

CDFA // BNY MELLON Development finance webcast series

THE BROADCAST WILL BEGIN AT 2PM EASTERN

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What Development Finance Needs to Know about Web3





Zeyu Zhang

Coordinator, Research & Technical Assistance Council of Development Finance Agencies Columbus, OH



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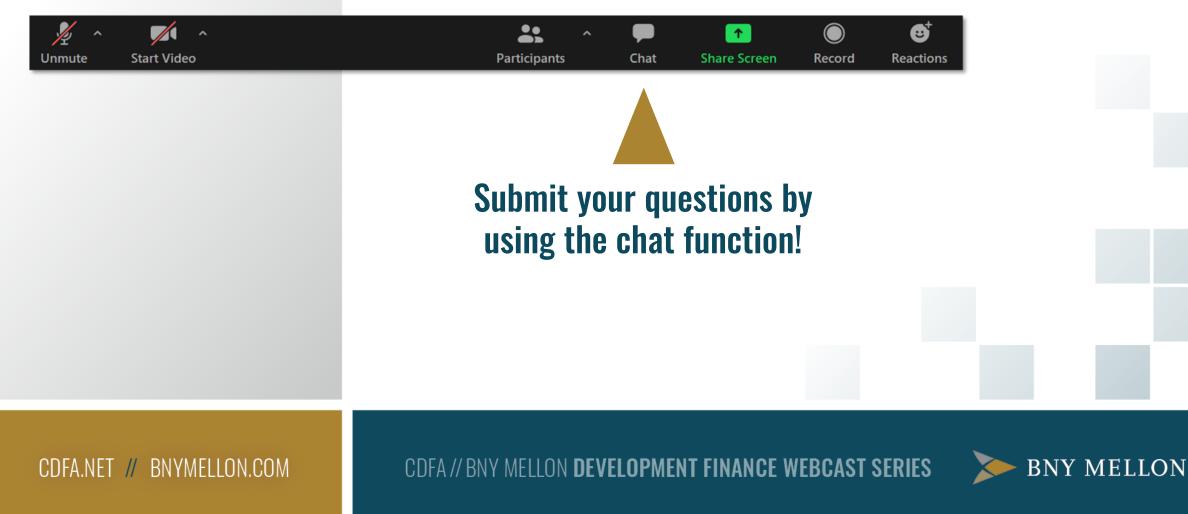


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Join the Conversation





Oreste Casciaro

Vice President BNY Mellon

Janet Perez Shensky

Senior Vice President Strategic Partnerships at Lendistry

Sean Stein Smith

Professor City University of New York-Lehman College



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Dr. Sean Stein Smith

City University of New York - Lehman College

Wall Street Blockchain Alliance



About me

- Dr. Sean Stein Smith, CPA, CMA, CGMA, CFE
- Assistant Professor, Lehman College, City University of New York
- Forbes Contributor Crypto & Blockchain
- Accounting Today Top 100 Most Influential People in Accounting
- E.C. Harwood Visiting Research Follow American Institute of Economic Research
- Board of Advisors Wall Street Blockchain Alliance (WSBA)
- Chair, Accounting Working Group, WSBA
- Immediate Past Chair, NJCPA Emerging Technology Interest Group
- Advisory Board Member Gilded "Crypto Accounting Made Simple"
- 40 under 40 in Accounting (2017-2021)
- Host NJPCA IssuesWatch (Tech)
- NJCPA Trustee (2022 FY)

Agenda

- Crypto update
 - Bitcoin is old news!
- Web 3.0 update
- Implications for local governments and technologists







Active regulators

- Many opinions and perspectives on bitcoin and crypto for financial institutions
- New SEC chairperson Gary Gensler is a crypto expert does not necessarily mean he is always going to innovate
- Janet Yellen not a fan of crypto or bitcoin
- Trade associations very active
- Infrastructure bill with crypto language embedded within it

President's Working Group Report on Stablecoins

- Issued in Q4 2021
- https://home.treasury.gov/news /press-releases/jy0454
- First comprehensive report on stablecoins issued by the Federal Government, with major private sector partners
- Not supportive of the sector nor its use cases

An official website of the United States Government U.S. DEPARTMENT OF THE TREASURY		
ABOUT TREASURY	POLICY ISSUES DATA SERVICES NEWS	
HOME > NEWS > PRESS RE	We can do this. Find COVID-19 vaccines near you. Visit Vaccines.gov. LEASES	
NEWS	PRESS RELEASES	
Press Releases	President's Working Group on	
Statements & Remarks	Financial Markets Releases Report	
Readouts	and Recommendations on	
Testimonies	Stablecoins	

U.S. Executive Order - Crypto

- Long-awaited executive order signed into law in March 2022
- No specific actions steps or policies
- Three (3) main takeaways
 - No crypto ban or shadow-ban
 - Mandates coordination among policymakers
 - Definitive shift toward integration
- https://www.brookings.edu/blog/techt ank/2022/03/17/how-bidens-executiveorder-on-cryptocurrency-may-impactthe-fate-of-digital-currency-and-assets/



Stablecoin breakdown

- Have a market capitalization well in excess of \$150 billion USD
- Used for transactional purposes, and play an integral role in the DeFi economic landscape
- Issued by private organizations and are pegged to external assets
 - Fiat currencies
 - External assets (gold/oil)
 - Other cryptocurrencies
- But, are they taxable?

What is DeFi?

- New name and term for what was called "open finance"
- An umbrella term for a suite of blockchain projects and initiatives
- Runs primarily on Ethereum or Ethereum-based blockchains
- Increased reliance on smart contracts
- Capitalization of DeFi market grown from \$686 million in Jan 2020
- Over \$15 billion in Jan 2021
- Over \$250 billion by Q4 2021
- https://news.bitcoin.com/total-value-locked-in-defi-reaches-250-billionuniswap-quickswap-trader-joe-dominate-dexvolumes/#:~:text=The%20total%20value%20locked%20(TVL)%20in%20defi%20ha s%20reached%20an,value%20has%20expanded%20by%2025%25.

NFT, explained

Digital assets that are connected and represent an underlying asset

-

Every NFT contains distinctive and identifiable information that makes it distinct from any other NFT

Cannot be exchanges directly for each other

175

Cannot be sub-divided like bitcoin can be sub-divided in Satoshi's

X•

Reduces the potential for fakes/forgeries due to blockchain foundation

Web 3.0

What is Web 3.0

- Web 3.0 is an idea that has been around since the 1990s
- Web 1.0 HTML and basic web search functionality
- Web 2.0 social media, data gathering, ad-driven businesses
- Web 3.0
 - Decentralized, trustless
 - Driven by artificial intelligence and deep learning
 - Major implementation of tokenized/crypto utilization
- Major pushback against privacy issues raised against virtually every firm
- https://www.investopedia.com/web-20-web-30-5208698

Crypto connection to Web 3.0

- Web 3.0 is not based on cryptocurrencies, but...
- In order to have a decentralized and trustless platform to share data the users require blockchain
 - Immutable, traceable, transparent, instant sharing of data
- Crypto and smart contracts are how blockchains interoperate
- Tokens = certain types of crypto
- Crypto is how Web 3.0 applications operate and are paid for
- https://www.analyticsinsight.net/what-is-web-3-0-and-what-does-it-have-todo-with-democracy/
- How far along are we?

Web 3.0 examples

- Apple Siri
- Facebook (now known as Meta)
- Filecoin
 - Blockchain and crypto based online file storage
- Brave Browser
 - Tokenized based online browser with no data gathering
- Steemit
 - Content and streaming platform to decentralize and pay creators
- https://metamandrill.com/web-3-0/

Web 3.0 pros and cons

Pros

- Data ownership, control, and privacy
- Fewer intermediaries
- Transparency and faster surfing
- Personalized and customized web browsing and advertising

Cons

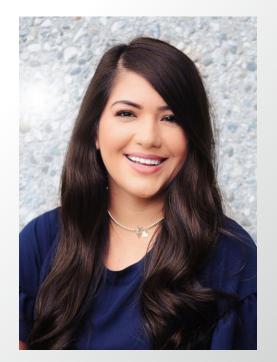
- Lack of interoperability and crossplatform functionality
 - No "PayPal" application yet
- Complicated
- Lack of regulation and standards
- Upgrades to current sites are necessary

Implications for you

- Blockchain and crypto are being used by more institutions (private and public sector) every single day
- These tools, combined with Web 3.0, provide a faster, cheaper, and more secure way to process payments and store information
- Also provide options for raising capital in new ways
 - Tokenized ownership/financing, or coin issuance to fund projects
- Many opportunities and challenges for motivated professionals

Thank you!

- Questions?
- Comments?
- Jokes?
- Email drseansteinsmith@gmail.com
- Twitter @seansteinsmith
- LinkedIn Sean Stein Smith



Janet Perez Shensky

SVP Strategic Partnerships at Lendistry



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lendivery Who We Are

Lendistry is a minority-led and technology-enabled small business lender that **provides economic** opportunities and progressive growth for small business owners and their underserved communities as a source of financing and financial education.

Our Business Model

Along with our non-traditional business model that is technology-led and customer-focused, our team has a collective 300 years of banking experience, making us well-equipped to assist small business owners during unprecedented times.

Our Technology

We have an ongoing investment in our proprietary technology to enhance the borrower experience. Lendistry is uniquely positioned to use its technology to quickly and efficiently deploy capital in a scalable way.

Our Social Impact

Our target markets are minority small business owners and their underserved communities. We have provided \$8.5 billion in small business loans and grants, supporting 576,000 small businesses

Our Entities B.S.D. Capital dba Lendistry

Lendistry SBLC, LLC



Community Development **Financial Institution**



Small Business

Federal Home FHLBank Loan Bank San Francisco

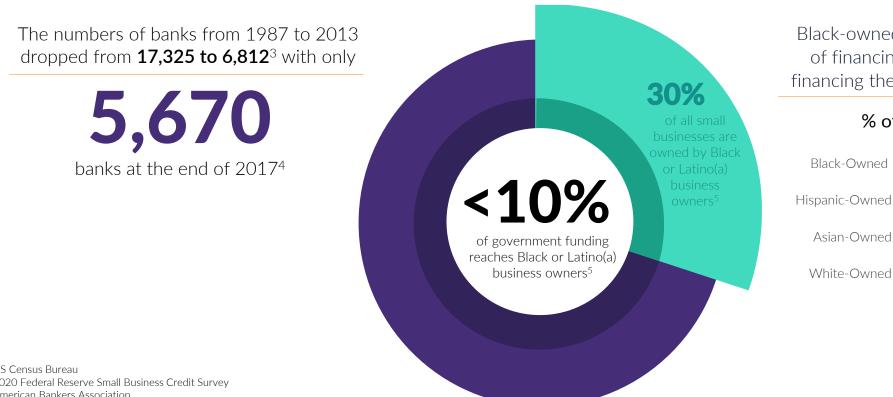


Administration

lendivery | Statistics

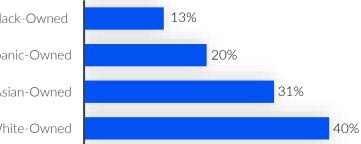
Nearly 10 million new businesses were formed in 2020 and 2021.¹

The speed of funding decision (54%) and chance of being funded (46%) are the top two reasons small businesses report using online lenders, despite these lenders having the lowest satisfaction rates of any funder type (18% satisfied).²



Black-owned firms that applied for traditional forms of financing were least likely to receive all of the financing they sought, even with good credit scores.⁶

% of firms who received financing



¹ US Census Bureau
 ² 2020 Federal Reserve Small Business Credit Survey
 ³ American Bankers Association
 ⁴ FDIC Quarterly Profile (4Q17)
 ⁵2021 SBA Weekly Lending Reports
 ⁶2021 Small Business Credit Survey

Lendivery | Supporting Underserved Communities with Technology



RAPID DEVELOPMENT

Build and deliver financial products and grants quickly to meet the needs of the changing economic environment



MULTI-TENANT

Enable other financial institutions & community partners with our technology increasing our reach and impact



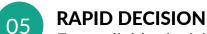
ACCESSIBILITY/TRANSLATION

Enable application with accessibility tools and multi-language features to increase accessibility and ease



ONLINE SERVICING

Customer portal to manage payments, see payment details and set up automatic payments online



Fast reliable decisions that are inclusive

of underserved communities and use factors that are relevant ensuring those who need capital have equal access to it

ARTIFICIAL INTELLIGENCE

Use our data to abstract patterns that can predict trends and measure risk fast



80

06

MANAGING WASTE, FRAUD & ABUSE

Leverage fraud prevention tools such as behavioral analysis, ID checkpoints, and bank accounts verifications

PREDICTIVE CAPITAL NEEDS

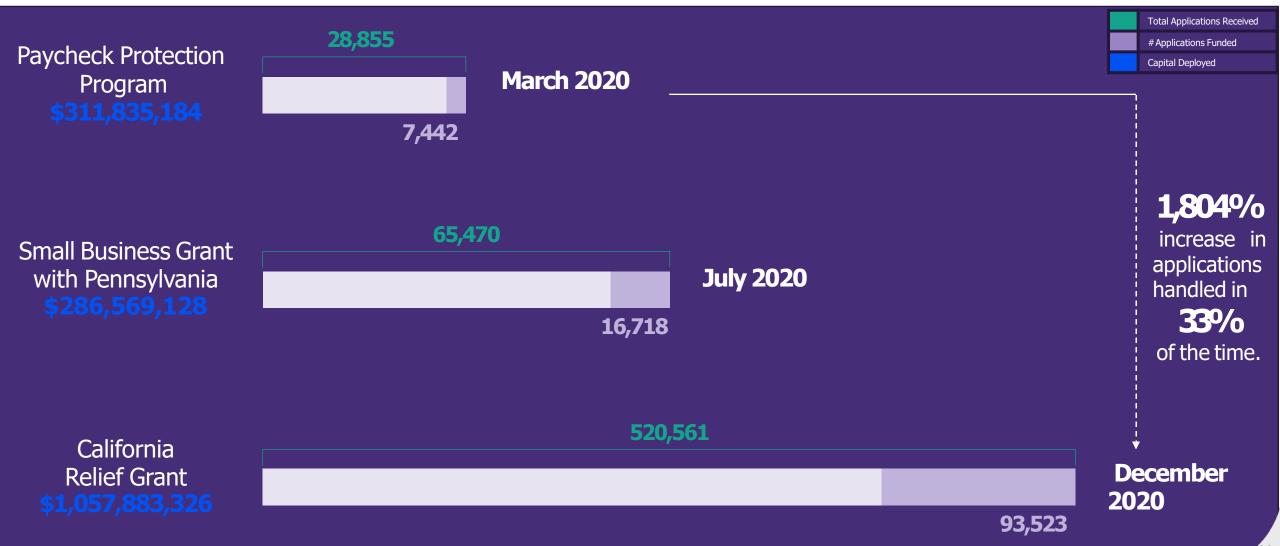
Leverage our data to proactively provide capital when our customers need us the most without them having to initiate the interaction

- » Our technology roadmap ensures our technology provides the value our customer's demand.
- » We are leveraging technology to remove friction preventing scale.
- » Technology is the key to reducing the reliance on manual processes that result in longer wait times.
- » Technology is also strategic in how we reach more customers through our alliance and partner programs.

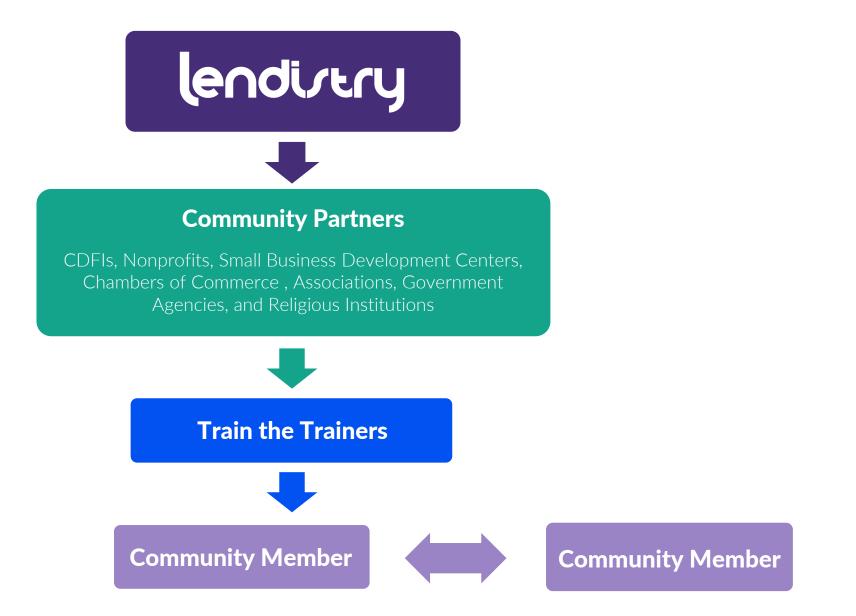
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lendivery | Lendistry's Impact on COVID-19

The full scale and leverage of our proprietary technology platform allowed Lendistry to quickly deploy urgentlyneeded capital to the front lines of U.S. small businesses.

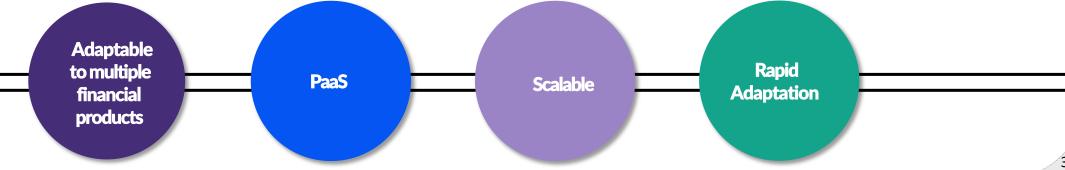


lendivery | Empowering the Community



lendivery | Delivering Significant Value with Our Platform

ndirtry	Questions? Contact Us 213-555-1212	PARTNERS
Let's get started with your application (California Small B	usiness Relief Grant Program)	 Access to standard application Robust data collection
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lendistry | Our Growth

Lendistry Today



By the end of this year, we expect to provide over \$10 Billion in capital to small business owners and support

2 million jobs

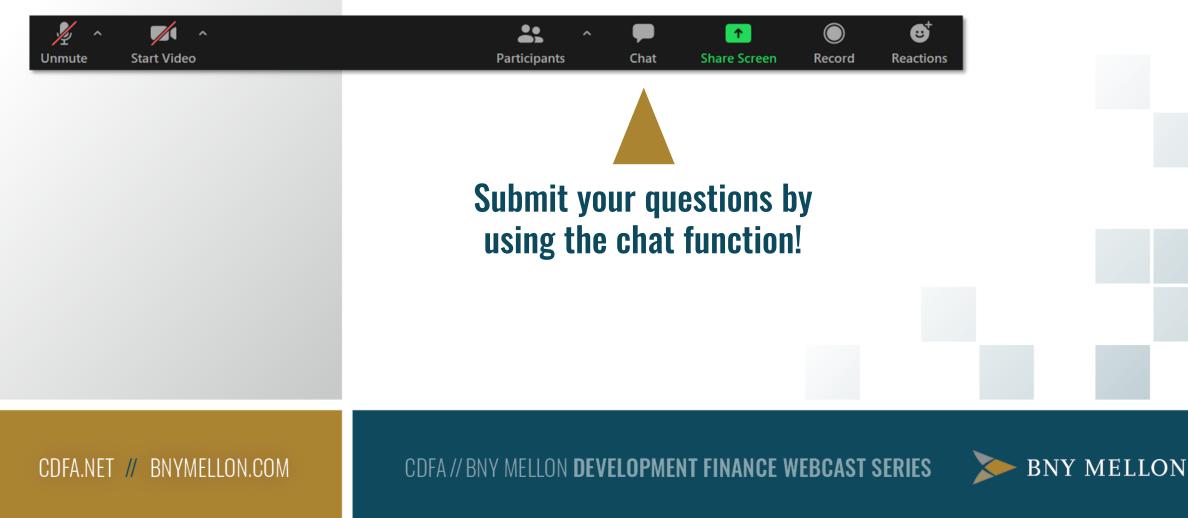
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Audience Questions





Upcoming Events at CDFA



CDFA TRAINING INSTITUTE

We offer 17 courses in development finance designed for all skill levels. Learn more and register today at www.cdfa.net **Exploring Equitable Capital Technology (EC-Tech) in Development Finance** Tuesday, May 24, 2022 // 2:00 - 3:00 PM Eastern

Intro Housing Finance WebCourse May 23 - 24 // Daily: 12:00 - 5:00 PM Eastern

CDFA // BNY Mellon Development Finance Webcast Series: Racial Equity in the Bond Markets

Tuesday, June 21, 2022 // 2:00 - 3:00 PM Eastern

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