

# CRYPTO-ASSETS WORKING GROUP

## TRENDS & DEVELOPMENTS

13 April 2022



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# AGENDA 13 April 2022

- 17:00 Welcome
- 17:05 Meet the Team + First Poll
- 17:15 Evolution of the Crypto Space
- 17:25 Trends & Highlights
- 17:35 Investor Base
- 17:45 ESG
- 17:55 Second Poll + Q&A



# MEET THE TEAM + FIRST POLL

## MEET THE TEAM



**Michiel van Voorst, CFA**  
Portfolio Manager  
Fintech/Global Financials  
at Robeco



**Laszlo Matyas, CFA**  
Head of Financial Risk  
Management at Aegon  
International



**Alex Zeibel, CFA**  
Vice President, Regulatory  
Managed Services at Compliance  
Solutions Strategies



**Valentijn Wiegel**  
Head of Global Network  
Management Clearing at  
ABN AMRO Clearing Bank



**Zakaria Alami**  
Director of Business  
Development  
at Schroders



**Amir Moradi, PhD MBA**  
Senior Lecturer in Finance  
at HAN International  
School of Business



**Shan Twan The, CAIA**  
Executive Director at  
Morgan Stanley  
Investment Management



**Abhinav Durani**  
Associate Global Markets  
at ABN AMRO Bank N.V.

# MEET THE TEAM

## Working Group Objectives:

- Keep track of recent market and regulatory developments in the crypto space (regular meetings).
- Discuss how global trends and emerging guidance can be applied locally and the use and misuse of crypto currencies as an investment. Liaise with global CFA network and act as a bridge between local and global considerations.
- Attending conferences and courses to learn current and emerging market practices.
- Create an exciting and friendly community for interested members.
- Organize online webinars for the Society with invited experts.

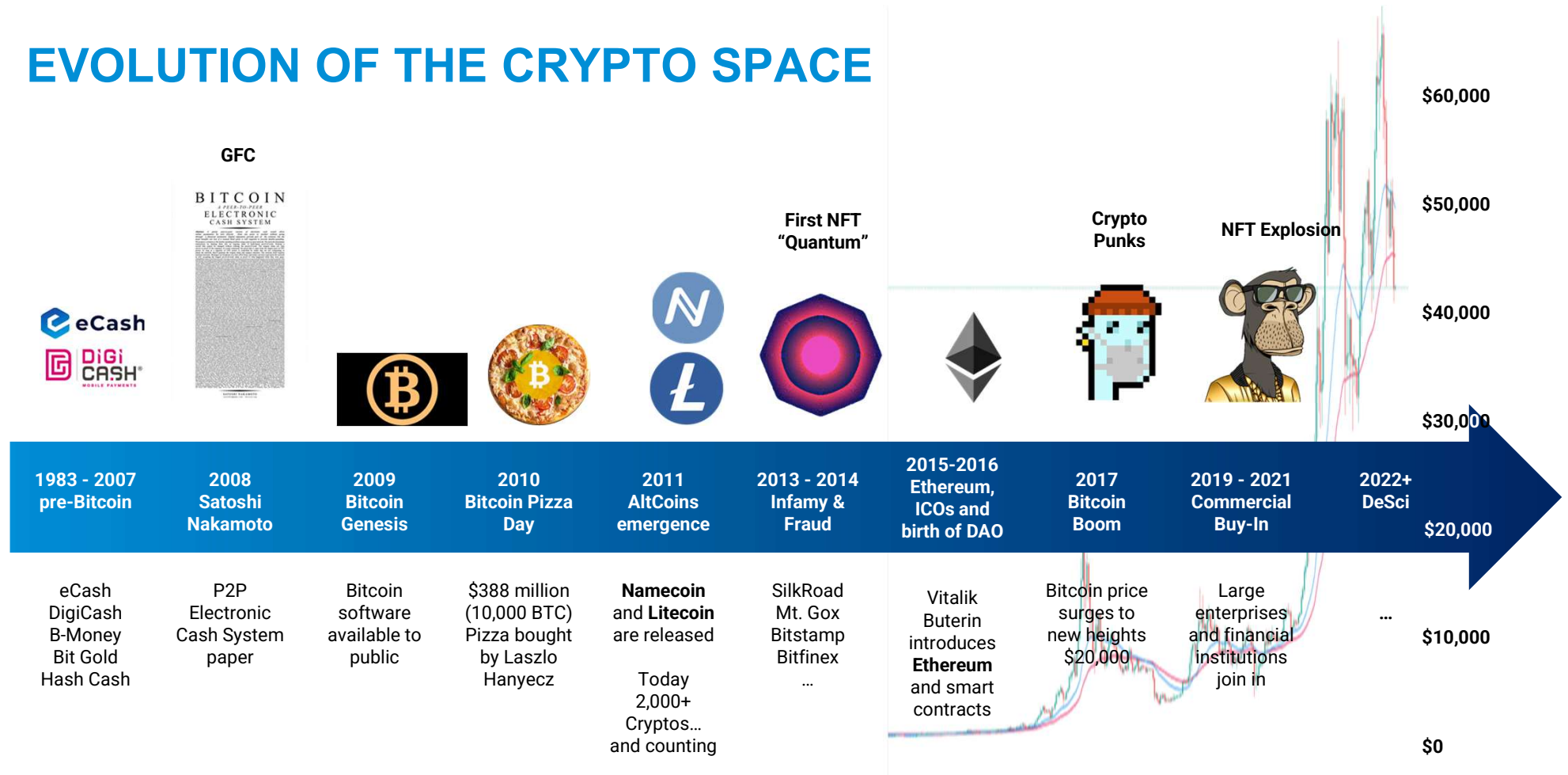
## Objective for Today's Session:

- Evolution of the crypto space
- Market update: trends and developments
- Investor base
- ESG considerations
- Most importantly: connect with Members in a real time poll and Q&A

**NOTE:** Contents provided during this webinar are the WG's viewpoints (not the CFA Society VBA Netherlands).

# EVOLUTION OF THE CRYPTO SPACE

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# TRENDS AND HIGHLIGHTS



# TRENDS & HIGHLIGHTS

Digital assets became more mainstream in 2021

- Scalability (number of transactions, products, Layer 1 vs Layer 2)
- Institutionalisation (Coinbase IPO, calls for regulation, ETFs, legal tender El Salvador)
- Metaverse (NFTs, 'Play to Earn', Facebook2Meta)

Developments to watch in 2022

- CBDC
- Growth in NFTs, lending and derivatives
- DAO will be an important on-chain governance form



# Investor Base

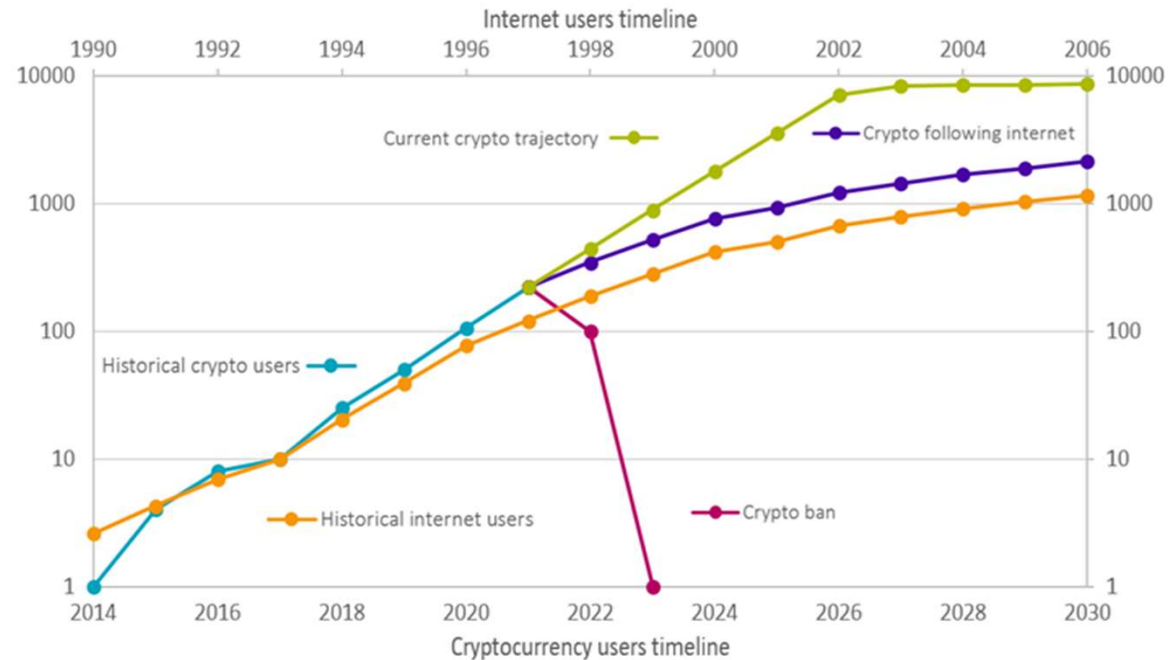
# Digital Assets as an Investment

Crypto adoption curve > internet adoption curve

Retail investors leading but ..

Institutional interest building

1. Direct crypto currency exposure
2. Direct Digital Asset exposure
3. VC investments in projects



Source: World Bank, Crypto.com, Robeco estimates, 2021.

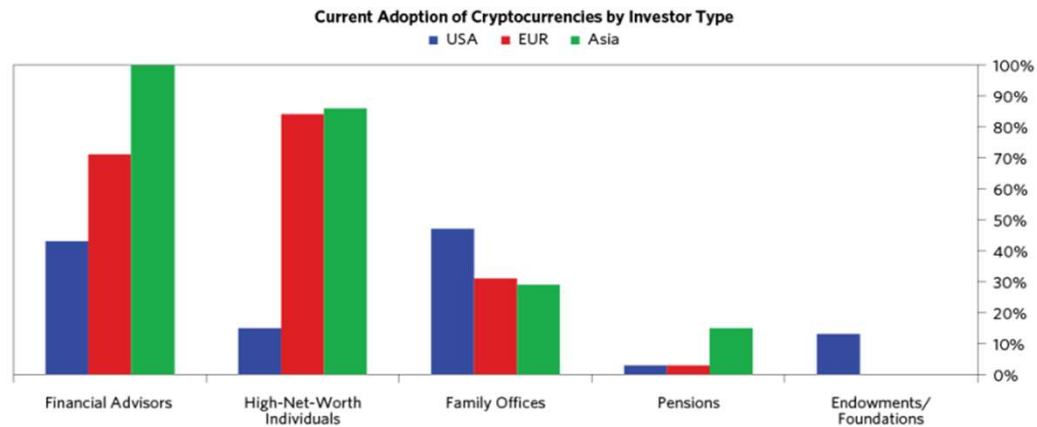
# Digital Assets as an Investment

Bitcoin & Ethereum use cases & usage is increasing

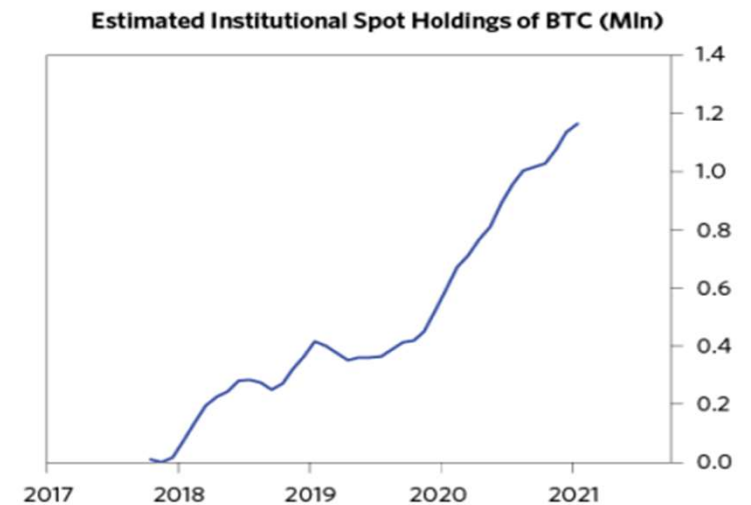
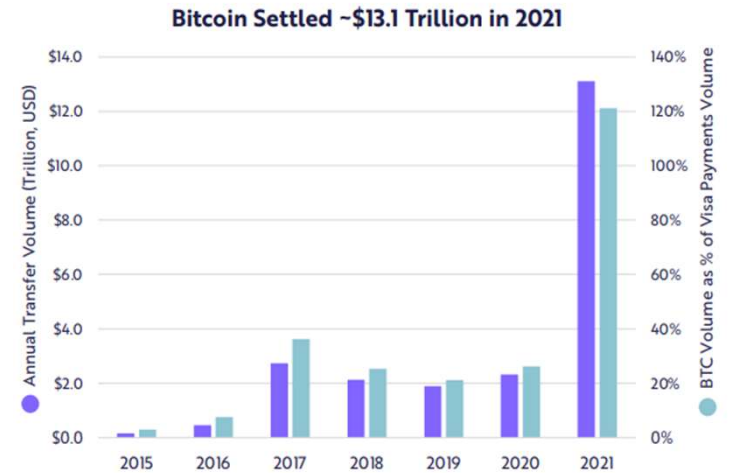
Settlement, Lending, Brokerage, Asset Mgt, Derivs

Regulatory guard rails + Institutional service levels + products =

Direct Crypto & Digital Asset institutional ownership increasing



Source: Fidelity Institutional Digital Assets Survey



# Digital Assets as an Investment

VC funding in DA exploded to USD 25bn in 2021

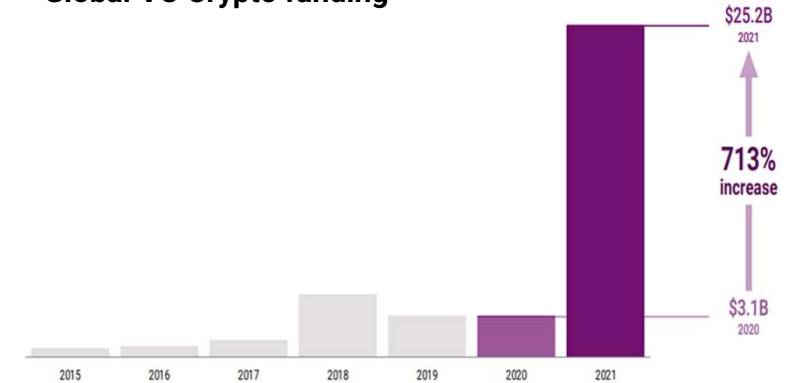
Most funding to Exchanges/Brokerages (25%)

NFTs received \$4.8bn in funding, DeFi \$3.8bn

	Company	Latest Valuation	Country
1	<b>FTX</b>	<b>\$25.0B</b>	Bahamas
2	<b>OpenSea</b>	<b>\$13.3B</b>	United States
3	<b>Bitmain Technologies</b>	<b>\$12.0B</b>	China
4	<b>Ripple</b>	<b>\$10.0B</b>	United States
5	<b>Fireblocks</b>	<b>\$8.0B</b>	United States
6	<b>Dapper Labs</b>	<b>\$7.6B</b>	Canada
7	<b>Gemini</b>	<b>\$7.1B</b>	United States
8	<b>Blockchain.com</b>	<b>\$5.2B</b>	United Kingdom
9	<b>Sorare</b>	<b>\$4.3B</b>	France
10	<b>Chainalysis</b>	<b>\$4.2B</b>	United States

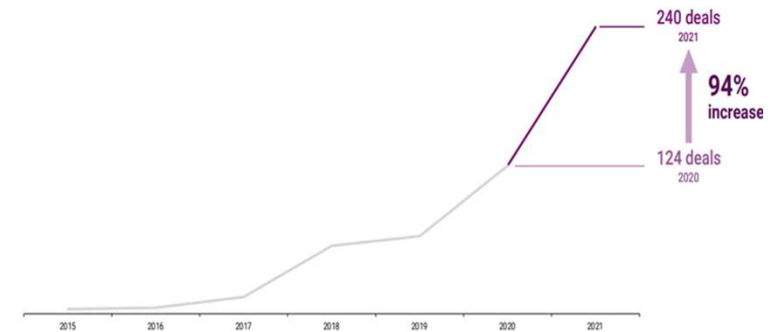
CBINSIGHTS

## Global VC Crypto funding



CBINSIGHTS

## VC DeFi funding



CBINSIGHTS

# ESG

## ESG

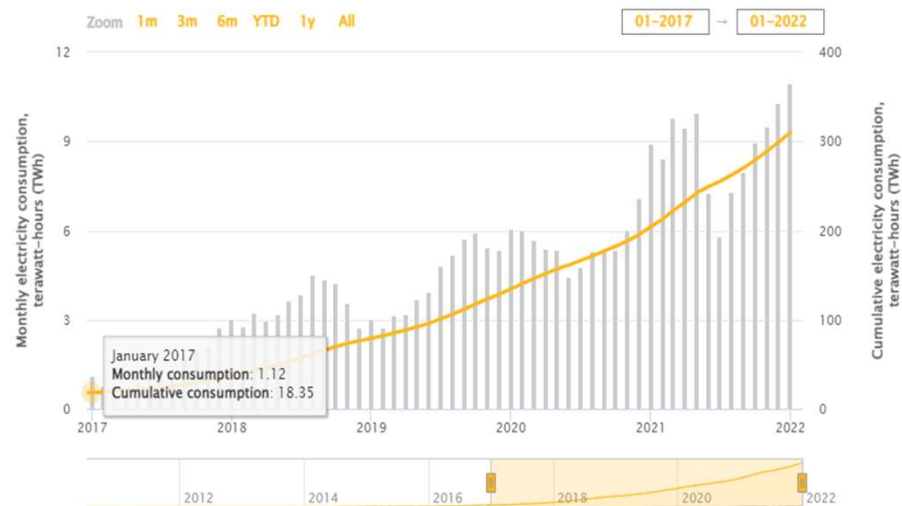
- ☐ E .. not so S and G
- ☐ Green energy?
- ☐ BTC energy use estimate
- ☐ Energy consumption/utility
- ☐ Decarbonization & bigger picture
- ☐ “Green mining” & green coin
- ☐ Grid stabilization & integration



# ESG

## Total Bitcoin electricity consumption

Select an area by dragging across the lower chart



Source: University of Cambridge (Cambridge Bitcoin Electricity Consumption Index)

Theoretical lower bound

5.63  
GW

49.31  
TWh

Estimated 2

14.27  
GW

Annualised consumption 2  
125.13  
TWh

Theoretical upper bound

33.26  
GW

291.58  
TWh

## Historical Bitcoin network power demand

Select an area by dragging across the lower chart





# SECOND POLL + Q&A

# CANDIDATE MEMBERSHIP

- Candidates in the CFA, CIPM, RBA or RMFI Programs are welcome to join the investment professionals of CFA Society VBA Netherlands for an introductory candidate membership for just 80 euros a year, for a maximum of three years.

## THIS COVERS

All candidates members	CFA candidates members extra's
<ul style="list-style-type: none"><li>• Participation in <u>events &amp; educational offerings</u> of the society (mostly free)</li><li>• Access to the <u>Mentoring program</u> and Career Development activities and workshops (softskills or content)</li><li>• Professional exchange and networking with over 2,000 local society members</li><li>• Opportunity to volunteer in our active <u>committees</u></li><li>• Our locally produced, <u>VBA Journaal</u>, published quarterly</li><li>• Bi-weekly newsletters with event announcements, investment content and society news</li><li>• N.b. Discounted or free participation in our educational programs is not included in this introductory offer (but is included in affiliate or regular membership, see <a href="http://www.cfavba.nl">www.cfavba.nl</a>)</li></ul>	<ul style="list-style-type: none"><li>• 2x a year participation in the CFA online Society Mock Exams for just \$25 (otherwise \$109 dollars)</li><li>• Free participation in CFA Exam prep <u>workshops</u>,</li><li>• <u>Discounts</u> on third-party exam prep courses and materials,</li><li>• <u>Scholarships</u>,</li><li>• Forming <u>study groups</u></li></ul>

# THANK YOU