



# INTRODUCING CRYPTO COMMONWEALTH

- A digital ecosystem of the COMMunity, by the COMMunity and for the COMMunity





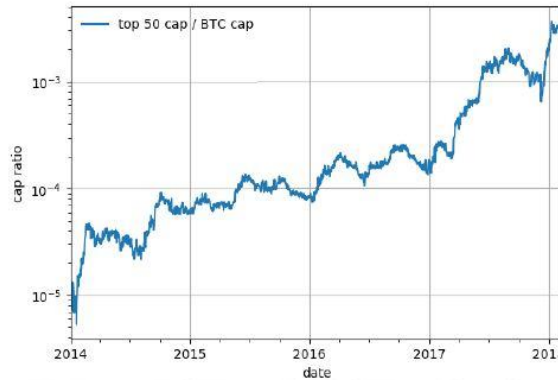
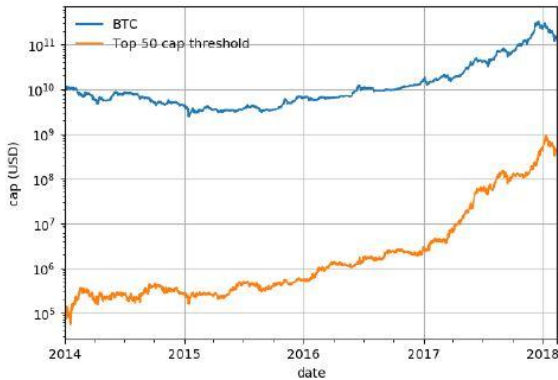
# Published Market Insights

\* Small cap premium prevails

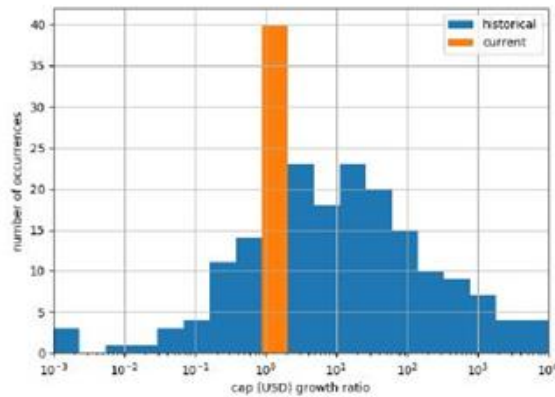
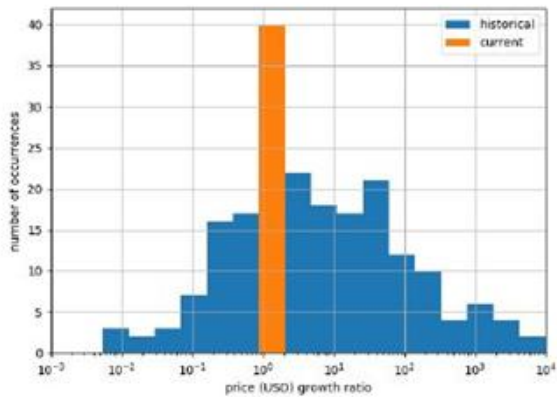
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strategy	IR	return	volatility	max drawdown
BTC	1.47	126%	85.7%	81.3%
ETF20 cap naive	1.55	130%	84%	84.9%
ETF20 cap	1.72	177%	103%	88.1%
ETF20 eqwt	1.84	218%	119%	89.9%
ETF50 eqwt	2.67	309%	116%	81.7%

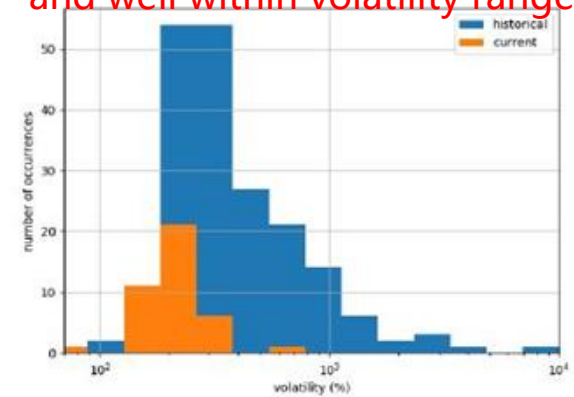
crypto	annual volatility	daily volatility
USDT	11.6%	0.607%
Dai	30.0%	1.57%
Bitcoin	86.1%	4.51%
Ethereum	138%	7.22%
Litecoin	147%	7.69%
Dogecoin	148%	7.75%
Monero	149%	7.80%
Waves	151%	7.90%
Dash	157%	8.22%
ZCash	157%	8.22%
ETC	158%	8.27%
Digixdao	163%	8.53%
Bitshares	165%	8.64%
Ripple	174%	9.11%



Top 50 crypto performance distributions, USD based



Recent drawdown is but a correction and well within volatility range





# The Outline

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- Who is Crypto Commonwealth?
- Why Crypto Commonwealth?
- COMM Tokenomics
- Summary



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# The Founding Members

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- **Wayne Yip, PhD:** Dr. Yee has many years of quantitative alpha research experience in hedge funds. He is familiar with asset management in stocks and cryptos, tokenomics and philosophy, as well as managed and researched market neutral equity portfolios and strategies in renowned quantitative hedge funds with good performance. He also participated in the search of Higgs boson in [Fermilab](#). The work and the ongoing research conducted at CERN's Large Hadron Collider led to the discovery of the Higgs boson, the Nobel prize winner in physics 2013. Dr. Yee earned a bachelor's degree in Physics, University of Science and Technology of China (USTC), and a doctoral degree in Physics, State University of New York at Stony Brook.
- **John Gan, PhD:** Dr. Gan obtained his Ph.D. from [Harvard University](#) with a solid background in applying machine learning algorithms and statistical inference to solve big data challenges. He then joined [Harvard Business School](#) as a researcher, focusing on asset pricing in emerging financial sectors including cryptos. At Harvard, John has designed and implemented a course on financial technologies, linking AI and big data to financial services with real world cases, and has helped over 1,000 students world wide, most of whom are industrial leaders with senior positions including C-level executives.
- **Jackey Yan, PhD:** Dr. Yan is a savvy investor and successful, serial entrepreneur with a strong technical background. He is a senior principal software engineer at [Cadence Design Systems](#), focusing on scalable and efficient algorithm design, data structure, optimization, distributed system, and large-scale software development. Meanwhile, he invested in multiple startup businesses and operates his own with good cash flow. He is a Ph.D. in Computer Engineering.



# The Core Team

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**Wayne Yee, Ph.D.**

Founder, quant portfolio manager, tokenomist and philosopher.



**John Gan, Ph.D.**

Machine learning scientist, course designer & PhD at Harvard University.



**Simon Cocking**

Chief editor. Renowned business mentor, fundraiser and public speaker.



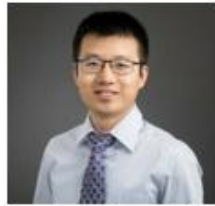
**Zhiyu Zhang, M.S.**

USDC core developer, senior blockchain engineer at Circle, wallet dev expert.



**Jackey Yan, Ph.D.**

Co-Founder, serial entrepreneur and technical, savvy investor.



**Heming Zhen, Ph.D.**

Software engineer at Google Life Sciences. Former assistant professor.



**Winston Dai**

Machine Learning Engineer, Ph.D. Research Assistant at MIT EECS.



**Jane Yang, Ph.D.**

Quant researcher on full modeling cycle, Ph.D. in National Univ. of Singapore.



**Veronica Lee, M.S.**

Visual and interaction designer, UX/UI specialist and web developer.



**Hamza Khan**

Advisor, top blockchain expert, ICO analyst and senior marketing specialist.



**Sean Brizendine**

Senior Blockchain advisor, lecturer and researcher. ICO Bench expert.



**Yu Tian, Ph.D.**

Advisor, UCAS professor and doctoral supervisor. Visiting scholar at MIT.



**Krystelle Galano**

Marketing advisor, social media strategist, crypto and blockchain evangelist.



**George Lai, Ph.D.**

Advisor, derivative pricing expert and senior quant in investment banking.





# Ecosystem Overview

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- Crowd owned and operated publisher.
  - **Nonprofit Singapore foundation** as the token issuer.
  - Starting from the digital domain, we **publish** analysis at both academic and pop science levels in three columns: **Beta for Pros, Beta for Fun and Crypto Insights**.
  - We **compensate COMM, our natural token to all contributions** assisting our publishing operations in tokens, including but not limited to article publishing, review, translation, editing and recommendation.
  - We **share all proceeds** with all published authors after costs.
  - We **house an e-print website and comprehensive academic journal**, and implement tokenomics when the time is right.
- Investing, funding and research platform.
  - COMM is the indisputable **right to invest** with our partnering funds.
  - Hot strategies may apply a **book building** process and charge COMMs instead.
  - We **share a generous cut** with all strategy contributors if live trading continues to access profit. **For independent and strong partner funds**, all **fees pass through**.



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# The Tokenomics as A Revolution of Production Relations

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- Blockchain project valuation is essentially based on **the comparative advantage of the new production relation(s) over the old.**
  - **Decentralized tokenomics** results in entropy reduction and **enhances social mobility.** Philosophical details available upon request.
  - Application of the Blockchain is optional in many crypto projects.
  - However, token distribution is commensurate with contribution results in **more decentralized and fairer compensation, an more efficient entropy reduction process** that enables a fundamental reform of production relations, and as a result motivates more massive and effective collaboration.
  - Distribution of tokens creates fairer and more **vibrant ecosystem for small business growth,** especially those community-oriented.



# Status Quo of the Publishing and Asset Management industries

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- Main: journal publishing is overly centralized.
  - **Renowned traditional journals** like Springer and Elsevier are **privately owned**, pay not remunerations and make big profits from publications at minimal costs.
  - Highly lucrative, 30-billion business, **30%+ profit margin**.
  - Still, **scholars work for them for free**, and pay subscription and publishing fee.
- Secondly, asset management is centralized.
  - Retail investors lack portals to invest in professional funds. The **barrier to invest** with top asset managers **is high**.
  - Many professionals are capable to make a profit standalone, yet **constrained by their fundraising capacity**.
  - Many talented researchers seek an **entry point to make an impact**.
  - We have efficient ways to **leverage wisdom into quant signals**.
- Both have room for improvement in decentralization.



# Why Combine Publishing and Asset Management?

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- Token economics is yet to be known in either academic or pop science domains.
  - **Lack of** good education **resources** and knowledge base.
  - Metcalfe's law: **more users** with consensus bring **higher value** to a telecommunication system.
  - We are the **first publishing house of the kind**.
- Fame and a good history are keys to good fundraising.
  - Detailed knowledge base brings **traffic**.
  - Original, peer-reviewed knowledge distribution brings **respect and trust**.
  - More **transparency and information** are helpful.
  - We are the **first investing, funding and research platform of the kind**.



# Roadmap

- Airdrop and campaigns.
  - Did the first round of airdrop. Have finished registration for the 2<sup>nd</sup> round. Sticker contest, COMMunity survey, slogan design, press article program, guest writer program, mini games, COMM rain drop.
- Partnership searching; **private placement ongoing**.
  - 10% available for the first round. 30% total in the near future, 15% more long-term.
  - **All net profits** after foundation costs and investing fees **dedicated to nonprofit foundation operation and COMMunity sharing**.
- Website development.
  - Internal **backtesting and research system**.
  - **Voting system** for readers to lock COMMs into prospective articles or strategies and invest.
  - Develop **an e-print hosting website and forum** to facilitate Latex editing, compilation and promote scientific social networking. Will further extend it into a journal site.
  - Develop a **marketplace** for our readers and investors to buy quantitative signals or data
  - Develop or collaborate with a **lightweight marketplace for COMM and BTC/fiat conversion**
- Content mining.
  - We purchase, publish articles and introduce good market insights including smart betas, potential alphas, analysis to the community and general public.
  - Support a **comprehensive academic journal** with the same ecosystem.
  - A review committee with multiple experts will be formed for peer review per discipline.



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# Sample Use Cases for COMMs

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- **Subscriptions** to articles and data
- The **payment** system to publish in our journal and/or data marketplace.
  - If applicable, **historical articles or limited contents** in some articles would be readable upon COMM payment.
  - After acquiring some impact factor, the **comprehensive journal** may compensate contributors with COMM, and charge COMM to subscribe or publish.
  - The **data marketplace** would accept COMM as payment.
- The **right to invest** in partnering strategies **at 1 COMM: 1 USD**
  - **Available to lock** in articles and/or strategies before and after production.
  - Represent your **maximum investment amount** on that article or strategy
  - All strategies have **capacity limits**. Early COMM allocation guarantees your right to invest.
  - Hot strategies may apply a **book building** process and charge COMMs instead.



# Benefit Sharing

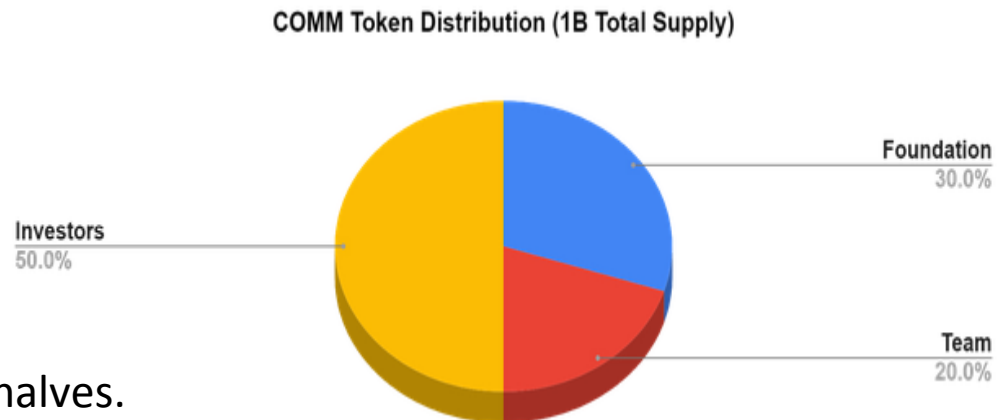
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- Published authors:
  - **Generous profit sharing** (after costs and reserve for nonprofit foundation' s long-term growth).
  - Compensation contingent **on** the cumulative **quality score** from reviewers.
- Data providers:
  - **Subscription fee** passes through after a 5% service charge.
- Referenced authors in live strategies:
  - **Up to 50% cut** from either management or incentive fee (if applicable).
  - Contingent **on** the author's **significance of contribution**.
- Partnering funds:
  - **Access to our resources** - publications, research and talent pool.
  - **Get listed, promoted and funded** from our platform.



# Token Distribution

- Fixed at 1 billion total supply.
- 50%: investor's pool for token sale.
  - Non-profit. All profits used for charity after costs and fees.
  - Roughly half for the fund investor, half for the publisher investor.
- 30%: foundation pool.
  - Airdrop and campaigns.
  - Strategic partner searching.
  - Content mining.
  - Community contribution rewards.
  - Fund & publisher operation.
  - Distribution rate halves as the pool halves.
- 20%: team's reserve.
  - Team contribution rewards.
  - Locked for 5 years in a [CertiK audited smart contract](#) and to release linearly.







# Our Columns

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- Our current publication area offers high-quality and original crypto analysis purchased from the authors upon review.
  - **Beta for Pros:** heavyweight research papers intended for professionals with advanced quantitative backgrounds. The scope of the paper covers smart beta / alpha investigation, factor /risk premium analysis, ETF construction, pair arbitrage, statistical arbitrage, exchange arbitrage, high frequency trading, risk management, automatic investment, market making, and the applications of portfolio management techniques that improve simple trading methods.
  - **Beta for Fun:** quantitative and fun crypto analysis, tokenomics and philosophies. Most topics in "Beta for Pros" are covered too except intended for generic readers.
  - **Crypto Insights:** non-quantitative articles in the blockchain domain including crypto overviews, insights, token mechanism / algorithm, macro visions, blockchain techniques, etc. They serve as educational resource and crypto knowledge base.



# Content Mining

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- Long-term:

Column	Publish	Bonus	Review	Edit	Translation
Beta for Pros	1600	2.5%	400	400	500
Beta for Fun	1000	1.5%	240	240	400
Crypto Insights	600	1%	160	160	300

- The nature of compensation.
  - Aims to purchase the right to publish and advertise articles in our website and social media accounts.
  - We will always include author's name or the original link to the publication on our site.
- Publication **Bonus**.
  - Every publication offers the right to increase your publication bonus by a percentage.
  - New bonus tier effective every time 5% stacked, starting 0, 5%, 10%, ...
  - Permanent for 'Beta for Pros' authors. 1 submission required every two months to maintain the bonus match for other columns, otherwise it will be canceled.
  - Effective for a year and subject to change.
  - Locked for 5 years and release linearly.



# Content Mining, con'd

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- Short-term:

Column	Quality Content Award	Article Support Plan
Beta for Pros	640	520
Beta for Fun	400	320
Crypto Insights	240	200

- Quality Content Award.
  - We award COMMs to selected, unpublished article submissions with high quality.
  - You are welcome to publish your work anywhere, as long as it states 'This article received the Quality Content Award from cryptocommonwealth.io.' at the beginning
- Article Support Plan.
  - We endorse COMMs to unpublished articles with high quality from invited authors.
  - You are welcome to publish your work anywhere, as long as it states 'This article is supported by cryptocommonwealth.io.' at the beginning.



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# Summary

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- Crypto Commonwealth has a **professional, quantitative team** in publishing, tokenomics design, asset pricing of traditional and digital industries.
- We see **abundant opportunities** in the digital industry by conventional research tools.
- We seek to **optimize the economic model** in two highly centralized areas: peer-reviewed publishing and asset management. The decentralization level of profit sharing provides the basis for project valuation.
- We designed **rich tokenomics** for our COMM token. Multiple use cases create fundamental demand for the token circulation and support ecosystem expansion.



# Thank you!

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Our Website:

[cryptocommonwealth.co](https://cryptocommonwealth.co)

[cryptocommonwealth.io](https://cryptocommonwealth.io)

[cryptosmartbeta.com](https://cryptosmartbeta.com)

Private Placement:

[info@cryptocommonwealth.io](mailto:info@cryptocommonwealth.io)

Social Media Channels

