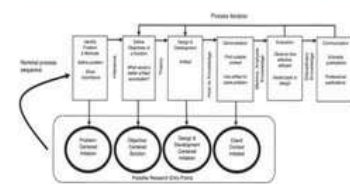


Figure 1. DSR process.



Table 2. User stories for the rewards points system

US ₀₁	As a partner, I assign rewards points to members to encourage their loyalty as clients
US ₀₂	As a member, I pay with the accumulated points to save money and enjoy the programme benefits
US ₀₃	As a member, I see the balance of my points to know how many I have
US ₀₄	As a member, I see a report of transactions
US ₀₅	As a member, I approve the points charges, to be sure that other people do not spend them
US ₀₆	As an administrator, I manage partners' data (registrations, cancellations, and changes) in the system and I see all the members

Customer Loyalty Programmes on Blockchain, Using Design Science Research Method

From Amir Albadvi et al, published open access in the JBBA.

Thank you to Senior Editor, Professor Dr Markus Bick, Chair of Business Information Systems at ESCP Business School, Berlin Campus, and Review Editor, Dr Aleksei Gudkov.

Published Open Access in The JBBA

Using Blockchain Technology to Improve the Integrity and Transparency of Procurement Processes between SMMEs and Government: A Systematic Literature Review

Edzai Kademeteme, Stella Bvuma
University of Johannesburg, South Africa

Correspondence: eamkademeteme@gmail.com

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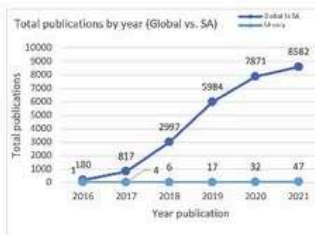
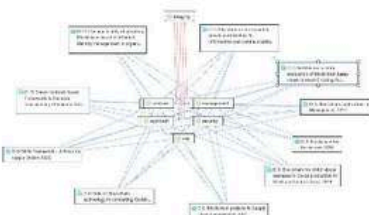
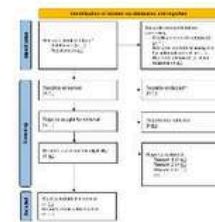


Figure 1. The PROSA framework [25]

Blockchain for Procurement Processes between Government and SMMEs

- ➡ How do we improve the Transparency and Security of Data in Procurement Processes' Chain of events?
- ➡ How do we enhance access to critical data in Procurement?
- ➡ How does Blockchain improve Procurement contracts, transaction processing, quality of products and reduce corruption?

✍ Research from Edzai Kademeteme (Ph.D IS) and Stella Bvuma of University of Johannesburg, South Africa 🇿🇦

- ✅ Published Open Access in The JBBA.
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Professor Dr Sebastian Cochinescu of University of Bucharest, Romania

🎓 This paper will be featured in the 13th print issue of The JBBA (April 2024).

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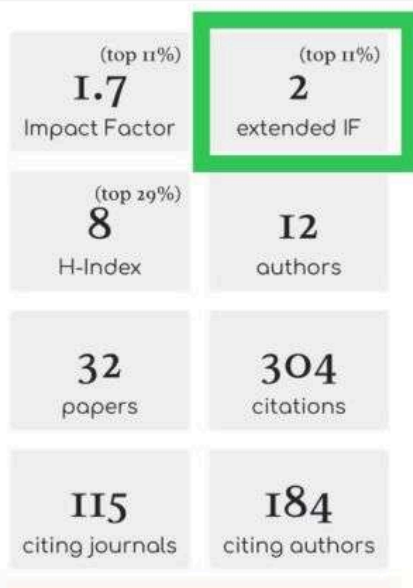
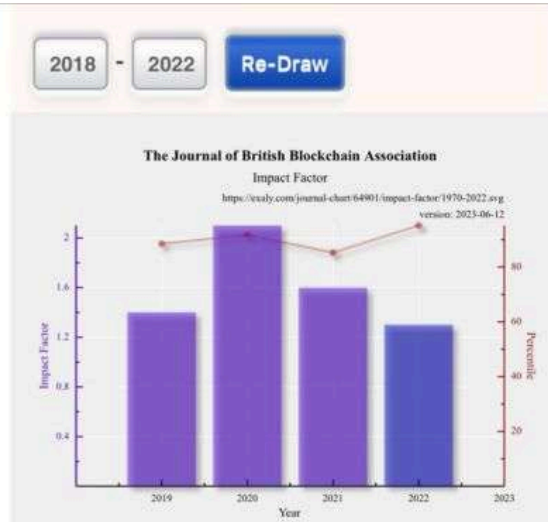
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📌 Top Viewed Article of the Week:

'Non-Fungible Tokens as an Alternative Investment: Evidence from Cryptopunks' from The University of Law.

The Journal of British Blockchain Association



The graph shows the changes in the impact factor of **The Journal of British Blockchain Association** and its the corresponding percentile for the sake of comparison with the entire literature.

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🙌🙏 Congratulations to all authors, editors, reviewers and the Blockchain and Crypto community and Thank You!

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Unlocking Blockchain: Embracing New Technologies to Drive Efficiency and Empower the Citizen

Article **Essential reading**

Title	The Journal of the British Blockchain Association
ISSN	25163949
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Journal Articles

Non-Fungible Tokens as an Alternative Investment: Evidence from CryptoPunks

Luisa Schaar and Stylianos Kampakis, "Non-Fungible Tokens as an Alternative Investment: Evidence from CryptoPunks," The Journal of The British Blockchain Association, 5, no. 2 (2022), <https://jbba.scholasticahq.com/article/31949-non-fungible-tokens-as-an-alternative-investment-evidence-from-cryptopunks>

It took 6 years for Evidence Based Blockchain to go main-stream.

[illegible]

 Following nearly two years of rigorous efforts that engaged prominent

scientific publishing think tanks worldwide, entailing multiple meetings, proposals, and workshops, NISO has officially sanctioned the Peer Review Taxonomy standards.

The British Blockchain Association, led by its president Prof. Dr Naseem Naqvi MBE, was honoured to receive the invitation from the National Information Standards Organization (NISO) to contribute to the establishment of international standards for Peer Review Taxonomy in Scientific Research.

👏 Numerous esteemed organizations and dedicated working groups have made significant contributions towards the development of Peer Review Standards. These include:

Library of Congress

The British Blockchain Association (The BBA)

The MIT Press

Oxford University Press

American Library Association

Cambridge University Press

IEEE

Canadian Research Knowledge Network

Springer Nature Group

Elsevier

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COPE

Taylor & Francis Group

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Journal Article
OPEN ACCESS
PEER REVIEWED

Blockchain-hosted Data Access Agreements for Remote Condition Monitoring in Rail

Rahma A. Alzahrani, Simon J. Herko and John M. Easton [Show details for 3 authors](#)

JOURNAL OF THE BRITISH BLOCKCHAIN ASSOCIATION, Vol.4(2), pp.27-33
01/11/2021
DOI: [https://doi.org/10.31585/jbba-4-2-\(3\)2021](https://doi.org/10.31585/jbba-4-2-(3)2021)

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Abstract

Business & Economics / Economics / Social Sciences

Advances in sensor technologies, remote authentication, and high-bandwidth data networks mean that Remote Condition Monitoring (RCM) systems are now an essential "Internet of Things" (IoT)

Govt. of Saudi Arabia's Ministry of Education's Saudi Digital Library Research Bank has indexed the JBBA.

Earlier this year, Govt of Singapore's National Library listed the JBBA as an "essential point of reference" for Blockchain and Cryptoassets.

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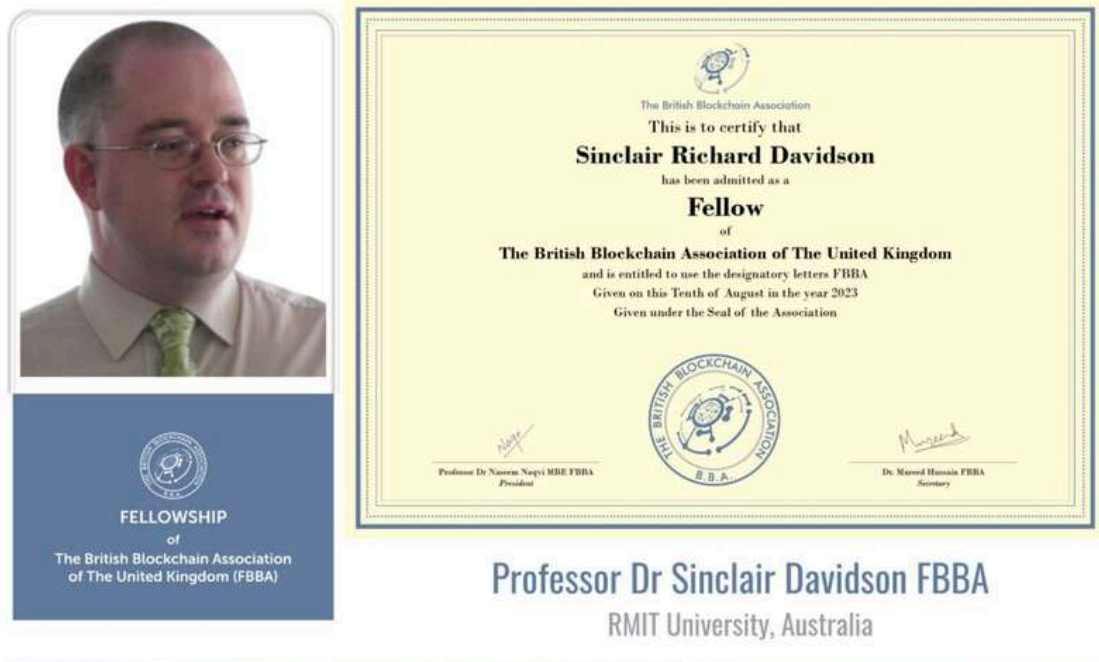
NEW BBA FELLOWS (FBBA)



Professor Dr Kristi Yuthas FBBA
Portland State University, USA

Professor Kristi Yuthas has been elected to the Fellowship of the British Blockchain Association (FBBA).

Prof Yuthas was officially inducted to the BBA Fellowship at the 5th Blockchain International Scientific Conference #ISC2023 in Manchester, UK.



Professor Sinclair Davidson of RMIT University has been elected to the Fellowship of The BBA.

Professor Davidson has been on The JBBA Editorial Board since 2018.

All new Fellows will be inducted at the BBA's Annual Blockchain International Scientific Conference ISC2024, to be held in Singapore on 19 April 2024.



Professor Rob Campbell FBBA (C) inducted to the **BBA Fellowship** at ISC2023

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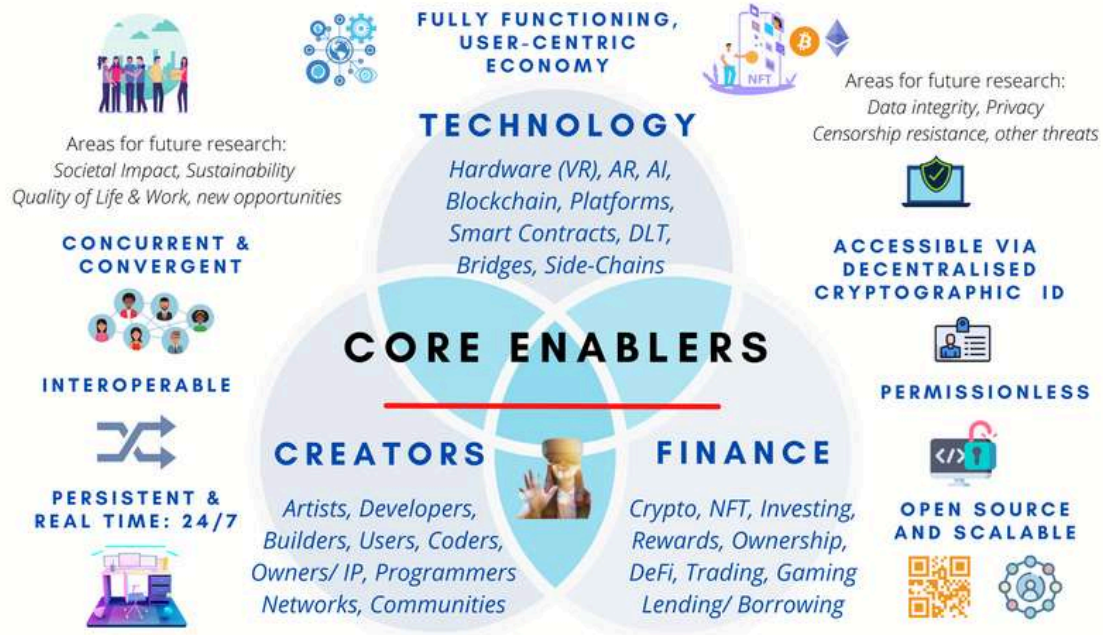
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PhD Researcher, ISM University
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Evidence-Based Blockchain

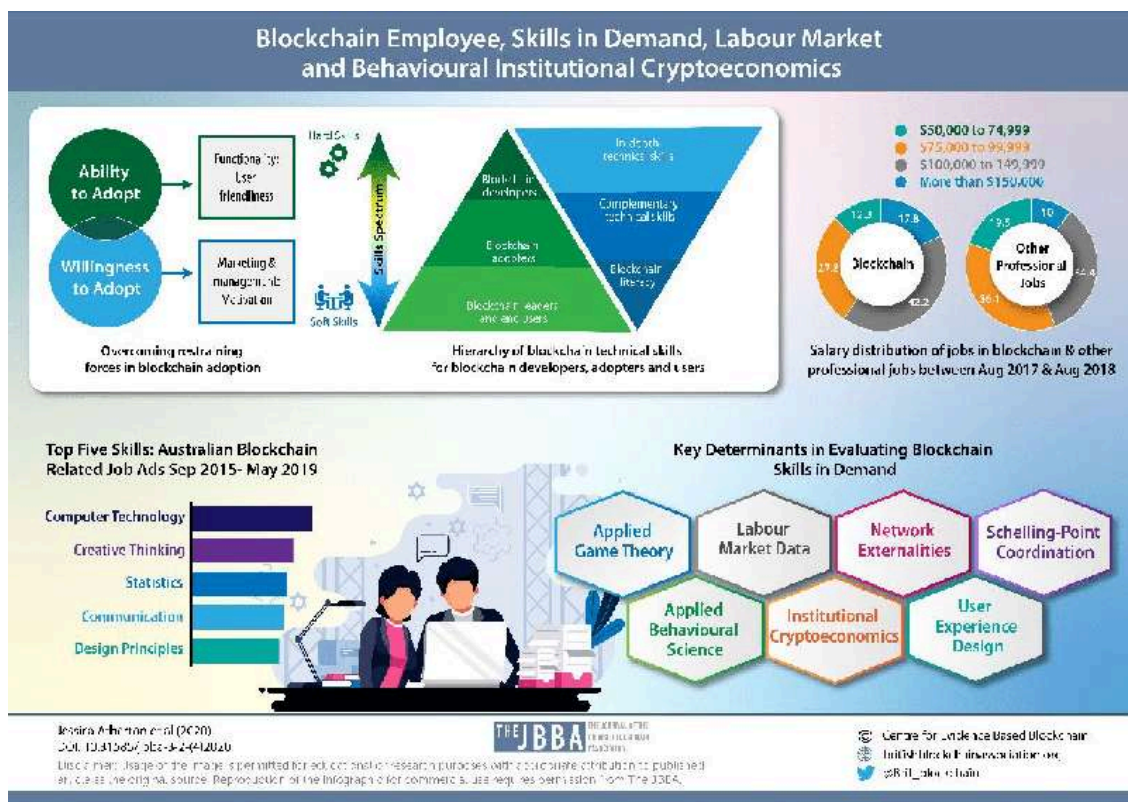
CEBB Published Research Infographics



THE OPEN METAVERSE ECOSYSTEM



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WEB3: Softs Skills or Technical Skills?

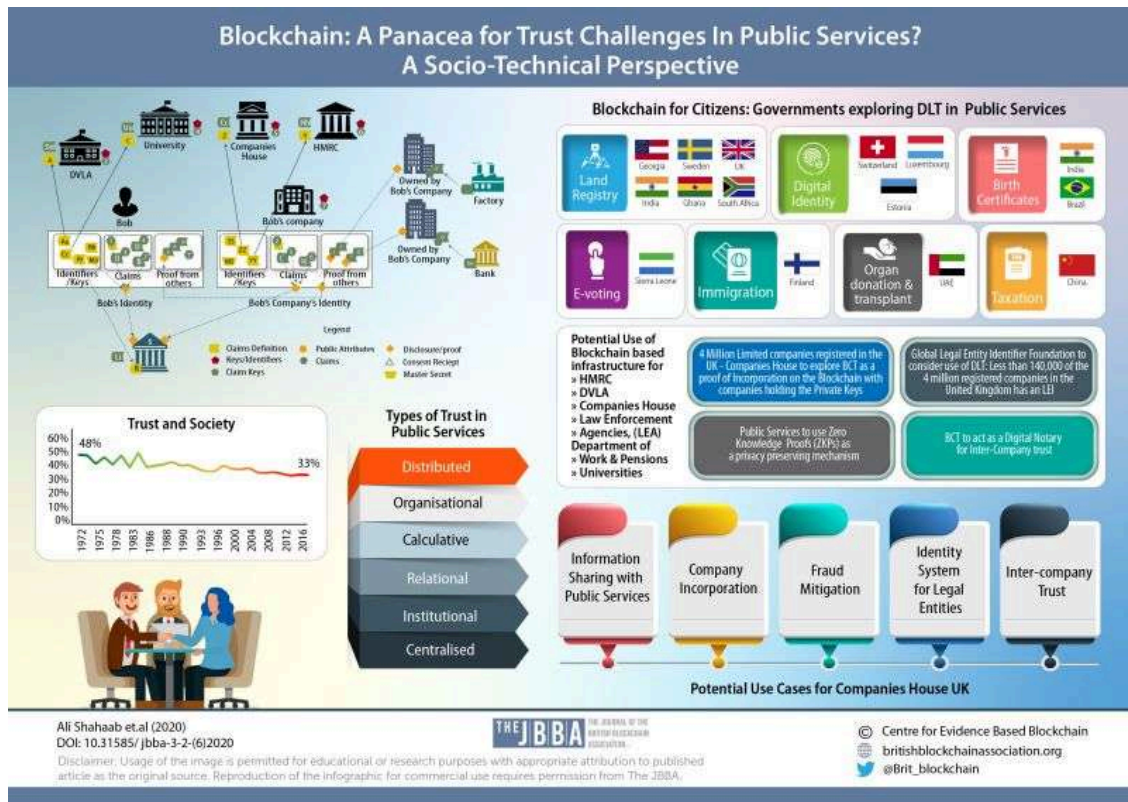
What skills pay you more in the Web3 job market?

How important is creative thinking and making user friendly interfaces?

Research by RMIT University.



Published in The JBBA



Do you know the amount of Trust people have in public institutions has been on a steep decline since the early 70's?

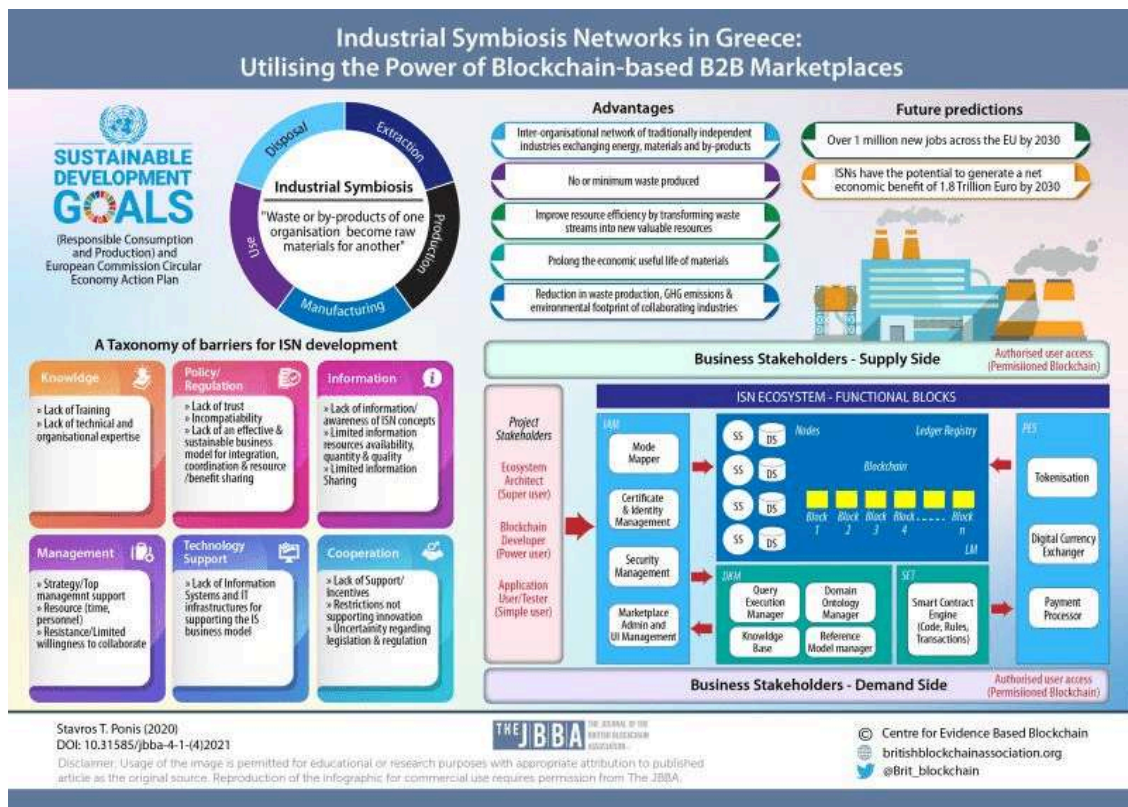
Do you know the 6 different types of Trust in Public Services?

Research from Companies House UK and Cardiff Metropolitan University.

Infographics by Centre for Evidence-Based Blockchain (CEBB).



Published in The JBBA



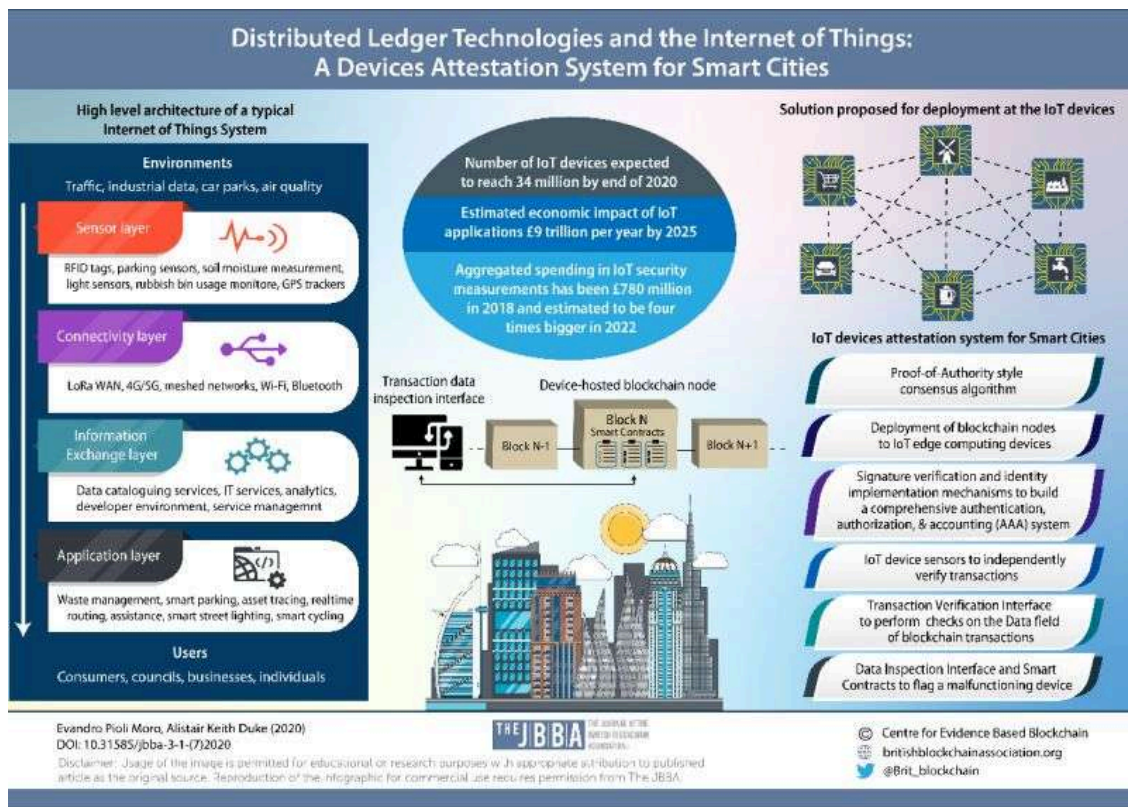
Blockchains for Industrial Symbiosis Networks (ISNs):.

A net economic benefit of €1.8 Trillion by 2030 and 1 million NEW jobs

Infographics by Centre for Evidence-Based Blockchain (CEBB)

Research by **National Technical University of Athens, Greece (Prof Stavros Ponis)**

Published in The JBBA.



Which Blockchain would you use to "attest" your Smart City?

📌 Estimated economic impact of IoT devices is £9 Trillion by 2025.

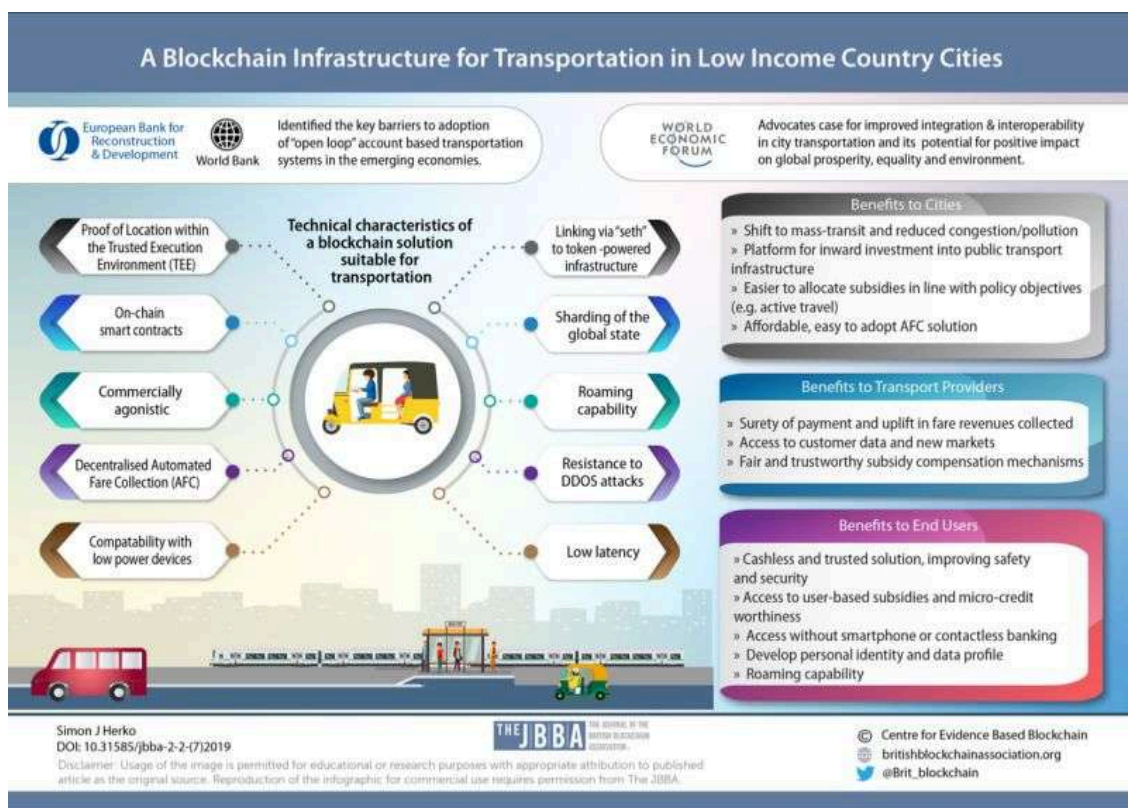
➡ Building a Blockchain-based "Smart City":

What is the most efficient way to manage your IoT devices' data on a Blockchain?

Research by **BT Group**.

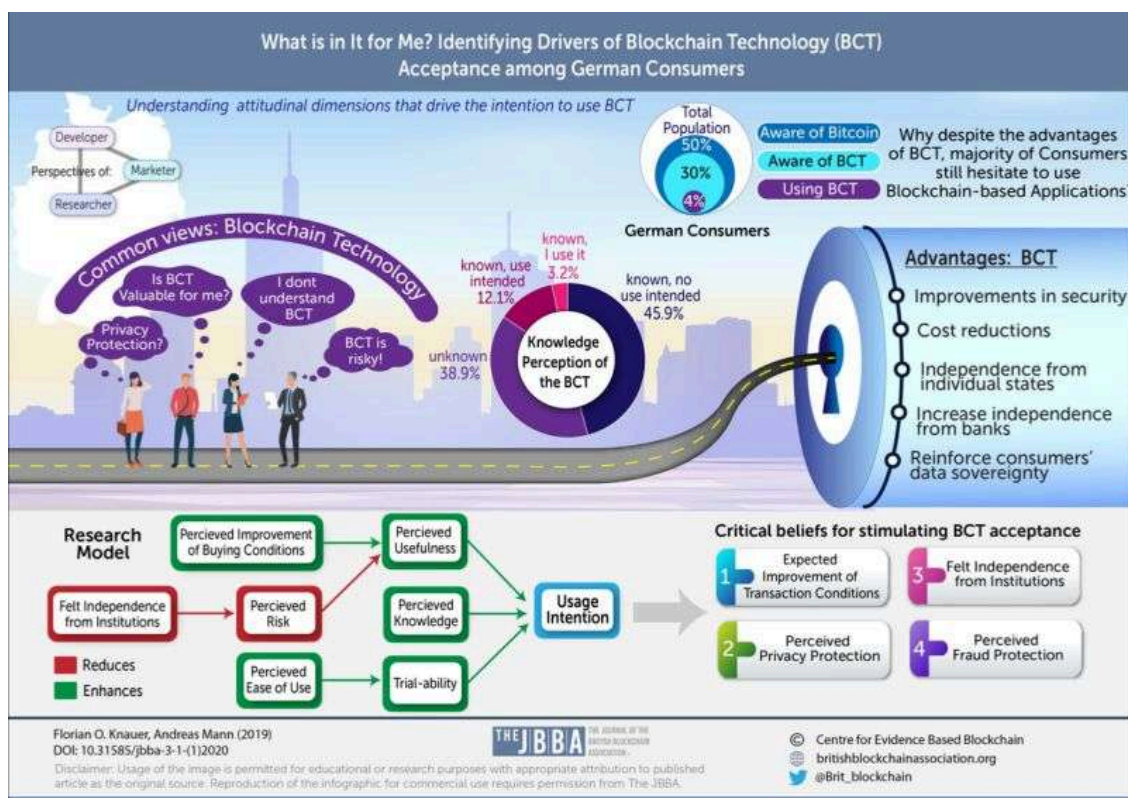
Published in The JBBA.

Infographics by the Centre for Evidence-Based Blockchain (CEBB).



The recommendations put forth in the JBBA four years ago are currently being widely implemented worldwide:

Blockchain for Transportation in Low-Income Cities



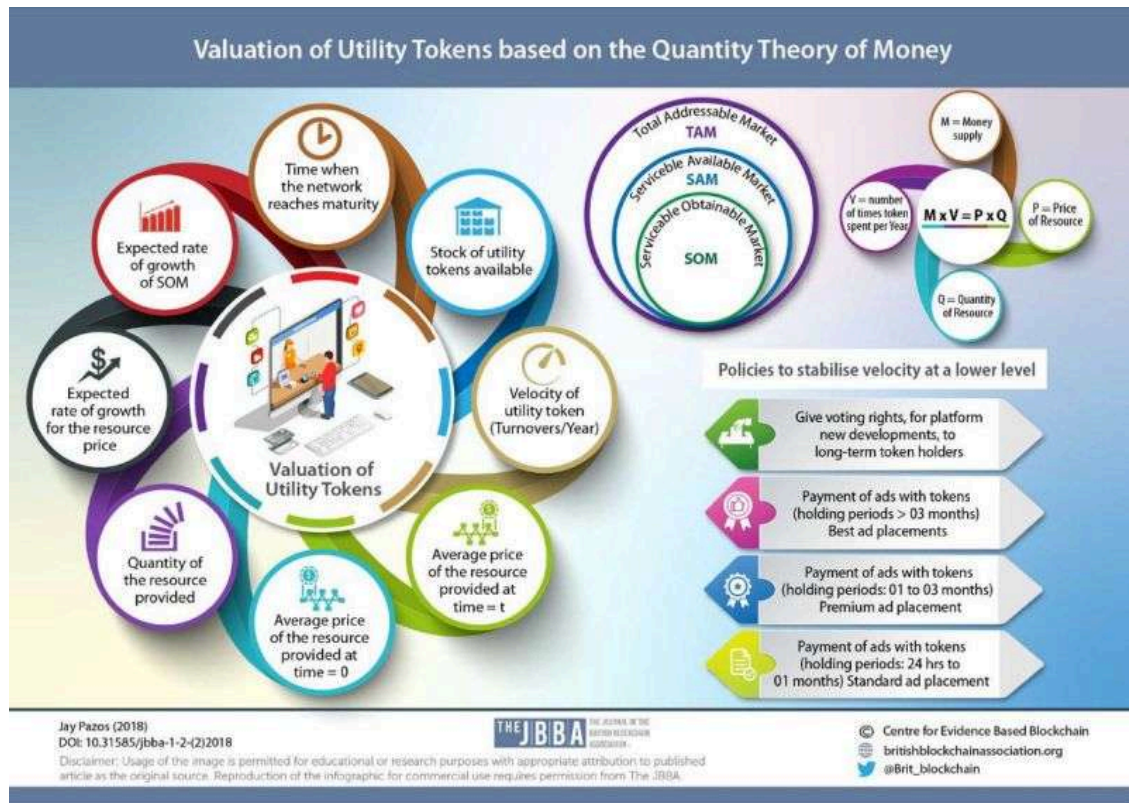
Does the general public really understand what a Blockchain is?

And what incentives are there for an end-user to replace legacy systems with Blockchain?

What are the drivers of Blockchain adoption?

Infographics from BBA's Centre for Evidence-Based Blockchain.

Research from the University of Kassel.

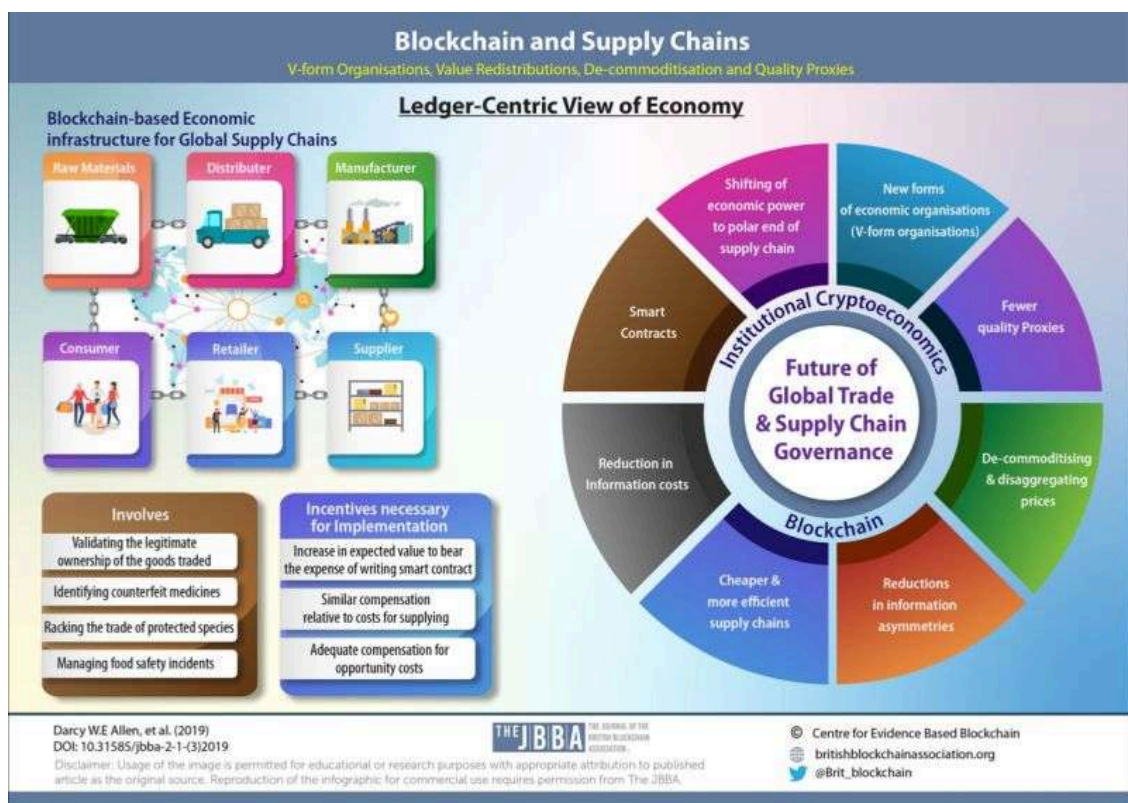


From the University of Chicago:

Quantity Theory of Money and Utility Tokens: (2018)

Infographics from CEBB.

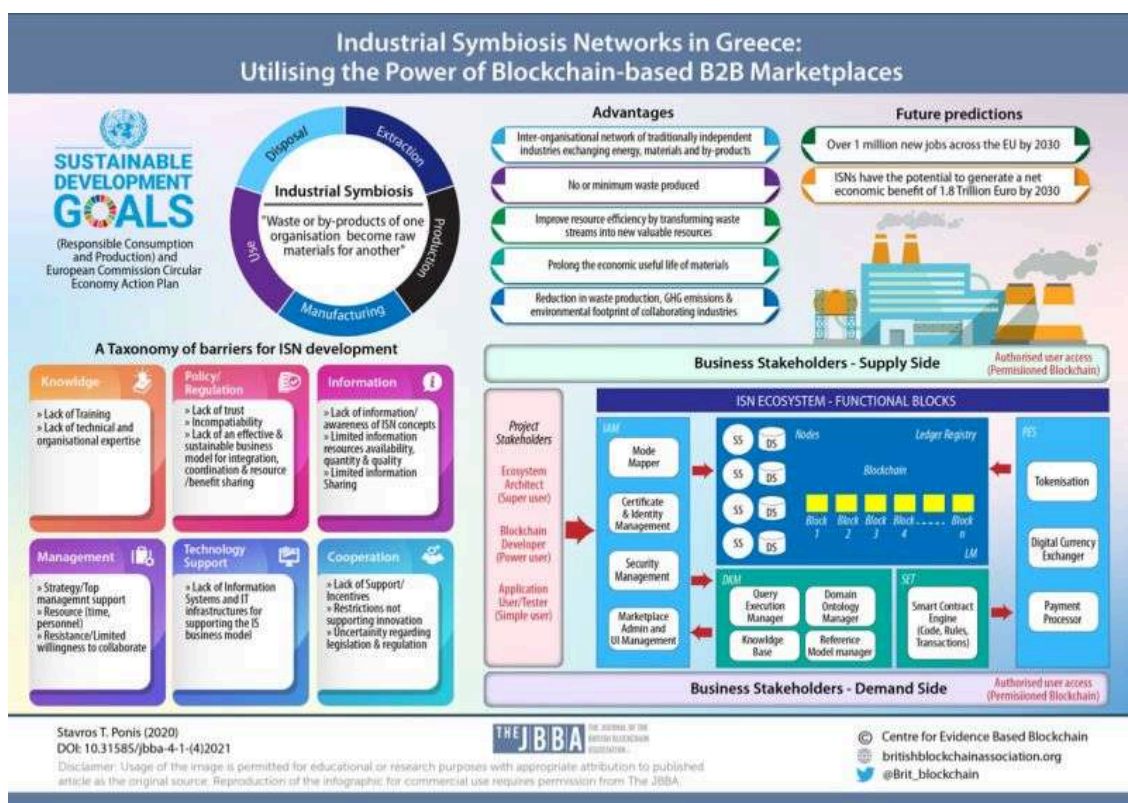
One of the world's first research papers evaluating Utility Tokens based on QTM.



Blockchains shift economic power to the polar end of supply chains.

New "V Form" organisations are the future of Blockchain-based global trade governance.

Blockchain and Supply Chain



1 Million New Jobs and €1.8 Trillion can be generated by deploying ISNs on the Blockchain.

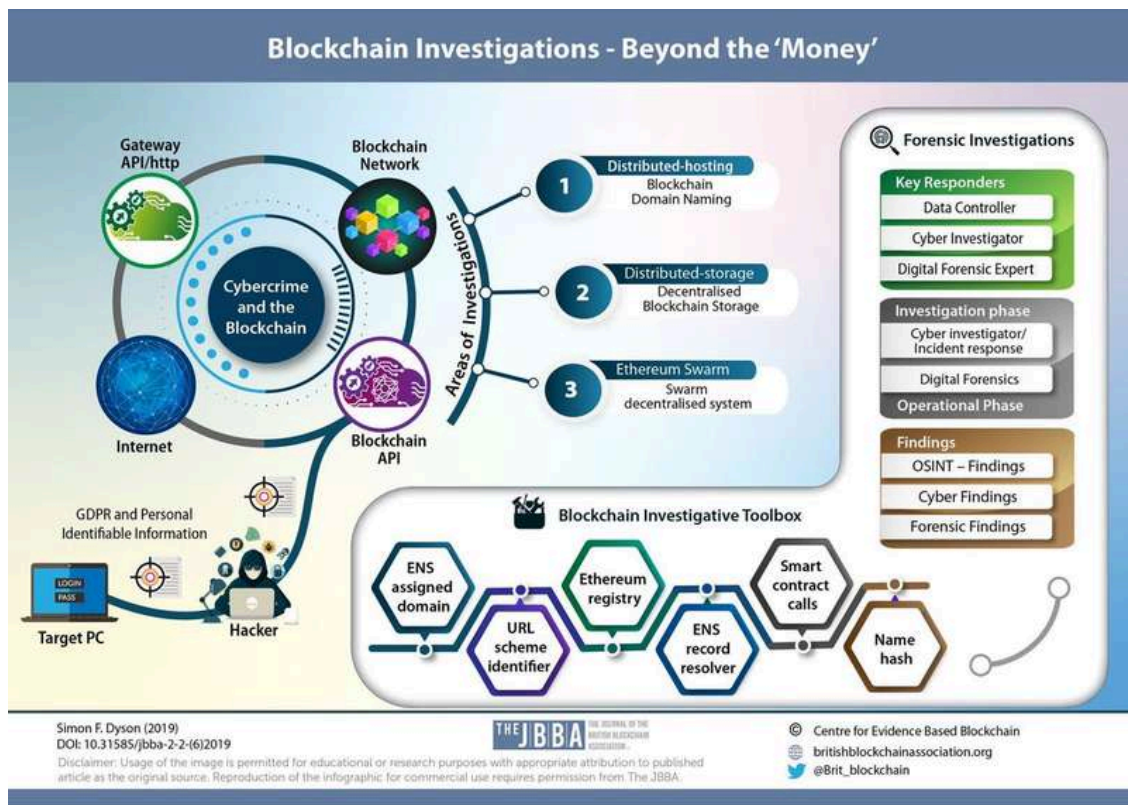
However, there are some barriers to the deployment of Blockchain for Industrial Symbiosis Networks (ISNs).

Important considerations:

- ➡ Taxonomy for DLT-based ISN development
- ➡ Lack of Training and IT infrastructure
- ➡ Lack of information awareness about Blockchains and reluctance from C-Suite Execs
- ➡ Uncertainty regarding legislation
- ➡ Pro Innovation Policymaking
- ✅ Infographics from BBA's Centre for Evidence-Based Blockchain.
- ✍ Published by The JBBA.

📖 Authors: Stavros Ponis of the National Technical University of Athens.

Blockchain and Industrial Symbiosis

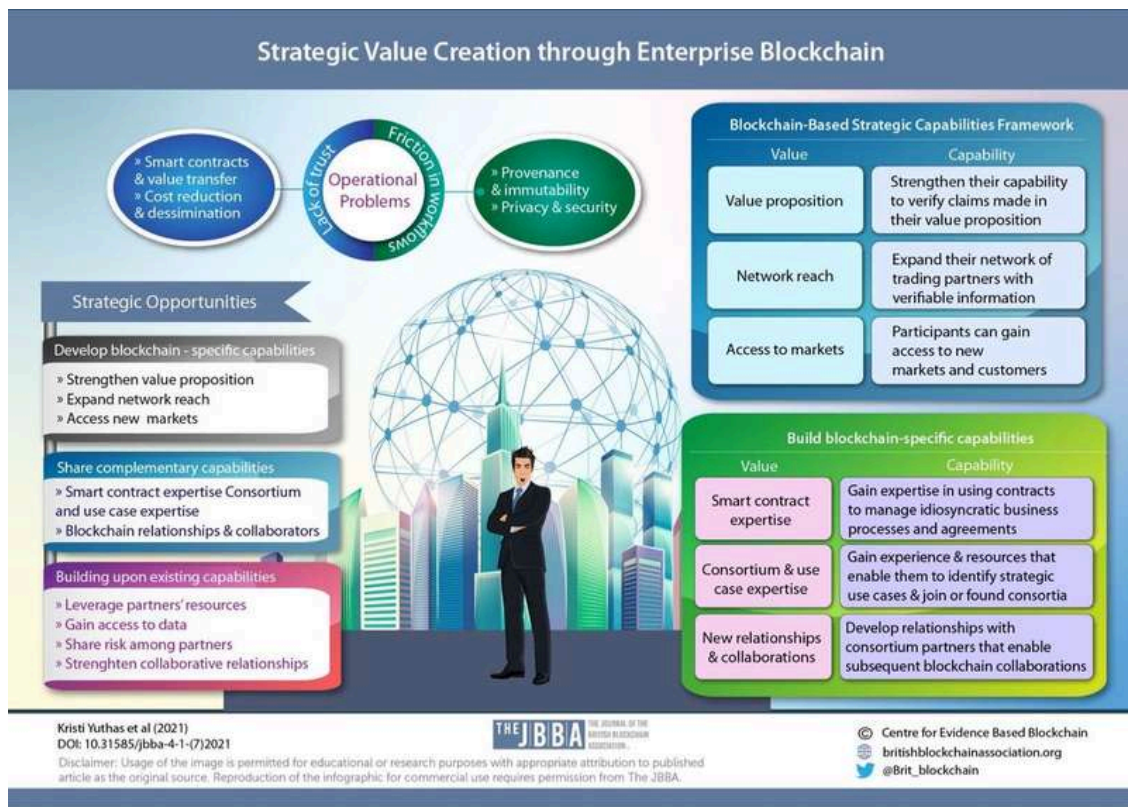


Is your blockchain project secure? What if the on-ramp or off-ramp points get hacked?

What's in your crypto "forensic toolbox"?

Paper from JBBA editor Simon Dyson.

Infographics from BBA's Centre for Evidence-Based Blockchain (CEBB).



Many Web3 projects fail because they fail to provide STRATEGIC Value.

When it comes to building a massively successful and thriving Blockchain industry firm, the success depends on many factors, including:

- ✓ STRATEGIC Value creation
- ✓ Network effect
- ✓ Access to markets
- ✓ Tech expertise
- ✓ Consortium harmony
- ✓ New business relationships

And more.

➡ Infographics by BBA's Centre for Evidence-Based Blockchain (CEBB).

✍ Paper by BBA Fellow Kristi Yuthas FBBA.

📖 Published in The JBBA.

Full Paper:

Authors Rate JBBA as "Outstanding"



*"If you want to be prepared for the digital age, you need to read the **JBBA**. Its articles allowed me to identify problems, find solutions and come up with opportunities regarding Blockchain & Smart Contracts."*

Professor Dr. Erik P.M. Vermeulen PhD
Professor of Business & Financial Law
Tilburg University, The Netherlands
Vice President, Philips Lighting



*"Looks Fabulous. **JBBA** is a very professionally presented journal."*

Peter Robinson
Blockchain Researcher & Applied Cryptographer
PegaSys, ConsenSys



*"I had a professional experience of publishing my work in **The JBBA**. The feedback from reviewers and editors certainly helped to turn my manuscript into a better publication. **JBBA's** cross-disciplinary publishing platform is crucial to enable the blockchain sector to flourish. The journal strongly advocates evidence-based outcomes, essential to differentiate sound research papers from those that are not."*

Dr Joshua Ellul PhD
Director, Centre for Distributed Ledger Technologies
Senior Lecturer, Department of Computer Science
University of Malta
Chair, Malta Digital Innovation Authority



*"I had the honour of publishing my work in **The JBBA**. The journal offers a professional and efficient peer-review process. Combined with the stimulating conference (**ISC2021**), the overall experience was very enriching."*

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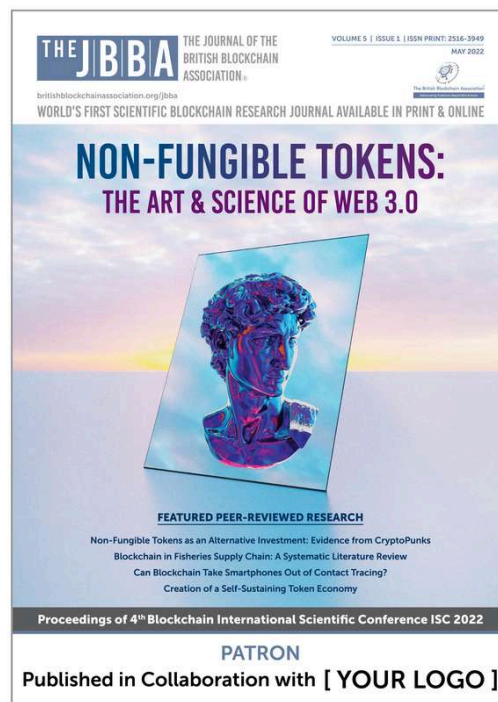
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Advocating Evidence Based Blockchain



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Industry Growth, Skills, Talent, Jobs and **Workforce Planning** in Web3
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Blockchain for **e-Government**, Citizens & **UK Public Services**
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