

### **Introduction to this document**

# The war in Ukraine is above all a political and humanitarian crisis...

Russia's invasion of Ukraine has led to a serious **humanitarian crisis**. BCG condemns this attack and the violence that is killing, wounding, and displacing so many people.

The top priority in moments like these must be the **safety and security of people**. Corporates, governments, and non-for-profit organizations should focus on supporting the people in Ukraine, Russia, Europe, and globally affected (physically and mentally).

# ... but it is driving disruption across businesses

It is the duty of political, societal, and business leaders to navigate through this crisis. **The intent of this document is to inform discussions and decisions on the global economic impact** as well as the <u>Financial Institutions</u> impact of the war in Ukraine.

The situation surrounding Ukraine is dynamic and rapidly evolving - this document reflects information and analysis as of **24 March 2022.** 

It is not intended as a prediction of future events and is shared only as a resource for BCG and client conversations.



#### FINANCIAL INSTITUTIONS IMPACT

Financial sanctions will harshly impact Russia's banks—and could very well force the country to default on its foreign debts. These sanctions are also pushing Russia's economy, which was earlier in the year on track for modest growth, into recession. Yet, because of their limited exposure to Russia, most international financial institutions are likely to experience only minimal impact. For example, at \$170 billion, Russian loans account for less than 0.2% of the \$100 trillion in assets held by all global banks.

Depending on the war's duration and how it unfolds, however, the indirect and medium-term implications for international financial institutions could be quite material. Persistently high interest rates, inflation, and market volatility would slow economic growth worldwide. These forces could hit the top and bottom lines of commercial banks, investment banks, asset managers, payment platforms, and other firms. A more extreme scenario is that the global financial system decouples, with separate cross-border payment systems emerging for Eastern and Western economies. Global institutions should therefore go beyond assessing first- and second-order risks across their value chains. They should also begin to reassess their portfolios, global operations, and growth strategies based on various scenarios.



## **Deep-dive: View on Financial Institutions impact**

- > Direct impact
- >Indirect & medium-term impact
- >Implications across industries

## FI: Direct impact limited; indirect & medium-term impact potentially material

Direct impact for FIs

Russian Financial institutions represent ~1% of global financial institution revenue

Limited direct impact on global FIs and investors, apart from few which are overexposed

No immediate evidence of disruption on global liquidity, or systematic financial shock

High compliance & conduct risks¹ in capital markets & wealth management (arising from complex & evolving sanctions)

Indirect and mediumterm Impact for FIs Rising interest rates | High uncertainty – potential short-term benefit; balance sheet & liquidity review required

Recession risk | Risk of material impact on FIs' profitability – similarities to 1970's, yet more room for policy action today

Market volatility | Continued spikes in volatility likely to heighten counterparty risk and defaults

Global financial decoupling | Extreme scenario which would require new portfolio strategy

Cyber-attacks | Heightened risk of cyber-attacks, with FIs being a typical target

Supervisors' scrutiny | Expected stricter controls and acceleration of new regulations (e.g., cryptoassets)

Financial implications for other industries

Hedging strategy | Risk management hedging on rates, FX, commodities

Balance sheet strategy | Review structure, short vs. medium term debt, deposit / financial investment strategy

Cyber-attacks | Prepare for risk of payment disruptions (e.g., FI cyberattacks) and increased compliance scrutiny from banks

Payments | Reassess payment currencies and assess alternatives (e.g., crypto)

M&A, IPO, debt issuance | Potential slow down, expecting clarity on scenarios; specific opportunities with exposed players

<sup>1.</sup> Risks associated with any activity by a financial institution which could threaten consumer protection or market integrity/stability. Sources: BCG analyses and experience



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## Context: Russian Financial institutions represent ~1% of global FI revenue

#### Russia's FIs are under severe stress...

#### Russian bank stocks collapsing

(79%)

decline in **Russian bank index** across L6M<sup>1</sup>

#### **Challenging market conditions**

7

Banks delisted from SWIFT (representing ~25% Russia banking sector's revenue<sup>2</sup>); Sberbank, Gazprom exempt

# Potential Russian sovereign debt default

\$4.7B

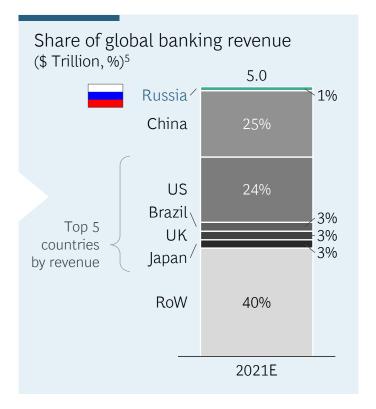
**Outstanding payments** for Russia between now & year end despite \$117M repaid Mar 16<sup>3</sup>

#### **Acceleration of cash withdrawals**

58

Fold increase in demand for cash in Russia since first sanctions<sup>4</sup>

# ... but overall, they represent low share of global sector



<sup>1.</sup> Russia MSCI Financial Index (Aug – Mar 14 2022) 2. FY20 Revenue; in B for 7 banks: VTB, Otkritie, VEB, Novikombank, Gazprombank, Bank Rossiya, Sovcombank) / FY20 Russia banking revenue (Retail + corporate + other banking revenue); 3. Reuters, March 21 2022; 4. As of February 28 2022, NYTimes; 5. In-country (domestic) revenue (Retail + corporate + other banking revenue) Source: BCG Banking Pools Model, MSCI, Press; BCG analysis

## FIS | Limited direct impact on global FIs, apart from few which are overexposed

#### **BANKING:**

#### Low exposure & limited liquidity risk

<0.2%

**total exposure<sup>1</sup>** of all global banks (~\$170B out of \$100T<sup>2</sup> total assets)

**4 European banks** with material exposure<sup>3</sup> (i.e., >5% of group profits from Russia)

Low liquidity risk | Pricing of funding between banks (overnight borrowing rate<sup>4</sup>) stable, suggesting bank's liquidity expectations have not changed

# ASSET MANAGERS: Limited impact

**Russia comprises small share** of total Assets under Management for most Asset Managers

0.2%

BlackRock exposure to Russian assets<sup>5</sup>

0.5%

Fidelity's exposure to Russian assets<sup>5</sup>

Specific strategies and funds more at risk<sup>6</sup>

# PAYMENTS: Minimal global effect from SWIFT ban

~1.4%

of cross border transaction flow value attributed to Russia<sup>7</sup>

7

**banks currently de-listed from SWIFT**; largest banks (Sberbank, Gazprombank) exempt<sup>7</sup>

### So far, global FIs' stock prices perform in line with or better than other industries

(e.g., 2.3% reduction in Financial index<sup>8</sup> vs 8.0% reduction in World Index<sup>9</sup> between Jan 3 & Mar 17 2022)

1. As of Sep '21: ~\$120B in direct exposures & ~\$50B in derivatives, credit guarantees and credit commitments 2. \$100T is total assets across all bank nationalities as of Sept '21 from BIS 3. Material exposure based on Russia as a % of group profit >5% for 2021 per company reports and J.P. Morgan estimates; banks with following exposure as % of profit: 6%, 7%, 7%, 39% 4. Europe overnight borrowing rate 5. Russian Exposure AuM (\$B)/ Global AuM 2020 (P&I) 6. E.g., EM funds of GQG Partners 7. 2019 data; based on outbound global payments only, excluding credit cards; value of Russia x-border payments / value of x-border global payments BCG Trade Finance Model 8. As of Mar 21 2022; exempt banks incl: VTB, Bank Otkritie, Novikombank, Promsvyazbank, Rossiya Bank, Sovcombank, VEB; represent ~25% banking sector 8. MSCI World Financial Index % change YTD Non-normalized Jan 3 '22 to Mar 17 '22; 9. MSCI World Index Non-normalized % change Jan 3 '22 to Mar 17 '22; Source: Press, Bloomberg, BCG Center for Macroeconomics, BIS, GSIB; MSCI; J.P. Morgan; BCG Analysis

# Investors | Limited impact for most pension funds, large losses on more heavily exposed sovereign funds

#### Type of investor

Sovereign wealth funds (SWFs) Mostly Gulf funds are exposed<sup>1</sup>

#### First order effects

Decline of asset value (Ruble & Russian stocks depreciation, asset write-downs)

Yet, SWFs willing to hold position through crisis (and maintain government-to-government contacts to limit asset devaluation)

Opportunity to buy assets at discount

Public Pension funds Mostly in US, EU, UK Limited exposure (~1% of assets¹ in Russia)

Divesting to avoid reputational and sanctions risk

Difficulty in finding counterparts unless large discount

#### Private equity firms

If exposed: Asset devaluation, declining revenues

Difficulty to repurpose portfolio given lower liquidity – yet secondary market exists

#### **Second order effects**

Likely rebalancing of capital allocation away from higherrisk regions

Risks of Russian retaliations through nationalization of foreign-owned assets (less impact for SWFs<sup>4</sup>)

Increased compliance burden to vet investors and partners (and their exposure) - less relevant for SWFs<sup>5</sup>

#### **Case studies**

Qatar Investment Authority (QIA), the Sovereign fund of Qatar has stakes in Russian entities targeted by sanctions (e.g., VTB). QIA has taken \$6B loss to its Russian holdings valued at \$16B<sup>2</sup>

California Public Employees'
Retirement owns \$1B in
Russian assets.
A bill is pending in the State
legislature mandating
divestment from Russia<sup>3</sup>

Private

Institutional



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## Greatest risks are indirect and depend on a wide range of scenarios



## Rising Interest rates

Increase in interest rates will benefit FIs in the short-term. Yet, when combined with potential economic slowdown (e.g., due to inflationary pressures), it can introduce challenges to balance sheet of banks (especially if used variable rates) and have impact of increased loan defaults



# Recession risk

Increased risk of global economic slowdown driven by rising energy and commodity prices and erosion of consumer confidence. In that case, major impact across business areas for FIs



# Market volatility

Prolonged volatility and market 'swings' could create multiple default events (e.g., asset gatherers, collaterals)



# Global decoupling of financial systems

Extreme scenario of further disentanglement between Western and non-Western financial ecosystems – would require deep review of footprint strategy (clients, front office, operations)



# Cyber-security threats

Increased risk of cyberattacks in uncertain geopolitical environment such as the Ukraine war, with FI traditionally being one of the first targets for hackers – increasing level of financial, operational & reputational risks



# Supervisors' scrutiny

Heightened scrutiny, increasing compliance mobilization & costs, and conduct risk

More stringent regulations to come (e.g., cryptoassets)

More details on next pages

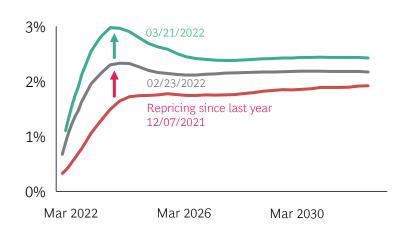
More detail in next edition



# Rising interest rates | Potential short-term benefit from increasing interest rates for FIs; balance sheet & liquidity review required

# Markets expect interest rates to increase and stabilize at 2-3% by 2024

Implied interest rate<sup>1</sup>



Interest rate expectation reflects current market view that **high inflation is transient** and will gradually fall to ~2-4% by end of 2023

# FIs will benefit in the short-term, yet risk if economy slows

In the short run, banks could benefit from increasing interest rates (IR)

6%

Growth in net interest income from 1% interest rate increase<sup>2</sup>

Yet, lower economic activity would harm FI profitability & equity performance

(12.5%)

Decrease in Dow Jones for 1% decrease in GDP<sup>3</sup>

#### **Second-order impact**

Companies to **slow down borrowing** and **investment** as cost of capital increases

# Strong money flow to large-cap equities

(less susceptible to inflation) as fixedincome investments have lower real returns

Investment in innovation to decline – given higher discount rate of long-term cash flow

Increase in consumers' savings in FIs to decrease consumer disposable income

<sup>1.</sup> Future expected short rate as priced by markets; 2. Averaged. BCG 2020 Treasury Benchmark, as estimated by Europe and North American participants 3. Dodd Frank 2021 stress test. Data is for Dow Jones Total Stock Market Index; Note: Review BCG's Center for Macroeconomics' publications for the latest projection on inflations and interest rates.

Source: Company Disclosures, Press reports; JP Morgan; US FDIC; US FED; BCG Analysis



## Recession risk | Risk of material negative impact on FIs' profitability

#### **United States**

Risk: US Federal Reserve expected to increase interest rates, but rate-hike overshoot risks triggering recession

#### **Europe**

Risk: European dependency on Russian energy is a strategic vulnerability – potential for recession if Russia withholds energy

#### Asia

**Risk:** Low risk of recession, but **potential for economic slowdown** as higher commodity prices compound shutdowns from Covid-19



#### **Retail & Commercial**

**Reduce volume** of credit issued, reducing revenue

**Default rate** may increase as rates grow & economy slows

Further possible **default cycles** 



#### **Capital Markets**

Less affordable borrowing given **higher rates**, less new **debt** issued

Fixed-rate debt devalued and higher probability of **floating** rate debt default

Equity correction likely



#### **Asset Managers**

Increased **demand for alternatives**, countercyclical investments,
including infrastructure
and select commodities
(e.g., gold)



#### **Wealth Managers**

Increased demand for counter-cyclical investments

More investments held in government **bonds and cash** 



#### **Payment Platforms**

Recession to drive **fewer total transactions** and reduce fees for payment platforms



#### **Wider Impact**

Higher unemployment

Decreased purchasing power

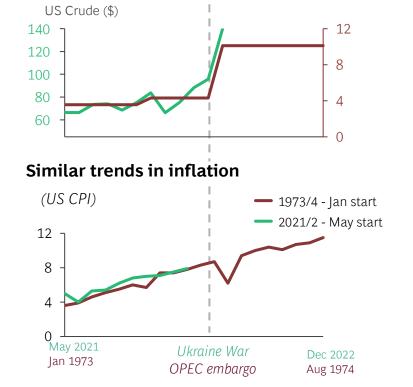
**Reduced availability** of credit



## Case study | Parallels to 1970s stagflation

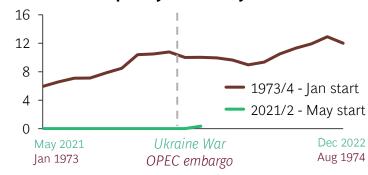
# **Similarities: Commodities-driven inflation**

#### Similarities in oil spike, but 1973 much worse<sup>1</sup>



# **Differences:**Situation and macro-fundamentals

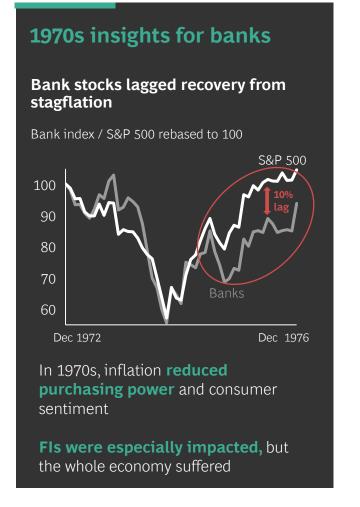
**Federal Funds Rate:** Extremely low rate now means **more policy flexibility** to tame inflation





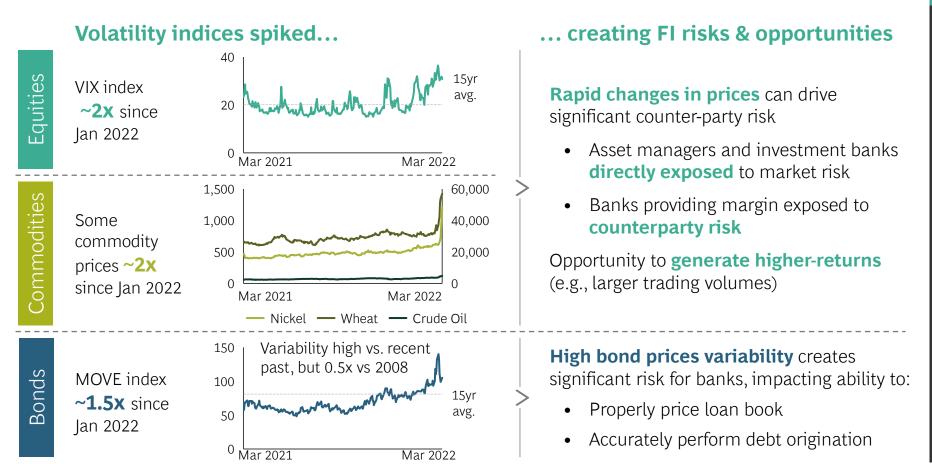


Banks have **strongest capital position on record**, giving flexibility to respond to crisis





## Volatility | Continued spikes likely to heighten counterparty risk & defaults



Mar 2022

#### **Case study: Tsingshan**

Tsingshan Holding, a Chinese steel producer, disrupted global nickel market with "short" positions

As nickel prices rallied with the war in Ukraine, Tsingshan financial position was **challenged**, requiring banks interventions

LME forced to halt trading and cancelled transactions

+246%

In Nickel price over 4 days1



## **Decoupling | Limited but increasing signs of global financial decoupling** - an extreme scenario would require new portfolio strategy

#### Today, limited evidence of decoupling between **East and West payments systems**

Example: Payments still dominated by SWIFT globally

	SWIFT	CIPS 人民币跨境支付系统 Cross-booker Hindenank Payment System
Participant institutions	11,000+1	1,288 <sup>3</sup> (of which, only <b>76</b> direct participants)
Countries & territories	200+1	1034
Payments facilitated	\$140T²	\$13T <sup>5</sup>

#### Yet some signs of increasing trend

**80% reduction** in Western Banks' exposure to Russia after 2014<sup>6</sup>

China and Russia settle their trade in own currencies, not in USD

#### **Extreme scenario: Risk of significant impact to FIs**

Company behavior impacts



**Lending:** Chinese companies could prioritize local banks; Western banks could revisit portfolio allocation considering geo risks



Forex: Renminbi could become a new reference currency in some trade corridors



High net-worth individuals: Splitting or moving liquid assets between systems to ensure wealth security

#### System impacts



**Operational model**: FIs likely to create more localized or remoteservice models for non-core markets



**Payments:** National/regional payment systems likely to emerge/grow



**Regulatory burden**: Increased cost of doing business; multiple regulatory and compliance requirements

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## **Summary | Impact varies across the different FI businesses**

Impact
High impact Minimal impact

#### **Direct**





• **Limited impact** | Low impact in the short-term, mostly related to offshore direct/indirect credit exposure

#### Indirect/medium-term

- **Default risk** | Increasing lending default risk for individuals and SMEs impacted significantly by commodity and energy prices
- **Counterparty risk** | Exposed/Russian counterparts in value chain might not be able to operate, reducing repayment ability



Capital markets & investment banking



- High volatility | Creating market risk (& trading opportunity)
- **Counterparty risk** | Increased risk of trading partners' default (directional positions)
- **Liquidity risk** | Difficult to exit some asset classes (e.g., nickel)
- **Climate** | Continued financing of fossil fuels to address energy gap vs. Net Zero commitments and banks' roadmap
- M&A | Fewer, more complex deals given risk profiles



Asset management (AMs)



- Exposure | Russia is a low share of total AuM¹ for most AMs
   Portfolio | Some AMs to maintain some exposure given
- **Portfolio** | Some AMs to maintain some exposure given difficulty of exit and long-term investment potential
- **Revenue** | Negative impact from market underperformance
- **Revenue** | Prolonged impact if continued market losses
- **Contagion risk** | Reassessing governance<sup>2</sup> and non-Western markets geopolitical, reputational risk, and contagion risk (e.g., in currencies, equities)



**Payments** 



• **Limited impact** | Low impact as no local player is significant in global value chain or global volume; payers with exposure may be more significantly impacted

- **Alternatives** | Potential increase in alternatives (including use of renminbi, crypto)
- **Regulations** | Increasing regulatory scrutiny for alternatives
- **Sovereignty** | Shift focus from international to domestic systems





- **HNWI** | Potential for knock on effects as Russian HNWI<sup>3</sup>, particularly UHNWI<sup>4</sup>, impacted by sanctions, seek to reduce exposure to western WMs, and other UHNWI clients following
- **Service model** | Evaluating operating model for clients exposed to Russia (e.g., reallocation of relationship managers)



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## FIs | Potential action plan

## Short-term Mid-to-long-term

Review client portfolio and balance sheet in light of risks and sanctions, including analyzing first-and second-order effects across the supply chain

Implement sanctions and reinforce screening capabilities across business divisions

Enhance stress tests with new scenarios, determine new limits and new business decision criteria

Review Emerging Markets portfolio and strategy for the medium and long term – identify potential risk profile changes **Reinforce screening controls** in Trade Finance and Capital Markets operations to ensure all parties are subject to screening throughout relationship

Enhance **operational resilience for cyber attacks:** invest in third party IT outsourcing capabilities, train further incident response teams, enhance IT to improve internal network segregation

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## Non-FI corporations | Potential finance-related action plan



# Hedging strategies

Rethink **hedging strategies** as near-term market volatility (e.g., foreign exchange, bonds) impacts prices

Analyze positions in 'atrisk' areas (i.e., commodities, emerging markets) and **hedge operationally and financially** for price increases



# Balance sheet strategy

Re-evaluate allocation of surplus cash on

investments by analyzing updated risk and return outcomes

Reduce counterparty and credit exposure: minimize open positions; do not over-expose in new

do not over-expose in new positions

**Secure long-term capital** now when able, at lower cost



#### **Cyber-attacks**

Scenario plan for potential impacts of cyber-attacks on financial operations (e.g., diversify banks used)

Invest in **third party IT sourcing capabilities** to avoid operational disruptions

Enhance IT infrastructure to be able to quickly segregate impacted infrastructure



# **Payment** disruptions

**Diversify payment methods** including new types of currency (e.g., cryptocurrency)

Assess robustness of payment solutions and scenario plan for disruption e.g., back-up alternatives

Re-assess supply chain in light of disruptions in payments and expanding trade compliance requirements



# M&A, IPOs, & Debt

Reassess expectations for timing and volume within the business and banking partners – given potential market slowdown as uncertainty and caution continue

Scan for opportunities depending on risk-return profile considerations, accounting for alternatives to pre-war investments

Source: BCG experience & analysis

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## **Teams across BCG are monitoring impact**

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