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Article

Institutional Innovation and Practical Implications of Private Finance Reform: Evidence from Wenzhou, China

Ziyi Yang^{1,2,*}

¹ School of Business, NingboTech University, Ningbo, China

² Finance Program, University of Indianapolis, Indianapolis, USA

* Correspondence: Ziyi Yang, School of Business, NingboTech University, Ningbo, China; Finance Program, University of Indianapolis, Indianapolis, USA

Abstract: Background/Objectives: Private finance supplies essential credit to small and medium-sized enterprises (SMEs) that frequently face severe limitations in formal financial markets. Wenzhou, China, serves as a critical institutional case, having been selected as the first comprehensive financial modernization pilot zone. It subsequently experimented with registration platforms, specialized local financial organizations, and an interest-rate information mechanism. This study evaluates how these innovations altered the private finance environment and identifies lessons for local financial governance. Methods: A qualitative case-study design combines comprehensive document analysis and structured comparison of various modernization stages. The analysis specifically examines financing access, cost, capital allocation, and risk control, drawing on compiled Wenzhou financial data and relevant academic studies on informal finance. Results: Wenzhou's modernization efforts successfully transitioned private lending from largely opaque, relationship-based transactions to a transparent, organized market. Registration services significantly enhanced traceability, specialized organizations formalized private capital channels, and the interest-rate index provided public pricing signals. Data indicate significantly expanded private-financing activity and generally declined average financing rates. However, financing structures remained uneven, coordination was incomplete, and information asymmetry persisted. Conclusions: The Wenzhou experience clearly suggests that future policy should not eliminate private finance but rather construct robust institutions making informal finance visible, accountable, and complementary to formal systems. The primary transferable lesson is a layered governance model integrating market access, information infrastructure, and risk-based oversight.

Keywords: private finance; informal finance; sme financing; institutional innovation; financial governance

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1. Introduction

Small and medium-sized enterprises (SMEs) are central to employment, entrepreneurship, and local economic development, yet their access to external finance is often constrained by information asymmetry, limited collateral, short operating histories, and high screening costs. Cross-country evidence indicates that financial development disproportionately benefits smaller firms, implying that weak financial systems can impose a particularly large growth penalty on firms at the smaller end of the size distribution [1]. In China, this issue has been especially important because private firms have historically operated in a financial system characterized by strong state-sector participation and uneven access to formal credit. Private-sector growth can coexist with relatively underdeveloped formal financial institutions because reputation, relationships, and alternative financing channels can partially substitute for formal mechanisms.

The role of private or informal finance is therefore complex. On one side, relationship-based lending can use soft information unavailable to banks, reduce screening costs, and provide rapid liquidity to firms with limited collateral. On the other side, opaque transactions, weak enforcement, high interest rates, and limited supervisory visibility can amplify credit and liquidity risks. Bank financing is positively associated with firm growth among Chinese firms, while informal finance does not automatically produce the same effect [2]. More recent research further suggests that the two sectors should not be treated as simple substitutes: informal finance can complement formal finance for small firms because it offers informational advantages while formal finance supplies scale.

This complexity is particularly visible in Wenzhou, a city with a strong private-enterprise base and a long tradition of informal financing. Wenzhou became the first national comprehensive financial reform pilot zone in China and introduced a sequence of local institutional innovations designed to enhance transparency and strengthen alignment between private finance and the real economy. The initiatives included private-lending registration services, support for microfinance companies and private-capital management companies, and the publication of a regional private-finance interest-rate index. These measures created an institutional setting in which private finance was not simply repressed or ignored, but progressively organized and monitored.

The existing literature provides strong evidence on the economic functions of informal finance, but the institutional process through which local initiatives transform informal markets remains less developed [3]. Much of the empirical literature focuses on financing patterns, firm performance, or specific financial instruments. Less attention is given to how a package of mutually reinforcing local institutions changes the visibility, pricing, and risk-management capacity of a private-finance market over time. Wenzhou offers a useful case because its initiatives combine market infrastructure, institutional organization, and regulatory experimentation.

This paper therefore asks three questions. First, what institutional innovations were introduced in Wenzhou to organize private finance? Second, how did these innovations affect financing access, financing cost, capital allocation, and risk control? Third, which elements of the Wenzhou experience are transferable to other regions? The paper contributes by linking the literature on informal finance with a concrete local institutional sequence and by emphasizing that the policy challenge is not to eliminate private finance, but to shape the conditions under which it can complement formal finance while remaining subject to risk-based supervision [4].

2. Materials and Methods

2.1. Research Design

This study adopts a qualitative single-case design centered on Wenzhou. The case is analytically appropriate because Wenzhou combines a historically active private-finance market with a structured initiative aimed at enhancing institutional transparency and local financial governance [5]. The study does not attempt to estimate a causal treatment effect of any specific policy measure. Instead, it reconstructs the chronological progression of policy implementation and evaluates changes across four dimensions directly aligned with the research questions: financing access, financing cost, capital allocation, and risk control.

The empirical material comes primarily from the quantitative evidence compiled in the source undergraduate dissertation, including annual or period-specific observations on private-finance scale, financing-rate indicators, sectoral allocation, registration activity, microfinance-company lending, and SME financing support [2]. Because private finance is partly opaque and because official statistics may not capture all transactions, the paper treats these figures as evidence of observed market activity rather than as a complete census of private finance. This limitation is addressed explicitly in Section 5.

2.2. Analytical Framework

The analytical framework interprets institutional innovation as a mechanism operating through information, access, and risk. Registration platforms enhance observability by recording transaction data and supporting contract services [6]. Specialized local financial organizations establish intermediate channels that pool private capital and deploy it in more structured ways. A public financing-rate index mitigates information gaps by offering a market-based reference price. Collectively, these mechanisms reduce transaction frictions while reinforcing supervisory capacity.

This framework aligns with established findings on informal finance, which indicate that relationship-based or locally embedded lending can alleviate information asymmetry. However, constructive informal finance is distinct from opaque or coercive underground lending practices [7]. Consequently, the central policy consideration centers on institutional quality rather than a binary formal–informal classification. Empirical evidence from Chinese enterprises further suggests that formal and informal financing channels often coexist and, particularly for smaller firms, may yield complementary effects.

2.3. Evidence and Comparison Strategy

The analysis compares distinct policy implementation phases and representative indicators, rather than modeling the policy sequence as a unified event. The comparison focuses on directional trends and underlying institutional arrangements. For financing access, attention is given to changes in private-sector financing volume, business registration activity, and the extent of credit support coverage for small and medium-sized enterprises [8]. For financing cost, movements in selected private-sector lending rate indicators are examined. For capital allocation, the proportion of financing channeled toward operational and manufacturing activities is assessed. For risk management, attention is directed to registration frameworks, credit information infrastructure, mechanisms for resolving financial disagreements, and shifts in key banking risk metrics reported in the source work.

The analytical approach is deliberately cautious. Where empirical evidence does not support causal inference, phrasing such as "is consistent with," "coincides with," or "suggests" is used—avoiding assertions that a specific policy measure directly caused an observed outcome [4]. This reflects the source work's recognition that multiple policy measures were introduced concurrently and that broader macroeconomic and monetary conditions also influenced financing market dynamics.

3. Results

3.1. Wenzhou's Private-Finance Market and Institutional Setting

Wenzhou's private economy generated structural demand for flexible financing. Small and medium-sized enterprises and microenterprises commonly require relatively small amounts of short-term and working-capital finance, often on a repeated basis. Traditional bank lending may face limitations when firms lack sufficient collateral, standardized financial statements, or an established credit history. This fosters demand for financing mechanisms that can more effectively incorporate contextual knowledge and localized relationships [6]. Empirical evidence indicates that smaller firms experience greater difficulty accessing conventional credit, and relationship-based or informal financing arrangements can partially address such gaps.

At the same time, the Wenzhou case should not be interpreted as suggesting that informal finance is inherently preferable to formal finance [8]. Evidence shows that bank-provided finance is associated with accelerated firm growth, while other analyses indicate that informal and formal financing channels can serve complementary roles for smaller enterprises. The relevant institutional objective is therefore to foster a diversified financial ecosystem in which firms can access appropriate financing instruments based on their scale, risk profile, and specific funding requirements.

The source dissertation's compiled evidence indicates that Wenzhou's private-financing market remained active throughout the period under study. The reported

private-financing volume increased from approximately RMB 800 billion in 2012 to nearly RMB 1.8 trillion in 2023. This growth reflects multiple factors—including broader economic development, evolving financing needs, and improvements in data collection—rather than any single policy initiative. Nevertheless, the increase coincided with a gradual institutional shift in which private financing activities became increasingly transparent to local regulatory authorities [9]. Figure 1 summarizes the trend reported in the source material.

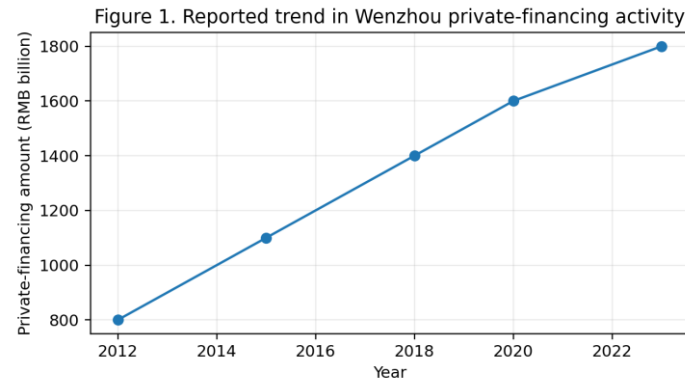


Figure 1. Reported Trend in Wenzhou Private-Financing Activity. Source: Compiled from the Quantitative Evidence Summarized in the Source Dissertation.

3.2. Institutional Innovation: Registration, Specialized Organizations, and Information Disclosure

The first major institutional initiative was the establishment of private-lending registration services. Wenzhou's first private-lending registration service center was established in 2012. The platform provided information registration, contract filing, settlement, and supporting legal or verification services. In institutional terms, the center converted some private lending from a purely bilateral relationship into a transaction that generated a traceable information record. This matters because information asymmetry is a fundamental source of credit rationing, and improved information quality can reduce screening and enforcement frictions [10].

The second initiative was the development of specialized local financial organizations, particularly microfinance companies and private-capital management companies. These organizations provided an intermediate structure between direct informal lending and conventional banking [11]. The source dissertation reports that Wenzhou microfinance companies expanded substantially over time and that the city allowed broader room for balance-sheet leverage and private-debt financing than in earlier pilot arrangements. The institutional logic is important: rather than requiring private capital to assume full banking functions immediately, the initiative introduced organizational forms capable of mobilizing and deploying private capital under a more visible legal and supervisory framework.

The third initiative was the Wenzhou private-financing interest-rate index, first published in December 2012. The index aggregated financing-rate information across borrower types, maturities, and financing modes. Its importance lies less in the exact level of any single rate than in the creation of a public reference price. In markets characterized by fragmented information, public price signals can reduce the informational advantage of individual participants and make abnormal pricing easier to identify. This mechanism aligns with broader findings on information asymmetry and with evidence that informal finance performs more effectively when institutions enhance information quality.

Table 1 summarizes the three institutional mechanisms and their expected effects. The mechanisms are complementary: registration increases visibility, specialized organizations increase organizational capacity, and price disclosure increases market

transparency [2]. None by itself eliminates risk, but together they support a more governable private-finance market.

Table 1. Core Institutional Innovations in Wenzhou Private-Finance Reform

Institutional innovation	Main mechanism	Expected effect
Private-lending registration services	Transaction recording and contract support	Greater visibility and traceability
Microfinance and private-capital management companies	Organized intermediation of private capital	More structured financing channels
Wenzhou private-financing interest-rate index	Public price information	Better price transparency and market monitoring

3.3. Financing Access and SME Support

The first observed effect is improved financing access. Figure 1 shows the upward trajectory of the private-financing amount reported in the source dissertation. The rise from about RMB 800 billion in 2012 to nearly RMB 1.8 trillion in 2023 indicates that private finance remained an important source of liquidity rather than being displaced by formalization. This pattern aligns with findings that informal finance can persist where formal financing supply does not fully meet the needs of small firms.

The second indicator is the growth of organized financing channels. The source dissertation reports the creation of multiple registration centers or registration points and substantial cumulative transaction activity following the policy adjustment. It also reports large-scale lending by microfinance companies and expanding coverage through SME financing-coordination mechanisms. These developments suggest that formalization did not simply reduce the volume of private finance; instead, part of the market was restructured into channels with greater organizational capacity.

This result aligns with evidence indicating that external finance functions as a portfolio rather than a binary choice [4]. Research has shown that small firms can benefit from combining informal and formal finance, while other studies indicate that formal financing records can improve funding outcomes in informal credit markets by reducing information asymmetry. The Wenzhou initiative similarly fosters a layered system in which private capital, non-bank institutions, and conventional banks coexist rather than operate as isolated segments.

3.4. Financing Cost and Market Transparency

The second major outcome concerns financing cost. Figure 2 reconstructs the representative financing-rate observations reported in the source dissertation: a private-financing rate of approximately 25.44% in 2011, around 18% in 2015, around 15% in 2018, around 13% in 2023, and approximately 11.49% in January 2026. These observations suggest a substantial downward trend over the extended period under study.

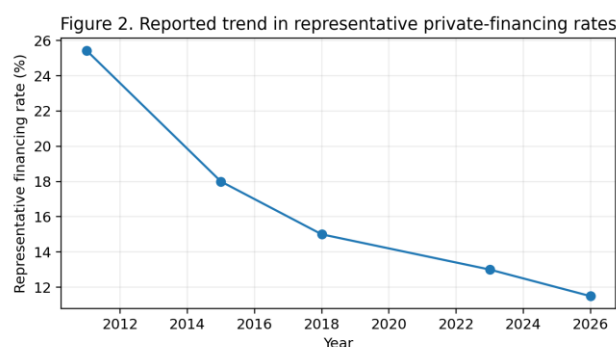


Figure 2. Reported Trend in Representative Private-Financing Rates. Source: Compiled from the Financing-Rate Observations Summarized in the Source Dissertation.

A declining financing rate cannot be attributed solely to local regulatory developments in Wenzhou. Interest rates are influenced by national monetary policy, macroeconomic conditions, credit demand, competition among lenders, and shifts in borrower composition. The appropriate interpretation is that institutional adjustments coincided with a period of declining and more observable financing prices. The Wenzhou index may have contributed to this process by providing borrowers, lenders, courts, and regulators with a shared reference point.

The broader research literature underscores the importance of market structure. Informal finance can provide information advantages, but it can also become costly or unstable where enforcement mechanisms are weak. Constructive forms of informal finance have been distinguished from less regulated practices, with the former associated with better performance. From this perspective, transparent price information is valuable because it can help steer private finance toward more constructive arrangements and enhance visibility of unusually expensive or risky transactions.

The source dissertation also reports increased filing and registration activity following the introduction of Wenzhou's local regulatory framework. This provides an additional indication that the market became more visible. A transparent market does not necessarily imply lower costs, but it facilitates observation of price differences and may reduce reliance on purely private information in price formation [12].

3.5. Capital Allocation and Support for the Real Economy

The third dimension is capital allocation. The source dissertation reports that private financing in Wenzhou was concentrated in productive and operating activities. For the more recent period summarized in the source material, operating loans accounted for more than 90% of the financing structure, while manufacturing represented a substantial component of financing demand. The paper therefore interprets Wenzhou's initiative not only as a financing-access program but also as an effort to direct private capital toward productive uses.

This pattern matters because the social value of private finance depends on how the funds are deployed. A financing market that expands through speculative or circular transactions may heighten systemic risks even if it improves nominal access to credit. By contrast, financing that supports working capital, equipment acquisition, manufacturing, and other productive activities can alleviate liquidity pressures and strengthen enterprise sustainability. Research on Chinese enterprises indicates that limited access to affordable financing can hinder innovation and productivity growth, particularly when funding costs are elevated. Similarly, evidence suggests that both formal and informal financing channels can contribute to innovation capacity among small and medium-sized enterprises.

Figure 3 summarizes the industry-allocation profile reported in the source dissertation. Manufacturing and services account for the majority of the observed financing, while real estate represents a smaller share. This provides descriptive evidence that the post-initiative market was materially connected to the real economy. However, the evidence remains descriptive: without a counterfactual, it cannot establish that the initiative itself led to a structural shift in sectoral allocation.

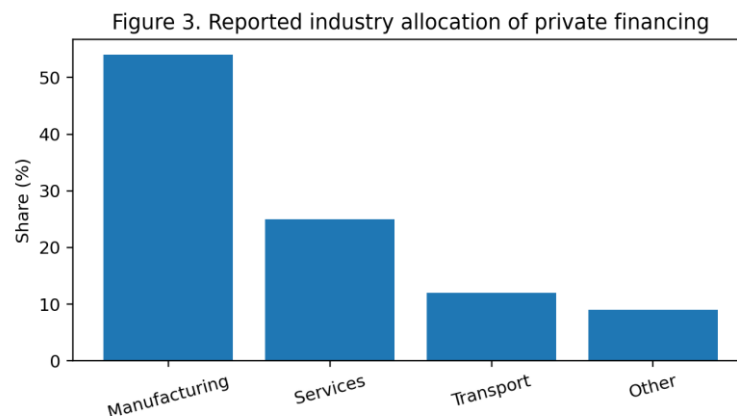


Figure 3. Reported Industry Allocation of Private Financing. Source: Compiled from the Sector-Allocation Evidence Summarized in the Source Dissertation.

3.6. Risk Control: Progress without Full Elimination of Risk

The fourth dimension is risk control [8, 9]. Wenzhou's initiatives introduced several tools that enhance traceability and lower the cost of resolving financial matters, including registration systems, credit-information services, and collaborative mechanisms involving courts, financial institutions, and mediation entities. These institutions strengthen the capacity of regulators and market participants to identify transactions, formalize contractual arrangements, and address financial matters efficiently.

The source dissertation reports that the city resolved thousands of financial matters through coordinated mediation efforts and that the city's banking non-performing asset ratio declined substantially during the period examined. These are encouraging indicators; however, the paper does not present them as direct evidence of causation between financial system enhancements and improved outcomes [9]. Bank asset quality is influenced by broader macroeconomic and financial conditions, while the volume of financial matters reflects, in part, the scale of market activity. The appropriate conclusion is that Wenzhou enhanced its risk-management capabilities while certain vulnerabilities persisted.

These persistent vulnerabilities align with findings in the broader literature. Research indicates that access to credit for small and micro enterprises in China is associated with firm characteristics such as size, age, research and development intensity, accounts receivable levels, and reliance on private financing sources. Further analysis using data from small and medium-sized enterprises in Wenzhou shows that informal financing strategies respond to changes in interest-rate conditions and public health-related disruptions [1]. Additional work highlights a related concern: when formal and informal credit channels operate separately, corporate refinancing activities may generate intermediated financing arrangements that reflect regulatory and pricing differentials. These insights underscore the need for sustained oversight of leverage levels, intercompany lending practices, and liquidity positions.

3.7. Summary of Observed Effects

Table 2 synthesizes the main observed effects. The evidence is strongest for enhanced institutional visibility and broader financing channel diversification. The downward trend in representative financing-rate indicators is suggestive but not causally established [4]. Capital allocation shows a strong alignment with productive sectors, while risk management improved through enhanced information transparency and formalized resolution mechanisms—though gaps remain. Overall, the findings support a "formalization without displacement" interpretation: Wenzhou did not replace private finance, but transformed the institutional framework within which it operates.

Table 2. Summary of Observed Effects of Wenzhou's Reform

Dimension	Observed pattern	Interpretation
Financing access	Private-financing activity expanded; organized channels broadened	Private finance remained an important source of liquidity
Financing cost	Representative rates generally declined	More transparent pricing coincided with lower observed rates
Capital allocation	Financing remained strongly connected to manufacturing and operations	Private capital continued to support productive activity
Risk control	Registration and dispute-resolution capacity improved	Visibility and response capacity increased, but risks remained

4. Discussion

4.1. From Repression to Institutionalized Guidance

Wenzhou's main innovation was not a single financial product but a shift in regulatory philosophy. Under a purely repressive model, informal finance is treated as an activity to be eliminated because it operates outside conventional banking institutions. In contrast, an institutionalized-guidance model acknowledges that private finance emerges in response to genuine enterprise funding needs and that informal lenders often possess information advantages and operational flexibility that formal institutions may lack. The policy objective thus shifts toward channeling constructive financial activity into more visible, transparent, and accountable frameworks.

This perspective is consistent with established findings: informal finance exhibits significant heterogeneity—trade credit and family borrowing often leverage relational information and social trust, whereas unregulated lending may yield markedly different outcomes. Likewise, evidence indicates that informal and formal financing can function complementarily, particularly for smaller enterprises. The Wenzhou experience extends these insights from the firm level to the institutional level, demonstrating how local governance can actively shape the financial ecosystem to strengthen complementary arrangements and enhance oversight of high-risk activities.

4.2. Why the Wenzhou Model Remains Incomplete

Despite substantial progress, three structural problems remain. First, the financing structure of SMEs is still uneven. Relationship-based private lending can be flexible, but it is not sufficiently scalable for larger or longer-term investment projects. Formal bank credit remains important precisely because it can provide scale, while equity and bond markets can provide longer-dated risk capital. The objective should therefore be to build integrated financing chains rather than to substitute one financing source for another.

Second, information asymmetry persists. Registration systems cover only observed transactions, and private borrowing can still occur outside formal channels. This creates a persistent gap between the activity that regulators can monitor and the activity that actually occurs. Research on financial access in China indicates that firm-specific characteristics and reliance on informal debt continue to influence financing outcomes. Digital information infrastructure may narrow this gap, but it also introduces new governance considerations if data quality, privacy protection, or system interoperability are inadequate.

Third, regulatory coordination remains challenging [2]. Local financial organizations are often supervised at the local level, whereas banks and other major financial institutions operate under national supervisory frameworks. This institutional division can lead to information and enforcement gaps, especially when transactions span institutional or geographic boundaries. Segmented regulatory arrangements have been associated with the emergence of complex intermediation structures that shift risk away from traditional, regulated channels.

4.3. Transferable Lessons for Other Regions

The Wenzhou experience suggests three conditions for policy transfer. The first is a sufficiently strong local information base [7]. Registration, transaction reporting, and publicly interpretable price indicators are prerequisites for effective oversight. Without such information infrastructure, local financial innovation may inadvertently increase opacity.

The second is organizational diversity. A local economy requires institutions capable of meeting varied financing needs: small-ticket working capital, growth-oriented finance, longer-term investment, and risk-sharing capital. Microfinance companies and private-capital management organizations can serve as useful intermediaries, yet they cannot substitute for banks, equity markets, or venture capital.

The third is supervision calibrated to risk characteristics. Oversight should be proportionate to factors including leverage, interconnectedness, maturity mismatch, exposure concentration, and related-party transactions, rather than relying solely on distinctions between institutional categories. Evidence indicates that non-bank financing channels can play a constructive role when they help resolve information asymmetries and enforcement gaps, but may pose challenges when associated with coercive practices, lack of transparency, or excessive leverage.

4.4. Relation to the Literature

The contribution of this case study is therefore institutional rather than purely empirical. The paper does not overturn the finding that formal finance can be important for firm growth, nor does it claim that informal finance is always beneficial. Instead, it reconciles several strands of evidence by arguing that local institutional design can change the relative quality of informal financing. Where information is scarce and transactions are invisible, private finance can become costly and risky. Where registration, pricing information, and organizational intermediaries improve visibility, private finance can become a more useful complement to formal finance.

This interpretation is also compatible with recent evidence on SME financing, which indicates that both formal and informal finance can support innovation, and that informal financing strategies remain widely used and responsive to interest-rate and liquidity conditions [3, 4]. The policy implication is not to suppress this persistent demand, but to improve the institutional conditions under which the demand is met.

5. Conclusions

This study examines the institutional development and practical implications of private financial activity in Wenzhou. The central finding is that changes to the market environment emerged from a coordinated set of interrelated institutional arrangements rather than from any single measure. Registration services enhanced transaction transparency; specialized local financial organizations created more structured pathways for private capital allocation; and the Wenzhou private-financing interest-rate index provided a common reference point for pricing.

Across the four analytical dimensions, the evidence supports four principal observations. First, access to financing broadened as organized private financial channels expanded and support mechanisms for small and medium-sized enterprises improved. Second, representative financing-rate indicators generally declined during the period under examination, while price-related information became more transparent. Third, private capital remained closely aligned with productive uses, particularly in manufacturing and day-to-day operational needs. Fourth, capacity for managing financial risk strengthened through registration systems, credit information sharing, and formalized mechanisms for resolving lending disagreements, although information asymmetry and fragmented oversight frameworks persisted.

The policy implication is that local financial development should prioritize regulated coordination rather than substitution. Private financial activity can effectively serve segments underserved by formal institutions—especially smaller firms with limited

collateral or incomplete financial records. However, realizing these benefits depends on institutional transparency, high-quality information, and proportionate oversight. For regions seeking to adapt elements of the Wenzhou experience, the most transferable components are an information infrastructure supporting private lending, specialized yet accountable financial intermediaries, and a supervisory framework that integrates local market understanding with broader financial oversight.

The study has three principal limitations. First, data completeness: private financial activity remains partially unrecorded, and official metrics cannot capture all transactions. Second, external validity: Wenzhou possesses an unusually strong culture of private enterprise, so its institutional configuration may not translate directly to regions with differing economic structures. Third, causal identification: because multiple measures were introduced concurrently and macroeconomic conditions evolved simultaneously, isolating the effect of individual institutional arrangements is not feasible. Future research could integrate firm-level survey data with administrative transaction records and apply quasi-experimental methods to estimate the causal impact of specific institutional arrangements.

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Informed Consent Statement: Not applicable.

Data Availability Statement: The study uses secondary information compiled in the source undergraduate dissertation and publicly reported Wenzhou financial statistics. No new proprietary dataset was created for this paper.

Conflicts of Interest: The author declares no conflicts of interest.

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