Street Credit Bureau! Alternative Credit Ecosystems: Models, Technologies, and a Blueprint for Street Credit Bureau

Introduction

Traditional credit scoring systems – dominated by credit bureau reports and FICO-like scores – leave billions of people invisible or "unscoreable" in the eyes of banks. Globally, an estimated 2 billion individuals lack access to formal credit because they have no traditional credit history or collateral, despite being reliable and trusted within their communities . This gap has spurred the rise of alternative credit scoring models that look beyond conventional data (like loan and credit card history) and instead assess a borrower's trustworthiness through unconventional indicators. These emerging models leverage everything from rental and utility payments to mobile phone usage, e-commerce activity, social networks, and community reputation to gauge creditworthiness. The goal is a more inclusive financial system that recognizes *informal* proof of reliability and empowers those long deemed "uncreditworthy" by legacy institutions.

This document provides an in-depth overview of alternative credit scoring approaches around the world, the key variables that have proven effective in evaluating borrower trustworthiness beyond traditional metrics, and the technologies enabling these new systems. We also outline a blueprint for how the Street Credit Bureau (SCB) – supported by McCluster Corp (a nonprofit, SAM.gov registered entity) – can integrate these models and technologies into a globally recognized alternative credit ecosystem. The envisioned SCB model aims to empower everyday individuals as lenders, build community wealth, and fundamentally challenge traditional financial institutions by decentralizing and democratizing credit. All relevant research and case studies are cited, and a structured plan is presented in a white-paper format.

Alternative Credit Scoring Models: Existing and Emerging Approaches

1. From Traditional to Alternative Data: Traditional credit bureaus rely mainly on financial records (loan repayments, credit card utilization, defaults, etc.). In contrast, alternative credit scoring taps into non-traditional data sources to evaluate credit risk. These can include payment histories for everyday obligations (rent, electricity, water, phone bills), employment and income information, shopping and e-commerce behavior, and even psychometric or social data. Such data provides a more holistic view of a person's financial habits and reliability . Notably, mainstream financial institutions are rapidly warming to this approach – a 2023 Experian report found 62% of lenders were using alternative data

to improve risk assessments, signaling a shift toward more inclusive credit models .

2. Alternative Data Credit Scoring in Practice: Across the globe, a variety of alternative data-based models have taken root:

- **Utility and Rent Payments: Regular, on-time payment of utility bills (electricity, water, gas) and rent is a strong indicator of responsible financial behavior. These recurring payments demonstrate the ability to manage obligations outside of formal loans . For example, Experian's Boost program in the U.S. allows consumers to add utility, telecom, and streaming service payments to their credit file to instantly increase their scores . Several countries now actively incorporate such data; in fact, the Bank of Ghana in 2021 *mandated* that telcos, utility companies, and fintechs submit alternative payment data to credit bureaus, to expand credit access for thin-file borrowers . Similarly, many lenders consider documented rent payment history as evidence of creditworthiness, since rent is often the largest monthly expense and a predictor of loan repayment behavior .**
- **Bank Account Cash Flows: Transaction data from bank accounts – including deposits, withdrawals, salary payments, and expense patterns – can be mined for insights into an individual's income stability and spending habits. Cash-flow underwriting uses metrics like average account balance, income consistency, and expense-to-income ratio to determine ability to repay . For small businesses and micro-entrepreneurs, linking business bank accounts or digital wallet ledgers can provide a rich credit picture. A study by FinRegLab (2020) showed that cash-flow data (e.g. from bank statements or payment processors) can predict credit risk as well as, or better than, traditional bureau scores for thin-file borrowers .**
- **Mobile Phone and Digital Payments: In regions where formal credit histories are scarce, mobile phone metadata and mobile money transactions have become powerful credit signals. Prepaid mobile top-up patterns, data usage, and prompt payment of phone bills can reveal a user's financial diligence . Mobile money platforms (like M-Pesa in Kenya) generate transaction histories that effectively stand in for bank statements – showing how users save, spend, and handle periodic shortages or windfalls. Telcos and fintech lenders have partnered to use this information: for instance, MTN's mobile network in South Africa partnered with TransUnion (a credit bureau) to use telecom payment and usage data to score customers, helping millions who lack bank accounts to access loans . Research by the World Bank likewise found that behavioral signatures in mobile phone data (such as maintaining**

airtime balance or the social network of calls/texts) can predict loan default with remarkable accuracy . In short, a person's "digital footprint" – including e-wallet payments, e-commerce purchase history, and peer-to-peer app transactions – enriches the credit profile beyond what a traditional credit report provides .

- **Social Media and Online Behavior: Some lenders (especially fintech startups) experiment with social media data – for example, a borrower's social network stability, reputation, and even text semantics – as inputs to credit models. While controversial from a privacy standpoint, social data can sometimes proxy trustworthiness or community standing . One study showed that including an applicant's online social network (e.g. whether their contacts had defaulted) and regional economic indicators improved default predictions, highlighting the potential of such alternative variables . However, use of social media is undertaken cautiously, with many jurisdictions requiring consumer consent and guarding against bias. More commonly, community reputation is assessed in structured ways (see point 3 below) rather than scraping social feeds.**
- **Public Records and Identity Data: Beyond credit bureau files, other public records can inform creditworthiness. Employment history (tenure, employer stability), educational background, professional licenses, and even residential stability (how long at an address) can contribute to a risk profile . Public court records, while sensitive, are used in some countries – for example, data on past bankruptcies, evictions, or legal judgments can flag high credit risk, whereas the absence of such issues can be a positive signal . Notably, some emerging markets have innovated here: various African and Latin American nations are enabling national ID data, tax records, or utility registries to be tapped for credit decisions (with appropriate consent and privacy safeguards) .**
- **Psychometric Assessments: An innovative alternative model uses psychometrics – essentially, personality quizzes or cognitive tests that correlate with trustworthiness and entrepreneurial traits. Lenders like Entrepreneurial Finance Lab (EFL) pioneered this approach for small-business loans: applicants answer questions measuring traits like conscientiousness, honesty, optimism, and intelligence. These scores have been shown to predict repayment even when financial history is absent . In one World Bank-backed experiment, psychometric credit scoring enabled unbanked women entrepreneurs in Africa to obtain unsecured loans; those offered credit via psychometric screening were 30% more likely to borrow for their businesses**

(versus a control group), and default rates stayed low . This suggests that for populations with no collateral or formal records, *who they are* (in terms of attitude and reliability) can substitute for *what they have*. Psychometric models are now deployed by some microfinance institutions and fintech lenders across Latin America, Asia, and Africa as a supplement or alternative to traditional scores.

- **Community Reputation & Group Lending: Perhaps the oldest form of credit evaluation is reputation within one's community – essentially, character-based lending. Modern alternative credit systems are rediscovering these grassroots methods. For example, many microfinance programs rely on group lending: small groups of borrowers collectively guarantee each other's loans, leveraging peer pressure and support. A person's standing in the community (do they fulfill obligations to neighbors? are they considered trustworthy?) directly affects their access to credit in such models. In practice, this has proven very effective – Grameen Bank-style group microloans boast high repayment rates worldwide. New scoring systems attempt to quantify community reputation: e.g., the MicroLoan Foundation (a social microfinance org) in Africa considers *"business performance data, community reputation, and peer assessments"* when evaluating loan applicants, not just financial statements . Likewise, credit cooperatives and community development financial institutions may use local testimonies or community committee approvals as part of underwriting. These approaches acknowledge that someone deeply *"rooted in the community"* with a track record of honor may be a safer bet than their lack of formal credit history suggests.**

3. Social Trust Networks – "Relationship-Based" Credit Scoring: An especially cutting-edge category of alternative credit is emerging at the intersection of technology and age-old community finance: peer-to-peer trust networks. These models throw out the centralized, paperwork-heavy paradigm altogether and ask a simple question – *what if trust alone was enough to get a loan?* . Instead of a bank or credit bureau judging you, the people who know you vouch for your creditworthiness. Modern platforms are scaling this concept beyond small groups through innovative design:

- **Mutual Credit Networks: One example is the Trustlines Network, a project that implements mutual credit on the Ethereum blockchain. In this system, every pair of individuals can agree on a credit line between them (e.g., Alice and Bob trust each other for up to $100). These IOUs form a web of trust. If Alice doesn't know Charlie, but Bob does, Alice can still buy from Charlie by transitive trust: Alice owes Bob, and Bob in turn owes Charlie, settling the**

obligation through the chain . The blockchain keeps a secure ledger of these peer-to-peer loans. Essentially, "transitive trust" replaces the bank – leveraging the fact that we are all connected by a few degrees of separation . This idea harkens back to community bartering and local credit circles, but technology allows it to scale globally with tamper-proof records . The only requirement is a trusted connection path between lender and borrower. The *Trustlines* protocol uses smart contracts to automatically route payments across a network of acquaintances, enabling strangers to extend credit through intermediaries they mutually trust . In effect, your social network becomes your bank.

- **Peer Reputation Scores: Another implementation of relationship-based credit is seen in platforms like DCSocial (Decentralized Social Credit). DCSocial measures trust by analyzing factors such as how long people have known each other, their history of keeping promises, mutual connections, and community endorsements . Each user gets a "trust score" based on this graph of relationships. Rather than a traditional credit score built from financial data, it's a *social credit score built from trust data*. One's trust score and the number of connections then determine a credit capacity – how much one can borrow from the network – via a formula encoded in the system . For example, a user with a trust score of 0.8 and ten strong connections might have a credit line of about 7,100 units from the community network . If they need a loan, they can borrow directly from those who trust them (friends, family) *or even from friends-of-friends*. Crucially, trust can "multi-hop": if Alice trusts Bob and Bob trusts Carol, Alice can lend to Carol through Bob acting as a bridge (Bob vouches for Carol to Alice) . This multi-hop lending allows credit to flow between people who don't know each other, as long as a chain of trust connects them . It overcomes the scale limitation of traditional village lending circles.**
- **Incentive and Default Mechanisms: In these trust-based systems, incentives are aligned by distributing interest and responsibility among the network. Using the earlier example, if Carol borrows and a chain of Alice–Bob–Carol is used, Bob (the intermediary) essentially cosigns or guarantees Carol's loan from Alice. Bob earns a portion of the interest for enabling the connection (for taking on that risk) . In DCSocial's model, interest rates are modest (e.g. 3–8% APR) and get split among all contributors to the loan: the direct lender, any intermediaries, and any *"warrant holders"* who provided guarantees . For instance, a 5% interest on a 1,000-unit loan might be divided such that the lender gets 50% of interest, an intermediary 30%, and a guarantor 20% . This**

means no single entity is extracting all the profit; instead, the "surplus" is shared by community members who facilitated the credit. It also creates a natural risk distribution – those who vouch for riskier borrowers earn more interest as a premium, and if a default occurs, the loss can be spread across the network (much like community insurance). Early real-world examples are promising: for instance, DCSocial cites a case of a small business owner in the Philippines who, despite being rejected by banks due to no formal credit history, secured a loan from her community trust network of 10+ people who knew her character – something that would be impossible under traditional lending .

In summary, alternative credit scoring models worldwide range from sophisticated big-data algorithms to grassroots peer networks. Common to all is the goal of painting a fuller picture of a borrower's trustworthiness than the narrow lens of traditional credit scores. Whether it's paying one's electric bill on time or having neighbors vouch for you, these models harness information that was previously ignored by formal finance. The most effective variables that keep recurring in successful alternative scoring initiatives include: rent and utility payment history, telecom and mobile money data, bank account cash flows, e-commerce and gig economy earnings, education/employment records, social and community reputation, and personal traits (measured via psychometrics) . Each adds a new layer of insight. Indeed, research shows that incorporating such alternative inputs can significantly improve predictive power – one study found that adding *email usage patterns and psychometric variables* to a basic demographic model yielded "greater predictive accuracy" for credit risk, high enough to use when conventional credit data is unavailable . Conversely, excluding novel factors (like social network metrics or regional data) *reduced* model performance, underscoring how alternative data can enhance credit decisioning .

Technology Platforms Enabling Alternative Credit Ecosystems

Implementing a global alternative credit ecosystem – especially one that is community-driven and decentralized – requires a robust, low-cost technology stack. Fortunately, recent advances in fintech APIs, open-source software, and blockchain platforms make it feasible to build an end-to-end system for data integration, credit scoring, peer-to-peer lending, and governance. Below we identify and compare key technologies and platforms that can support the core functions of an alternative credit bureau:

a. Banking Data Integration (Open Banking APIs)

One of the first challenges is aggregating an individual's financial data (with their consent) – from bank accounts to bill payments – into a single view. This is handled by open banking APIs and data integration platforms. Leading services like Plaid and MX allow a fintech app to securely connect with a user's bank, credit card, or digital wallet accounts and retrieve transaction history, balances, and other data in real-time . For example, Plaid's API platform connects to 12,000+ financial institutions across the US, Canada, UK, and Europe, and powers data access for over 8,000 apps and services globally . By using such an API, the Street Credit Bureau could, with user permission, pull a prospective borrower's recent bank transactions, verify income deposits, see bill payments, etc., all automatically – eliminating the need for paper statements. These aggregators also increasingly support integrations with fintech data sources: digital payment apps (like PayPal, Cash App), investment accounts, and even crypto wallets. In markets with formal Open Banking regulations (UK, EU, India, etc.), APIs can access standardized data (through frameworks like PSD2 and FDX) often at low cost. There are also open-source efforts in this space – for instance, the Fineract platform (from the Apache Foundation) and others can serve as a backend for core financial data management, and APIs like Plaid provide sandboxes for developers. By leveraging existing APIs rather than building from scratch, an alt-credit platform can cheaply achieve "banking-grade" data integration – a critical foundation for alternative scoring based on cash flows and payments.

b. Credit Scoring Algorithms and Open-Source Analytics

With diverse data in hand, the next step is to calculate a credit score or risk rating. Traditionally, this would require expensive proprietary models (like FICO's algorithms). However, the democratization of data science means an organization like SCB can utilize open-source tools and machine learning to create its own credit scoring engine. Libraries such as Python's Scikit-learn or more specialized AutoML frameworks can help develop predictive models using alternative data. Indeed, AI-driven credit models are on the rise: many fintech lenders use machine learning to find patterns in thousands of data points (social media, phone records, browsing behavior, etc.) to flag good borrowers . A World Economic Forum report (2022) noted that AI credit scoring models explicitly including the "unbanked" performed well and needed to be monitored for bias . For transparency and trust, SCB could adopt an "open algorithm" policy, where the scoring formula (or at least the factors) is documented openly – unlike traditional scores which are often black boxes. Some initiatives, like the Masa Finance protocol, are even tokenizing credit data: Masa

creates a "non-fungible credit report" on blockchain by aggregating off-chain data (bank and bureau records from 78 countries) and on-chain crypto-wallet data, then provides scorecards to lenders . Masa's platform, notably, is built with privacy (using zero-knowledge proofs) and is blockchain-agnostic, running on Celo and Ethereum . This shows how a tech stack can combine conventional analytics with blockchain to make scores *portable and globally verifiable*. For SCB, the scoring system could initially run on a traditional server for simplicity, but anchoring key credit data or hashes of the credit report to a blockchain (for auditability) is advisable in the long run. The bottom line: developing and continuously updating credit scores can be done with low-cost open-source software, and even open data collaborations (sharing anonymized data to improve models for under-served segments) – ensuring the scoring process remains adaptable and credible.

c. Peer-to-Peer Lending Platforms and Marketplaces

To truly empower individuals to act as lenders, a peer-to-peer (P2P) lending platform is needed. This is essentially a marketplace matching borrowers to lenders, handling loan origination, repayments, and (if applicable) interest payments. Traditional P2P companies (Prosper, LendingClub in the US; Zopa in the UK; etc.) have built such marketplaces within regulatory frameworks. But here, we are interested in low-cost or open-source solutions that a community-driven credit bureau could use. One model to emulate is Kiva, the nonprofit lending platform that has enabled everyday people to fund over 1.6 million micro-loans (totaling $1.7+ billion) to low-income borrowers worldwide . Kiva's platform is essentially an online marketplace where anyone can lend $25 or more at 0% interest to borrowers who are screened by field partners. Impressively, Kiva boasts a 96% repayment rate globally – demonstrating that crowdsourced lending to the underserved can be remarkably successful at scale. Kiva's success is partly due to leveraging social capital: many first-time borrowers on Kiva get initial loans after garnering support from friends and family (a form of endorsement), and Kiva emphasizes "character over credit" .

For SCB, an ideal P2P platform might combine the community focus of Kiva with the efficiency of decentralized tech. Smart contract-based lending platforms on blockchain (often referred to as DeFi lending protocols) can automate the entire loan lifecycle. On Ethereum and other networks, protocols like Aave and Compound proved that billions can be lent and borrowed without traditional intermediaries – though those early DeFi models required over-collateralization with crypto assets. Newer protocols are tackling under-collateralized lending: for instance, Goldfinch is a DeFi credit protocol that provides crypto loans to real-world businesses *without requiring crypto collateral*. Instead, Goldfinch

relies on a "trust through consensus" mechanism where a community of investors and auditors collectively assess a borrower's creditworthiness and fund the loan . Goldfinch has already deployed over $100 million to borrowers in 18+ countries (e.g. fintech lenders in Kenya, retail businesses in India), demonstrating that crypto capital can reach underserved markets by substituting community due diligence for traditional collateral . In Goldfinch, stakeholders called *"backers"* stake funds to approve specific borrowers, essentially vouching for them, and earn yield if loans perform . This decentralized vetting is analogous to community voting on creditworthiness, but with skin in the game.

SCB could take inspiration from such platforms. A possible approach is creating a hybrid P2P marketplace: part of it could operate in fiat currency via a web platform (for accessibility to general users), and part could be mirrored on a blockchain (for transparency, global reach, and automated enforcement). Platforms like Celo are well-suited to this because Celo is a mobile-first blockchain designed for easy payments and even lets users send/receive stablecoins via just a phone number . Celo also has a built-in stablecoin (cUSD) and supports transaction fees in stablecoin, making the user experience akin to Venmo/MPesa but on a decentralized network . Notably, Celo's design allows a user's phone number to act as a proxy for their wallet and identity, and it builds a reputation score based on the number of people who have transacted with that user – which can effectively become a credit history to enable P2P loans and micro-insurance . By leveraging such a platform, SCB could allow a lender in one country to seamlessly lend to a borrower in another, with all transactions recorded on a tamper-proof ledger and enforceable via smart contracts. Furthermore, open-source P2P lending software exists (for example, the Mifos initiative offers modules for loan management that could be repurposed for peer lending, and the Trustlines project open-sourced their mutual credit protocols). The key is to adopt a solution that minimizes overhead costs – unlike traditional banks, which have high administrative costs that drive up interest rates, a smart-contract-based system can automatically collect payments, redistribute funds, and handle penalties, all for the mere cost of maintaining the network.

d. Community Voting and Governance (Blockchain-based or Hybrid)

Empowering the community is not just about enabling lending; it's also about giving stakeholders a voice in how the system is run. Community voting and governance mechanisms can be built into the credit ecosystem so that policy decisions (e.g. setting interest rate ranges, deciding how to handle defaults or who qualifies as a verified borrower) are made democratically or through a cooperative model, rather than by a distant corporate board. Blockchain technology introduced the concept of Decentralized

Autonomous Organizations (DAOs) – essentially, member-governed organizations where rules are enforced by smart contracts and decisions are made by token-holder votes. For SCB, one could implement governance via a DAO-like structure: for example, issuing a governance token or membership token to all active participants (lenders, high-reputation borrowers, community sponsors) which they can use to vote on proposals. This could include votes on which new data sources to integrate, how to adjust the trust scoring algorithm, or how to allocate community funds. Platforms like Ethereum offer turnkey solutions (such as Snapshot or Aragon) to facilitate token-weighted voting without high fees. Another approach is a more traditional cooperative governance – e.g., establishing a council of elected community representatives who use a voting app to decide on credit policies periodically.

Blockchain can still enhance transparency here: each governance decision or vote outcome could be recorded on-chain for auditability. An example is Celo's proof-of-stake governance model, where CELO token holders elect validators and vote on protocol changes in a process resembling a representative democracy . Similarly, a Street Credit Bureau token could align stakeholders with the network's success – perhaps even entitling them to a share of network revenues or a claim on a reserve pool (much like how credit union members get dividends). Community voting could also extend to *credit decisions* in certain cases: imagine a scenario where a borrower lacks sufficient data, but dozens of community members vouch for them – a governance system could formalize that process, allowing those who vouch to collectively approve a loan (and perhaps collectively guarantee it via a staking mechanism). This blends into the earlier discussion of trust networks and Goldfinch's model (where community members effectively vote with their money on borrower trustworthiness). The technology to do this at scale is rapidly maturing; even large asset management is coming on-chain (e.g., Goldfinch recently brought multi-billion-dollar credit funds on-chain for broader access). For SCB, integrating governance tech means the *rules of the game* are not imposed top-down but are co-created by the community, increasing legitimacy and adaptability of the ecosystem.

e. Automated Risk Assessment and Smart Contracts

Automation is crucial for keeping the alternative system efficient and low-cost. Smart contracts (self-executing code on blockchain) are a powerful tool in this regard. They can be used to enforce loan terms: for example, once a P2P loan is agreed upon, a smart contract could hold the lender's funds in escrow until conditions are met, then release to the borrower, and automatically collect repayments according to schedule (pulling from

the borrower's blockchain wallet or linked bank account via API) to redistribute to the lender and any guarantors. If the loan is collateralized (say by some crypto or even tokenized real asset), the smart contract can automatically seize and liquidate collateral upon default, following pre-defined rules – eliminating the need for costly legal processes. Even in uncollateralized loans, smart contracts can encode incentive mechanisms: e.g., one could design a contract that issues reputation tokens to a borrower's account as they repay, or conversely, marks their address with a default flag if they fail to pay, which the entire network can see (creating an immutable reputational consequence that deters willful default). In trust-based lending, multi-hop loans and interest splitting can be handled by code: the DCSocial example of multi-hop credit could be implemented such that when a payment comes in, the contract automatically pays out Bob's share of interest, Carol's share, etc., according to the formula, with total transparency . This removes any ambiguity or human manipulation – the community can verify that everyone got their fair share of the interest or that the agreed fee for a guarantor was exactly what the contract paid.

On the risk assessment side, smart contracts can integrate oracles (trusted data feeds) that, for instance, fetch a borrower's latest credit score or employment status and adjust their borrowing limit in real-time. Automated risk flags can be built: if someone's bank data (via Plaid) shows their balance plummeted or their income stopped, the system might pause new lending to them or alert their backers. All of this can be done algorithmically, reducing the need for manual intervention. Importantly, using open-source smart contract templates (like those provided by Compound or Aave for managing lending pools) can jump-start development – these have been battle-tested for handling billions in transactions. The challenge is customizing them for a multi-party, trust-network context, but projects like Trustlines have already written contracts for mutual credit, and Masa is using smart contracts to create on-chain credit identities . Security is paramount here: SCB would need contracts audited to prevent bugs that could be exploited. The benefit, however, is a highly scalable and secure automation – once deployed, smart contracts can run 24/7 facilitating lending across borders with near-zero marginal cost per loan, a stark contrast to traditional banking operations.

In summary, the technology stack for an alternative credit ecosystem like Street Credit Bureau would likely combine fintech APIs (Plaid, MX) for data integration , open analytics and AI for scoring, P2P marketplace frameworks (inspired by Kiva or built on blockchain protocols like Celo or Ethereum) , blockchain/DAO components for governance and trustless automation , and smart contracts to enforce agreements and distribute funds fairly . Many of these components can be leveraged in a cost-effective way (for instance,

using open-source software or existing networks instead of building proprietary systems). This open, modular approach ensures that the credit ecosystem remains interoperable (able to plug into global financial infrastructure) and transparent (with key transactions and decisions auditable on public ledgers), which in turn builds the credibility needed for global recognition.

Case Studies: Alternative Financial Ecosystems in Underserved Communities

Real-world deployments of alternative credit and financial ecosystems provide valuable lessons for Street Credit Bureau. Below, we highlight several examples of how such systems have been successfully implemented in underserved or low-credit communities, and how they incorporate wealth-building and surplus redistribution in their design:

- **Microfinance and Group Lending (Global): The microfinance revolution, spearheaded by organizations like Grameen Bank, Pro Mujer, and FINCA, demonstrated that low-income individuals with no formal credit could achieve high repayment rates through group-based lending. In these models, typically 5–10 women form a group, loans are given to each member for small businesses, and the group jointly guarantees repayment. The social cohesion and mutual support serve as both collateral and credit assessment. *Wealth-building:* As loans are repaid, borrowers graduate to larger loans, allowing them to grow businesses and assets. Many microfinance institutions (MFIs) operate as nonprofits or cooperatives; interest from loans is used to cover operating costs and expand outreach rather than enrich shareholders. For example, the MicroLoan Foundation's "social microfinance" model in sub-Saharan Africa recycles loan repayments into new loans, and emphasizes training and community reputation as part of the program . Some MFIs also pool a portion of client savings into an "emergency fund" for members, essentially a community insurance mechanism – another form of solidarity-based financial support.**
- **Community Development Credit Unions (United States): In the U.S., low-income and marginalized communities have been served by credit unions and Community Development Financial Institutions (CDFIs) that use non-traditional underwriting. For instance, some credit unions accept alternative proofs of creditworthiness such as regular rent payments or documented remittances. They often offer "credit-builder" loans where a borrower's repayments themselves form the collateral (the loan funds are held in a secured account until fully paid, then released to the borrower, thus building a credit history in the process). *Surplus redistribution:* Credit unions are member-owned, so any**

profits are returned to members as dividends or reduced loan interest. This keeps wealth in the community. A case in point is the Mission Asset Fund in California, which formalized ROSCAs (rotating savings and credit associations often used by immigrant communities) into a lending circle program. Participants contribute monthly and take turns receiving a loan; upon successful completion, MAF reports the payment history to credit bureaus – often giving participants their first credit score. This model leverages community trust and ensures that the "cost" of credit (there's typically no interest in these circles) is effectively *zero*, while the benefit (improved credit profile) accrues entirely to the previously unscoreable individuals.

- **Mobile Microloan Ecosystems (East Africa): The widespread adoption of mobile money in Africa opened the door for entirely new lending ecosystems. In Kenya and Tanzania, services like M-Shwari (a partnership between Safaricom's M-Pesa and Commercial Bank of Africa) provide millions of *mobile nano-loans*. Here, alternative data is king: the scoring algorithm evaluates one's history of prepaid phone top-ups, P2P transfers, bill pay through M-Pesa, and savings habits in a mobile wallet. Within seconds, users can get short-term loans right on their phone. These loans are typically small (tens of dollars) and short-term (30 days), but have reached populations that never had bank access. *Wealth and surplus:* While some criticize the high fees of such loans, they have also spurred a culture of saving – M-Shwari requires users to maintain a savings account to qualify for credit, thereby building financial discipline. Another innovative ecosystem is Jumo (in multiple African countries), which partners with telecom companies to offer loans and savings products; it uses AI on mobile usage data and has extended credit to over 18 million people (many first-time borrowers). The interest from these loans partly goes to the mobile operators and lending partners, but there is increasing movement to cap rates and ensure these digital loans don't become predatory. Regulators like Bank of Tanzania have intervened to enforce fair practices and encourage providers to offer restructuring or lower rates to loyal, on-time payers – effectively rewarding good behavior by *redistributing the surplus* back to borrowers in the form of better terms.**
- **Village Savings & Loan Associations (Digital VSLAs in Africa): Village Savings and Loan Associations are self-organized groups in many African rural communities where members save together and lend to each other from the pooled savings. They have traditionally operated with a simple lockbox and notebook. Recently, fintech innovations have digitized VSLAs through mobile apps, making them more scalable. In Ghana, Malawi, and Uganda, research by**

the NGO CARE and others introduced digital ledgers and phone-based reminders to VSLAs . The outcomes were impressive: *"members were up to 85% more likely to have emergency savings"* and saw improvements in household business investment . By being digital, these groups could also link with formal banks (e.g., the group opens a collective account) to secure larger credit lines once they establish a track record. *Wealth-building:* VSLAs inherently promote wealth building by converting small weekly savings into a larger pool of credit for investment. Many VSLAs pay out an "end-of-cycle" lump sum to each member (their savings plus interest earned from group loans) – essentially distributing all surplus interest back to the members according to their contributions. This is a pure form of community wealth redistribution. The digital enhancements simply increase security and transparency, ensuring no one can defraud the group and that every transaction is recorded (often via blockchain or simple databases). An example platform is DreamSave, which digitizes records and uses tablets or phones to help illiterate communities manage funds with biometric logins. The success of these digital VSLAs reinforces the idea that combining traditional community finance mechanisms with technology can yield higher inclusion and resilience.

- **Blockchain-Based Mutual Credit and UBI (Global pilots): On the far innovative end, projects like Circles UBI in Europe/Germany are reimagining community currencies and basic income on blockchain. Circles gives every participant their own personal currency (e.g., "AliceCoin", "BobCoin") which is continuously issued to them as a form of Universal Basic Income . These individual currencies have value only because people trust each other – if Alice trusts Bob, she will accept BobCoin at 1:1 value, effectively endorsing Bob's currency . Through webs of trust, communities form a mutual currency network where everyone gets a baseline income and the system relies on trust to determine whose tokens you accept . The *surplus redistribution* here is explicit: new money is automatically and equally distributed to all members over time (for example, the system might mint a small amount of tokens for each person every week) . This prevents wealth from concentrating, as opposed to mining-based cryptocurrencies where those with more resources can gain more. Though Circles is still in early stages, local communities in Berlin have started accepting Circles tokens for small services, and it serves as an experimental proof that alternative credit (in this case, essentially giving everyone "credit" in the form of UBI tokens) can be combined with built-in wealth redistribution (the inflation of the currency is the tax that funds everyone's UBI equally) . Another example is the Sarafu community currency in**

Kenya, where blockchain vouchers were issued to communities as a form of stimulus; people earned Sarafu by contributing labor to community projects and could spend it at local merchants. This kept resources circulating locally during hard times (like COVID-19 lockdowns) and any outside aid was distributed as Sarafu which then recirculated, amplifying its impact. These blockchain community currencies often have governance via the participants and are designed not to accumulate in a few hands – some impose demurrage (a slight holding fee) to encourage rapid circulation and broad distribution of value.

- **Hybrid Models – Decentralized Credit Bureaus: A final case worth noting is the rise of hybrid models that combine data aggregation with decentralized infrastructure. We discussed Masa Finance earlier – branding itself as the "world's first decentralized credit bureau." Masa allows individuals to link traditional financial accounts (bank, credit bureau data) with crypto accounts to produce a comprehensive credit profile as a DeFi identity . Users can then use this profile to access loans on-chain, while lenders use Masa's on-chain credit score to evaluate risk. Importantly, Masa's approach to surplus/wealth is to *open up* the lending markets that were previously closed: Liquidity providers (anyone with capital) can fund lending pools and earn interest, including higher yields for higher risk (tranching) . This means a broader set of individuals can become investors in credit, not just big banks. It democratizes the *profits of lending*. Likewise, borrowers who improve their on-chain credit score can unlock better rates – a mechanism that effectively keeps "alpha" in the hands of diligent users. Masa, and projects like Bloom and Dock, show that *credit data itself* can be user-owned and portable, and that by decentralizing the credit bureau, you remove the traditional rent-extracting middleman.**

These case studies underline several key principles: *alternative credit ecosystems tend to foster higher inclusion, often achieve strong repayment by leveraging social factors, and crucially, they design ways for the benefits of the system to flow back to the community.* Whether it's interest rebated to group members, basic income tokens for all, or profits shared with network participants, these systems challenge the traditional model where banks and shareholders take the lion's share of gains. They illustrate the real-world feasibility of a community-centric credit model and offer prototypes that Street Credit Bureau can learn from or partner with. For example, SCB could collaborate with existing networks like Kiva (perhaps to provide data or identity verification for borrowers), or integrate with telecom-led credit

scoring in emerging markets, or use platforms like Celo to issue a community currency that ties into credit offerings. Each success story provides building blocks for constructing a globally impactful alternative credit ecosystem.

Blueprint for Street Credit Bureau (SCB): A Global Alternative Credit Ecosystem

Leveraging the insights from the above research, we now outline a clear plan for how the Street Credit Bureau, supported by McCluster Corp, can position itself as a globally recognized alternative credit ecosystem. The SCB initiative will integrate the best practices of alternative scoring, utilize cutting-edge yet affordable technology, and embed a community-first approach to truly empower individuals as lenders and borrowers. The roadmap is structured into key pillars:

1. Inclusive Credit Scoring Model with Rich Alternative Data

SCB's credit scoring will cast a wide net, incorporating the most predictive alternative variables to evaluate borrower trustworthiness. This means going beyond the three-digit credit score to a "Street Score" or similar metric that dynamically reflects a person's financial behaviors and social capital. Key data points to include from day one:

- **Payment histories for rent, utilities, mobile phone bills, insurance premiums, and other recurring obligations (these indicate reliability and *ought to be counted*, as recommended by global policymakers). SCB will partner with services (or use open banking) to let users easily contribute these records. For example, a user could link their utility account via an API or upload proof of 12 months of rent payments – immediately earning credit in their profile for positive behavior.**
- **Bank account cash-flow data for those with bank accounts: analyzing income consistency, expense patterns, and savings rates. This provides a forward-looking view of repayment capacity. Modern "cash-flow underwriting" has been shown to safely lend to thin-file customers by looking at these metrics .**
- **Mobile money and telecom data: In many developing markets, this will be the primary data. SCB can pursue data-sharing agreements with telecoms/ mobile money providers (similar to the MTN-TransUnion model in South Africa) . Alternately, SCB could encourage users to self-report or connect their mobile wallet transaction histories. A history of regular airtime top-ups or peer payments can significantly boost one's Street Score.**
- **Community-Endorsed Data: SCB will introduce a structured way for**

community participation in credit assessment. This could include peer endorsements (e.g., a feature where existing trusted members can write a short recommendation for a new borrower, or cosign a trust statement), community ratings (after transactions or repayments, parties rate each other, akin to rideshare ratings, feeding into reputational scores), or group memberships (verification that someone is a member in good standing of a known local cooperative, trade union, or community organization could be a plus factor). By quantifying *"community reputation"*, SCB differentiates itself from any traditional bureau. This also encourages users to build a positive presence in the ecosystem, knowing that being helpful and trustworthy will be recognized.

- **Psychometric/Behavioral insights: As an optional layer (particularly for borrowers who lack other data), SCB can offer a gamified psychometric quiz via its app, whose results contribute to the score. Questions would be designed based on research-backed models to gauge traits like conscientiousness, honesty, perseverance, etc., which correlate with creditworthiness . This approach opens credit access to young entrepreneurs or others who have little financial history but demonstrate strong personal reliability. SCB can collaborate with researchers or license question sets from proven psychometric lending programs to implement this ethically and fairly.**
- **Traditional Data Integration: To gain global recognition, SCB's model will not ignore traditional data where available. Instead, it will *complement* and *extend* it. For example, SCB can integrate with existing credit bureaus via APIs to fetch any official credit score or history for a user (with consent), and then layer alternative data on top. This hybrid approach ensures that SCB's scores are comprehensive. A user with a high FICO and good alt-data might be extremely low risk (so SCB could facilitate very low interest for them), whereas a user with no FICO but good alt-data should still get a chance (something a traditional bureau wouldn't give). In markets like the US, SCB could even help "upgrade" traditional scores – similar to Experian Boost but broader, SCB could report its alternative data-derived score to mainstream bureaus or lenders, pushing the industry to accept it as a supplemental metric.**

To implement this scoring, SCB can utilize machine learning models trained on a growing dataset of repayments and behaviors. It will be critical to continuously monitor for bias and fairness – ensuring the algorithm does not inadvertently disadvantage any group (e.g., ensure that using social data or employment data doesn't introduce bias against women or minorities, an issue

highlighted in gender-focused research). The fact that SCB is a nonprofit and mission-driven can guide it to err on the side of inclusion. We will also adopt transparent model governance, perhaps publishing an annual impact report showing how alternative data improved inclusion (for example, "X thousand people with no prior credit score were able to get loans thanks to our alternative scoring of their rent and utility history"). Over time, as SCB's Street Score gains acceptance, it could become a *recognized alternative credit score* referenced by lenders worldwide. Just as Microfinance Institutions gradually proved that their clients were creditworthy, SCB will generate data to prove that its scores predict defaults as well as (or better than) traditional scores for the segments it serves. This will be our value proposition to financial partners: "We can reliably score the unscorable."

2. Peer-to-Peer Lending and Community Financing Mechanisms

At the heart of SCB's ecosystem will be a peer-to-peer lending platform called, for example, the *Street Lending Marketplace*. This is where everyday individuals with excess funds can directly lend to those who need funds, facilitated by SCB's data and smart contracts. Key elements of this pillar:

- **Global P2P Market with Local Options: The platform will operate globally, allowing cross-border lending (via stablecoins or local-currency partner integrations), but it will also encourage local lending pools. For instance, a city or community could have its own lending circle or liquidity pool within the platform, so local money can support local projects (keeping wealth local). Everyday people – whether a shopkeeper in Nairobi or a teacher in New York – can participate with small amounts, just like Kiva's model of $25 loans . But unlike Kiva, SCB could offer modest interest to lenders (except where prohibited) to incentivize participation while still keeping loans affordable to borrowers. The interest rate structure will be transparent and based on the Street Scores (lower risk scores -> lower interest, higher risk -> higher interest, with caps to prevent usury).**
- **Trust Network and Social Collateral: SCB will implement a trust network layer, inspired by the DCSocial and Trustlines approach . Users will be able to form "trust connections" by mutually agreeing (digitally) that they trust each other for a certain amount. These trust ties serve as social collateral. If Alice trusts Bob for $500 and Bob trusts Carol for $300, then Alice effectively can lend to Carol up to $300 through Bob acting as guarantor. The system will automatically route such multi-hop loans if needed, expanding credit access**

beyond one's immediate circle . To make this safe and attractive:

- **SCB will likely start with one-hop or two-hop networks (to keep chains short and understandable for users).**
- **Those who act as guarantors or intermediaries (the "connectors") will earn a fraction of interest as a fee for their service/risk .**
- **If a borrower defaults, the immediate trust connections who vouched would take on the obligation (this mimics cosigning or group liability, but distributed). SCB can mitigate pain by perhaps having a Community Guarantee Fund (see surplus mechanisms below) that covers a portion of losses so individuals aren't bankrupted by helping others.**
- **This approach means anyone can be a micro-underwriter – if you trust your friend and they need a loan, you can leverage the whole network's capital for them by vouching, instead of solely lending your money. It empowers knowledgeable community members (who truly know the character of borrowers) to be the gatekeepers of credit, rather than distant bankers with only paperwork. Essentially, SCB formalizes the role of *"character references"* in lending – turning personal trust into a currency.**
- **Smart Contracts & Automation: All loans made on the platform will be governed by smart contracts. A user-friendly app interface will hide the blockchain complexity, but under the hood, when a loan is funded, a smart contract holds the terms. Repayments might be auto-debited via linked accounts or sent by borrowers through mobile money, which then trigger the contract to pay out to lenders and intermediaries. If a payment is missed, the contract can automatically notify the guarantors or even pull from a staked collateral (if any was put up). Automating these steps keeps costs minimal and ensures fairness (no favoritism, and no delays). Moreover, SCB can integrate risk assessment triggers: for example, if a borrower's Street Score drops significantly (perhaps due to new negative data), the system might restrict them from taking new loans until issues are resolved. Conversely, if they repay consistently and their score improves, smart contracts could automatically increase their credit limit or decrease their interest rate for future loans – *real-time updates* that traditional systems rarely offer. These dynamic adjustments reward good behavior quickly, reinforcing positive cycles.**
- **Regulatory Compliance and Local Partnerships: Money lending is regulated, so SCB will navigate this by partnering with local entities or operating in sandbox environments initially. For instance, in the U.S., SCB could partner with a CDFI or use a framework like Regulation Crowdfunding to allow many small lenders to fund loans. In developing markets, SCB can seek**

central bank innovation sandbox approvals – as noted, countries like Mexico and Kenya have used sandboxes to safely trial fintech innovations in inclusion . We will leverage McCluster Corp's nonprofit status and SAM.gov credentials to approach governments and international organizations, presenting SCB as an allied solution to their financial inclusion goals (aligning with things like the G20 Global Partnership for Financial Inclusion, etc.). Being proactive on the regulatory front will help SCB gain legitimacy and avoid shutdowns. The technology choices (like using KYC/AML compliance layers for identity verification on the platform) will ensure SCB can interface with the formal financial system.

3. Empowering Governance and Community Ownership

A core differentiator for SCB will be its governance and ownership structure, ensuring it *truly* remains an alternative to the traditional, profit-driven credit institutions:

- **Nonprofit & Cooperative Structure: McCluster Corp already provides a nonprofit backbone. SCB can be structured such that users (borrowers and lenders) can become members of the cooperative with a nominal fee or by holding a governance token issued when they join. This means *one member, one vote* (or a balanced system) on major decisions. For example, members could elect a Board of community representatives annually. This user-centric ownership will be highlighted in all branding – building trust that "this is *your* credit bureau," accountable to the people it serves, unlike the big three bureaus that often operate opaquely. Early on, we may have a founding team setting things up, but as soon as feasible, we'll shift to member governance for sustainability.**
- **Tokenized Governance and Incentives: We will likely introduce a Street Credit Token (SCT) or similar, which has two purposes: governance voting power and possibly a share in ecosystem rewards. Active participants (those who lend, those who borrow responsibly, those who help others by cosigning or referring) could earn SCT as a reward. Holding SCT could give a user voting rights in proposals (like adjusting the interest rate formula, deciding on new features, or electing a council). This token could also entitle holders to a share of network surplus (explained below) or simply serve as a reputation token (non-transferable in that case). By distributing tokens to the most helpful participants, we ensure power is distributed to those who contribute to the ecosystem's success, not just outside investors. However, since SCB is nonprofit, the token model would be carefully designed to avoid speculation**

and focus on utility/governance.

- **Community Voting on Key Decisions: Using governance tools (potentially on a blockchain like an Ethereum sidechain or a dedicated DAO platform), SCB will let members vote on key policy decisions. For example, the community might vote on the maximum interest rates allowed (perhaps choosing to cap it at, say, 10% APR to keep loans affordable). They could vote on launching in new regions or supporting new types of loans (e.g., education loans, climate-friendly product financing). They might decide how to allocate a community development fund (more on that shortly). By involving users in decision-making, we not only crowdsource wisdom but also build buy-in – people are more likely to support and promote a system they have a say in. With modern tools, votes can be held securely and transparently. We will also maintain open channels (forums, townhalls) for discussion, emulating the open-source software community governance style.**
- **Transparency and Data Openness: SCB should publish data about its performance and impact openly (while protecting personal info). Key metrics like default rates, average cost of credit, number of unbanked users served, community wealth generated, etc., will be shared. We could even have a real-time dashboard (non-identifiable stats) on the platform. All smart contract code will be open source and possibly the credit scoring algorithms (except parts that could be gamed if fully exposed – those we at least describe at high level). This transparency will further position SCB as *the people's credit bureau*, in contrast to traditional bureaus that are black boxes for consumers. If users can see how the sausage is made, they can trust the process and even suggest improvements.**

4. Surplus & Wealth Redistribution Mechanisms

A defining mission of SCB is to build community wealth and not concentrate profits. Here's how the model will channel funds in an equitable way:

- **Affordable Credit, Sustainable Returns: Loans through SCB will be far cheaper than typical microcredit or informal lending. By cutting out multiple intermediaries, we envision interest rates that are a fraction of what payday lenders or even MFIs charge in many markets (which can be 30-100% APR). We aim for single-digit interest rates for most borrowers (adjusted for local inflation), possibly 5-15% APR on average, and near 0% for highly trusted borrowers (like Kiva's 0% model for special cases). Lenders (individuals) would receive that interest as return. While lower than market returns, we**

believe many will participate for social good with modest yield as a bonus. Moreover, by utilizing trust guarantees, we mitigate default risk, which should keep net returns attractive relative to, say, bank savings rates. The spread – the difference between borrower rates and what goes to lenders – will be minimal, just enough to cover platform costs and reserves. There are no fat corporate margins or exorbitant executive bonuses siphoning off value.

- **Community Reserve and Guarantee Fund: We will set aside a small percentage of each loan's interest into a community reserve fund (a kind of insurance pool). For example, if a borrower pays 6% interest, perhaps 5.5% goes to the lenders/guarantors and 0.5% goes into the reserve. This fund will cover any losses from defaults, especially to protect small lenders from losing principal, and to reimburse guarantors who stepped in. In essence, it socializes the rare losses across the whole community, which is manageable if defaults are low (historical microloan defaults are often under 5%). Any surplus in this fund can be redeployed for community benefits – e.g., funding financial literacy programs, seeding new loans to the neediest (zero-interest community loans for the extremely poor), or increasing the reserve coverage. The community can vote on how to utilize the reserve surpluses, effectively turning it into a common wealth pot.**
- **Interest Redistribution: As noted, when multiple people help enable a loan (through multi-hop trust or co-guarantee), the interest paid gets split among them . This is a built-in wealth-sharing: instead of a bank taking all interest, it's distributed to the peers who made the loan possible. In SCB, if a loan is direct one-to-one, the lender gets (almost) all the interest (minus a tiny platform fee/reserve). If a loan goes through a chain (say A -> B -> C where B connected A and C), both A (lender) and B (connector) earn portions. This means active community members can earn extra income by leveraging their trust networks – *a new form of livelihood*. One could almost be a community credit facilitator and get compensated for it, much like local loan agents but without exploitative practices. This empowers people to monetize their good judgment and social connections in a positive way.**
- **Rewards and Dividend to Members: If the platform does generate net revenue (for instance, via grants, or a small fee on outside institutional capital that might eventually co-invest), those profits will recycle to the members. As a nonprofit, SCB can pledge that any surplus after expenses and loan-loss provisions will go either into lowering interest rates further, expanding to serve more excluded communities, or directly shared with users (perhaps as bonus credits or token buybacks). We will not seek to maximize profit – we'll seek to**

maximize impact and then ensure any financial surplus contributes to the mission. For example, SCB could declare an annual dividend for all borrowers who paid on time, effectively giving them a rebate – akin to how some insurers give no-claims bonuses. This could be in the form of an interest rebate or a contribution to their savings. Such practices reinforce loyalty and trust in the system, and *pass on efficiencies back to the people*.

- **Empowering Local Entrepreneurs and Keeping Wealth Local: Because SCB facilitates local lending pools, a greater share of interest payments can stay within communities. For instance, if residents of a town fund each other's loans for home improvements or businesses, the interest one person pays is actually income to their neighbor, not siphoned to Wall Street. This is essentially a "community bank" model but without brick-and-mortar costs and with far broader participation. Over time, we expect to see micro-investors on the platform using their interest earnings to further invest or spend locally, thus stimulating local economies (a virtuous cycle). Also, entrepreneurs who borrow to start businesses will hopefully create jobs and services in their community, fostering local economic development in alignment with SCB's social goals.**

5. Positioning, Partnerships, and Global Recognition Strategy

To become a globally recognized alternative credit ecosystem, SCB must actively position itself in the international finance and development arena as well as earn grassroots credibility. The plan includes:

- **Align with Global Initiatives: We will frame SCB's mission in terms of the United Nations Sustainable Development Goals (SDGs), specifically SDG 1 (no poverty), SDG 8 (decent work and economic growth – via financial inclusion), and SDG 10 (reduced inequalities). By collecting data on how many unbanked people get their first loans or how incomes improve, we can demonstrate impact. We will seek partnerships with organizations like the World Bank, IFC, UNCDF, and global NGOs working on financial inclusion. For example, sharing our alternative credit approaches at forums (the Alliance for Financial Inclusion, G20 GPFI, etc.) will put SCB on the map as a thought leader. McCluster Corp's nonprofit status and SAM.gov registration are assets here – we can apply for grants or pilot programs. A possible early goal: get SCB involved in a regulatory sandbox program in a major emerging market (perhaps India's or Indonesia's) to officially test the model under government oversight . Success there would make it easier to be recognized in other countries.**

- **Local Outreach and Education: To truly empower individuals, we need to earn their trust and understanding. SCB will invest in financial literacy and community outreach. We'll work with local community organizations, cooperatives, and even religious or social groups to introduce the concept of alternative credit scoring and P2P lending. By conducting workshops that explain how paying your utility bill or helping a neighbor can eventually get you a loan, we demystify the process. We will also highlight success stories: e.g., "Meet Jane: with no credit score she linked her rental history and got a microloan to start a bakery; today she expanded and now her community trusts her for bigger loans, all thanks to SCB's Street Score." Real human stories will drive adoption. We may start with a few target communities (say, one city in the US for immigrant entrepreneurs, one rural region in Africa for small farmers, etc.) and create centers of excellence that become proof-of-concept showcases for others.**
- **Technology and Trust Infrastructure: Being on the blockchain, if we choose to emphasize that, can help gain trust in the system's integrity (no tampering, transparent rules). However, many users may not care about the backend tech as much as the reliability and ease of use. So we'll stress that SCB is built on secure, cutting-edge infrastructure (like how some projects are audited and open source – we'll get security audits and promote that). We might also pursue certifications or endorsements (for instance, if our credit scoring AI is proven fair by an academic partner, or if our data privacy approach is certified compliant with GDPR and other laws – demonstrating that alternative data is handled responsibly and ethically, a crucial point since we're dealing with sensitive personal info).**
- **Partnerships with Traditional Players: Interestingly, SCB should not position itself as *anti*-bank or *anti*-bureau, but rather as an augmenting and reforming force. We can partner with progressive banks or fintechs that want to serve new markets. For example, a digital bank might use SCB's Street Score to approve customers that their normal model rejects – effectively outsourcing that segment's risk assessment to us. Traditional credit bureaus might even incorporate our data (Experian Boost has already started down that road; perhaps Experian or TransUnion could ingest SCB's alternative credit score for thin-files in certain countries). By collaborating, we increase recognition. That said, SCB will remain independent to ensure our model isn't co-opted by for-profit motives. We will likely partner as well with employers and merchants: employers could use SCB scores to offer salary advances or employment verification to boost credit, and merchants could both accept community**

currency (if we go that route) and share sales receivables data that help their customers' credit profiles (much like how suppliers sometimes report trade credit).

- **Media and Advocacy: Finally, to challenge traditional institutions, SCB will highlight narratives about the *inequities of the old system* and how community-based credit is changing lives. We will publish white papers (like this one), policy briefs (for lawmakers to consider regulatory support for alt data use), and maintain an active media presence. For example, showing how women and marginalized groups benefit from alternative credit (citing evidence that women have lower default rates yet often pay higher interest under traditional systems) can rally public and political support. The more people hear about successful outcomes – *everyday individuals becoming lenders, communities funding their own, and people once excluded building wealth* – the more legitimacy SCB gains. Over time, our goal is that "Street Score" or "Street Credit" becomes synonymous with a new breed of credit system, one that even traditional players acknowledge. If, for instance, large institutions start referencing SCB's data to validate thin-file customers, that's a sign of recognition.**

To summarize the plan: Street Credit Bureau will combine the power of alternative data, peer networks, and decentralized tech to create a self-sustaining, community-owned credit ecosystem. By doing so, it empowers everyday people on both sides of the credit equation – turning savers into investors and unbanked borrowers into creditworthy entrepreneurs – thereby *keeping financial value within communities*. The model inherently challenges traditional banks and bureaus: it proves that trust and data from the "street" (the community level) can be as potent as formal credit reports, and that lending can be done without funneling all profits to big financial firms. Instead, the value circulates among the people generating it.

In essence, SCB aims to democratize credit the way the internet democratized information – making it accessible to all, governed by its users, and leveraged for the common good. We will know we've succeeded when a farmer in a remote village can get a loan based not on a bureaucratic file but on her *reputation for keeping her promises*, when a school teacher's timely bill payments help him borrow to buy a home even if he has no credit card, and when communities can say their wealth grows from within rather than leaking out as interest to distant banks. Street Credit Bureau, with McCluster Corp's

support, is positioned to be a global trailblazer in this movement, uniting technology with the age-old concept of trust to build an inclusive financial future.

Sources:

- **Alliance for Financial Inclusion (2025). *Alternative Data for Credit Scoring – Special Report*. (Examples of alternative data types like utilities, e-commerce, social media, psychometrics, and policy recommendations for MSME credit) .**
- **Stripe (2024). *Alternative credit data 101: What it is and what it's used for.* (Overview of alternative credit data types and benefits; notes that 62% of institutions use alt data; highlights use of rent, utilities, phone bills, etc. as predictors) .**
- **World Bank Blog (2023). *Is the proliferation of alternative data making credit bureaus extinct?* (Discusses how alternative data expands inclusion and improves scoring accuracy) .**
- **T20 Saudi Arabia (2024). *"Beyond collateral: Community-driven alternative credit systems for women's financial inclusion."* (Provides case studies: mobile phone data used for scoring via MTN/TransUnion, digital VSLAs improving outcomes by 85% savings, psychometric lending improving women's borrowing by 30%, etc.) .**
- **DCSocial (2025). *"Your Trust Network Is Your Bank — Here's How It Works."* (Medium article describing a mutual credit network: trust-based lending, multi-hop loans, interest split among community participants, examples from the Philippines, etc.) .**
- **Fazekas, L. (2024). *"Beyond Bitcoin: Trust-based Currencies"* – Coinmonks/Medium. (Explains Trustlines Network and Circles UBI: how transitive trust allows global lending without banks, each person having their own currency and receiving UBI, trust determining acceptance, and equitable distribution) .**
- **Fintech Futures News (2022). *"Masa Finance... First Decentralized Credit Bureau."* (Press release on Masa: aggregating 10k+ off-chain data sources across 78 countries into on-chain credit score NFTs; built on Celo/ Ethereum; enabling hybrid credit scores for DeFi) .**
- **EatTheBlocks (2022). *"Introduction to Celo Blockchain."* (Describes Celo's mobile-first features: phone number identity, mapping contacts, paying fees in stablecoin; mentions building reputation via transactions to enable credit and insurance) .**

- **Wikipedia – *Kiva (organization)*. (Statistics on Kiva's impact: 1.6M loans, $1.68B lent, 96.3% repayment, 2M+ lenders worldwide; illustrating scale of P2P micro-lending) .**
- **Goldfinch – Coinmonks (2025). *"DeFi Weekly: Goldfinch — Crypto Capital to Emerging Markets."* (Details Goldfinch's model of undercollateralized lending: "trust through consensus" with auditors/backers instead of collateral; $100M+ deployed in 18 countries; demonstrates decentralized credit for the underserved) .**
- **Experian (2024). *Consumer Education Resources*. (Details on Experian Boost, rent reporting benefits, etc., indicating mainstream adoption of adding rent/utility data to credit files) .**
- **MicroLoan Foundation (n.d.). *"A truly social microfinance model."* (Referenced via AFI report for use of community reputation in credit assessments) .**
- **Plaid (2025). *Developer Documentation / Coverage*. (States Plaid connects to 12,000+ financial institutions and powers 8,000+ apps; demonstrating capability for broad banking data integration) .**
- **Additional internal research and analysis combining multiple sources as cited above, as well as conceptual frameworks from financial inclusion literature .**