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Source: SEQ lega



#### Foreword

The key objective of this document is to provide an unbiased analysis and develop a strategy of achieving a sustainable peace and equilibrium in the world. We do not support any stakeholder of the current situation.

The analysis is based on a hypothesis-driven approach. The information herein was collected and analysed to the most accurate of our knowledge; however, the risk of inaccurate data or fake news cannot be excluded.

#### The key highlights of the analysis:

It is suggested that a long-term sustainable peace can be achieved though integrating Russia into a system where its interests are aligned and interdependent with the Europeans, which will make war unthinkable and materially hard to conceive. The key steps to achieve this:

- 1. France leads the initiative (as it has already shown the signs of leadership), with the US, UK and EU providing support as an advisory committee on behalf of EU and NATO, while Ukraine and Russia represent their own interests.
- 2. China may play a facilitator role, as escalation between Russia, Ukraine, and the EU may not be beneficial for them.
- 3. Develop an initial agreement based on a marriage of benefits between Western countries, Ukraine, and Russia: Key discussions to be (i) Economic cooperation to make war in Europe unthinkable and materially impossible; (ii) Removal of sanctions; (iii) Withdrawal of Russian troops from Ukraine; (iv) Development of a NATO / Russia security agreement, etc.

To see more about how to accomplish the above points, visit the subsequent pages.

## This report was prepared using the below sources



## +12 sector professional stakeholders



Investor and large business owner with investments in Russia



Business owner in a European country



Head of risk department in a major European bank



Partner in a large multinational advisory company



Director in a large multinational advisory company



Director in a large multinational advisory company



Director in a large multinational advisory company



Strategist in a large multinational advisory company



Strategist in a large multinational advisory company



Professor at a prominent University located in Europe



Head of line of service at a credit risk rating company



Expert in the Central Bank of an Eastern European country

Former militaries from European and Middle East countries



## +14 sources and +100 articles































## Our approach

We established a base for freely designing a strategic plan by understanding the direction of the conflict and who should lead the proposed steps highlighted in this document.



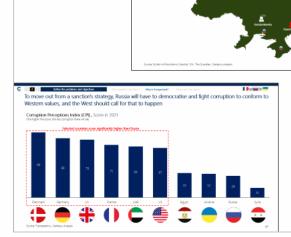




We assessed tactics of the key stakeholders and suggested additional actions and factors that should be considered by Western nations within the defined key problems and objectives.

example, Zaporizhzhia Nuclear Plant was damaged by a fire on March 4, 2022





Finally, we designed a strategy that may work for securing peace in Ukraine, finding a sustainable relationship between the East and West and strengthening a healthy competition between the West and China.







Source: Cartesius Analysis

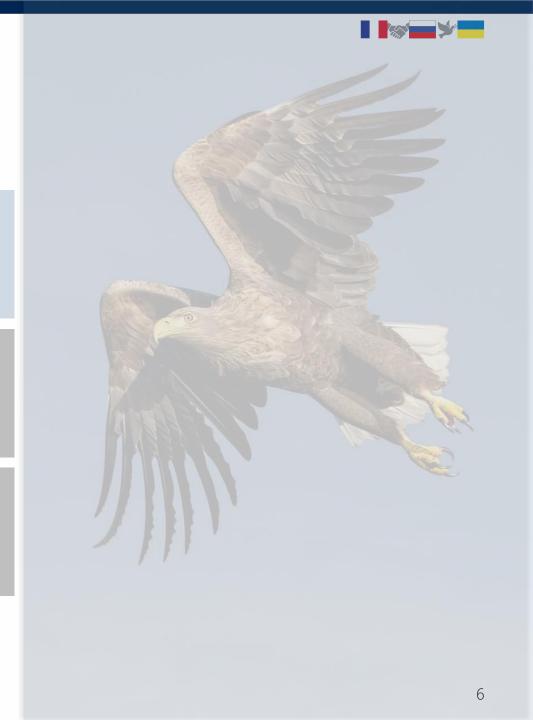


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Cartesius is an international association of strategy consultants based in France and the United Arab Emirates specialized in devising strategies to promote sustainable development and ESG investments that increase global prosperity

## Our purpose

Our mission is to support both public and private sectors by ideating and developing science-driven strategies that have a high impact on attaining national prosperity through sustainable development and impact investments



Name Cartesius



France



Type
Non-profit
strategy consulting



it 17 U Ilting ESG Ir



FOCUS
17 UN SDGs
ESG Investment



Website www.cartesius.fr



Contact contact@cartesius.fr 34 Av. des Champs-Élysées, 75008 Paris



Our association is named after the great philosopher, mathematician, and scientist René Descartes (Renatus Cartesius) who believed that true knowledge comes only through the application of pure reason. This is the principle that we follow in our work as we impact socially conscious stakeholders in making the right decisions towards a more sustainable and prosperous world





## Enrique Castillo Schwank The author – President of Cartesius

About the author: Enrique Castillo Schwank is a vieux soldat of an elite regiment of the French armed forces, where he served as a parachutist with honour and fidelity for almost 7 years and received multiple medals, including the cross for military valour.

At present, Enrique is **employed by a leading strategy management consulting** firm that advises governments, large and small companies and investment funds across different industries on commercial due diligence, growth strategies, policies, transformation and value creation projects across the Middle East.

He is the **founder of Cartesius, a nascent <u>non-profit association</u>** based in France with a strong commitment to support decision makers achieve the 17 UN Sustainable Development Goals through ESG investment.

Enrique's heart is French, and his wife is Russian; he loves France and respects Russia, Ukraine, and every country in the world.

VIVE LE MONDE! VIVE LA FRANCE! VIVE L'UKRAINE, VIVE LA RUSSIE, VIVE LA VIE!



#### To the Reader of the Report,

My name is Enrique, I was born in Latin America, I grew up with French affinities due to my ancestry and present-day French relatives. I am currently a manager in strategy management consulting firm and an "ancien combatant" of the **French Foreign Legion**. I served in multiple missions across the world, including Afghanistan.

In 2008, I joined the French Foreign Legion, in 2009, I had the honor to parade Infront of the commander in chief of the army, it was Nicolas Sarkozy in the Champs Elysees, and in 2010, I was serving in a mission in Afghanistan.

While being on this mission, I remembered being a child on 9/11, 2001. My father picked me up from school and put the radio on where they were announcing that terrorists had destroyed the World Trade Center. I did not know what that meant at that time...

Ten years later, being at the French Foreign Legion, I served as part of the French army, assisting our American colleagues. As soon as I stepped foot in Afghanistan, I saw Soviet mines and destroyed vehicles, I also saw US hummers that had been destroyed with such violence that I could immediately feel the pain of the soldiers inside. We were marching across the mountains to set up our position near a village where ground forces would be shortly arriving to give charity books and food to the people as part of our commitment as peacekeepers. My role was to observe the safety of those troops and of the people living in that area. At one moment, we spotted insurgents who were shooting towards our troops, and to save the lives of our comrades we had to enter a fight and neutralize them. This is where I understood what the war was.

I was and I will be always at a service to France, however I appreciate that the best approach to resolve issues shall be through diplomacy.

I am also familiar with the Russians and their mentality, as I served back-to-back with many of them at the French Foreign Legion; my wife is Russian, and I have visited Russian battlefields of the WWII and Napoleonic times to study strategies from books to my imagination on natural terrain. In the past few years, I have had the opportunity to interact with multiple Russian militaries; I was invited to 2019 WWII Commemoration in the Red Square sitting 15 meters behind Russian President speaking in live to 7,000 of his active troops and veterans. I also had an opportunity to meet the WWII veterans and participated in an official search of the WWII soldiers (Russian and German) to give them honors and peace. This is where I again understood what the war was.

While participating in that search for the soldiers, I had been thinking that those who fought and died on this battlefield could have been in a bar together, drinking a nice beer and talking to beautiful women, not dying here because of macroeconomic and ideological reasons.

I have a unique perspective that allows me to see a war through three lenses: (i) as a soldier, (ii) as an economic analyst, (iii) and as a strategist at decision—makers' tables, as I currently advise ministers, CEOs, and other key decision—makers in strategic challenges, often related to economics or national prosperity pillars.

In the current Russia-Ukraine military actions, the decisions made appear to be leading Europe and the United States towards a less competitive position in the future and may push Russia closer to China, disbalancing the global macroeconomics; that is turbulent change that can start new conflicts.

The objective of my analysis is to brainstorm and come up with ideas that could promote a sustainable piece that will be profitable for all the stakeholders and, ultimately, may give ideas to the people at power for a potential solution.

Kind regards, Enrique

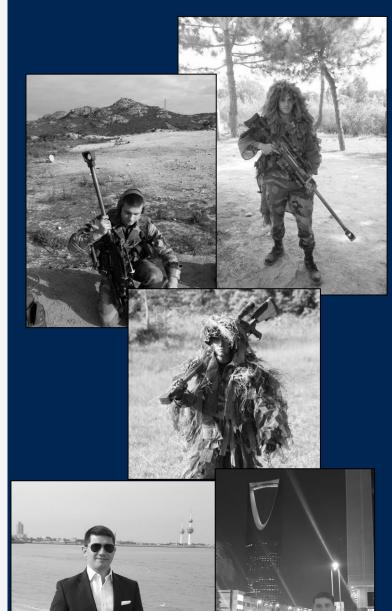




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## At a glance

- 1. | Do the current foreign policies allow us to keep the world balance?
- The world is disbalanced due to security uncertainties caused by both NATO's and Russian expansion of influence that resulted in the current crisis.
- Current policies might worsen the current situation because economic pressure from Western countries have been applied to Russia, but those did not ensure a sustainable peace and made Russia more distant from Western countries and closer to China, as it seeks solutions.

#### 2. | Will it be beneficial to follow the same approach in order to reach a sustainable peace?

- Like in a "prisoner's dilemma," if every player chooses what is best for them, they will find themselves in a worse scenario. The most profitable equilibrium comes from collaboration and trust. Any disbalanced position will cause a lower "pay-offs" for both sides.
- $\delta$  Continuing to apply escalations and pressure measures may bring us to the worst scenario where none of the parties will benefit.
- The worst-case scenario may imply larger military actions with multiple courtiers involved along with the secondary effects, like immigration pressure and weapons flowing to the EU that can be used by criminals or terrorists (Europe should consider this very seriously).
- Current steps have already impacted the EU through larger inflation and energy prices increase. In absolute numbers, the EU may lose \$5 against Russia's \$1 in the market value of all the finished goods and services produced.
- The EU will lose a significant trade partner while pushing Russia to seek more support from China and OPEC members disbalancing the current equilibrium.

#### 3. | Will it be beneficial to explore alternative solutions to bring the world equilibrium?

- To achieve a sustainable peace, Russia shall be integrated into a system where its interests are aligned and interdependent with the Europeans, which will make war unthinkable and materially hard to conceive.
- The format proposes that France leads the initiative (as it has already shown the signs of leadership), with the US, UK and EU providing support as an advisory committee on behalf of Europe and NATO, while Ukraine and Russia represent their own interests.
- A China may play a facilitator role, as escalation between Russia, Ukraine, and the EU may not be beneficial for China's economic interests.
- Develop an initial agreement based on a marriage of benefits between Western countries, Ukraine, and Russia: Key discussions to be (i) Economic cooperation in the long run to make war in Europe unthinkable and materially impossible; (ii) Removal of sanctions; (iii) Withdrawal of Russian troops and respect of sovereignty of Ukraine; (iv) Development of a NATO / Ukraine / and Russia security agreement; etc.
- Set up a special purpose office in France to led the key initiative
  - Nominate a leader (suggestion: nominate Édouard Philippe as an ambassador of this new institution)
- Create a new economic system transcending French and Russian borders and a supranational authority
  - Short-term, design an economical agreement to be rectify after "key asks" are met (e.g., security agreements for Ukraine and Russia etc.) Consider a free trade agreement of selected products
  - Mid to long term, identify cooperation areas that would be more effective deterrents Consider a monetary union (using the same currency) and ultimately add more advanced integration tools).
  - Set up a supranational authority, similar to the European Coal and Steel Community (1952), that will govern the newly-created economic system to make war unthinkable and logistically impossible.
- Link the new economic system to a mechanism of democratization for Russia to align with European values based on the creation of a democratization body
  - Create democratization body / committee
  - Define a set of Key Performance Indicators for the democratization body that, when achieved, will enable different badges of economic benefits.



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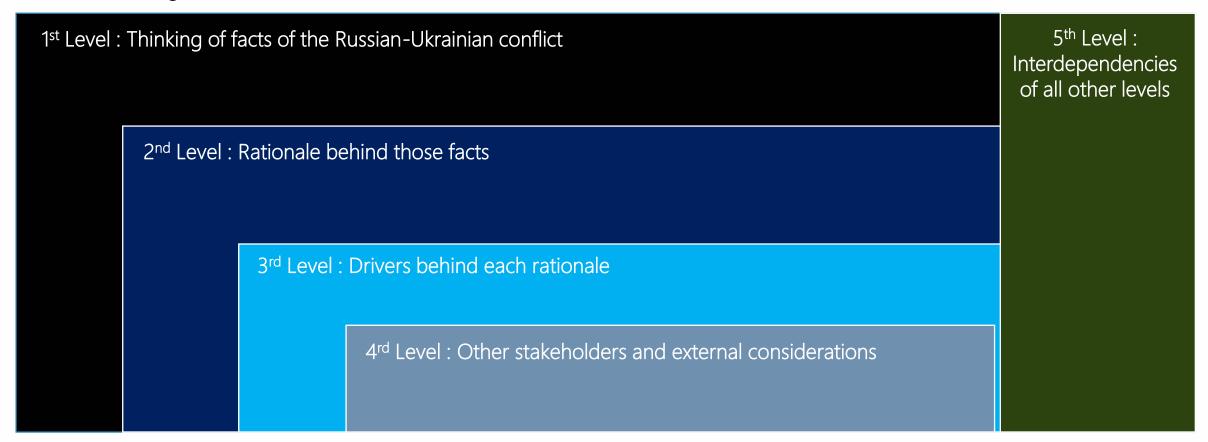






In this document, one of the key considerations is identifying the interdependencies that exist within the current environment to develop a strategy that is both realistic and sustainable

Levels of thinking involved in this document

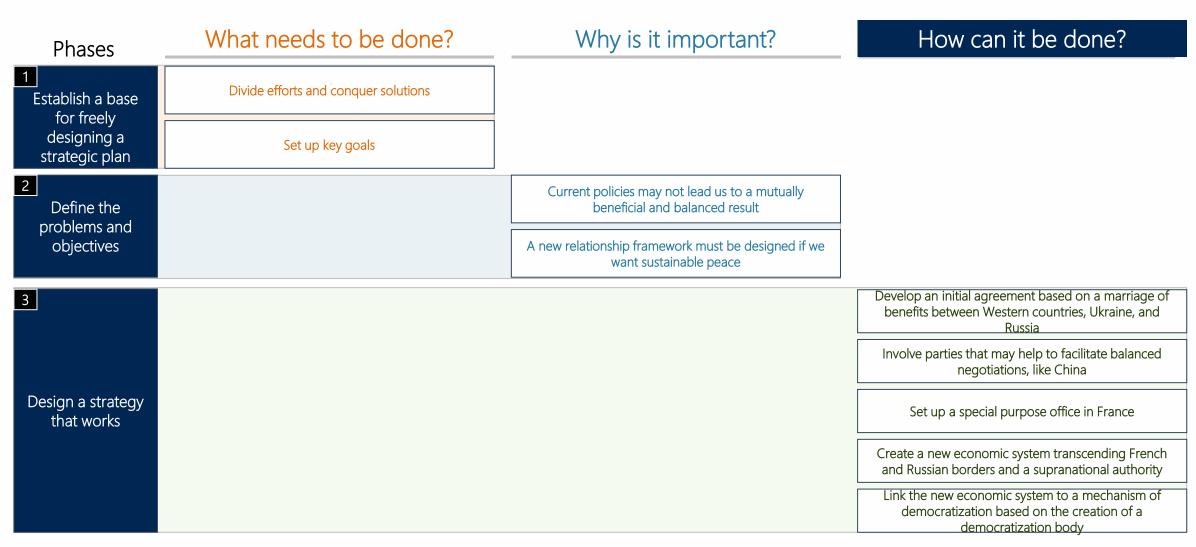


Source: Cartesius Analysis





## We used the following strategy framework to assess the current situation and make a recommendation



Source: Cartesius Analysis

## Like in a game theory - every player chooses what is best for them, but the best solution comes from collaboration and trust (This also makes the players' actions predictable)

This model is inspired by the "prisoner's dilemma" concept and mathematically models that the most beneficial equilibrium for the EU, Russia, and Ukraine can be reached only though de-escalation, negotiation, and collaboration between both parties.

Both sides must be willing to make concessions to maintain a sustainable piece. In this mathematical framework, each player gains points based in which coordinate they decide to play

#### Western actions universe ● ● ●

personal

8	Eager to have a mutually beneficial alliance with Russia
7	Mediate to reach balanced negotiations
6	Sanction the Russian government
5	Maintain a mass media pressure
4	Sanction Russian private sector and community
3	Support military actions through material & equipment
2	Support military actions through provision of selected

Full embargo of Russia and Russian people

Military interventions (open war)

More benefits, t	thus, more points for Ru
8	7

Best

options







Involvement of contractors from other countries (i.e. Middle East,)



Russian actions universe



8	0
7	0

12	6	0

		Ů
8	4	0



4	2	0

2	1	0

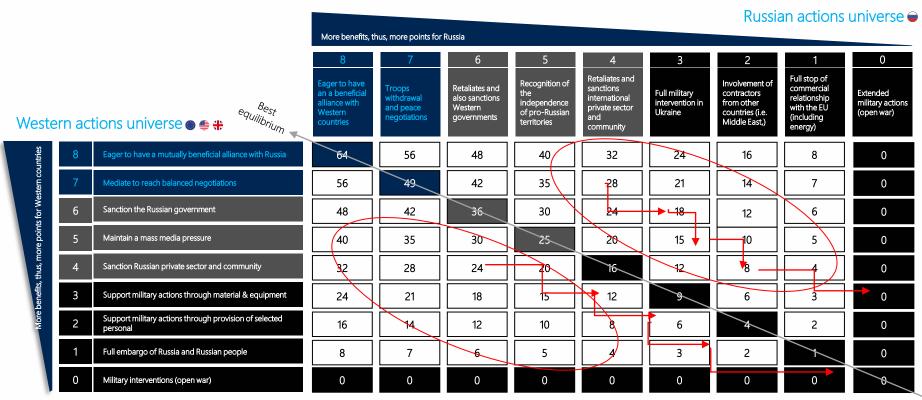


More benefits, thus, more points for Western countries

Source: Cartesius Analysis



Any disbalanced position will make the other party to react and cause lower "pay-offs" for both sides; only equilibrium points will be allowed to stop escalation and find the way out



If the EU appears to be in one of those positions, Russia will reply with counter actions that consequently will bring both sides to the worst scenario.

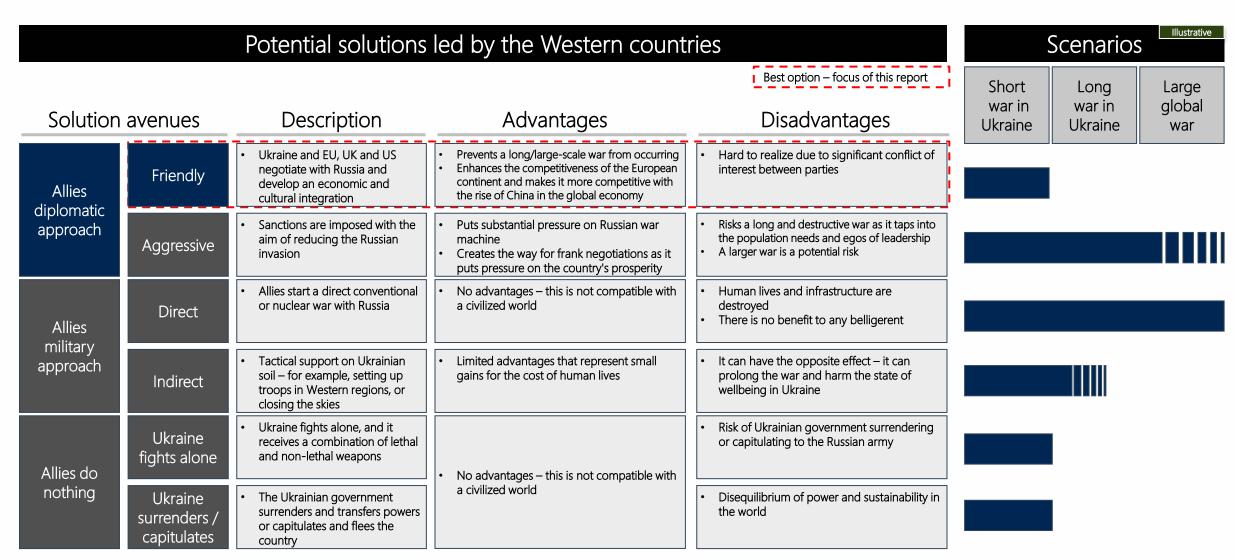
If Russia appears to be in one of those positions, the EU will reply with counter actions that consequently will bring both sides to the worst scenario.

Zero-sum game – it opens an opportunity for external players to enter the playing field at a competitive advantage (e.g., US and China in this scenario).

Immediate actions of stopping the escalation from both sides must be taken now until we reach the bottom of the imaginable options.

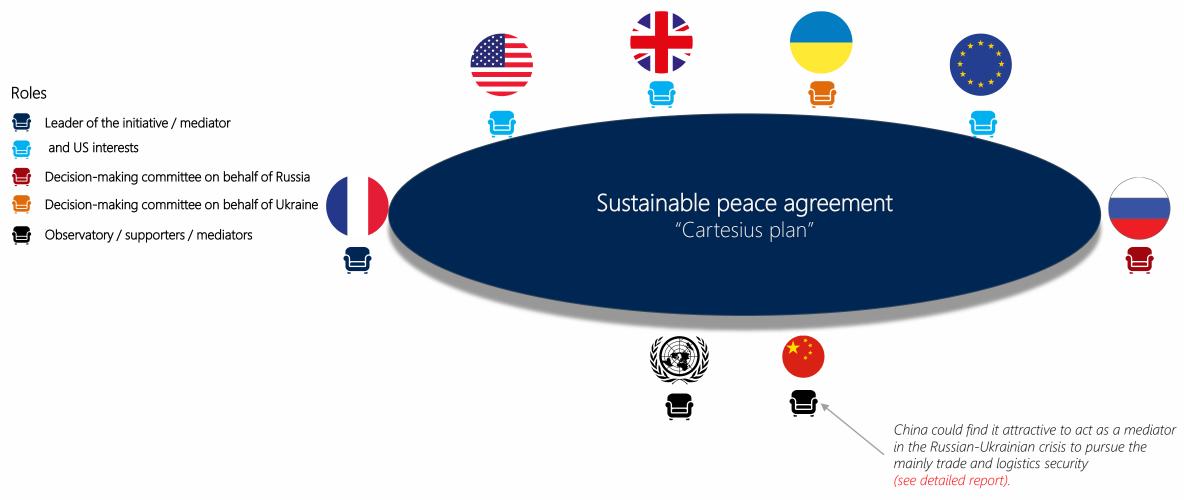


Multiple solutions exist for the current crisis; best option would be a friendly diplomatic approach that could end the war quickly and maintain an equilibrium



Source: Desktop research, Cartesius Analysis

The analysis proposes that France lead the initiative, with the US, UK and EU providing support as an advisory committee on behalf of the EU and NATO, while Ukraine and Russia represent their own interests – China could facilitate the sustainable peace agreement



**Note:** Instead of France, it could be another country. However, France, is well positioned as it has historically demonstrated to be interested in the liberty, fraternity and equality of people. Moreover, President Macron has been negotiating with Putin as the President of France and Head of the European Union. Source: Interviews, Cartesius Analysis



# This format represents attractive advantages to unite spirit but separate responsibilities for a more effective implementation

## Strategic roles Advantages









Meetings can be organised easily

Relevant stakeholders have the right to participate in the process

Market Represent Ukraine's and Russia's interests more effectively

Establishes trust and enables an easy format for obtaining concessions benefiting NATO, EU partners, Ukraine and Russia

Source: Cartesius Analysis



Non-exhaustive

France & the rest of the world want peace and a democratic Russia, Ukraine wants Russian troops to leave their country, and Russia wants security guarantees

#### Western allies



Democracy into Russia

Peace

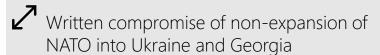
#### Ukraine





Integration to European Union

#### Russia



Guaranteeing control/limits on advanced/nuclear militarisation of Ukraine



We need to find our north star – the universe is bigger than our problems



The bifurcation between NATO and Russian expansion of influence has resulted in Russia militarily intervening in nearby sovereign states, such as Georgia and Ukraine, in part for their ambition to join NATO

An overview of selected historical events - non-exhaustive

#### Bucharest summit of 2008



Bucharest Summit of April 2008 where NATO welcomed Ukraine and Georgia as potential members "We agreed today that these countries will become members of NATO"



Moscow's response to the Bucharest Summit in 2008 was a "direct threat" to Russia



A war between Russia and Georgia in August 2008 - in part as a consequence of the Bucharest Summit

#### Crisis in Ukraine in 2014



Ukraine tries to join the EU but is unsuccessful, apparently due to Russian influence. After President Yanukovych said no to the EU, Russia announced a USD 15 Bn loan



Maidan protests start as a consequence of the failure to join the EU, resulting in significant deaths over January and February 2014



President Yanukovych (pro-Russian President) fled the country in February 2014 as a result of the protests



Russia took over Crimea (levering their already existent presence in Sevastopol) as a result of pro-Western sentiments and influence in Ukraine

#### War in 2022



Ukraine purchased 210 Javelin anti-tank missiles and 37 launchers in 2019



Russia conducts intimidating exercises in their borders (+100k soldiers) and demanded for legallybinding security guarantees to the US - Unfavourable response from the US to Russia



Ukraine receives 80k tons of ammunition from the United States in 2021



Up to 2021 and since 2010, Ukraine has received USD ~2.6 Bn of security assistance from the United States with a peak in 2019 and 2020, with USD ~400 Mn each year



90 tons of US military aid arrived in Ukraine in 2022 (pre-invasion time)



Russia invaded Ukraine, and Putin warned countries that an intervention from their side in the Ukrainian invasion will have "consequences you have never seen" and a few days later ordered its nuclear forces to be in alert

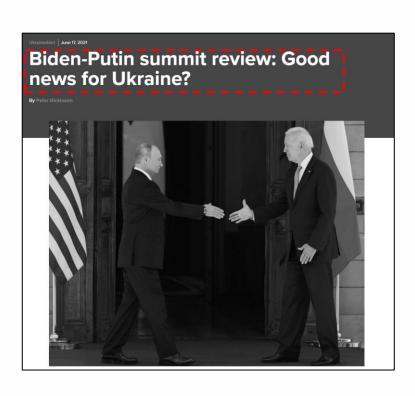
## Over the past years, Western countries have put significant efforts in but failed to prevent the Russia-Ukraine conflict



News on the 17th of June 2021

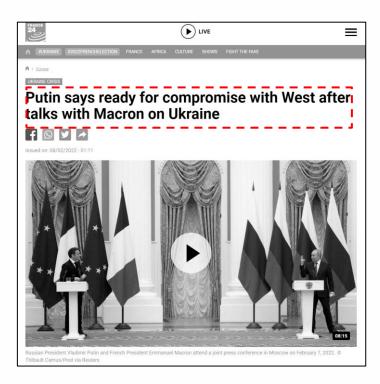
News on the 21st and 23rd of December 2021

News on the 8<sup>th</sup> of February 2022









Source: Reuters, Insider, Cartesius Analysis

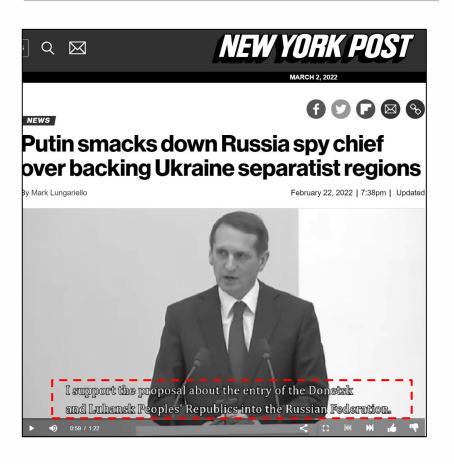
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Furthermore, Ukraine seems to have failed to see the hints that Russia was doing more than just recognising Donetsk and Lugansk as republics



News on the 22<sup>nd</sup> of February 2022



News on the 24<sup>th</sup> of February 2022



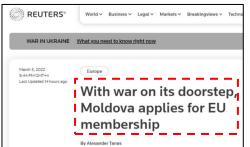
## Recently, several countries have applied to the EU, and Russia doesn't seem to oppose it

### News on the 28<sup>th</sup> of February, 1<sup>st</sup> and 3<sup>rd</sup> of March 2022









#### Why does Russia not join the EU?

#### It is not advantageous for the EU – (perceived, non-exhaustive)

- Russia will have a dominance in decision-making as the seats in the European Parliament are based on population.
- Incompatibility with EU values due to current levels of perceived corruption. Russia will need reforms in their law
- Incompatibility with EU current democratic system. Russia will require significant changes in legislation.

#### It is not advantageous for Russia – (perceived, non-exhaustive)

• Russia will have to sign the Charter of Fundamental Rights of the European Union and accept EU policies to gain access to key member privileges.

A major consideration for all parties is the requirement under the EU for member states to provide assistance by every means possible to a member state that has been attacked on its territory

#### Mutual defence clause (Article 42.7 Treaty on **European Union**)

"If a Member State is the victim of armed aggression on its territory, the other Member States shall have towards it an obligation of aid and assistance by all the means in their power, in accordance with Article 51 of the United Nations Charter. This shall not prejudice the specific character of the security and defence policy of certain Member States.

Commitments and cooperation in this area shall be consistent with commitments under the North Atlantic Treaty Organisation, which, for those States which are members of it, remains the foundation of their collective defence and the forum for its implementation"

#### Charter of the United Nations (Chapter VII — Action with respect to Threats to the Peace, Breaches of the Peace, and Acts of Aggression) (Article 51)

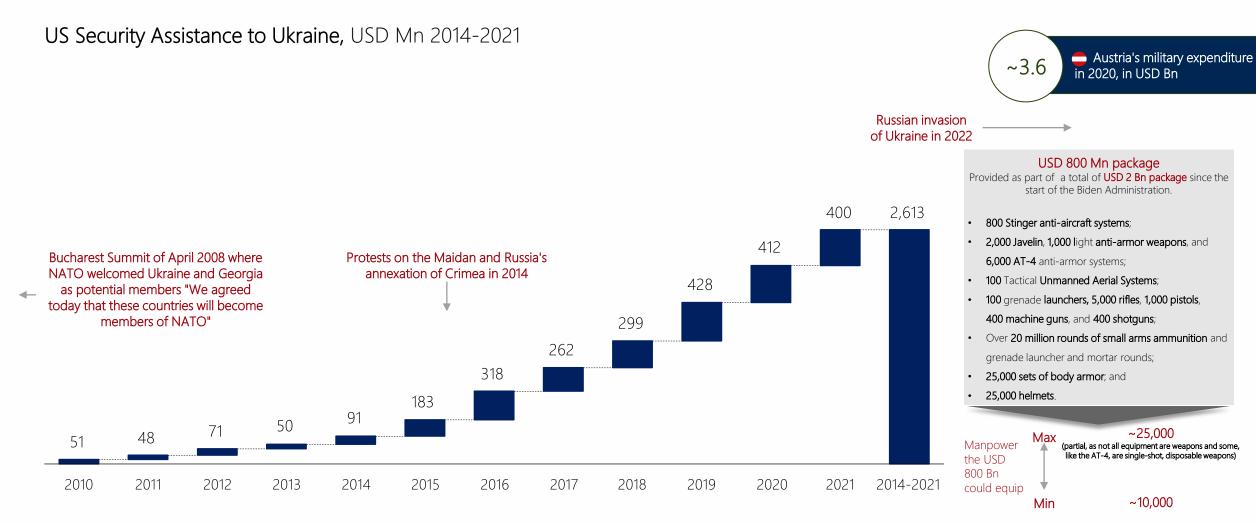
"Nothing in the present Charter shall impair the inherent right of individual or collective self-defence if an armed attack occurs against a Member of the United Nations, until the Security Council has taken measures necessary to maintain international peace and security. Measures taken by Members in the exercise of this right of self-defence shall be immediately reported to the Security Council and shall not in any way affect the authority and responsibility of the Security Council under the present Charter to take at any time such action as it deems necessary in order to maintain or restore international peace and security."

Source: Europarl, Legal UN, Cartesius Analysis 25





US alone has provided Ukraine with USD C. 2.6 Bn between 2010 and 2021, to compare, Austria's military expenditure in 2020 was USD 3.6 Bn – As of 2022, Ukraine received additional means to defend their sovereignty, with one economic package being equivalent to at least 10k-25k armed soldiers (USD 800 Mn)



## There is a nuclear component in this situation, albeit a symbolic / tactic one, for now



#### News on the 19<sup>th</sup> of February 2022



A few days before the invasion, President Zelensky said at the Munich Security Conference that Ukraine should rethink its nuclear weapon renunciation, moving back from Ukraine's commitment made in the 1990s

### News on the 24th of February 2022



Soon after the invasion from the north, south, and east, the Russian armed forces captured the Chernobyl power plant

#### News on the 02<sup>nd</sup> of March 2022



"The military operation in Ukraine, including Kiev, is aimed at disarming Ukraine. Russia will not let Ukraine obtain nuclear weapons,"

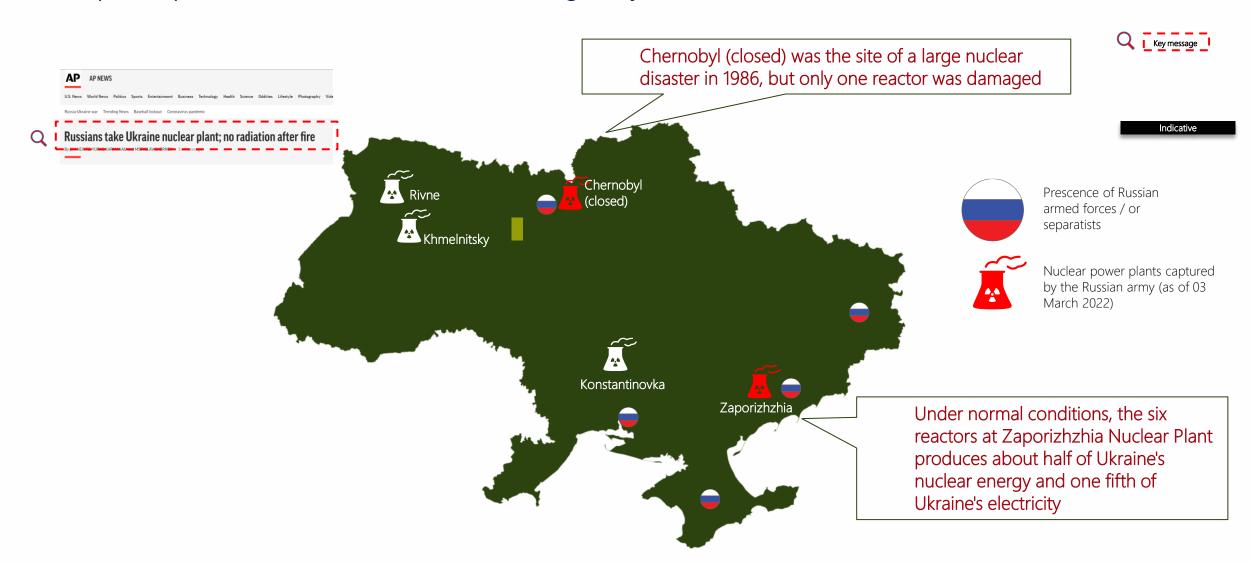
Al Jazeera quotes Lavrov

News on the 4<sup>th</sup> of March 2022



Russian forces have seized the largest nuclear plant in Europe

# A direct nuclear accident is possible, and its effects could be worse than the 1986 Chernobyl disaster, for example, Zaporizhzhia Nuclear Plant was damaged by a fire on March 4, 2022





Beyond direct nuclear accidents, there is the possibility of a direct nuclear confrontation triggered by misunderstanding, unnecessary tensions, or escalation – it almost happened before when the world was at the blink of a nuclear war



### Historical Case Study – Cuban missiles

During the Cuban missile crisis, Vasili Arkhipov refused to press the "red button" from a submarine, preventing a nuclear chain reaction. This happened while US forces began dropping non-lethal depth charges on his submarine.

(This is one example among many that are publicly available online.)

#### News on the 24<sup>th</sup> of February 2022

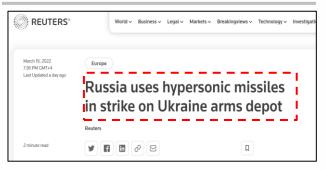




#### News on the 27<sup>th</sup> of Feb. 2022



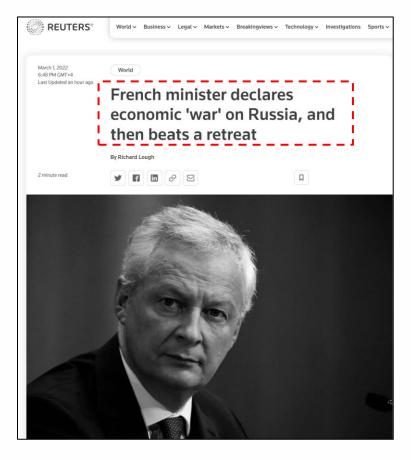
#### News on the 19<sup>th</sup> of March 2022



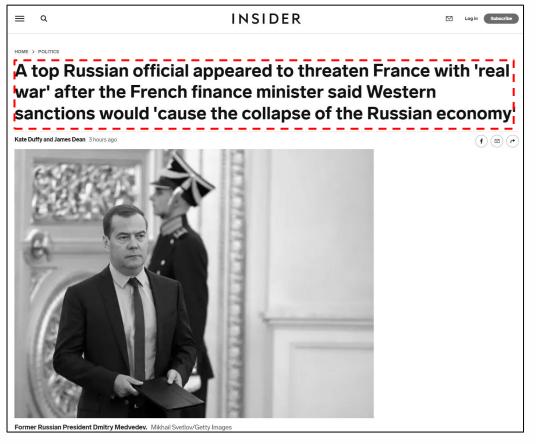
The danger of misunderstandings is especially high when sanctions are accompanied by non-objective language...



#### News on the 1st of March 2022







Source: Reuters, Insider, Cartesius Analysis

Key message

Non-exhaustive

... and when the media is supporting violence against Russians; furthermore, some international companies are firing Russians, including many who opposed the Russian military actions in Ukraine









## Companies pausing activities in Russia



# With severe sanctions, WWIII is not impossible - harsh economic conditions imposed on Germany after WWI contributed at least in part to the outbreak of WWII

In the Treaty of Versailles, France's severe economic requirements against Germany played a significant role in the outbreak of WWII – Similar events could happen in the current crisis.

#### Historical Case Study

#### Treaty of Versailles

Germany was harshly punished by European countries for its role in World War I, an act that contributed to the World War II.

This is because Germany could not afford to pay such a large amount in reparations without endangering the entire European economy.

The train wagon in which the armistice ending World War I was signed on 1918, seen on March 24, 1941



### Selected news on February and March 2022

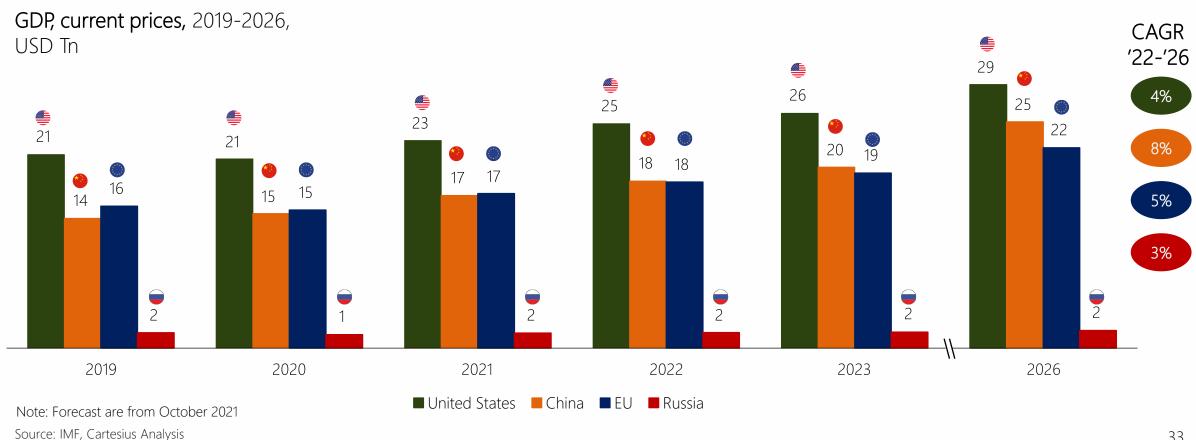




"We have to make sure we do not impose sanctions that we ourselves could not bear" German Minister of Economy, Robert Habeck

## US is the world's largest economy, but China is growing twice as fast; therefore, to maintain equilibrium and healthy competition, a stronger Europe and balanced Russia would be helpful

For Europe to be competitive and for the US to remain as the biggest economy, Russia must be in the European trade, even if it is not part of the EU.



Imports to Russia represent 14% of GDP and are spread across a wide range of goods and services that could be easily substituted by domestic production or imports from Asia

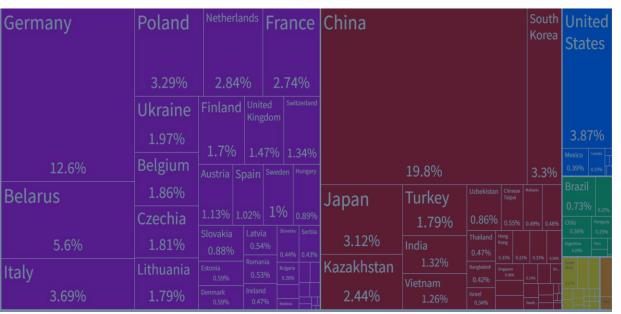
Imports from Europe are significant; however, some imports can be substituted by domestic production (e.g., Russia invested in the production of agri-foods like cheeses after banning some imports in 2014)



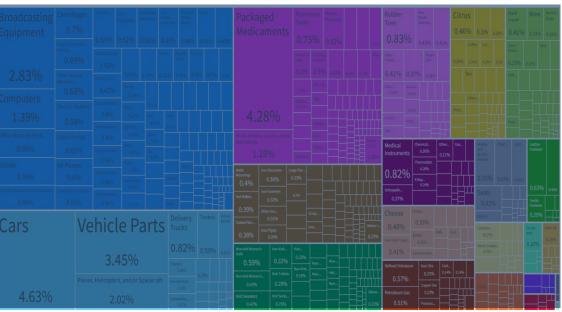
Russian imports from the world, 2019, % of USD bn

Russian imports by product, 2019, % of USD bn

#### USD 238 Bn



#### **USD 238 Bn**



Source: OEC, Cartesius Analysis

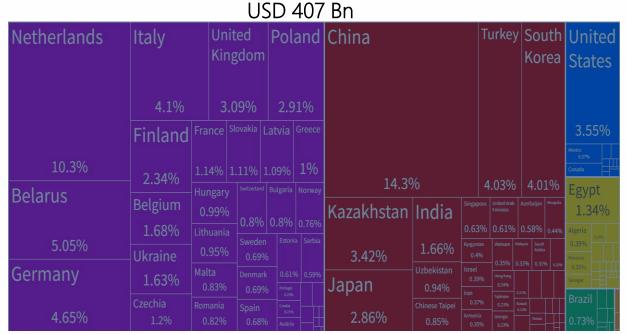
However, Russian economy depends heavily on exports; 60% of which are mineral products, mostly, oil and gas exports to European countries; sanctions to exports could pose a serious setback for Russian economy

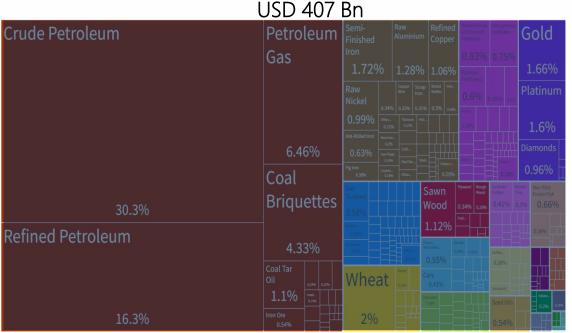
+60% of Russian exports are mineral products, mostly O&G exported to European countries, like the Netherlands



Russian exports to the world, 2019, % of USD bn

Russian exports by product, 2019, % of USD bn



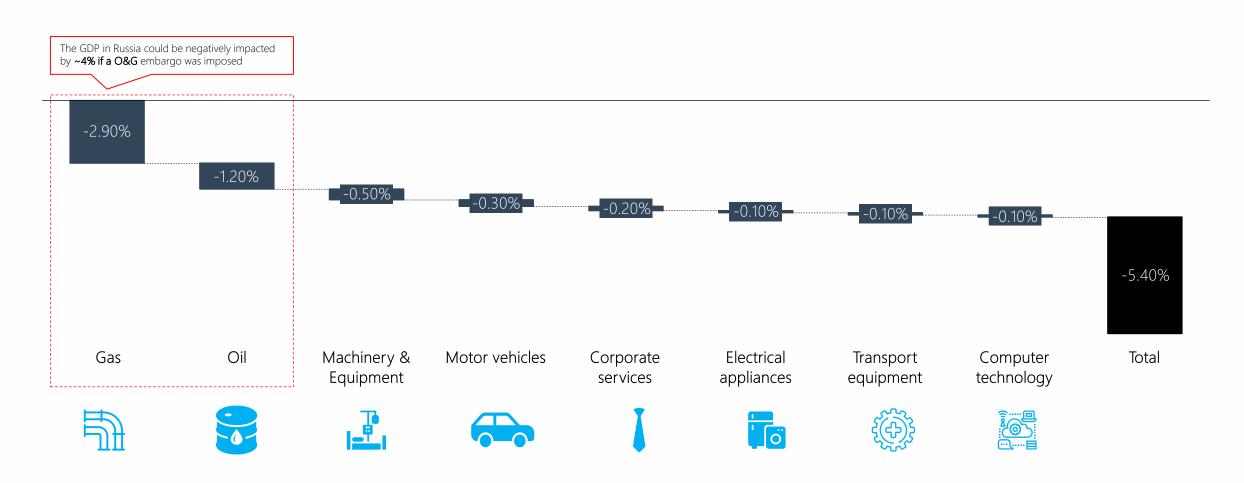


Source: OEC, Cartesius Analysis

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# A total O&G embargo could severely harm Russian economy, resulting in a ~4% decrease in the Gross Domestic Product (GDP)...

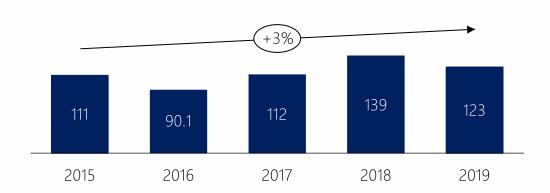
Estimated change in Russian GDP by sector due to potential Western sanctions, 2022



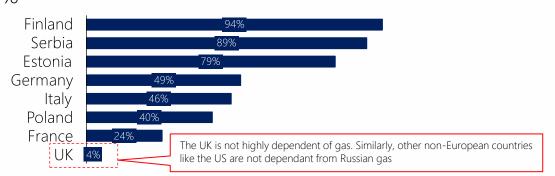
Source: Statista, Cartesius Analysis

# ...but it is unlikely that EU countries could introduce full embargo in the immediate term as many are highly dependent on Russian gas – other countries like the US and UK depend less

Russian mineral products<sup>1)</sup> exports to Europe, 2015-2019, USD bn



Share of gas supply from Russia by selected country, 2020,



Major natural gas pipelines					
Pipeline	Status	Capacity (tn cf/year)	Total length in miles	Markets	
Yamal-Europe	Operating	1.2	1,000	Poland, Germany and northern Europe	
Bluestream	Operating	0.6	750	Turkey	
Nord Stream	Operating	1.9	759	Germany and northern Europe	
Nord Stream 2	Built but not certified	1.9	745	Germany and Europe	
Yamal-Europe	Operating	1.2	4,107 (2,552)	Poland, Germany	
Urengoy-Ukhta, Bovanenkovo-Ukhta, and Ukhta-Torzhok	Operating	5	1,300	Western Russia and Europe	
Soyuz and Brotherhood	Operating	3.5	2,800	Western Russia and Europe (via Ukraine)	
Southern Corridor	Under construction	2.2	1,560	Turkey and Europe	
Turkish Stream	Under construction	1.1	>500	Turkey and Southern Europe	

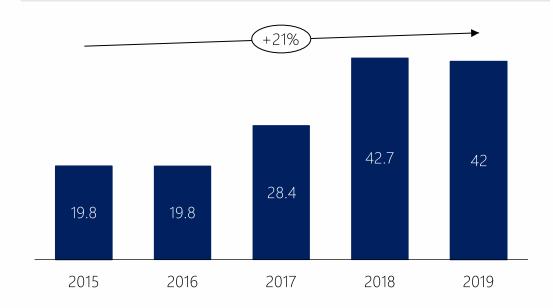
Major oil					
Pipeline/Port	Status	Capacity (mmbbl/d/year)	Total length in miles	Markets	
Druzhba	Operating	2	2,500	Europe	
Baltic Pipeline System 1 &2 /Ust' Luga& Primorsk	Operating	2,1	730	Gdansk, Rotterdam, Immingham, Le Havre	
CPC / Novorossiysk	Operating	1.3	940	Trieste, Genova,	
Baku- Novorossiysk Pipeline	Operating	0.1	830	Marseille, Tarragona, Sines	

Source: Fitch, OEC, Statista, Gov.UK, Cartesius Analysis

# In the short-term, it appears that China is planning to buy more Russian minerals, including 1.7 tn cf deal with gas, which makes Russia more resistant to Western sanctions

Russian mineral products<sup>1)</sup> exports to China, 2015-2019, USD bn

- Exports of mineral products to China are growing 7x faster than to Europe
- Russia aims to supply China with 1.34 tn cf of gas by pipeline by 2025 and add further 0.4 tn cf (Power of Siberia 2)



Major natural gas pipelines					
Pipeline	Status	Capacity (tn cf/year)	Total length in miles	Markets	
Sakhalin-Khabarovsk- Vladivostok	Operating	0.2	1,100	Eastern Russia with potential exports to Asia via proposed Vladivostok LNG or new pipelines	
Power of Siberia 1 ("Eastern route" for exports to China)	Operating	3.5	> 1,200	Northeast China with a later extension to connect with the Sakhalin- Khabarovsk-Vladivostok pipeline	
Power of Siberia 2 (Mongolia/Western route) including Soyuz- Vostok	Planned	1.7	1,620	China	

Major oil pipelines				
Pipeline	Status	Capacity (mmbbl/d)	Total length in miles	Markets
Omsk-Pavlodar-Atasu Pipeline	Operating	0.2	650	Pavlodar refinery in Kazakhstan and China via the Kazakhstan-China Pipeline
Eastern Siberia-Pacific Ocean (ESPO) Pipeline	Operating	ESPO-1: 1.2 ESPO2: 0.6 China spur: 0.4	ESPO-1 – 1,700 ESPO-2 – 1,300 Daqing spur – 660	Pacific seaport of Kozmino with a spur to Daqing, China
Purpe-Samotlor Pipeline	Operating	0.5	270	Connects to ESPO Pipeline
Zapolyarye-Purpe Pipeline	Operating	0.6	300	Connects to Purpe-Samotlor and ESPO pipelines
Kuyumba-Taishet	Operating	0.16	440	Connects to ESPO Pipeline

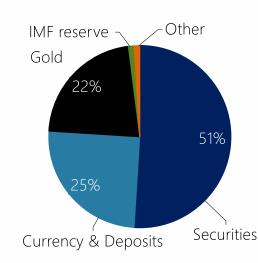
Russian economy is likely to suffer from sanctions, most noticeably in the central bank and private sector; as a result, the deteriorating living conditions and casualties in Ukraine could lead to widespread discontent in Russia, potentially culminating in riots

Non-exhaustive

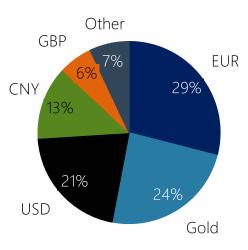
#### Key insights

- Russian FX reserves (excluding securities) are held overseas by 62.3%.
- As a result of the Central Bank of Russia's sanctions, the bank will have difficulty accessing significant amounts of its foreign currency reserves, as well as be unable to conduct foreign exchange intervention operations.
- Since the Central Bank of Russia has fewer options left to control price stability, it is expected of the Central Bank to begin aggressive monetary tightening in 2022 after raising its key policy rate from 9.50% to 20.00% on February 28.
- Several Russian banks have been excluded from Swift's financial messaging network by the European Union and the United States.
- As of today, the RUB has lost over 40.0% of its value against the USD, which will result in a sharp and sustained rise in inflation, eroding household incomes.
- In Russia, there is a high likelihood that hyperinflation will take hold.
- An escalating inflation rate in Russia has the potential to rapidly affect household behaviour.

Russian breakdown of FX reserve assets, Jan 2022, % of share



Russian composition of currency reserves, Jan 2021, % of share

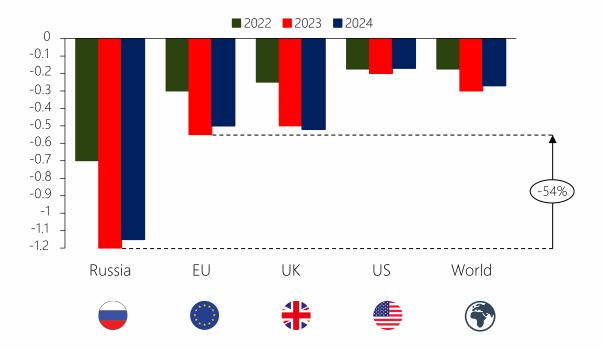


Source: Fitch, Cartesius Analysis

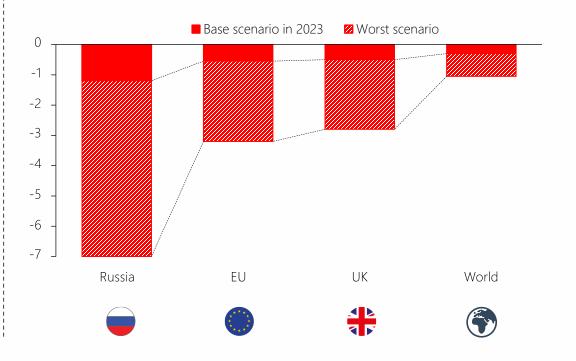


With sanctions, Russia will suffer, but Europe could suffer the second-largest loss after Russia - the EU's GDP could drop by -0.5% in the best-case and by -3% in the worst-case scenario in 2023

Global real GDP impact of Russia-Ukraine war, 2022-2024, % difference from no conflict baseline



# Scenarios for global real GDP impact of Russia-Ukraine war, 2023 % difference from no conflict baseline



# We already feel the immediate effect of this - food and energy prices are gripping up and could go even further in a post pandemic economy

#### FAO food price index, Score in 2021

(The higher the score, the less corruption there will be)

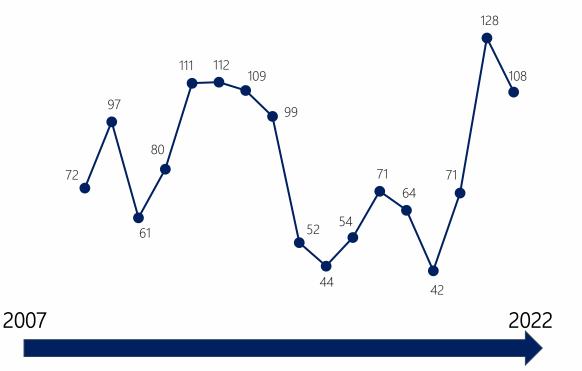
An increase in food prices will impact the pocket share of consumers in Europe and could lead to famines in more impoverished nations



2007 2022

Average annual Brent crude oil price from 2007 to 2022, USD per barrel

A rise in oil prices will **impact almost every sector** since oil is used to transport and manufacture goods



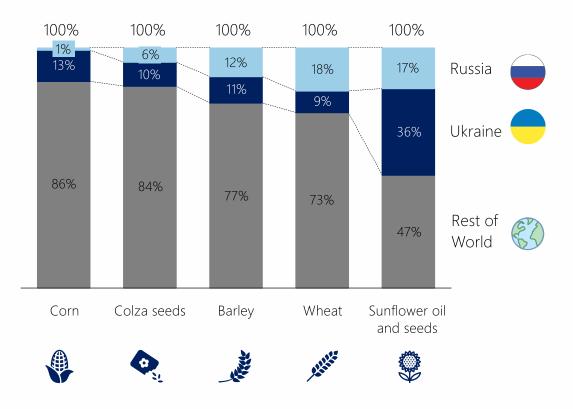
Source: FAO, Statista, Cartesius Analysis



# In the agri-food sector, key commodities are imported from Ukraine and Russia, and some countries are heavily dependent on their imports

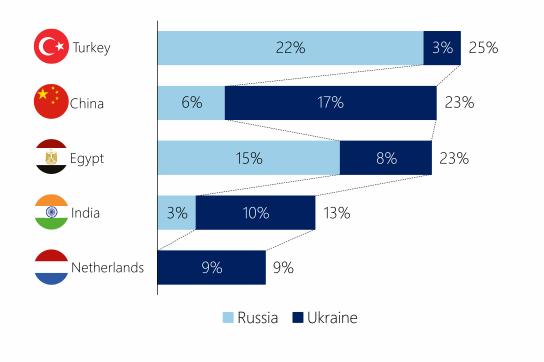
% of global trade in selected commodities, 2020

The world is exposed to key agri-food commodities that are sourced from Ukraine and Russia...



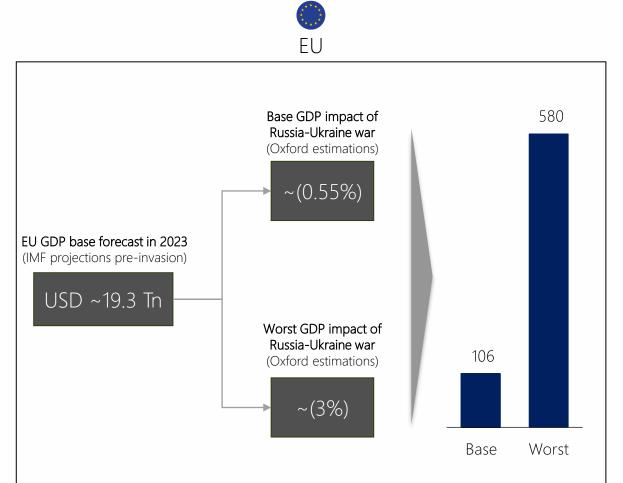
% of total imports in selected commodities, 2020

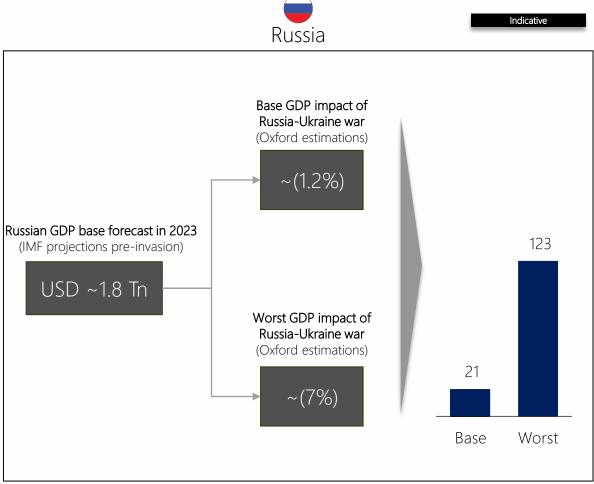
...Some countries are highly dependent on the import of the selected commodities



Source: UNCTAD, Cartesius Analysis 42

# In absolute numbers, Europe could lose 5\$ against \$1 Russia may lose





Source: IMF, Oxford, Cartesius Analysis



Non-exhaustive

Western current policy is not achieving its objective for sustainable peace and makes Russia more distant from the Western countries, and closer to China, as it seeks solutions

Current policies are not working

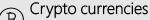
Russia will not leave Ukraine if no security to its borders is provided, even if forced by sanctions.

... Russia could go further of its existing financial

It has existent capabilities that could partially overcome the sanctions using financial mechanisms...

mechanisms...

...In the event of sanctions collapsing the Russian economy, Russia could have to resort to a western war to maintain national order



- 1. The digital Ruble announced by Russia's central bank in October 2020
- 2. China, the largest trading partner of Russia, has already launched a digital currency



- 1. Russia-China agreement on payments and settlements signed in 2019
- 2. Created the System for Transfer of Financial Messages (SPFS), a nascent alternative of SWIFT

#### China and other countries

 Russia could connect the SPFS to the Chinese version, named Cross-Border Interbank Payments System

#### ्रि Individual banks

1. It could connect to independent banks (by end of 2020 Russia SPFS was connected to 23 foreign banks in Germany, Switzerland, Armenia, Belarus, Germany, Kazakhstan, and Kyrgyzstan)

#### **■** Military confrontation

- 1. Due to the recent development of key weapons and technology, Russia is not afraid of a confrontation with nuclear powers. As a result, Russia has developed advanced hypersonic missiles that can bypass next-generation defence systems and reach undetected targets, posing a threat to Western missile defence systems
- 2. US efforts are targeting China to remain competitive China might provide Russia with military assistance and very likely it could also provide a full military engagement in case of a global war

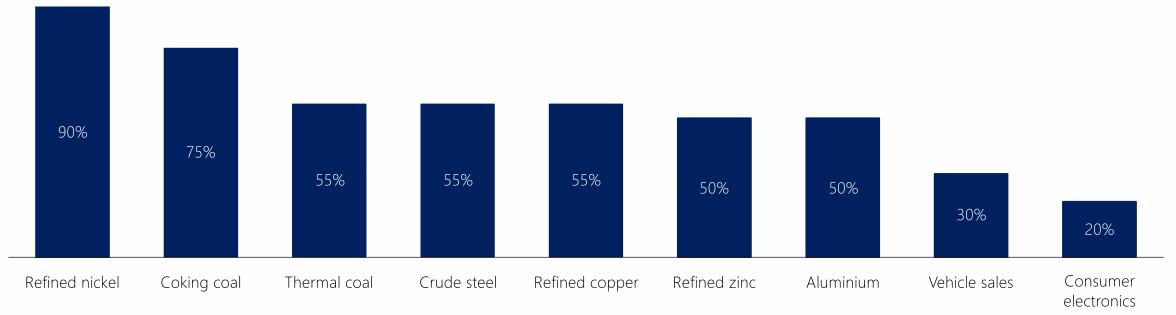
A new relationship framework must be designed if we want sustainable peace

Since China is the world's leading consumer of commodities, it may be necessary for China to engage in trade with Russia, and secondary sanctions against China are unlikely since there would be too many consequences for the global economy, including growth and inflation

Approximated current China's share of global consumption, In %



45



#### Key insights

- In addition to China's massive commodities consumption, Russia's mining and metals sector may be insulated from sanctions risks due to the size of its economy and its ability to continue settling trade in RUB or CNY.
- A secondary sanctions campaign against Chinese counterparties would be unlikely to succeed or be supported in Europe as there would be too many consequences for the global economy

Source: Fitch, Cartesius Analysis



# It is in China's interests to act as a good mediator and help maintain a healthy balance, and Europe should consider leveraging China to act as a mediator in the Russian-Ukrainian crisis

Non-exhaustive



3.

4.

China could find it attractive to act as a mediator in the Russian-Ukrainian crisis for their own benefit There are indications that China will mediate in the current crisis, yet the leverages listed below could support a more active role.

#### Leverage drivers for China to volunteer as a mediator and support France with the proposed initiative outlined in this document

Current trade normalization

Wants to **bring back normal trade** with Russia and Ukraine (both have China as major trade partner)

Continuity of the Belt and Road Infrastructure program

Russia and Ukraine are key for the continuity of the Belt and Road Infrastructure program; Russia and Ukraine are elementary to conduit trade from Europe into China

Avoid secondary sanctions

Requires commerce with Russia to source key raw materials and fuel its industry but risks secondary sanctions due to its informal support / alliance with Russia; hence, it is convenient for China to normalise the current crisis

Enhance future relationship with Ukraine and Russia

Russia and Ukraine are key commercial partners for China, and supporting the normalisation of the current crisis is a wise move that enhances further relationship with both nations

Develop further the relationship with Europe

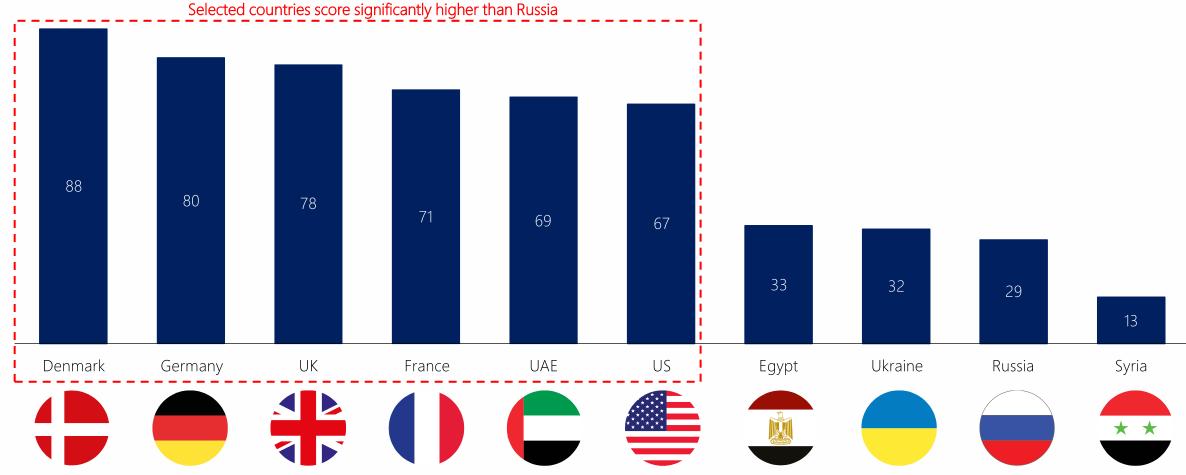
China's contribution to the peace restoration could be welcomed by the EU and help to develop further the relationship with Europe



To move out from a sanction's strategy, Russia will have to democratise and fight corruption to conform to Western values, and the West should call for that to happen

### Corruption Perceptions Index (CPI), Score in 2021

(The higher the score, the less corruption there will be)



Source: Transparency, Cartesius Analysis

For decision makers who wish to maintain Ukraine's independence, enable a democratic Russia and provide security guarantees that Russia requires, a new relationship framework is a viable option

# A new relationship framework must be designed if we want sustainable peace

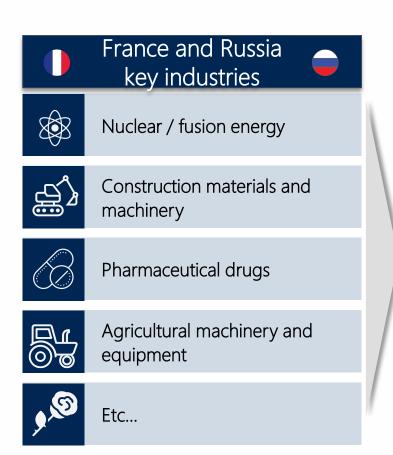
To resolve the war between Russia and Ukraine and achieve sustainable peace, Russia shall be integrated into a system where their interests are aligned and interdependent with the Europeans, which will make war unthinkable and materially hard to conceive





As an illustration, the ultimate goal should be to identify marriages among key industries based on key interdependencies, governed by a special purpose office

#### Framework



# Interdependencies

### Makes war unthinkable

- Sectors with significant share contribution to GDP
- Attractive outlook and sector performance
- Aligns with national strategic policies
   (e.g., free trade, union of monetary and fiscal policies)
- Development of key technologies (e.g., Al, IoT, robotics)
- Cultural integration

## Makes war materially impossible

- Raw material, technology, manufacturing facilities directly link to military capabilities
- Governance structure is shared

## S Is also good to have

- Aligns to UN 17 Sustainable Development Goals
- Supports Environmental, Sustainable, Governance investments

# Special purpose office



New economic system

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Supranational authority

-



Democratization body

49



To make current and future wars unthinkable and impossible materially, we must begin with a win-win vision for all parties, but that also implies making some concessions

# Develop an initial agreement based on a marriage of benefits between Western countries, Ukraine, and Russia Ukraine to volunteer the signing of an agreement documenting a commitment of neutrality. Including a demilitarised zone and limits / control on advanced / nuclear military capabilities. Russia to immediately withdraw all their troops from Ukraine and provide guarantees of security / sovereignty to Ukraine. Russian and Ukrainian governments must return and re-agree to implement the Minsk agreements. France to immediately remove all EU sanctions posed to Russia and to lobby to remove US and EU related sanctions. Russia to accept Ukraine, Georgia, Moldavia and any other country that wishes to integrate the European Union (if its candidature is approved by the EU). France to design a nascent economic system where Russia can be progressively integrated under a supranational authority (to make war unthinkable and materially hard to conceive). Ukraine to remove all weapons in civilian hands and return them back to their donors (very important to avoid the weapons falling into the hand of criminals and terrorists that wish to use them in Europe and any other place in the world). Russia to support Ukraine economically to reconstruct the damaged infrastructure and create a fund to support Russian and Ukrainian civilian and military victims. Russia to commit to run a second referendum in Crimea in the presence of an international observatory to solve the arguments between Russia and the EU. In the event that a transparent referendum is under the supervision of an international observatory, Ukraine and EU & allies should recognise the referendum and accept its result.

#### Goal

Build a win-win situation for both sides to enable sustainable peace.



For the next phases of the project, France would need to establish a special purpose office, and Édouard Philippe could act as an ambassador for this purpose

# Set up a special purpose office in France



Set up a special purpose office in France led by President Macron and nominate Édouard Philippe as an ambassador to drive this initiative on behalf of European interests – excluding any non-European state to participate in decision-making activities.



- Any action taken must prioritise the national interest of the countries' member and relevant European stakeholders. © Similar to "the idea Shuman put forward was that if coal and steel industries across France and Germany were united under an innovative supranational system, not only would a war be unthinkable, it would also be logistically impossible."
- Delegate special powers to **Édouard Philippe** or someone else that is trusted by all the belligerents and has the relevant political and macroeconomic experience.

#### Goal

B Using an agile environment to simplify negotiations and make decisions faster.

Source: Shuman, Cartesius Analysis 51

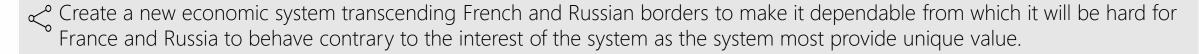


The office to design, develop and implement a new economic system and a supranational authority to govern it and integrate Russian counterparts – consider starting with a free trade agreement that includes the possibility of future monetary policy integration

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Non-exhaustive

# Create a new economic system transcending French and Russian borders and a supranational authority





Identify cooperation areas that would be more effective deterrents (e.g., a united nuclear / fusion energy industry, a united economic agreement, etc...) – scope of work to be planned between France, Russia, and any other country wishing to integrate this new/selected but progressive economic system.



Suggestion: Develop a plan that starts small, such as a free trade agreement, and expands integration in the future in the form of a monetary union (using the same currency) and ultimately add more advanced integration tools.

#### Goal

Decide on a strategy based on what works, not on who is right



Lastly, the office should be able to establish an organisation that will ensure the democratic development of Russia, following a reward system that will aid in achieving a more comprehensive economic integration once democratic standards are attained

#### IV

## Link the new economic system to a mechanism of democratisation based on the creation of a democratisation body



Define a set of Key Performance Indicators for the democratisation body that, when achieved, will enable different badges of economic benefits – for example,



#### Components to assess in the democracy framework

- Respect for human rights, fundamental freedoms, freedom of association, freedom of expression and opinion
- Access to power and its exercise in accordance with the rule of law
- The holding of periodic free and fair elections by universal suffrage and by secret ballot as the expression of the will of the people
- A pluralistic system of political parties and organisations
- The separation of powers
- The independence of the judiciary
- Transparency and accountability in public administration
- Free, independent and pluralistic media

#### 

- <25% scoring with the democratic framework: No advantages
- 26% 80% scoring with the democratic framework: Partial access to key benefits
- + 81% scoring with the democratic framework: Full advantage, similar but not equal to EU members

#### Goal



Assist Russia in integrating the European values



# To succeed, it is imperative to put down the differences and work towards a common goal

Factors to consider when planning a successful economic system for sustainable peace:





Personal

Act cool-headedly for the sake of the world, and remove personal feelings



Political

A win-win relationship should consider the political image and interest of the United States, the European Union, NATO, Ukraine, Russia and France itself



**Economical** 

Consider the **negative effects** a political decision could have **in your own economy** (e.g., confidence in the market, purchasing power, competitive advantage in the global economy)



Society

Make sure you are acting democratically and considering what your society really wants



Military

Remember history repeats itself over and over again and consider military consequences (including nuclear war)







HQ France



Type
Non-profit
strategy consulting



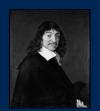
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We are inspired by Descartes because we are concerned with knowledge René Descartes (Renatus Cartesius) – mathematician, scientist, and philosopher