Beat: Technology

SUSTAINABLE BLOCKCHAIN SUMMIT EU

TO BUILD GREENER BLOCKCHAIN SOLUTIONS

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USPA NEWS - Two Days of Talks, Workshops and Discussions on how we can Work Together to Develop and Build Greener Blockchain Solutions.

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Blockchain has the Power to change Our World for the Better in so many Ways. It can provide Unbanked People with Digital Wallets, Prevent Fraud, and Replace Outdated Systems with more Efficient Ones. But we still need this New and Improved World to be one that we want to live in.

The Fight to curtail the Effects of Cryptocurrencies on the Environment is Nothing New and Yearly there are New Regulations in favor of Green Energy. But is it possible to use Green Energy also in Crypto? Can Mining truly be made Green? Is there a Way to make Cryptocurrency Mining Clean and Sustainable?

More than 15,000 Cryptocurrencies exist Worldwide and a Large Number use the Proof-Of-Work Consensus Mechanism. This refers to a Form of Cryptographic Proof in which a Certain Amount of Computational Power is proven to have been expended. As a Consensus Mechanism, it is used for Validating Transactions, Preventing Fraud, and Mining New Bitcoins. It is used by Cryptocurrencies like Bitcoin, Ethereum, Litecoin, and Dash among others.

Digital Transformation is one of the Keys to accelerating Action at the Speed and Scale necessary for Clean Energy Deployment and Climate Change Mitigation. Amongst Digital Technologies, Blockchain opens New Solutions towards Energy and Climate Targets of the Sustainable Development Goals (SDGs) and the Paris Agreement. Well-Integrated Digital Solutions can generate a Significant Impact on Sustainable Energy Access and Mitigation of the Ongoing Climate Crisis that was far from being conceived in the Past Decades.

In 2015, the United Nations (UN) Member States identified 17 Sustainable Development Goals (SDGs) to be fulfilled by 2030. SDGs are an Urgent Global Call for Action to provide a Blueprint for Shared Prosperity in a Sustainable World. At a European Level, in December 2019, the European Green Deal was presented, a Roadmap to implement the UN 2030 Agenda with a Commitment to a Growth Strategy that will turn Environmental Challenges into Opportunities across all Policy Areas. To achieve these SDGs, Blockchain is one of the Key enabling Technologies that can help to create Sustainable and Secure Solutions, since it is able to deliver Accountability, Transparency, Traceability, and Cyber-Resilience, as well as to provide a Higher Operational Efficiency in Global Partnerships.

There are a Number of Promising Initiatives underway to improve the Energy Profile of Bitcoin and other Cryptocurrencies and accelerate the Shift to a Sustainable Blockchain Sector. These include more use of Renewable Energy, but also a Range of Other Initiatives to embrace more Energy-Efficient Protocols, Carbon Offsets, Demand Response and Greener Mining Pools.

Ethereum is the Second-Largest Cryptocurrency by Market Capitalization, and the Primary Platform for DeFi (Decentralized Finance) and NFTs (Non-Fungible Tokens), Two Potentially Transformative Technologies that are seeing Huge Investment Interest. Ethereum is currently supported by a “Proof-Of-Work” Mining System similar to Bitcoin, but has begun a Transition to Proof-Of-Stake, an Approach that will dramatically reduce the Energy Impact of Ethereum.

The Socio-Technical Shift known as Web3 shows some Promise of Building Anew, rather than trying to Retrofit Existing Capitalist Institutions. In the midst of Crises and Collapse, the Technologies that mediate our Everyday Lives are evolving at a Rapid Pace and Web3 offers the Possibilities of a New Societal Infrastructure that can Disrupt the Community, Business, Government, Media, Culture and Philanthropy Sectors: a New “Operating System” for Society that enables Individuals to Freely Organize at Scale around Issues that are important to us.

Piquing Interest from Investors due to its Ability to provide Zero-Carbon Electricity, ease Grid Congestion and boost Reliability, Next-Generation Clean Energy Technologies are on the Rise. They have the Potential to integrate Renewables like Wind and Solar into the Electric Grid and fulfil Climate Goals of 100% Clean Energy Generation, boosting their Appeal. Such Emerging Technologies include Green Hydrogen, Advanced Batteries and Other Forms of Long-Duration Storage.

During this Event, following Themes were tackled:

- DAY 1

* Decarbonizing Supply Chains: Web3's Role in Modern Carbon Accounting?
* UN Climate Change Global Innovation Hub
* Unlocking the Next Wave of Institutional Bitcoin Adoption by Creating "Proof of Sustainable Mining"
* Can Crypto Bridge the ESG Gap?
* Decarbonizing Crypto: Towards Practical Solutions
* The Blockchain Inflection Point: Carbon Emissions and Consensus Mechanisms
* Public Goods
* The Planet is a Public Good

* Putting Carbon On-Chain
* Tokenized Carbon Roundtable: Open to all
* The Æternals: A New Generation of NFTs for Good
* Powering Climate Action with NFTs: DigitalArt4Climate Case Study
* Senken - A Regenerative Finance Platform
* MRV: How to Unlock ReFi for People and Planet
* Different Forms of Natural Capital Beyond Carbon to Enable Nature Backed Currencies
* We Can’t Build the Digital Commons Alone

- DAY 2

* Building Fully Auditable & Efficient Sustainability Markets on Hedera
* How to Match Degens & Regens
* FlowCarbon
* Why The World Needs Decentralized MRV
* WeatherXM - The value of weather observations
* Building a Sustainable Web3
* Gainforest - Radical Transparency
* Blockchain will Catalyze Clean Grid Tech for Future Generations. True or False?

* Embedding Renewable Energy everywhere
* Promoting Rigor in Blockchain's Energy and Environmental Footprint Research
* How To Be a Good Grid Citizen
* Offsetting the Operational Carbon Emissions of Blockchains: a case study of the Polygon PoS Network
* Decentralized Social Impact
* Sustainability Drivers: How Do Capitalist Incentives and Democratized Web3 Co-exist?
* A Thriving On-Chain Carbon Credit Ecosystem
* Leaving the Casino Laboratory Behind: A Framework to Support the Emergence of ReFi
* Beyond Offsets: Making an Impact
* Building Data Infrastructure to Scale Regenerative Finance
* Giveth: Evolving Nonprofits into Regen Economies

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