



Photo by Chris Stupski on Unsplash

ALLIANZ RESEARCH

SOCIAL RISK INDEX:

STRUCTURAL DETERMINANTS OF SOCIAL RISK

04 June 2020

- 03 New dimensions of social risk
- 05 Advanced economies: Systemic social risk remains low
- 06 Emerging markets: Regional disparity of social risk
- 09 Watch-list for potential social tensions in 2020-2021

EXECUTIVE SUMMARY



Manfred Stamer

Senior Economist for Emerging Europe and the Middle East

+ 49 40 8834 3607

manfred.stamer@eulerhermes.com

- As the Covid-19 pandemic pushes the global economy into the worst recession since WWII, systemic social risk could become a more important factor of political risk and worsen the business climate in some countries.
- We created the Social Risk Index (SRI) to identify which countries are particularly vulnerable to systemic social risk, including events such as anti-government protests and other incidents that could become game-changers for politics and policymaking, as well as business and investment decisions. The SRI comprises structural determinants that measure underlying strengths, weaknesses and the perceptions of political, institutional and social frameworks for 102 countries, ranking them with a score between 0 (highest risk) and 100 (lowest risk).
- The SRI neither measures the probability of a social crisis nor predicts the next social unrest event. It is rather a vulnerability indicator that focuses on the longer term structural determinants of social risk.
- Denmark, Finland and Sweden make the top three of the SRI 2020, exhibiting the lowest levels of social risk. Germany is placed 5th and France 9th.
- Nigeria, Venezuela and Angola exhibit the highest levels of social risk in our sample. Venezuela and Angola have also experienced some of the largest deteriorations over the past five years.
- Advanced Economies (AEs) are generally less vulnerable to systemic social risk than Emerging Markets (EMs), with Greece (rank 35) and Italy (30th) placed lowest among all AEs.
- Slovenia (rank 15), Estonia (17th) and Qatar (21st) are the best-ranked EMs.
- On a regional basis for EMs, economies from Emerging Europe are placed best on average, while Africa and Latin America exhibit the highest social risk levels in the near future.

102

**Countries ranked by our
Social Risk Index 2020**

NEW DIMENSIONS OF SOCIAL RISK

Social and political risk were already on the rise in a number of countries and regions well before the outbreak of the Covid-19 pandemic. In some cases, this was not surprising. In Venezuela, for example, long-lasting political and economic mismanagement had resulted in mass anti-government protests for several years. Iran had also seen anti-regime rallies before. And in Argentina, a textbook Emerging Markets (EMs) crisis led to a rapidly and painfully unravelling of macroeconomic imbalances, which aggravated already difficult social conditions. However, the wave of strong and durable anti-government demonstrations in Hong Kong, Lebanon and across Latin America (notably in Ecuador, Chile, Bolivia and Columbia) in the second half of 2019 was sudden and unexpected. In particular, the intensity of unrest in high-income EMs such as Chile and Hong Kong surprised markets. Moreover, anti-government protests also appeared to have increased in Advanced Economies (AEs). In particular, the Yellow Vests movement against fiscal austerity in France that began in late 2018 caught a lot of

attention and sparked copycats in several other countries. Overall, this suggests that not only the overall level of economic wealth in a country but also the distribution of that wealth, changes in the level of welfare, as well as subjective perceptions of the country's government and institutions, play a role with regard to social risk.

Most of the 2019 protest movements continued into early 2020 until the Covid-19 pandemic struck, resulting in especially strict lockdown measures that have largely starved them off for some time. But as stage two of the Covid-19 crisis – the gradual opening of national economies – has begun, there is a significant likelihood that protests in both EMs and AEs arise anew. Moreover, social discontent may be aggravated and could also spread to other countries that have been politically calm in recent years as a result of the impacts of the Covid-19 crisis. People who have given their governments the benefit of the doubt in phase one of the crisis (full or partial lockdowns to 'flatten the curve') may now become

unsatisfied with the preparedness of authorities or the pace of deconfinement as the economic pain is growing. A generally poor health situation, increasing unemployment and poverty, rising prices (especially for food) as well as a weak government response to the crisis due to mismanagement or lack of fiscal resources may add to already existing social risks.

Already in the course of May, there have been protests and demonstrations around the world against government responses to the ongoing pandemic, and these protests have also drawn opposition from those who think the lockdowns have been justified. For the moment, while visible these protests do not appear to be supported by majorities in the populations. However, it cannot be ruled out that they develop into more serious and lasting protests in some places, or that they occur in countries that have been calm for now.

In this paper, we will identify those countries that are most vulnerable to systemic social unrest in the wake of the Covid-19 pandemic, i.e. in the next 18 months or so. For this purpose we have developed a **Social Risk Index (SRI)** that identifies underlying strengths, weaknesses and perceptions of a country's political, institutional and social frameworks, signaling the general susceptibility to 'systemic social

risk' events that could become game-changers with regard to politics and policymaking, as well as business and investment decisions.

The focus of the analysis will be on 102 selected economies, including all AEs and the larger EMs. We have also calculated the Social Risk Index backwards for the year 2015 to analyze the change over the past five years per

country and identify the potential for rising social discontent in wealthier countries.

For details on the methodology of the Social Risk Index, see Box 1.

Box 1: Indicators and methodology of the Social Risk Index (SRI)

We use twelve indicators for the SRI that are readily available for most countries:

- Real GDP per capita growth trend: We compare the average annual growth in the last three years to the average growth prior to that since 2000. This approach reflects that the potential for social risk can also rise in high-income EMs (such as Chile or in the GCC) and AEs if the (relatively high) level of economic welfare is deteriorating or being perceived to deteriorate.
- Labor force participation: The higher the share of the labor force in the working-age population, the lower the potential for discontent. This indicator is better than the unemployment rate, which is measured very inconsistently across countries.
- Income inequality measured by the GINI index.
- Public social spending on education, health and social protection, which reflects the importance of social policies and networks in a given country.
- Political stability and absence/presence of violence, reflects together with
- Government effectiveness and
- Corruption perception how effective a government is perceived at doing its job.
- Trust in government indicates the share of people that trust their national government.
- Vulnerable employment is made up of own-account workers and contributing family workers who are less likely to have social security coverage and to benefit from other forms of social protection.
- Imports of goods as % of GDP reflects together with
- Currency depreciation the scope for imported inflation, notably for foodstuffs, which is a typical trigger for social discontent.
- Fiscal revenue as % of GDP captures a government's capability to respond with fiscal stimulus to crises.

Methodology

To make the data comparable across indicators, each of them was rescaled from 0 to 100 with 0 denoting the highest risk and 100 the lowest. Then the SRI was calculated as the average of the sub-indicators, thus also ranging between 0 and 100.

ADVANCED ECONOMIES: SYSTEMIC SOCIAL RISK REMAINS LOW

All AEs are ranked among the best 35 out of the 102 selected economies in our analysis (see Figure 1 for the overall scores and rankings). Denmark is leading the league with a SRI score of 82.5 out of a maximum of 100, followed by its Nordic neighbors Finland and Sweden. Germany is ranked fifth (with a SRI of 76.5) and France ninth (74.2). The latter may surprise some readers against the backdrop of the Yellow Vests movement in 2018-2019. But while these protests appear to be covered in our analysis by the sub-indicator 'Trust in Government', for which France scores only 45.9, they do not seem to have significantly changed the policy direction or business investment decisions in the country. Overall, systemic social risk continues to be low in France, according to our assessment, as most sub-indicators of the SRI have remained

strong or even improved over the past five years.

At the opposite end in the group of AEs, Greece is placed 35th, thus exhibiting the highest vulnerability to social risk among AEs. However, its SRI score of 61.4 reflects an improvement of +6.2 points from five years ago when the country was still in the midst of its sovereign debt crisis which caused widespread social discontent at the time. Similarly, the SRI of Italy, where public discontent was also prevailing at the height of the Eurozone crisis, has improved by +2.0 points to 63.9 currently, placing the country 30th. In both countries, the improvement was in part due to stronger real GDP per capita growth in the last three years and better employment conditions. As these factors will deteriorate in the wake of Covid-19,

the SRI for both is likely to decline somewhat in the next year but should not fall below the 2015 levels, also because local and EU fiscal stimulus should mitigate the adverse effects on the economies.

The U.S. is ranked 23rd with a SRI of 66.4. Our assessment reveals some weaknesses in labor force participation (62% of the working age population), income inequality, public social spending and trust in government. In contrast, the country scores well on political stability, government effectiveness, corruption perception, per capita growth and the low share of merchandise imports in GDP (15%), which together with the strong USD provides for a low risk of imported inflation.



EMERGING MARKETS: REGIONAL DISPARITY OF SOCIAL RISK

As one would expect, Emerging Markets are in general more vulnerable to systemic social risk than Advanced Economies. However, there are some countries in Eastern Europe and the Gulf Cooperation Council (GCC) where the risk is comparably low as in the average AEs. Across EMs, there is a high regional disparity of systemic social risk, as outlined in detail below.

Emerging Europe

On a regional basis, overall social risk is relatively low in Emerging Europe. Twelve out of 18 countries in our sample have a SRI above 50 and nine of them are even above 60, placing them on par with many AEs. These nine countries are all EU member states (Slovenia, Estonia, Czechia, Croatia, Slovakia, Poland, Lithuania, Latvia, Hungary), reflecting that EU membership requires a substantial improvement in political and institutional frameworks. However, our assessment also indicates that Hungary and Poland have experienced a slight increase in social risk over the past five years. This is in line with the fact that democratic institutions have been somewhat weakened in these two countries over the past decade and there have also been public protests against these developments. Yet, while visible, these protests are not supported by majorities in the populations and are thus unlikely to have a significant impact in the medium term.

One EU country in the region, Romania, has a SRI of just below 50, along with Azerbaijan, Bosnia and Herzegovina, Kazakhstan and Russia. The country most vulnerable to social risk in the re-

gion is Turkey with a SRI of just 38.8 and rank 87 in 2020, exhibiting a marked deterioration by -5.2 points since 2015 and now showing a clear distance from the rest of the region. The weakest factors contributing to Turkey's SRI are the continued currency depreciation, which raises the costs of imported consumer goods, a low labor force participation (53% of the working age population), political instability and income inequality.

Emerging Asia

In the Emerging Asia region, there are seven relatively populous countries out of 14 in our sample that have a SRI well below 50, suggesting significant vulnerability to systemic social risk in the future. These seven countries that have in common generally unfavorable employment and income conditions, as well as weak perceptions of public institutions, are (from least to most risky) the Philippines, Vietnam, Bangladesh, India, Indonesia, Sri Lanka and Pakistan. The latter two also experienced a marked deterioration in the SRI over the past five years. In Pakistan, the deepening economic crisis and emerging rifts in the government's alliance with the military is increasing the risk of nationwide anti-government protests (the last large one occurred in October/November 2019). In Sri Lanka, tensions may also be simmering as government measures amid the pandemic spark concerns over religious differences. In Indonesia, localized protests are likely to occur as companies could struggle to pay annual holiday allowances. Policy 'mistakes' (favoring businesses over workers) would increase the risk of seeing nationwide strikes.

Similarly, Bangladesh and Vietnam could also experience localized troubles in their economically significant manufacturing sectors. In India, measures to contain the Covid-19 pandemic have dissipated nationwide protests against the Citizenship Amendment Act, which had been ongoing since December 2019. However, as lockdowns are lifted in the coming months, and given growing discontent among migrant workers, anti-government protests could emerge again.

China and Thailand score somewhat better but their SRIs of just below the 50, combined with relatively low health expenditures and dependence on tourism in the case of Thailand, suggest some vulnerability to social unrest in the wake of Covid-19 as well.

The four Asian Tigers (Hong Kong, Singapore, South Korea, Taiwan), which are all high-income countries, score comparatively well on the SRI, benefiting from relatively strong institutional frameworks and favorable employment conditions. Hong Kong, however, has seen a deterioration of its SRI by -1.4 points to 53.6 in 2020 which almost entirely reflects a decline in the sub-indicator 'Trust in government' – only 27% of the people trusted their national government in 2019, down from 51% the year before – and thus the lasting anti-government demonstrations in Hong Kong last year. Social unrest is already resuming as hundreds of people marched to show discontent with mainland China's plans to enforce national security provisions in Hong Kong without the need for approval of local authorities.

A similar legislative change had been proposed in May 2003, and the context of the Sars epidemic then did not prevent 500,000 people from taking to the streets in a sign of protest.

Middle East

The Middle East itself exhibits a considerable disparity of systemic social risk. It is very high in Iran and Lebanon – with the very weak SRIs for both being in line with last year's mass protests in the countries – and elevated in Jordan and Bahrain. In contrast, our SRI points to comparatively lower systemic social risk in the other GCC member states. This is mostly explained by the prevailing currency pegs, which eliminate the risk of imported inflation, large fiscal resources that can be utilized to mitigate the impact of crises as well as above average perceptions of government effectiveness. However, our analysis also shows that the SRI decreased (and thus the risk of social discontent increased) in all GCC states except Oman over the past five years. This trend mainly reflects declining real GDP per capita and shrinking fiscal revenues. The latter are a result of lower global oil prices and oil output cuts agreed by OPEC and other oil-exporting countries and mean reduced capacity for fiscal stimulus in times of crises in the future. If the uptrend in systemic social risk in the GCC is not halted, some of the member states could become future hot spots for public unrest, with the risk being higher in Bahrain and Oman, which have relatively low fiscal reserves to mitigate declining economic wealth levels.

Africa

In Africa, almost all of the selected 17 countries in our sample score badly on our SRI, with Mauritius (rank 52) being the only country with a SRI just above 50. Nigeria is at the bottom of our table with a SRI of 19.8 and South Africa is ranked 79th out of 102 countries with a SRI of 41.1, reflecting weaknesses across almost all sub-indicators of the index. Moreover, Covid-19 is likely to

intensify the already high risk of systemic social risk in Africa in the near future, owing to very weak health care combined with currently low commodity prices, which reduce the capability of governments to respond with fiscal stimulus to the sanitary crisis. All in all, it cannot be ruled out that a number of public protests occur across the continent from the second half of 2020 to 2021.

Latin America

In Latin America, systemic social risk is also high across the whole region. Only Uruguay, Costa Rica and Trinidad & Tobago out of our regional 18-country sample have a score above 50. Moreover, social risk has increased over the past five years in most countries. Sharp currency depreciation raising the price of imports is a key weakness in crises for those countries in the region that have a flexible exchange rate regime. Venezuela has the worst SRI (24.7, -8.1 points over the past five years) in the region and is the second to last in our overall sample of 102 countries.

Mexico (SRI 32.9; rank 96) and Brazil (SRI 36.5; rank 94) also score particularly bad – the most striking weaknesses are high income inequality, currency depreciation, low or inefficient public social spending and a generally low trust in the government and its effectiveness at doing its job. The questionable policy responses of the central governments of these two countries to the coronavirus pandemic with still rising numbers of new infections will intensify social discontent and tensions in the near future. In Brazil, this combined with currently low commodity prices, a high fiscal deficit and elevated political fragmentation limit the possibility of a broad-based fiscal stimulus to quickly bring relief to economic agents. In Mexico, a pre-existing low level of business confidence hampering growth and monetary policy transmission due to the president's overturning of pro-business reforms, in addition to the exposure to merchandise trade and to the U.S. industrial cycle, should trigger a severe

recession leaving the most vulnerable by the wayside.

More generally, relatively low and deteriorating SRIs for Colombia (33.5), Ecuador (42.8), Bolivia (44.3) and Chile (46.9) confirm these countries' vulnerability to social risk events as seen in the second half of 2019. The key factors in Chile, which is a high-income EM, are declining real GDP per capita growth (-2% on average in 2017-2019), high income inequality, currency depreciation and low public social spending due to ongoing fiscal austerity. Similarly low SRIs and downtrends put the Dominican Republic, El Salvador, Guatemala and Panama on the watch list for public unrest in the near future. Peru, Paraguay and Honduras also score badly but have seen an improvement in their SRIs over the past five years.

Overall, with regard to the Covid-19 crisis, many countries appear to have been badly prepared. This combined with the general high systemic social risk in Latin America suggests that we should not rule out more public protests in the region in the next 18 months or so.

Figure 1: Social Risk Index for 102 selected economies

Economy	ISO Code	Social Risk Index 2020 (100 = lowest risk; 0 = highest risk)	Social Risk Index, change from 2015 to 2020	Rank 2020 (1: lowest risk)	Rank 2015 (1: lowest risk)
Denmark	DNK	82.5	1.1	1	2
Finland	FIN	81.3	2.1	2	4
Sweden	SWE	78.1	-2.2	3	3
Austria	AUT	76.9	0.6	4	6
Germany	DEU	76.5	0.6	5	7
Switzerland	CHE	76.2	2.5	6	8
Norway	NOR	75.8	-6.3	7	1
Japan	JPN	75.8	2.8	8	10
France	FRA	74.2	0.8	9	9
Portugal	PRT	73.6	5.7	10	19
Netherlands	NLD	72.6	1.2	11	13
Luxembourg	LUX	72.1	-0.3	12	11
New Zealand	NZL	71.0	0.0	13	14
Canada	CAN	70.7	4.4	14	21
Slovenia	SVN	69.8	5.7	15	24
Belgium	BEL	69.8	-1.7	16	12
Estonia	EST	69.6	6.4	17	29
Malta	MLT	69.1	0.7	18	16
Ireland	IRL	68.8	0.7	19	18
Iceland	ISL	68.6	-8.2	20	5
Qatar	QAT	66.9	-1.8	21	15
Spain	ESP	66.5	3.1	22	28
United States	USA	66.4	-0.2	23	20
Cyprus	CYP	66.2	6.1	24	35
United Kingdom	GBR	66.0	-2.3	25	17
Israel	ISR	64.9	1.0	26	25
Australia	AUS	64.5	1.1	27	27
Czechia	CZE	64.5	0.7	28	26
Croatia	HRV	64.0	4.0	29	36
Italy	ITA	63.9	2.0	30	32
Slovakia	SVK	63.8	1.9	31	33
Oman	OMN	62.3	1.2	32	34
Poland	POL	62.2	-0.9	33	30
Lithuania	LTU	61.7	2.1	34	37
Greece	GRC	61.4	6.2	35	43
Kuwait	KWT	61.1	-4.1	36	22
Latvia	LVA	60.5	2.1	37	39
United Arab Emirates	UAE	60.3	-4.6	38	23
Hungary	HUN	60.1	-2.8	39	31
Uruguay	URY	59.5	1.0	40	38
Singapore	SGP	58.9	1.9	41	40
Serbia	SRB	58.4	6.6	42	48
Taiwan	TWN	57.9	7.8	43	50
South Korea	KOR	56.0	2.8	44	46
Costa Rica	CRI	55.4	-0.6	45	41
Bulgaria	BGR	55.1	4.8	46	49
Malaysia	MYS	54.1	5.3	47	53
Saudi Arabia	SAU	53.8	-2.0	48	42
Hong Kong	HKG	53.6	-1.4	49	44
Trinidad and Tobago	TTO	53.5	-0.4	50	45
Ukraine	UKR	53.2	13.3	51	78
Mauritius	MUS	51.0	2.4	52	54
Jordan	JOR	50.3	5.0	53	59
Kazakhstan	KAZ	49.9	4.7	54	61
Romania	ROU	49.8	0.8	55	51

Economy	ISO Code	Social Risk Index 2020 (100 = lowest risk; 0 = highest risk)	Social Risk Index, change from 2015 to 2020	Rank 2020 (1: lowest risk)	Rank 2015 (1: lowest risk)
Bahrain	BHR	49.7	-2.7	56	47
China	CHN	49.3	3.2	57	57
Thailand	THA	49.1	6.7	58	68
Azerbaijan	AZE	49.1	8.6	59	74
Russia	RUS	47.4	5.0	60	67
Bosnia and Herzegovina	BIH	47.3	-1.7	61	52
Egypt	EGY	47.0	6.5	62	75
Chile	CHL	46.9	-0.8	63	55
Philippines	PHL	46.8	2.4	64	64
Tunisia	TUN	46.0	5.4	65	73
Vietnam	VNM	45.9	3.2	66	66
Dominican Republic	DOM	45.2	-0.4	67	58
Tanzania	TZA	44.9	10.0	68	89
Bangladesh	BGD	44.8	2.6	69	69
Peru	PER	44.7	5.6	70	81
Panama	PAN	44.6	-0.2	71	62
Bolivia	BOL	44.3	-1.9	72	56
Ghana	GHA	44.2	4.1	73	77
El Salvador	SLV	43.3	-1.1	74	63
Ecuador	ECU	42.8	-2.5	75	60
Senegal	SEN	42.4	8.3	76	90
Kenya	KEN	42.0	8.4	77	92
Algeria	DZA	41.8	2.2	78	80
South Africa	ZAF	41.1	0.1	79	71
India	IND	41.0	2.3	80	82
Gabon	GAB	40.6	-0.1	81	72
Cote d'Ivoire	CIV	40.6	9.1	82	97
Indonesia	IDN	40.6	2.2	83	84
Argentina	ARG	40.2	1.7	84	83
Paraguay	PRY	39.3	10.1	85	98
Guatemala	GTM	39.3	-0.8	86	76
Turkey	TUR	38.8	-5.2	87	65
Sri Lanka	LKA	38.6	-2.9	88	70
Honduras	HND	37.8	4.4	89	94
Morocco	MAR	37.6	4.0	90	91
Cameroon	CMR	37.5	2.0	91	88
Lebanon	LBN	37.5	3.9	92	93
Uganda	UGA	37.2	12.4	93	101
Brazil	BRA	36.5	-3.2	94	79
Colombia	COL	33.5	-2.5	95	87
Mexico	MEX	32.9	-3.2	96	86
Pakistan	PAK	31.9	-5.1	97	85
Iran	IRN	28.7	-0.3	98	99
Congo, Republic of the	COG	27.4	0.4	99	100
Angola	AGO	25.1	-6.4	100	96
Venezuela	VEN	24.7	-8.1	101	95
Nigeria	NGA	19.8	-1.9	102	102
Advanced Economies		71.3	0.8		
Emerging Europe		57.0	3.1		
Middle East		52.3	-0.6		
Emerging Asia		47.7	2.2		
Latin America		42.5	-0.2		
Africa		39.2	3.9		
Global average		53.4	1.6		

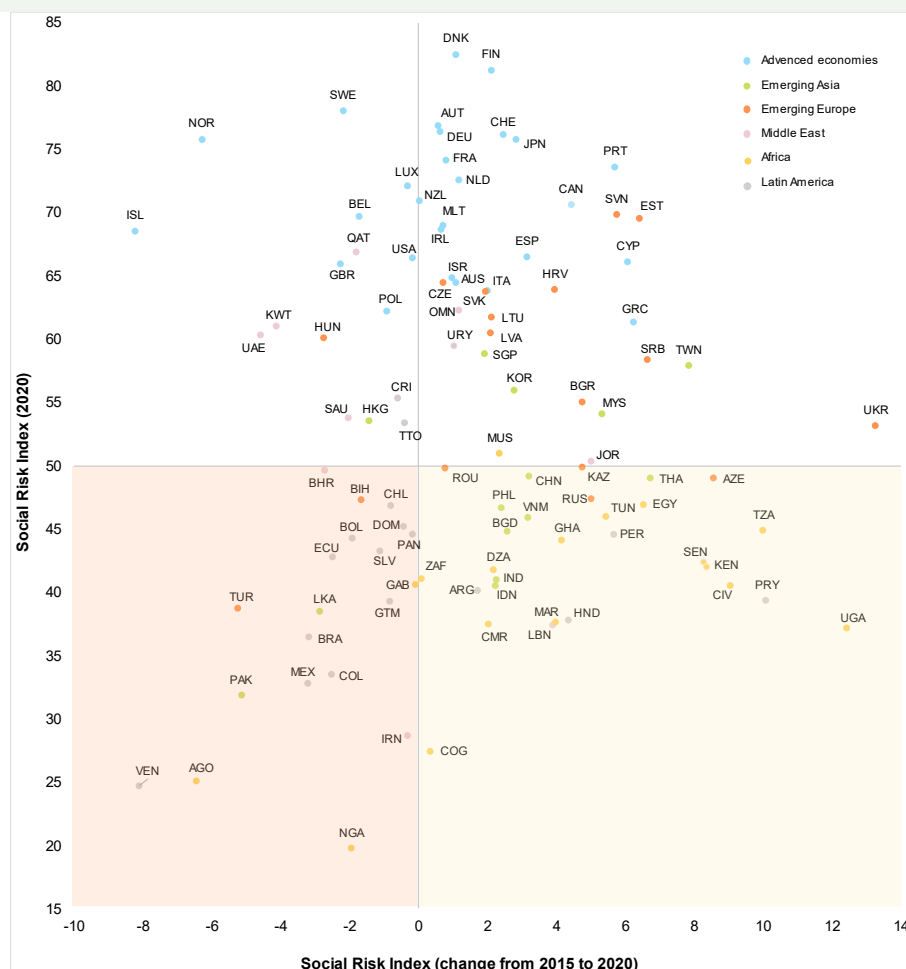
WATCH-LIST FOR POTENTIAL SOCIAL TENSIONS IN 2020-2021

Our analysis suggests that the countries most vulnerable to systemic social risk in the near future comprise those that already have a low SRI below 50 that has deteriorated further over the past five years. In Figure 2, these can be found in the lower left hand corner of the chart. This group is dominated by 11 Latin American countries and further includes three from Africa and two from

each Emerging Asia, Emerging Europe and the Middle East. The lower right hand corner of Figure 2 shows those countries with a weak SRI but no deterioration in recent years. This group consists of 13 African countries, completed by seven from Emerging Asia, four from each Latin America and Emerging Europe and one from the Middle East. The countries in the upper

half of Figure 2 exhibit a generally lower systemic social risk though, of course, borderline countries should be monitored closely as well, especially if the SRI has worsened over the last years (for example Hong Kong, Trinidad & Tobago, Costa Rica and Saudi Arabia).

Figure 2: Social Risk Index versus its change over the last 5 years for 102 selected economies



Sources: National statistics, IMF, World Bank, ILO, OECD, IHS Markit, Wellcome Trust Global Monitor, RAND Corporation, Allianz Research



Figure 3: Watch list for potential social tensions in 2020-2021

Systemic Social Risk	Advanced Economies	Emerging Europe	Emerging Asia	Middle East	Africa	Latin America
Significant to High AND Rising		Turkey Bosnia & Herzegovina	Pakistan Sri Lanka	Iran Bahrain	Nigeria Angola Gabon	Venezuela Mexico Colombia Brazil Guatemala Ecuador El Salvador Bolivia Panama Dominican Republic Chile
Significant to High BUT Declining		Russia Azerbaijan Romania Kazakhstan	Indonesia India Bangladesh Vietnam Philippines Thailand China	Lebanon	Congo (Rep. of the) Uganda Cameroon Morocco Cote d'Ivoire South Africa Algeria Kenya Senegal Ghana Tanzania Tunisia Egypt	Honduras Paraguay Argentina Peru
Low to Moderate BUT Rising	UK U.S. Iceland Belgium New Zealand Luxembourg Norway Sweden	Hungary Poland	Hong Kong	Saudi Arabia UAE Kuwait Qatar		Trinidad & Tobago Costa Rica

Note: 'Significant to High' refers to a SRI below 50.0; 'Low to Moderate' to a SRI above 50.0. 'Rising' and 'Declining' refer to the development of the SRI over the past five years.

In each cell of the table, the countries are ranked from highest to lowest risk according to the SRI.

Sources: National statistics, IMF, World Bank, ILO, OECD, IHS Markit, Wellcome Trust Global Monitor, RAND Corporation, Allianz Research

OUR TEAM

Chief Economist of Allianz and Euler Hermes



Ludovic Subran
Chief Economist
ludovic.subran@allianz.com

Head of Economic Research, Euler Hermes



Alexis Garatti
alexis.garatti@eulerhermes.com

Head of Capital Markets Research



Eric Barthalon
eric.barthalon@allianz.com

Head of Insurance, Wealth and Trend Research



Arne Holzhausen
arne.holzhausen@allianz.com

Macroeconomic Research



Ana Boata
Head of Macroeconomic
Research
ana.boata@eulerhermes.com



Katharina Utermöhl
Senior Economist for Europe
katharina.uterhoehl@allianz.com



Selin Ozyurt
Senior Economist for France
and Africa
selin.ozyurt@eulerhermes.com



Françoise Huang
Senior Economist for APAC
francoise.huang@eulerhermes.com



Manfred Stamer
Senior Economist for Middle East
and Emerging Europe
manfred.stamer@eulerhermes.com



Georges Dib
Economist for Latin America, Spain,
Portugal and Trade
georges.dib@eulerhermes.com



Dan North
Senior Economist for North
America
dan.north@eulerhermes.com

Capital Markets Research



Jordi Basco Carrera
Fixed Income Strategist
jordi.basco_carrera@allianz.com



Michaela Grimm
Senior Expert, Demographics
michaela.grimm@allianz.com



Lina Manthey
Equities Strategist
lina.manthey@allianz.com



Markus Zimmer
Senior Expert, ESG
markus.zimmer@allianz.com



Patrick Krizan
Senior Economist for Italy and
Greece, Fixed Income
patrick.krizan@allianz.com



Patricia Pelayo Romero
Expert, Insurance
patricia.pelayo-romero@allianz.com

Sector Research



Maxime Lemerle
Head of Sector Research
maxime.lemerle@eulerhermes.com



Catharina Hillenbrand-Saponar
Sector Advisor for Energy, Metals, Machinery and
Equipment
catharina.hillenbrand-saponar@eulerhermes.com



Marc Livinec
Sector Advisor for Chemicals,
Pharmaceuticals, Transportation,
Agrifood and Transport Equipment
marc.livinec@eulerhermes.com



Aurélien Duthoit
Sector Advisor for Retail, Technology and Household
Equipment
aurelien.duthoit@eulerhermes.com

RECENT PUBLICATIONS

02/06/2020	European corporates loading up cash against uncertainty
28/05/2020	Allianz Global Pension Report 2020—The Silver Swan
26/05/2020	Global trade: Recession confirmed, watch out for a double-whammy blow due to protectionism
19/05/2020	A German-French trial balloon on fiscal union
19/05/2020	The ECB is also here to close governments' financing gap
18/05/2020	Retail in the U.S.: Department store bankruptcies are only the tip of the iceberg
15/05/2020	Automotive in Europe: -30% in 2020, In spite of active googling for new cars
15/05/2020	Germany: Q1 GDP drop only the tip of the iceberg
13/05/2020	UK: Brexit uncertainty could jeopardize the recovery in H2 2020
08/05/2020	Pensions: Corona reveals need for further pension reforms in Germany
06/05/2020	Global trade: Covid-19 losses equivalent to a return to 1994 tariffs
05/05/2020	Emerging markets: Capital outflows bottomed out but beware of weak spots
30/04/2020	Eurozone: Black hole economics
30/04/2020	ECB: Show and tell
24/04/2020	Retail in Germany: A very slow exit from lockdown
22/04/2020	Europe should unlock excess savings from Covid-19 response
17/04/2020	Fed bazooka: A long shot
17/04/2020	China: In search of lost demand
16/04/2020	Exiting the lockdowns: A tale of four stories

Discover all our publications on our websites: [Allianz Research](#) and [Euler Hermes Economic Research](#)

Director of Publications: Ludovic Subran, Chief Economist
Allianz and Euler Hermes
Phone +33 1 84 11 35 64

Allianz Research
https://www.allianz.com/en/economic_research

Königinstraße 28 | 80802 Munich |
Germany
allianz.research@allianz.com



allianz



@allianz

Euler Hermes Economic Research
<http://www.eulerhermes.com/economic-research>

1 Place des Saisons | 92048 Paris-La-Défense
Cedex | France
research@eulerhermes.com



euler-hermes



@eulerhermes

FORWARD-LOOKING STATEMENTS

The statements contained herein may include prospects, statements of future expectations and other forward-looking statements that are based on management's current views and assumptions and involve known and unknown risks and uncertainties. Actual results, performance or events may differ materially from those expressed or implied in such forward-looking statements.

Such deviations may arise due to, without limitation, (i) changes of the general economic conditions and competitive situation, particularly in the Allianz Group's core business and core markets, (ii) performance of financial markets (particularly market volatility, liquidity and credit events), (iii) frequency and severity of insured loss events, including from natural catastrophes, and the development of loss expenses, (iv) mortality and morbidity levels and trends, (v) persistency levels, (vi) particularly in the banking business, the extent of credit defaults, (vii) interest rate levels, (viii) currency exchange rates including the EUR/USD exchange rate, (ix) changes in laws and regulations, including tax regulations, (x) the impact of acquisitions, including related integration issues, and reorganization measures, and (xi) general competitive factors, in each case on a local, regional, national and/or global basis. Many of these factors may be more likely to occur, or more pronounced, as a result of terrorist activities and their consequences.

NO DUTY TO UPDATE

The company assumes no obligation to update any information or forward-looking statement contained herein, save for any information required to be disclosed by law.