10.46541/978-86-7233-439-5_523

XXXI International Scientific Conference
Strategic Management
and Decision Support Systems
in Strategic Management
Sm2026
Subotica (Serbia), May 18, 2026

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Participation (direct/virtual): Direct
JEL: L21, M10, O12

Strategic Agility in Turbulent Times: A Framework for SME Resilience in an Era of Global Instability

ABSTRACT
In an era defined by geopolitical conflict, economic volatility, and persistent supply chain disruptions, small and medium-sized enterprises (SMEs) face an existential challenge. Unlike large corporations, SMEs lack the financial buffers, dedicated risk management teams, and supplier diversity necessary to absorb repeated shocks, making traditional, defensive resilience insufficient. This paper argues that SMEs must shift from merely "bouncing back" to "bouncing forward" by embedding strategic agility as a core competency. Drawing on strategic management and crisis response literature, we first analyze the multidimensional nature of contemporary global instability, including supply chain fragility, financial market volatility, shifting consumer behavior, and the digital divide, and demonstrate how these factors disproportionately impact SME survival and growth. We then propose a practical, four-stage maturity framework: (1) Reactive Crisis Stabilization, focused on immediate survival through cash flow protection and essential functions; (2) Robust and Flexible Operations, building operational buffers, supplier diversification, and cross-trained employees; (3) Strategic Adaptability, enabling business model pivoting through digital channels, modular offerings, and environmental scanning; and (4) Strategic Agility as a Core Competency, characterized by decentralized decision-making, continuous learning, foresight capabilities, and a culture of experimentation. The framework guides SMEs from reactive survival to proactively capturing opportunities arising from disruption. The paper further elaborates on the critical philosophical shift from "bouncing back" to "bouncing forward," drawing on empirical evidence from the COVID-19 pandemic. We conclude with actionable recommendations for SME owners, policymakers, and technology providers. Ultimately, this paper posits that true resilience, reconceptualized as strategic agility, transforms disruption from a threat into a competitive advantage. In a turbulent world where the only certainty is continued instability, strategic agility is not merely a survival tactic but the new foundation for lasting competitive advantage for SMEs worldwide.
Keywords: Global Instability, SME Resilience, Strategic Agility, Business Environment, Adaptive Strategy

1. INTRODUCTION
The early decades of the 21st century have witnessed a unique and dangerous convergence of global challenges. Beginning with the financial crisis of 2008, continuing through the unprecedented global effects of the COVID-19 pandemic, and accelerating due to intensifying trade disputes, rising geopolitical tensions (e.g., the Russian invasion of Ukraine, US-China decoupling), and the growing frequency of climate-related disruptions, the very notion of a stable and predictable business environment has become obsolete. For large multinational corporations, this turbulence is costly but manageable; they can draw on deep financial reserves, geographically diversified markets, and dedicated risk management teams. However, for Small and Medium-sized Enterprises (SMEs), typically defined as firms employing

fewer than 250 people with an annual turnover not exceeding €50 million, this new reality presents a fundamental threat to their survival.
Despite their vulnerability, SMEs are the backbone of most economies. They account for over 90% of all businesses worldwide and contribute approximately 70% of employment and 50% of GDP in developed countries (World Bank, 2021). Their importance extends beyond pure economics; SMEs are primary drivers of local innovation, community well-being, and social cohesion. When SMEs fail, it is not merely a market correction but a hollowing out of the middle class and a loss of the adaptive, human-scale enterprises that communities depend on during crises. Therefore, understanding how SMEs can not only survive but thrive amid constant instability is a pressing academic and practical concern.
This paper begins from a central critique of traditional resilience thinking. For decades, business resilience has been defined as the ability to "bounce back" to a pre-crisis state, thereby restoring operations, recovering lost revenue, and returning to "business as usual" (Mihotić, Raynard, & Sinčić Ćorić, 2023). In a world where disruptions are no longer rare events but overlapping and continuous pressures, this definition is no longer sufficient. Returning to a prior state that was itself fragile is a recipe for eventual failure. Instead, this paper advocates for a paradigm shift toward strategic agility: the ongoing, organization-wide capability to sense environmental changes early, seize emerging opportunities rapidly, and fundamentally adapt the business model when necessary (North & Varvakis, 2016). Strategic agility transforms resilience from a defensive cost center into a dynamic competitive strength.
The aim of this paper is two-fold. First, it analyzes how the multidimensional nature of contemporary global instability, specifically supply chain fragility, financial market volatility, and shifting consumer behavior, disproportionately impacts SMEs. Second, it introduces a practical, staged framework that guides SMEs from reactive crisis management toward embedded strategic agility. The paper's structure is as follows: Section 2 details the specific impacts of global instability on SME operations. Section 3 presents the four-stage resilience framework. Section 4 elaborates on the critical shift from "bouncing back" to "bouncing forward." Section 5 offers targeted recommendations for SME managers, policymakers, and technology providers. Section 6 concludes by summarizing the paper's core argument and emphasizing the long-term strategic value of agility.

2. The Nature of Global Instability and Its Impact on SMEs

The world feels less stable than it used to. Economies are more connected than ever, but that connectivity cuts both ways; a regional conflict or trade dispute can ripple through global supply chains and currency markets within days (Caldara & Iacoviello, 2022). Unlike large multinationals, SMEs typically lack the cash reserves, legal teams, or supplier diversity to cushion sudden shocks. When tariffs rise, a key logistics partner is hit by a cyberattack, or currencies swing, an SME's slim margins can vanish before a single shipment clears customs (Bartzsch et al., 2021). Furthermore, as countries increasingly adopt "friend-shoring"—trading within trusted political blocs—SMEs are left to navigate a complex patchwork of new compliance rules that they lack the resources to manage (Antràs, 2020). The result is that many SMEs are quietly scaling back or closing, which erodes the most adaptable and local part of the economy.
This instability is not merely episodic but structural. The post-2008 era has been characterized by what some scholars term "polycrisis"—the simultaneous occurrence of multiple, interacting shocks across economic, geopolitical, and environmental domains (Lawrence et al., 2022). For SMEs, this means that disruptions no longer arrive in predictable cycles but cascade unpredictably. For example, the COVID-19 pandemic exposed the fragility of just-in-time inventory models, which disproportionately harmed SMEs that could not afford to hold safety stock or switch suppliers quickly (Juergensen et al., 2020). Similarly, the Russian invasion of Ukraine triggered spikes in energy and commodity prices that forced many European SMEs into insolvency within weeks rather than months (Organization for Economic Co-operation and Development [OECD], 2022).
Moreover, the digital transformation that enables global reach also introduces new vectors of vulnerability. Cyberattacks on SMEs have risen sharply, with nearly half of all small businesses reporting at least one breach in the past year, and many lacking dedicated IT security personnel (European Union Agency for Cybersecurity [ENISA], 2021). Unlike large firms that can absorb forensic costs and reputational damage, an SME that loses customer data or operational access for a week may never recover. Financial volatility compounds these risks: currency fluctuations can erase export profits overnight, while rising interest rates, often deployed by central banks to counter inflationary shocks, disproportionately raise borrowing costs for SMEs, which typically rely on variable-rate loans (Beck & Demirgüç-Kunt, 2006).
In addition, regulatory fragmentation has intensified. As major economies diverge on standards for data privacy (e.g., GDPR in Europe vs. varying state laws in the U.S.), environmental reporting, and supply chain due diligence, SMEs face a compliance burden that scales almost linearly with each new market they enter (World Trade Organization [WTO], 2021). Larger firms can centralize compliance through specialized teams or automated software; SMEs cannot. Consequently, many SMEs are forced to abandon cross-border ambitions altogether, choosing to stay in shrinking local markets rather than navigate an increasingly hostile international environment. The cumulative effect is a slow hollowing-out of the small-business sector, reducing economic diversity and resilience at precisely the moment when agility and local responsiveness are most needed (Eggers, 2020).

The Multidimensional Crisis Landscape

Today's global instability is not just a single crisis; it's a complex situation made up of several interconnected issues. From high-stakes geopolitical tensions—like the trade war between the US and China or the Russian invasion of Ukraine—to the fallout from the COVID-19 pandemic, the landscape is anything but stable. These events have disrupted energy markets, disrupted commodity prices, and changed trade routes. The pandemic also highlighted the fragility of just-in-time supply chains and significantly accelerated the shift towards digital transformation. At the same time, climate-related events are becoming more frequent, and inflation is impacting people's purchasing power in major markets. For SMEs, navigating this landscape is especially challenging (Choudhury *et al.*, 2025). Industry experts and prominent researchers have also noted that small and medium-sized enterprises (SMEs) experienced the shock more severely than their larger counterparts during the crises as discussed by (Khalil, Abdelli and Mogaji, 2022). The closure or temporary shutdown of many SMEs was driven by a combination of factors, including lockdowns, supply chain disruptions, decreased consumer spending, and ongoing financial uncertainty (Alkhodair & Alkhudhayr, 2025). They typically work with shorter planning timelines, have less access to capital, and often serve a narrower customer base. While larger companies can absorb financial hits through various strategies, a small or medium-sized business can face serious consequences, even bankruptcy, after just one major disruption or a significant drop in demand (Eggers, 2020).

Supply Chain Fragility

Global supply chains optimized for just-in-time efficiency have left SMEs feeling especially vulnerable. They often operate on razor-thin margins with minimal stock, making them prone to even minor disruptions (Ghosh et al., 2026). For instance, a small electronics assembler depending on a single supplier in a politically unstable region for a critical microchip could face production stops due to port closures or tariffs. The COVID-19 pandemic brought this fragility into sharp focus: while large automakers secured their supplies, smaller suppliers were often left without essential components (Gao, 2025). Additionally, SMEs usually lack the negotiating power to get better terms. During the post-COVID shipping crisis, big firms locked in shipping space with long-term contracts, while SMEs had to pay skyrocketing spot prices. Studies on Hungarian SMEs during crises show that such disruptions create a domino effect—missed deadlines, reputational damage, and even the risk of bankruptcy (Oravecz, Pólya, & Máté, 2025). To build resilience, it is important to rethink dependencies, maintain strategic inventories, and cultivate relationships with diverse suppliers.

Financial Market Volatility

Access to capital has always been a challenge for small and medium-sized enterprises, but global instability makes this even harder. Banks become more cautious during uncertain times, tightening their lending criteria and demanding more collateral (Finnegan & Kapoor, 2023). For an SME seeking a modest loan to update production lines, a bank might see the sector as "high risk" and either refuse credit or offer loans at very high rates. Unpredictable currency exchange rates also hit SMEs involved in international trade particularly hard; a sudden 10% shift can wipe out profit margins on exports, while larger firms hedge their risks using financial tools that SMEs often cannot access. As Rideg, Szerb, and Varga (2023) point out, the role of intellectual capital in innovation, as evidenced by Hungarian SMEs, shows that external relationships with buyers, suppliers, and support organizations often help SMEs overcome resource constraints by providing valuable information and knowledge that foster innovation. SMEs are inherently more fragile than large multinationals, a reality that makes them the first to suffer when global shocks occur. Their fundamental structural barriers—such as minimal cash reserves, a persistent and multi-trillion dollar global credit gap, and limited capacity for strategic planning—turn temporary disruptions into existential threats (Baker Tilly International, 2025; ICSB, 2025). When a geopolitical event triggers a currency swing or a sudden tariff hike, an SME lacks the financial buffer to absorb the loss, unlike a larger competitor (Grant Thornton Singapore, 2026). Furthermore, the "polycrisis" of interconnected supply chain disruptions, from semiconductor shortages to port delays, hits smaller firms hardest as they often rely on single suppliers and lack the leverage to demand priority or favorable terms (Forbes Business Council, 2025). This perfect storm of financial fragility and operational rigidity means that global instability does not just reduce profits for SMEs; it actively forces them to scale back, freeze hiring, or shutter entirely, thereby eroding the very foundation of local economic resilience (ICSB, 2025).

The Innovation Gap and the Digital Divide

Compounding their financial and trade challenges, SMEs are increasingly being left behind in the digital transformation that is critical for surviving modern disruptions, creating a widening performance gap (Grant Thornton Singapore, 2026). While large enterprises rapidly adopt artificial intelligence and data analytics to build resilient, adaptive supply chains, the majority of SMEs lack the capital and technical skills to implement even basic digital tools (Forbes Business Council, 2025). For example, sophisticated AI-powered risk sensing can predict geopolitical shocks and automate supplier diversification, but such technology remains out of reach for most small businesses, leaving them reliant on slow, manual processes (Small Business Connections, 2025). This digital divide is a critical vulnerability, as digitally mature SMEs are demonstrably more agile, able to pivot to new markets or secure alternative financing, while their non-digital peers remain paralyzed by uncertainty and invisible risks (Grant Thornton Singapore, 2026). Consequently, as the global economy becomes more technologically complex and volatile, SMEs that cannot bridge this digital gap will inevitably be weeded out, concentrating economic power in the hands of the few who can afford to innovate (ICSB, 2025).

Shifting Consumer Behavior Economic

Economic instability shifts what people buy, how they pay, and which brands they trust. SMEs, which often rely on loyal local customers, are especially vulnerable. During COVID-19, restaurants and boutique hotels saw demand drop overnight while grocery delivery surged. With rising inflation, consumers have become more price-sensitive, gravitating toward cheaper alternatives and comparing prices aggressively online. Furthermore, the shift toward digital platforms and cashless payments has left many small retailers without user-friendly websites losing relevance. Changing consumer values—preference for sustainable, local, or ethically sourced products—also demand adaptation (Deutsch, Drávavölgyi, & Rideg, 2013). This requires not only agility in strategy but also a deeper understanding of evolving customer needs.

3. A Phased Framework for Strategic Resilience

This framework aims to help SMEs navigate disruptions by blending insights from strategic management, organizational resilience, and crisis management (Foli, Durst, & Temel, 2024). Since SMEs vary greatly, this framework is a flexible maturity model, not a strict checklist.

Stage 1: Reactive Crisis Stabilization

Objective: Ensure survival during immediate disruption.

- Key actions: Secure cash flow (cut costs, renegotiate payments, seek emergency credit); protect essential functions and employees; maintain open communication with key customers/suppliers; implement basic remote work or digital alternatives (Brown et al., 2018).
- Indicators of success: Positive cash flow, meeting critical obligations, retaining key customers.
- Limitations: Not a long-term solution; firm remains vulnerable to future shocks (Duchek, 2020).

Stage 2: Robust and Flexible Operations

Objective: Build operational buffers and redundancy.

- Key actions: Diversify suppliers (even at higher cost); stock strategic inventories; cross-train employees; design quickly adjustable production processes.
- Indicators of success: Ability to handle 15-20% demand/supply shift without emergency measures; decreased lead time variability.
- Example: A small food manufacturer shifting from one national distributor to three regional suppliers reduces supply disruption risk.

Stage 3: Strategic Adaptability

Objective: Enable business model pivoting.

- Key actions: Develop digital channels to complement physical operations; create modular products/services; form strategic partnerships for resource sharing; establish market environment scanning (e.g., weekly indicator reviews) (Gölgeci et al., 2026).
- Indicators of success: Launch of new product/service variant within 4-6 weeks of recognizing a market shift; diversified revenue streams.
- Example: A small tour operator pivoting to virtual cultural experiences during travel restrictions, then to hybrid offerings post-pandemic (Hadjielias, Christofi, & Tarba, 2022).

Stage 4: Strategic Agility as Core Competency

Objective: Embed agility into organizational culture and strategy.

- Key characteristics: Decentralized decision-making empowering front-line managers; continuous learning (after-action reviews, scenario planning); foresight capabilities tracking early warning signs; a culture embracing calculated risk and experimentation.
- Indicators of success: Regularly seizing opportunities from disruptions (e.g., gaining market share when competitors falter); low employee turnover; strategic planning as an ongoing process (Foli, Durst, & Temel, 2024).
- Example: A medium-sized software firm that routinely adjusts priorities based on real-time customer feedback and geopolitical risk signals.

4. Shifting from "Bouncing Back" to "Bouncing Forward"

In today's turbulent and often unpredictable business environment, the conventional understanding of resilience has become insufficient. Traditionally, crisis management aimed for a return to the pre-crisis status quo—a concept often described as "bouncing back." However, with the rise of overlapping and continuous disruptions (e.g., pandemics, supply chain volatility, geopolitical shifts), the notion of a stable, pre-crisis equilibrium has largely vanished. Organizations that simply try to rebuild what existed before risk being perpetually behind the curve.

To address this new reality, Mihotić, Raynard, and Sinčić Ćorić (2023) offer a vital distinction in the context of family-run businesses, which applies equally to small and medium-sized enterprises (SMEs). They contrast two uses of family social capital: a *retrospective* approach, which is conservative and aims to restore "business as usual," versus a *prospective* approach, which is strategic, flexible, and oriented toward adapting to an entirely "new" future. This paper explicitly embraces the latter, known as **"bouncing forward."**

But what does bouncing forward mean in practice for an SME? Unlike bouncing back, which focuses on recovery, bouncing forward focuses on *opportunity within disruption*. For example, when facing a supply chain breakdown, a bouncing-back mindset seeks a like-for-like replacement supplier as quickly as possible. In contrast, a bouncing-forward mindset rethinks the entire procurement strategy—perhaps diversifying suppliers regionally, investing in nearshoring, or redesigning products to use alternative materials. Similarly, if customer demand drops sharply, bouncing back would emphasize aggressive cost-cutting and layoffs. Bouncing forward, however, asks: *What new offerings, services, or digital channels can we develop right now?* In this way, resilience transforms from a defensive tactic—merely absorbing shocks—into a strategic asset that actively enhances long-term competitiveness.

Real-world evidence strongly supports this shift. A study of UK SMEs during the COVID-19 crisis found that businesses possessing pre-existing adaptive capabilities—such as flexible work arrangements, digital readiness, and decentralized decision-making—not only survived but actually captured additional market share from less agile competitors (Hadjielias, Christofi, & Tarba, 2022). Conversely, firms that relied solely on reactive, bounce-back strategies struggled with recurring crises and lost ground. In a similar vein, research on Germany's renowned Mittelstand firms revealed that strategic agility—the ability to reconfigure operations and offerings rapidly—was the single most important differentiator between industry leaders and laggards during economic downturns. Therefore, adopting a "bouncing forward" posture reframes resilience not as a cost of survival but as a driver of competitive advantage, innovation, and sustained growth in an age of permanent uncertainty.

5. Practical Recommendations

For SME Owners and Managers

1. Conduct a Resilience Audit: Assess where you stand on the four-stage scale. Are you still just reacting?
2. Invest in Environmental Scanning: Weekly review of news, supplier communications, and customer feedback to spot problems early (Gölgeci et al., 2026).
3. Build Financial Buffers: Keep access to credit lines open; maintain conservative debt ratios.
4. Foster a Learning Culture: After every disruption, hold a quick "after-action review" (what went well, what didn't, how to improve) (Ghosh et al., 2026).
5. Embrace Imperfection: Build agility through small experiments (new payment method, backup supplier, cross-training).

For Policymakers

1. Create Rapid-Response Financing: Government-backed loans or grants triggered by specific crisis indicators (e.g., significant revenue drop) (Global Snapshot of Sendai Framework Monitoring Countries, 2025).
2. Support Digital Upgrades and Skills: Subsidies for cybersecurity, e-commerce platforms, and employee training (Khalil, Abdelli, & Mogaji, 2022).
3. Reduce Administrative Burden: Temporarily ease reporting requirements during crises to allow SMEs to focus on survival (Eggers, 2020).
4. Facilitate Collaborative Resilience: Develop regional programs identifying supply chain interdependencies and shared contingency plans (Stojanovic, 2024).

For Technology and Service Providers

1. Develop Accessible Resilience Tools: Affordable, modular, cloud-based solutions for supply chain risk management, as many SMEs cannot afford high-end software (Scholz et al., 2010).
2. Offer Structured Frameworks: Provide easy-to-follow guides aligned with the SME's current resilience stage (European Commission, 2025).
3. Encourage Peer Learning: Create platforms for SMEs to anonymously share resilience strategies and experiences (Trunk & Birkel, 2022).

6. Conclusion

The era of predictable, stable business environments has definitively ended. For small and medium-sized enterprises—which form the economic backbone of most nations yet remain the most vulnerable to disruption—the central challenge is no longer simply weathering the next crisis. It is learning to thrive amid continuous, overlapping, and often unpredictable shocks. This paper has argued that the traditional notion of resilience as "bouncing back" to a pre-crisis state is not only outdated but dangerous. It lulls SMEs into a defensive posture that leaves them perpetually reacting, always one disruption away from failure.

In its place, this paper has proposed a paradigm of strategic agility: the ability to sense changes early, seize opportunities decisively, and adapt the business model as needed. To make this concept actionable, we presented a four-stage maturity framework. The framework acknowledges that most SMEs begin in a Reactive Crisis Stabilization mode, focused on immediate survival. From there, it provides a clear pathway: first, build Robust and Flexible Operations (buffers, redundancies, cross-training). Second, develop Strategic Adaptability (digital channels, modular offerings, environmental scanning). Finally, and most critically, embed Strategic Agility as a Core Competency—decentralizing decisions, fostering continuous learning, and making foresight a daily habit rather than a quarterly exercise.

The shift from "bouncing back" to "bouncing forward" is the philosophical heart of this framework. As Mihotić, Raynard, and Sinčić Ćorić (2023) demonstrated, firms that prospectively use their resources to adapt to a new future outperform those that merely try to restore the past. Evidence from the COVID-19 pandemic confirms that SMEs with existing adaptive capabilities not only survived but gained market share (Hadjielias, Christofi, & Tarba, 2022). Therefore, resilience, reconceptualized as strategic agility, becomes a competitive weapon rather than a cost burden.

No framework can eliminate uncertainty, and this paper does not claim to offer a magic solution. The journey to strategic agility requires committed leadership, investment of scarce resources (especially time and attention), and a genuine cultural shift away from rigid planning toward iterative learning (Rideg, Szerb, & Varga, 2023). However, for those SME owners and managers willing to embark on this journey—supported by smart policymaking and accessible technology—the reward is substantial. It is the ability to navigate whatever future disruptions arise, not with fear, but with confidence; not as victims of change, but as shapers of it. In a turbulent world, strategic agility is not merely a survival tactic. It is the new foundation for lasting competitive advantage.

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