METHODOLOGICAL NOTES

Transition indicators: six qualities of a sustainable market economy

The transition indicators reflect the judgement of the EBRD's Office of the Chief Economist and the Economics, Policy and Governance department on the transition progress in the economies where the EBRD invests. According to this approach a sustainable market economy is characterised by six qualities: Competitive, Well-governed, Green, Inclusive, Resilient and Integrated.

This approach measures the state of each quality and its components in a given economy, as compared with the other economies in the EBRD regions and a few select developed economies,¹ against a frontier. The frontier is set either by the best performance in this group of economies or by an unobserved theoretical value and provides a common benchmark against which all economies are assessed consistently and comparably. The same frontier values are also applied across the years to ensure that computed scores are comparable and capture changes in underlying indicators through time.

Assessments of Transition Qualities (ATQs) are composite indices combining information from a large number of indicators and assessments in a consistent manner. The underlying indicators within each ATQ are constructed using a wide range of sources, including national and industry statistics, data from other international organisations and affiliated databases (World Bank, IMF, UN); surveys (The Business Environment and Enterprise Performance Survey (BEEPS); Life in Transition Survey (LiTS) and assessments prepared internally by EBRD experts (see Table M.1 below for the list of indicators).

The computation of ATQ indices involves multiple steps, namely: data preparation, normalisation and aggregation. Details of each of these steps are provided below.

Data preparation and treatment of missing observations

The underlying data for the majority of indicators either enter the composite index directly or are scaled using a meaningful related measure. A number of indicators may themselves be composite indices (for example, EBRD SME index or EBRD Knowledge Economy index) and they enter the ATQ composites in index form. No further transformation is applied to the underlying indicators before normalisation. For some indicators no data is available for the current year and simple imputation methods are used.² One method of imputation uses the latest available observation from past years, thus assuming that no change from the latest available observations available for a particular indicator, then, based on the judgement of EBRD experts, either the regional mean (using the EBRD classification of regions for the economies where it invests) or the observed regional minima are used to impute the missing observations.

For the regional disparity component of the Inclusive ATQ, imputations for the southern and eastern Mediterranean (SEMED) economies and Turkmenistan are necessary due to the LiTS (source of the data for this indicator) not being administered in these economies. In particular, a new series is generated for a full set of economies including SEMED and

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The group of comparator developed economies currently includes Canada, the Czech Republic, France, Germany, Japan, Sweden, United Kingdom and the United States of America.

² Due to lags in the availability of data, ATQ scores for a given year may not correspond fully to that calendar year. In particular, ATQ scores for 2019 reflect progress in transition based primarily on data available for the years 2017-18. Turkmenistan based on available indicators on rural-urban disparities from other sources. Using the statistical relationship between the scores produced by this series and LiTS-based regional inclusions scores, missing SEMED and Turkmenistan values were imputed. Further details of this imputation are available on request.

To mitigate the effect that extreme values may have on scores, observations that lie above the 98th percentile are considered outliers and replaced by the next value within the acceptable range. Outlier detection and replacement is only applied to select continuous variables.

Normalisation

The raw data for each indicator are normalised to the same scale using the min-max normalisation method as follows:

 $x' = \frac{x - x_{worst}}{x_{best/frontier} - x_{worst}}.$

The resulting scores are then rescaled from 1 to 10, where 10 represents the frontier for each quality. The frontier is taken to be the best performance, observed either in an economy where we invest, a comparator country or a theoretical value determined based on expert judgement.

If an observation for a country exceeds the selected frontier, then the normalised value of the indicator is capped at the frontier value. For indicators where any deviation from the frontier is undesirable, values either below or above the frontier are treated similarly (the same score is computed and assigned to two observations that are equally distant from the frontier).

Aggregation

Normalised indicators are aggregated to a single composite index (by quality) using weights determined by expert judgement (see Table M.1 for details of weights). A simple weighted averaging method is used for aggregation.

Changes to methodology from 2018

During the past year, further work on strengthening the methodology for computing ATQ indices was carried out. This work did not involve changes to the process of computation of ATQ indices and it focused largely on modifications to the set of underlying indicators. The primary purpose of this work has been ensuring that ATQs better capture the relevant phenomena and allow adequate monitoring of the pace of reforms and transformation in the region. This work resulted in the addition of new indicators, discontinuation of the use of others and use of equivalent data series from alternative sources. Details of these changes are provided below.

Competitive

- The indicator measuring the issuance of ISO certifications (scaled by population) was removed.

Inclusive

- The gender equality component of the composite was revised and it now includes the "Women, Business and the Law" index and the measure for inequality of opportunity attributable to gender. The previous financial inclusion measure (number of bank accounts) has been replaced by two indicators measuring the overall level of borrowing and savings at financial institutions and the respective percentage difference of this measure between the female and male populations.

- The opportunities for youth component of the composite was also revised. The PISA test scores were replaced by the Human Development Index harmonised test scores. Unemployment and financial inclusion dimensions of the composite (per cent of individuals with a bank account) are captured both at their level and the percentage difference between young people and adults.

- The regional disparities component was revised to include the quality of transport and trade-related infrastructure and the measure for access to heating was removed.

Resilient

- The methodology used to assess the regulatory, governance and safety nets sub-component of the financial sector resilience sub-index has changed to a new scale (indicators now have 10 categories rather than three).

Integrated

- New indicators were added to the composite: road connectivity, air transport connectivity, losses in electrical power transmission and distribution, mobile broadband basket price, international bandwidth per internet user and 3G coverage of the population.

- An indicator measuring the losses due to electrical outages was removed.

The following tables show, for each quality, the components used in each quality index along the indicators and data sources that were fed into the final assessments.

| TABLE M.1 List of indicators used to compute A | Assessment of Transition Qualities (ATQs) indices |
|--|---|
|--|---|

| Components | Sub-components | Indicators | Source | Frontier economy | Frontier value | Worst performance |
|---------------------------------|----------------|--|---|--------------------------|----------------|-------------------|
| Market structures [50%] | | Applied tariff rates ^a (weighted average) [14%] | World Bank Development Indicators (WDI), International Trade Centre, Market Access Map, 2017 | Georgia | 0.67 | 9.35 |
| | | Subsidies expense ^a (share of GDP) [14%] | International Monetary Fund, 2017 | Uzbekistan | 0.13 | 7.05 |
| | | Ease of Doing Business (Distance to frontier (DTF) Score) [14%] | World Bank Doing Business, 2019 | United States of America | 83.99 | 53.97 |
| | | Doing Business – resolving insolvency score [14%] | World Bank Doing Business, 2019 | Japan | 93.16 | 20.88 |
| | | Number of new business entries ^d (scaled by population) [7%] | WDI, 2016 | Estonia | 20.76 | 0.15 |
| | | Doing Business – starting a business ^d [7%] | World Bank Doing Business, 2019 | Canada* | 98.23 | 58.43 |
| | | SME index adjusted (1 = worst, 10 = best) [14%] | EBRD assessment, 2018 | United Kingdom | 7.73 | 3.85 |
| | | Share of advanced business services in service exports [14%] | WDI, 2017 | United Kingdom | 74.90 | 8.17 |
| pacity to generate lue added | | Economic Complexity Index [14%] | Harvard Centre for International Development, 2016 | Japan | 2.26 | -1.39 |
| [50%] | | Knowledge Economy Index (KEI) adjusted (1 = worst, 10 = best) [14%] | EBRD assessment, 2018 | Sweden | 8.09 | 1.97 |
| | | WB Logistics Performance Index (1 = worst, 5 = best) [14%] | WDI, 2018 | Germany | 4.37 | 1.96 |
| | | Quality of education system (1 = worst, 7 = best) [14%] | World Economic Forum (WEF), Global Competitiveness Index, 2017 | United States of America | 5.70 | 2.91 |
| | | Labour productivity (output per worker, GDP (constant 2011 int.US\$ PPP) [14%] | ILOSTAT, WDI, 2019 | United States of America | 112,677 | 8,898 |
| | | Credit to private sector ^b (per cent of GDP) [14%] | WDI, 2017 | Cyprus* | 100 | 13.72 |
| | | Global value chain participation [14%] | UNCTAD, EBRD, 2018 | Slovak Republic | 0.81 | 0.33 |
| | | | | 1 | | |

| WELL-GOVERNED | | | | | | | | |
|-------------------------------------|--|--|--|--|----------------|-------------------|--|--|
| Components | Sub-components | Indicators | Source | Frontier economy | Frontier value | Worst performance | | |
| National level governance [60%] | Quality of public governance [33%] | Regulatory quality (-2.5 = worst, 2.5 = best) [14%] | World Bank Governance Indicators, 2017 | Canada | 1.85 | -2.09 | | |
| | | Government effectiveness (-2.5 = worst, 2.5 = best) [14%] | World Bank Governance Indicators, 2017 | Sweden* | 1.84 | -1.21 | | |
| | | Transparency of government policy making (1 = worst, 7 = best) [14%] | WEF Global Competitiveness Index, 2017 | Canada | 5.67 | 2.71 | | |
| | | Private property protection ^e (1 = worst, 7 = best) [14%] | WEF Global Competitiveness Index, 2018 | No economy was at the frontier in 2019 | 6.28 | 2.87 | | |
| | | Intellectual property protection ^e (1 = worst, 7 = best) [14%] | WEF Global Competitiveness Index, 2018 | No economy was at the frontier in 2019 | 6.09 | 2.93 | | |
| | | Burden of government regulation (1 = worst, 7 = best) [14%] | WEF Global Competitiveness Index, 2018 | Germany* | 4.83 | 1.85 | | |
| | | Political instability [14%] | World Bank/EBRD BEEPS, 2014 | Azerbaijan | 0 | 0.96 | | |
| | | Freedom of the press ^{a, f} (100 = least free, 0 = most free) [7%] | Freedom House, 2016 | Sweden | 11 | 98 | | |
| | | World press freedom index ^{a, f} (100 = least free, 0 = most free) [7%] | Reporters Without Borders, 2018 | Sweden | 12.33 | 84.20 | | |
| | Integrity and control of corruption [33%] | Control of corruption ^g (-2.5 = worst, 2.5 = best) [19%] | World Bank Governance Indicators, 2017 | Sweden | 2.14 | -1.52 | | |
| | | Corruption perception index ^{f, g} (0 = highly corrupt, 100 = not corrupt) [19%] | Transparency International, 2018 | Sweden | 84 | 19 | | |
| | | Perception of corruption ^g [19%] | World Bank/EBRD BEEPS, 2014 | Estonia | 0.01 | 0.71 | | |
| | | Informality ^a [22%] | World Bank/EBRD BEEPS, 2014 | Jordan | 0.04 | 0.62 | | |
| | | Implementation of anti-money laundering (AML)/combating the financing of terrorism (CFT)/ tax exchange standards ^a (0 = low risk, 10 = high risk) [22%] | International Centre for Asset Recovery, 2018 | Estonia* | 3.33 | 8.30 | | |
| | Rule of law [33%] | Judicial independence (1 = worst, 7 = best) [20%] | WEF Global Competitiveness Index, 2018 | No economy was at the frontier in 2019 | 6.30 | 1.99 | | |
| | | Efficiency of legal framework in settling disputes ^h (1 = worst, 7 = best) [10%] | WEF Global Competitiveness Index, 2018 | United States of America | 5.69 | 1.86 | | |
| | | Efficiency of legal framework in challenging regulations (1 = worst, 7 = best) [20%] | WEF Global Competitiveness Index, 2018 | United States of America | 5.21 | 1.83 | | |
| | | Enforcement of contracts h [10%] | World Bank Doing Business, 2018 | No economy was at the frontier in 2019 | 91.23 | 42.75 | | |
| | | Rule of law (- 2.5 = worst, 2.5 = best) [20%] | World Bank Governance Indicators, 2017 | Sweden | 1.94 | -1.49 | | |
| | | Effectiveness of courts a [20%] | World Bank/EBRD BEEPS, 2014 | Jordan | 0.00 | -0.28 | | |
| Corporate level governance [40%] | Corporate governance frameworks and practices [80%] | Structure and functioning of the board [20%] | EBRD Legal Transition Team (LTT) Corporate Governance Assessment, 2017 | Czech Republic* | 3.68 | 1.78 | | |
| | | Transparency and disclosure i [10%] | EBRD LTT Corporate Governance Assessment, 2017 | Czech Republic* | 4.66 | 1.96 | | |
| | | Internal control [20%] | EBRD LTT Corporate Governance Assessment, 2017 | Czech Republic* | 4.00 | 0.60 | | |
| | | Rights of shareholders ^j [10%] | EBRD LTT Corporate Governance Assessment, 2017 | Czech Republic* | 4.20 | 2.75 | | |
| | | Stakeholders and institutions [20%] | EBRD LTT Corporate Governance Assessment, 2017 | Czech Republic* | 4.16 | 0.18 | | |
| | | Strength of auditing and reporting standards ⁱ (1 = worst, 7 = best) [10%] | WEF Global Competitiveness Index, 2018 | Canada | 6.22 | 3.33 | | |
| | | Protection of minority shareholders' interest [10%] | World Bank Doing Business, 2018 | Georgia* | 80.00 | 38.33 | | |
| | Integrity and other governance-related business standards and practices [20%] | Ethical behaviour of firms (1 = worst, 7 = best) [100%] | WEF Global Competitiveness Index, 2017 | Sweden | 5.98 | 2.65 | | |

TRANSITION REPORT 2019-20 BETTER GOVERNANCE, BETTER ECONOMIES

| GREEN | | | | | | |
|------------------------------------|--------------------------------|--|---|------------------|----------------|-------------------|
| Components | Sub-components | Indicators | Source | Frontier economy | Frontier value | Worst performance |
| Mitigation [35%] | Physical indicators [37%] | Electricity production from renewable sources, including hydroelectric (per cent of total) [17%] | World Bank, 2015 | Albania | 100 | 0.82 |
| | | Value added from industry (construction, manufacturing, mining, electricity, water and gas) per unit of CO_2 emissions from industry (GVA (US \$) / total CO_2) [17%] | World Bank, International Energy Agency (IEA), 2016 | Sweden | 17,255 | 575 |
| | | MWh consumed per tonne of CO ₂ emitted from electricity and heat generation (MWh/ total CO ₂) [17%] | World Bank, IEA, 2015 | Albania* | 42.88 | 0.12 |
| | | $\label{eq:GDP} \begin{array}{l} \mbox{GDP per tonne of CO_2 emitted} \\ \mbox{from residential buildings (from fuel combustion) (GDP(US$) / total CO_2) [17%]} \end{array}$ | World Bank, IEA, 2016 | Sweden | 4,870,654 | 9,312 |
| | | Number of registered vehicles per tonne of CO ₂ emitted from transport [17%] | World Health Organization (WHO), IEA, 2012 | Lebanon | 7.38 | 0.79 |
| | | Agricultural sector GVA per tonne of GHG emissions from agriculture (GVA (US \$) / total CO ₂ eq) [17%] | World Bank, Food and Agriculture Organization of the United Nations (FAO), 2016 | Japan | 2,625 | 66 |
| | Structural indicators [63%] | Market support mechanism (0=no support, 0.5 regulatory support, 1 = revenue support) [25%] | IEA, 2018 | Canada* | 1 | 0.50 |
| | | INDC rating (0 for no INDC. 0.5 for INDC but not ratified. 1 for ratified INDC) [25%] | World Resources Institute (WRI), CAIT, 2018 | Canada* | 1 | 0 |
| | | Carbon price (0 = worst, 1 = best) [25%] | World Bank, 2018 | France* | 1 | 0 |
| | | Fossil fuel subsidies (per cent of GDP) ° [25%] | IMF, 2015 | Sweden* | 0 | 11.91 |
| daptation [30%] | Physical indicators [45%] | NDGAIN human habitat score a [25%] | Notre Dame Global Adaptation Initiative, 2017 | Germany | 0.25 | 0.63 |
| | | Aqueduct water stress index a [25%] | World Resource Institute (WRI), 2013 | Slovenia | 0.83 | 3.14 |
| | | NDGAIN projected change in cereal yield * [25%] | Notre Dame Global Adaptation Initiative, 2017 | Canada* | 0 | 0.85 |
| | | WDI Occurrence of droughts, floods, extreme temperatures ^a (per cent of population affected 1990-2009) [25%] | World Bank, WDI, 2009 | Sweden* | 0 | 5.38 |
| | Structural indicators [55%] | NDGAIN agricultural capacity ^a [20%] | Notre Dame Global Adaptation Initiative, 2017 | Turkmenistan | 0 | 0.99 |
| | | World Governance Indicators: Institutional Quality (- 2.5 = worst, 2.5 = best) [40%] | World Bank, World Governance Indicators, 2017 | Canada* | 1.82 | -1.61 |
| | | Adaptation mentioned in INDCs (1 = yes, 0 = no) [40%] | CGSpace, CGIAR, 2018 | Armenia* | 1.00 | 0 |
| Other environmental areas [30%] | Physical indicators [37%] | Population weighted mean annual exposure to PM2.5 ° [22%] | World Bank, WDI, 2017 | Козоvо | 0 | 88.15 |
| | | Waste intensive consumption (kg municipal solid waste/US\$ household expenditure) ^a [22%] | Waste Atlas, 2015 | Japan | 0.01 | 0.33 |
| | | Waste generation per capita (kg/cap) ª [22%] | Waste Atlas, 2015 | Armenia | 119 | 777 |
| | | Number of animal (terrestrial and marine) species threatened as proportion of total number assessed ^a [17%] | IUNC Red list, 2018 | Estonia | 0.04 | 0.18 |
| | | Number of plant (terrestrial and marine) species threatened normalised by total number assessed * [17%] | IUNC Red list, 2018 | Canada* | 0 | 0.27 |
| | Structural indicators [63%] | Vehicle emission standards (0 = worst, 6 = best) [34%] | UN Environment Programme, 2018 | Germany* | 6 | 0 |
| | | Municipal solid waste collected (per cent of total generated [34%] | Waste Atlas, 2015 | France* | 100 | 39 |
| | | Proportion of terrestrial protected area (per cent of total area) [16%] | World Bank, 2017 | Slovenia | 53.62 | 0 |
| | | Proportion of marine protected areas (per cent of total area) [16%] | World Bank, 2017 | Slovenia | 100 | 0 |
| Cross-cutting [5%] | | Number of environmental technology patents (per cent of GDP (billion US\$)) [100%] | OECD, 2014 | Japan | 0.61 | 0 |

| INCLUSIVE | | | | | | |
|----------------------------------|----------------|---|--|--|----------------|-------------------|
| Components | Sub-components | Indicators | Source | Frontier economy | Frontier value | Worst performance |
| Gender equality [33%] | | Women Business and the Law Index (0 = worst, 100 = best) [13%] | World Bank, 2018 | Sweden* | 100 | 35.00 |
| | | Social Institutions and Gender Index ^{a, b} (0 = best) [13%] | 0ECD, 2018 | No economy was at the frontier in 2019 | 0 | 0.57 |
| | | Inequality of opportunity attributable to gender ^{a, b} [13%] | EBRD, LITS, 2016 | No economy was at the frontier in 2019 | 0 | 0.08 |
| | | Women employers (per cent of employers) ° [13%] | ILOSTAT, 2017 | No economy was at the frontier in 2019 | 50.00 | 0 |
| | | Women in managerial roles (per cent of all in managerial roles) ° [13%] | ILOSTAT, 2017 | No economy was at the frontier in 2019 | 50.00 | 6.40 |
| | | Per cent of individuals that borrow from a financial institution ^k [6%] | World Bank Financial Inclusion Database, 2017 | No economy was at the frontier in 2019 | 35.66 | 0.84 |
| | | Per cent of individuals that save at a financial institution $^{\rm I}[6\%]$ | World Bank Financial Inclusion Database, 2017 | Sweden | 75.43 | 0.12 |
| | | Percentage difference between female and male who have borrowed from a financial institution ^{a, c, k} [6%] | World Bank Financial Inclusion Database, 2017 | No economy was at the frontier in 2019 | 0 | 0.68 |
| | | Percentage difference between female and male who have saved at a financial institution ^{a, c, 1} [6%] | World Bank Financial Inclusion Database, 2017 | No economy was at the frontier in 2019 | 0 | 0.74 |
| | | Labour force participation rate [1] [6%] | ILOSTAT, 2018 | Sweden | 73.20 | 34.10 |
| | | Percentage difference in labour force participation rate of men and women ^{a, c, m} [6%] | ILOSTAT, 2018 | No economy was at the frontier in 2019 | 0 | 0.79 |
| Opportunities for youth [33%] | | Median age [17%] | UN-DESA, World Population Prospects, 2015 | Japan | 46.35 | 19.45 |
| | | Harmonised test scores [17%] | Human Development Index, 2017 | Japan | 563.36 | 355.99 |
| | | Perception of quality of education system (1 = worst, 7 = best) [17%] | WEF Global Competitiveness Index, 2017 | United States of America | 5.62 | 2.14 |
| | | Hiring and firing flexibility [17%] | WEF Global Competitiveness Index, 2017 | United States of America | 5.44 | 2.37 |
| | | Unemployment rate ^{a, n} (15+) [8%] | ILOSTAT, 2018 | Czech Republic | 2.20 | 30.80 |
| | | Percentage difference between youth (15-24) and adult (25+) unemployment rates ^{a, c, n} [8%] | ILOSTAT, 2018 | No economy was at the frontier in 2019 | 0 | 0.80 |
| | | Per cent of individuals with a bank account ° [8%] | World Bank Financial Inclusion Database, 2017 | Sweden | 99.74 | 0.40 |
| | | Percentage difference between number of youth (15-24) and adults(15+) with a bank account ^{a, c, o} [8%] | World Bank Financial Inclusion Database, 2017 | No economy was at the frontier in 2019 | 0 | 0.78 |
| Regional disparities [33%] | | Quality of transport and trade related infrastructure (1 = worst, 5 = best) [13%] | World Bank LPI, 2018 | Germany | 4.44 | 1.96 |
| | | Access to computer a [13%] | EBRD, LITS, 2016 | Germany | 0.25 | 0.79 |
| | | Access to internet a [13%] | EBRD, LITS, 2016 | No economy was at the frontier in 2019 | 0.26 | 0.86 |
| | | Access to water a [13%] | EBRD, LITS, 2016 | Germany* | 0 | 0.97 |
| | | Percentage of establishments with checking or savings account ^a [13%] | EBRD, BEEPS V and MENA, 2015 | Russia | 0 | 0.45 |
| | | Quality of administrative, health and education systems a [13%] | EBRD, LITS, 2016 | Uzbekistan | 1.25 | 3.05 |
| | | Household head labour market status (worked in the last 12 months) ^a [13%] | EBRD, LITS, 2016 | Czech Republic | 0.39 | 0.71 |
| | | Completed education of the household head in working age (25-65) ^a [13%] | EBRD, LITS, 2016 | Estonia | 0.07 | 0.87 |

TRANSITION REPORT 2019-20 BETTER GOVERNANCE, BETTER ECONOMIES

| RESILIENT | | | | | | | |
|-----------------------------------|--|--|--|---|----------------|-------------------|--|
| Components | Sub-components | Indicators | Source | Frontier economy | Frontier value | Worst performance | |
| Energy sector resilience [30%] | Liberalisation and market liquidity [50%] | Sector restructuring, corporatisation and unbundling (0 = worst, 0.67 = best) [33%] | EBRD assessment, 2018 | Germany* | 0.67 | 0 | |
| | | Fostering private sector participation (0 = worst, 0.67 = best) [33%] | EBRD assessment, 2018 | United States of America* | 0.67 | 0 | |
| | | Tariff reform (0 = worst, 0.67 = best) [33%] | EBRD assessment, 2018 | Czech Republic* | 0.67 | 0 | |
| | System connectivity [20%] | Domestic connectivity (0 = worst, 0.67 = best) [35%] | EBRD assessment, 2018 | Czech Republic* | 0.67 | 0.09 | |
| | | Inter-country connectivity (0 = worst, 0.67 = best) [65%] | EBRD assessment, 2018 | Germany* | 0.67 | 0 | |
| | Regulation and legal framework [30%] | Development of an adequate legal framework (0 = worst, 0.67 = best) [50%] | EBRD assessment, 2018 | Czech Republic* | 0.67 | 0 | |
| | | Establishment of an empowered independent energy regulator (0 = worst, 0.67 = best) [50%] | EBRD assessment, 2018 | Czech Republic* | 0.67 | 0 | |
| Financial stability [70%] | Banking sector health and intermediation [65%] | Capital adequacy ratio [9%] | IMF Financial Soundness Indicators (FSI), IMF Article IV, IHS Markit, National Authorities, Fitch - Sovereign Data Comparator, EBRD FI Risk Reports, 2018 | No economy was at the frontier in 2019 | 0.30 | 0.06 | |
| | | Return on assets [9%] | IMF FSI, IMF Article IV, IHS Markit, National Authorities, Fitch - Sovereign Data Comparator, EBRD FI Risk Reports, 2018 | Azerbaijan* | 3.16 | -12.47 | |
| | | Loan to deposits ratio ° [9%] | IMF FSI, IMF Article IV, IHS Markit, National Authorities, Fitch - Sovereign Data Comparator, EBRD FI Risk Reports, 2018 | No economy was at the frontier in 2019 | 1 | 0.36 | |
| | | NPLs to total gross loans (per cent) ^a [9%] | IMF FSI, IMF Article IV, IHS Markit, National Authorities, Fitch - Sovereign Data Comparator, S&P BICRA, EBRD FI Risk Reports, 2018 | Canada | 0.59 | 54.54 | |
| | | Loan loss reserves to NPLs (Provisions to NPLs) ^b [9%] | IMF FSI, IHS Markit, National Authorities, EBRD FI Risk Reports, 2018 | Azerbaijan* | 100 | 15.14 | |
| | | Asset share of five largest banks ^a [9%] | World Bank Global Financial Development Database (GFDD), IMF FSSA, EBRD FI Risk Reports, 2017 | United States of America | 46.53 | 99.89 | |
| | | Asset share of private banks [9%] | World Bank GFDD, EBRD FI Risk Reports, IMF Article IV, IMF FSSA, Bank Focus, 2018 | Canada* | 100 | 0 | |
| | | Financial sector assets ° (per cent of GDP) [9%] | IMF FSI, EBRD, Internal Sovereign Risk Report, Bank Focus, National Authorities, IHS Markit, 2018 | No economy was at the frontier in 2019 | 100 | 30.80 | |
| | | Credit to private sector ° (per cent of GDP) [9%] | World Bank GFDD, S&P BICRA, IMF Article IV, WDI, 2017 | No economy was at the frontier in 2019 | 80 | 4.02 | |
| | | Foreign currency denominated loans ^a (per cent of total loans) [9%] | IMF FSI, IMF Article IV, IHS Markit, National Authorities, 2018 | United States of America* | 0 | 100 | |
| | | Liquid assets to short-term liabilities (per cent) [9%] | IMF FSI, World Bank GFDD, IMF Article IV, National Authorities, EBRD FI Risk Overview, 2018 | Latvia | 266.86 | 15.54 | |
| | Alternative sources of funding [12%] | Other Financial Corporation's assets ^b (per cent of GDP) [50%] | IMF FSI, World Bank GFDD, IMF Article IV, National Authorities, EBRD FI Risk Overview, IMF FSSA, AFDB, 2018 | Canada* | 100 | 0.32 | |
| | | Stock market capitalisation ^b (per cent of GDP) [50%] | World Bank WDI, IMF FSSA, IMF FSI, 2017 | United States of America* | 79.24 | 0 | |
| | Regulation, governance and safety nets [24%] | Is there a well-functioning deposit insurance scheme? (1 = worst, 10 = best) [25%] | EBRD assessment, 2018 | Czech Republic* | 10 | 1 | |
| | | Do the banks have good risk management and corporate governance practices? (1 = worst, 10 = best) [25%] | EBRD assessment, 2018 | Czech Republic* | 10 | 1 | |
| | | Is there an adequate legal and regulatory framework in place? (1 = worst, 10 = best) [25%] | EBRD assessment, 2018 | Czech Republic* | 10 | 1 | |
| | | Is the supervisory body independent and competent? (1 = worst, 10 = best) [25%] | EBRD assessment, 2018 | Czech Republic* | 10 | 1 | |

| INTEGRATED | | | | | | | |
|----------------------------|---------------------------------|--|--|--|----------------|-------------------|--|
| Components | Sub-components | Indicators | Source | Frontier economy | Frontier value | Worst performance | |
| External integration [50%] | Trade openness [33%] | Total trade volume (per cent of GDP, five year moving average) [50%] | World Bank, WDI, 2017 | Slovak Republic | 184.59 | 29.11 | |
| | | Number of Regional Trade Agreements [17%] | World Trade Organization, 2018 | Germany* | 41 | 1 | |
| | | Binding overhang ratio ^{a, b} (%) [17%] | World Trade Organization, 2017 | Germany* | 0 | 46.30 | |
| | | Number of non-tariff measures *[17%] | World Trade Organization, 2018 | No economy was at the frontier in 2019 | 0 | 4,673 | |
| | Investment openness [33%] | FDI inflows (per cent of GDP, 5 year moving average) [50%] | IMF, International Investment Position Statistics, 2018 | Cyprus | 9.51 | 0.78 | |
| | | Number of bilateral investment agreements [25%] | UNCTAD, 2018 | Germany | 183 | 8 | |
| | | FDI Restrictiveness indicator ^a [25%] | 0ECD, 2018 | Kosovo | 0 | 0.24 | |
| | Portfolio openness [33%] | Non-FDI inflows (per cent of GDP, 5 year moving average) [50%] | IMF, International Investment Position Statistics, 2018 | Cyprus | 9.61 | -5.46 | |
| | | Financial openness index (Chinn-Ito) [50%] | Chinn-Ito webpage, 2016 | Germany* | 2.36 | -1.91 | |
| Internal integration [50%] | Domestic transport [25%] | Quality of road infrastructure (1 = worst, 7 = best) [6%] | WEF Global Competitiveness Index, 2018 | No economy was at the frontier in 2019 | 6.12 | 2.41 | |
| | | Road connectivity [6%] | WEF Global Competitiveness Index, 2018 | United States of America | 99.96 | 27.72 | |
| | | Quality of railroad infrastructure (1 = worst, 7 = best) [13%] | WEF Global Competitiveness Index, 2018 | Japan | 6.66 | 1.03 | |
| | | Quality of port infrastructure (1 = worst, 7 = best) [13%] | WEF Global Competitiveness Index, 2018 | Japan* | 5.84 | 1.03 | |
| | | Efficiency of air transport (1 = worst, 7 = best) [6%] | WEF Global Competitiveness Index, 2018 | Japan | 6.10 | 2.60 | |
| | | Air transport connectivity [6%] | WEF Global Competitiveness Index, 2018 | United States of America | 100 | 23.77 | |
| | | Competence and quality of logistics services (1 = worst, 5 = best) [13%] | World Bank, LPI database, 2018 | Germany | 4.31 | 1.96 | |
| | | Tracking and tracing of consignments (1 = worst, 5 = best) [13%] | World Bank, LPI database, 2018 | Germany | 4.38 | 1.84 | |
| | | Timeliness of shipments (1 = worst, 5 = best) [13%] | World Bank, LPI database, 2018 | Germany | 4.45 | 2.04 | |
| | | Proportion of products lost to breakage or spoilage during shipping ^a [13%] | World Bank, Enterprise Surveys, 2013 | Latvia* | 0 | 2.90 | |
| | Cross-border transport [33%] | Quality of customs and border management, trade and transport infrastructure and ease of arranging shipments (1 = worst, 5 = best) [50%] | World Bank, LPI database, 2018 | Germany | 4.14 | 1.95 | |
| | | Cost of trading across borders [50%] | World Bank, <i>Doing Business,</i> 2018 | France* | 100 | 51.01 | |
| | Energy and ICT [33%] | Quality of electricity supply (1 = worst, 7 = best) [25%] | WEF Global Competitiveness Index, 2017 | France | 6.78 | 1.65 | |
| | | Electric power transmission and distribution losses as percentage of domestic supply ^a [13%] | IEA, 2018 | No economy was at the frontier in 2019 | 2.34 | 23.39 | |
| | | Time required to get electricity ^a (days) [13%] | World Bank, WDI, 2018 | Germany | 28 | 281 | |
| | | Broadband subscription (per 100 habitants) [13%] | ITU, 2017 | France | 43.72 | 0.07 | |
| | | Number of internet users (per cent of population) [13%] | ITU, 2016 | Sweden | 96.41 | 17.99 | |
| | | Level of competition for internet services (50 = monopoly, 75 = partially competitive, 100 = competitive) [6%] | World Bank, The Little Data Book, 2017 | United States of America* | 100 | 50 | |
| | | Mobile broadband basket price ^a [6%] | ITU, 2017 | Russia | 0.22 | 5.95 | |
| | | International internet bandwidth per internet user [6%] | ITU, 2016 | Sweden | 253,090 | 0 | |
| | | 3G coverage (per cent of population) [6%] | ITU, 2017 | Sweden* | 100 | 94.00 | |

* Additional economies are at the frontier. Further information is available on request.

^a Inverted before normalisation.
 ^b Capped at frontier.
 ^c Mirrored from frontier.

⁶ Mirrored from noncei.
 ⁶ Mean of "New business entries" and "Starting a business" indicators enters the final index.
 ⁶ Mean of "Private property protection" and "Intellectual property protection " indicators enters the final index.
 ⁶ Mean of "Centrol of corruption", "Perception of corruption" and "Corruption perception index" indicators enters the final index.
 ⁸ Mean of "Control of corruption", "Perception of corruption" and "Corruption perception index" indicators enters the final index.

"Mean of "Enforcement of contracts" and "Efficiency of legal framework in settling disputes" indicators enters the final index. "Mean of "Transparency and disclosure" and "Strength of auditing and reporting standards" indicators enters the final index.

¹ Mean of "Rights of shareholders" and "Protection of minority shareholders" interest" indicators enters the final index.
 ^k Mean of "Per cent of individuals who borrow from a financial institution" and "Percentage difference between female and male who have borrowed from a financial institution" enters the final index.
 ^k Mean of "Per cent of individuals that save at a financial institution" and "Percentage difference between female and male that have saved at a financial institution" enters the final index.
 ^k Mean of "Labour force participation rate" and "Percentage change between female and male labour force participation rate" and "Percentage change between female and male labour force participation rate" and "Percentage difference between female and male labour force participation rate" and "Percentage difference between youth and adult unemployment rate" onto the final index.

Mean of "Per cent of individuals that hold a bank account" and "Percentage difference between youths and adults that hold a bank account" enters the final index.