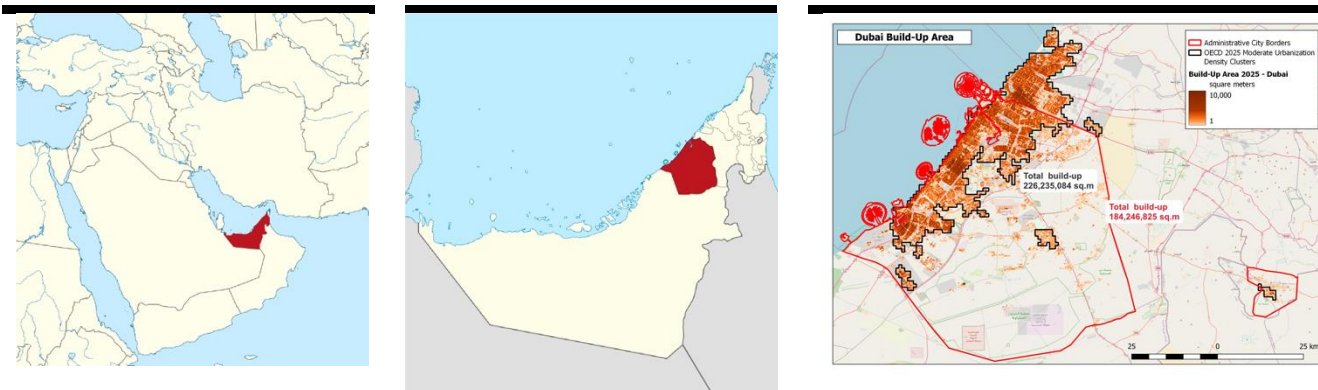# RESILIENCE RATING ON DUBAI

DUBAI, UNITED ARAB EMIRATES

Dubai is the most populated city in the United Arab Emirates (UAE) and the capital of the Emirate of Dubai — the most populated of the 7 emirates in the country. Due to its location on the coast of the Persian Gulf, it is a major transport hub and a centre for regional and international trade since the early 20th century.

INTEGRAL RATING

Resilience rating score

B-1

Environmental	Social	Governmental
B-2	A-2	A-3

C-3	C-2	C-1	B-3	B-2	B-1	A-3	A-2	A-1
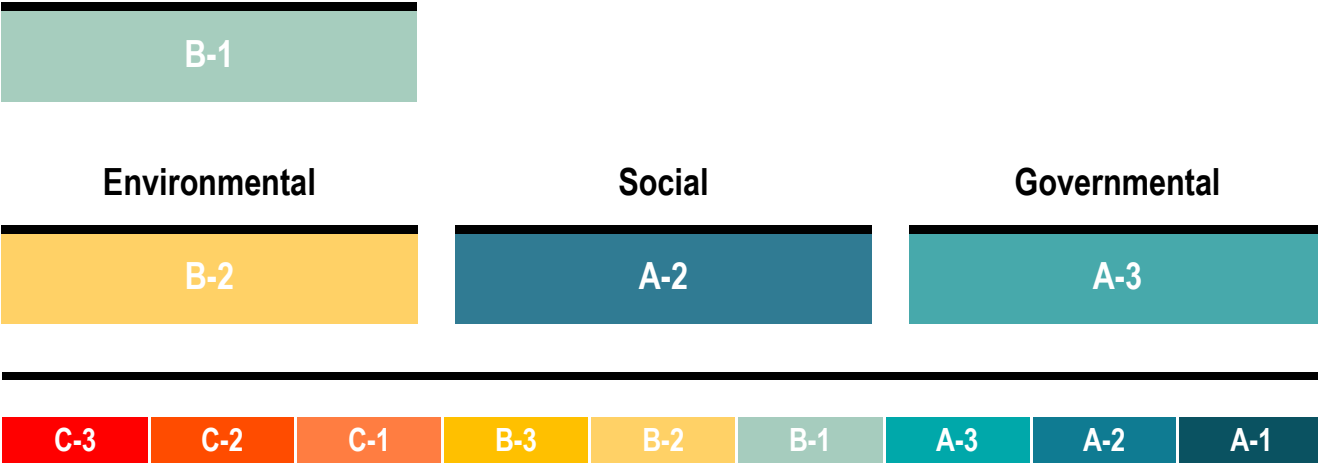
CATEGORIES' ASSESSMENT

1	2	3	4	5
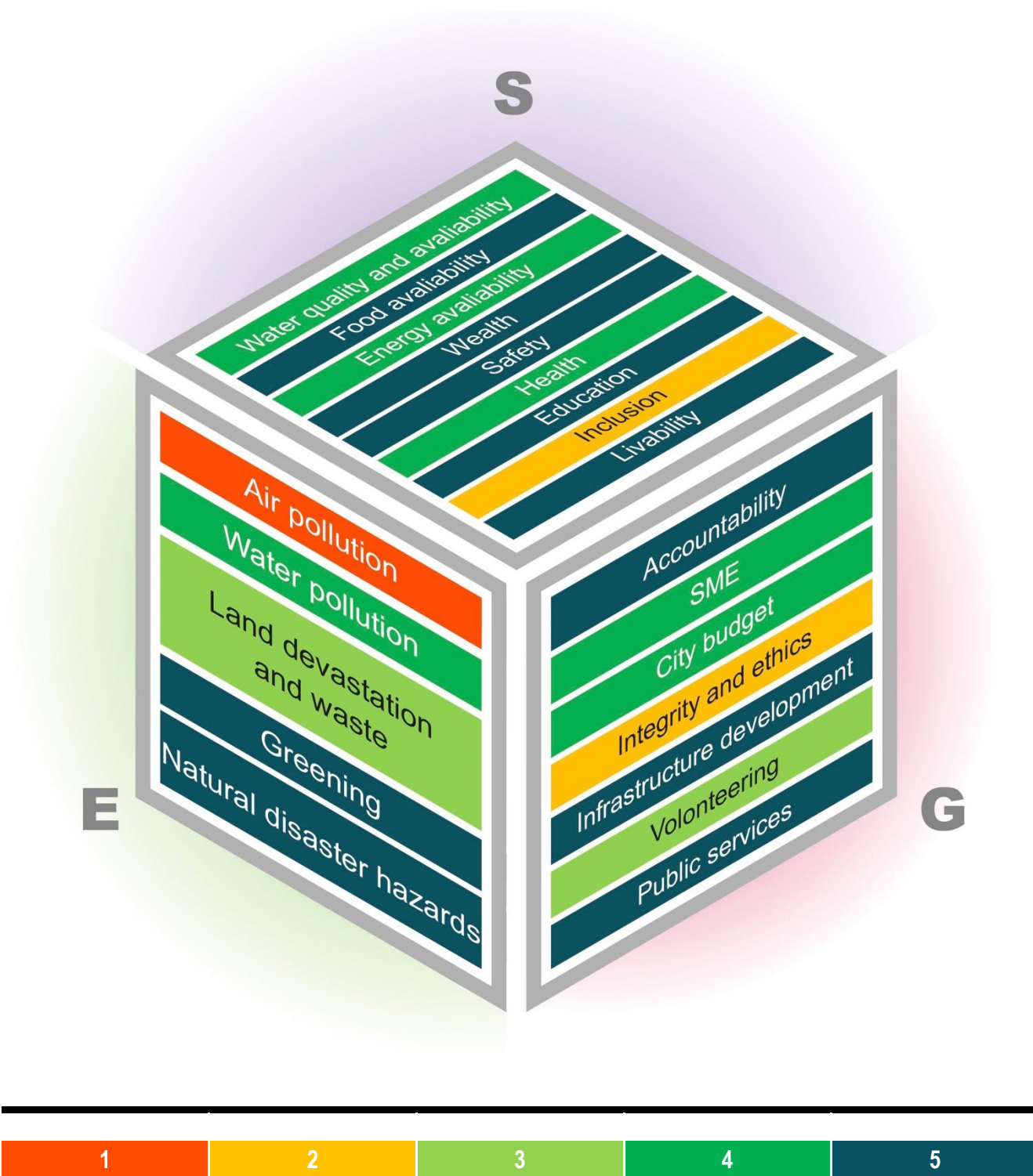
- Dubai city B-1 rating is driven by relatively sound living conditions: the city is characterized by the low crime rate, availability of basic living facilities including water, electricity, and sanitary access to all its residents and other essential infrastructure including good road quality, and high-end schooling and healthcare systems.

- Generally fair wealth distribution with high median income, low poverty rates, and absences of slums, as well as low levels of food insecurity are also positively differentiating the city against peers and making it a globally attractive place to reside in.

- Rating level is somewhat constrained by city's air quality. Large PM10 concentrations are stemming from proximity to desert areas, while dense traffic levels support concentrations of other pollutants in the air. Location in arid area, and high average temperatures are somewhat hindering city's tremendous efforts to expand its green areas and thus improve air quality. Comparatively high greenhouse gas emissions per capita is a consequence of high living standards. The future of air pollution mitigation, will be linked to promoting electric vehicles and implementation of urban planning policies aimed at reducing long-distance travel within the city, providing new neighbourhoods with the leisure, and social infrastructure.

- Also, despite Dubai's extensive scale of construction works, construction waste recycling is lagging behind. The city is producing relatively large amount of non-construction waste per capita as well, as another consequence of high consumption standards.

- Moreover, city is an attractive place for foreign employees but labour conditions for low-skilled personnel are relatively poor.

ENVIRONMENTAL	
Air pollution	
Annual average of SO_2 concentration in ambient air, microgram/m^3	
Annual Average of SO_2 Concentration in Ambient Air (change in last 3 years), microgram/m^3	
Annual Average of NO_2 Concentration in Ambient Air, microgram/m^3	
Annual Average of NO_2 Concentration in Ambient Air (change in last 3 years), microgram/m^3	
Annual Average of O_3 Concentration in Ambient Air, microgram/m^3	
Annual Average of O_3 Concentration in Ambient Air (change in last 3 years), microgram/m^3	
Annual Average of CO Concentration in Ambient Air, microgram/m^3	
Annual Average of CO Concentration in Ambient Air (change in last 3 years), microgram/m^3	
Annual Average of Particulate Matter (PM10) Concentration in Ambient Air, microgram/m^3	
Annual Average of Particulate Matter (PM10) Concentration in Ambient Air (change in last 3 years), microgram/m^3	

Annual average of CH_4 concentration in ambient air, microgram/m3	
Annual average of CH_4 concentration in ambient air (change in last 3 years), microgram/m^3	
CO^2 concentration, tons per capita, TCO_2e/year	
CO^2 concentration, tons per capita (change in last 3 years), TCO_2e/year	
CO^2 emissions	
CO^2 emissions, (change in last 3 years)	
Paris Agreement	
Water pollution	
Annual average of dissolved oxygen (DO) concentration in water	
Annual average of pH concentration in water	
Land devastation and waste	
Share of devastated and degraded land requiring reclamation in total area, % total area	
3-year average growth rate of devastated and degraded land area requiring reclamation, %	
Collected and managed in dumps wastes (hazardous and non hazardous), tons per capita	
Collected and managed in dumps wastes (hazardous and non hazardous), tons per capita (change in last 3 years)	
Total recycled construction waste, tons per capita	
Share of recycled construction and demolish waste in total generated construction and demolish waste, %	
Waste deposits, % total area	
Greening	
Green spaces, %	
Green spaces, change in last 3 years, %	
Natural disaster hazards	
Growth rate of freshwater mirror area, %	
Share of total area with altitude above sea level less than 0,5 meters, %	
Number of registered heavy rain, flood and thunderbolt (change in last 3 years)	
Number of registered sand storm (change in last 3 years)	
Environmental/natural disasters' risk mitigation	
SOCIAL	
Health	
Human development index	
Water quality and avaliability	
Percentage of population with access to drinking water, %	
Percentage of population with access to drinking water (change in last 3 years), %	
Percentage of population with access to sanitary facilities, %	
Percentage of population with access to sanitary facilities (change in last 3 years), %	
Water consumption per capita, mcm	
Water consumption per capita (change in last 3 years), mcm	
Water tariff to disposable income ratio	
Sanitary facilities tariff to disposable income ratio	
Food avaliability	
Cereal import dependency ratio (5-years average), %	
Cereal import dependency ratio (change in last 3 years),	
Prevalence of undernourishment (change in last 3 years), %	

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Indicator	Status
Prevalence of undernourishment children (change in last 3 years), %	🟩
Prevalence of moderate or severe food insecurity in the population, %	🟨
Energy avaliability	
Percentage of urban population with access to electricity, %	🟩
Percentage of urban population with access to electricity (change in last 3 years)	🟩
Consumption of electricity per capita	🟩
Consumption of electricity per capita (change in last 3 years)	🟩
Electricity tariff to disposable income ratio	🟧
Wealth	
Mean salary, 2017 PPP$	🟩
Mean salary, change in last 3 years	
Disposable income	
Disposable income (change in last 3 years)	
Decile coefficient by income	🟨
Decile coefficient by income (change in last 3 years)	🟩
Percentage of wealth owned by 10% of the richest population, %	🟩
Number of mobile phones per 1 000 population	🟨
Debt to salary ratio	🟧
Living spaces per capita, sq m (change in last 3 years)	🟨
Poverty headcount ratio at national poverty lines (% of population)	🟩
Working poverty rate (percentage of employed living below US$1.90 PPP), 15+ age (%)	🟩
Poverty headcount ratio at $2.15 PPP 2017 a day	🟩
Percentage of population with food expenditure is above 52% of total expenditure, %	🟨
Safety	
Crime rate per 1 000 population	🟩
Violent crime rate per 100 000 population	🟩
Violent crime rate per 100 000 population (change in last 3 years)	🟧
Road fatalities rate per 100 000 population	🟩
Road fatalities rate per 100 000 population (change in last 3 years)	🟩
Police arrival speed, min	🟩
Health	
Number of hospital beds per 1000 population	🟨
Number of doctors per 1000 population	🟨
Life expectancy at birth, years, 3-year average	🟩
Life expectancy at birth goals	🟩
City ambulance	🟩
Child mortality rate (under 5 years-old), % of live births	🟩
Education	
Literacy rate among population (15—24 Years), %	🟩
Literacy rate among population (15—24 Years) (change in last 3 years)	🟩
Proportion of population with post-secondary and higher education, %	🟩
Pupils per teacher rate	🟩
Primary education engagement, %	🟩
Inclusion	
Female-friendly city	🟨
Number of refugees per 1000 population	🟩
Social progress Index	🟧
Integrity and ethics	
Homeless people per 1 000 population	🟨
Slavery index	🟧
Difference in number of years of schooling between woman and man, woman to man ratio	🟨

Livability

Green spaces, %	
Green spaces, change in last 3 years, %	
Share of green spaces without fee at the entrace, %	
Number of LEED certified green buildings (certified square meteres per capita)	
Number of CEEQUAL certified projects	
Whether or not the city has ISO 37120 certification	
Schools availability	
Time loss in traffic, %	
Public spaces (amusement parks, restaurants, playgrounds, sports fields, dog walking)), % city square	
Perception of topic Index	
Perception of topic Index dynamics	
Public transport (excluding subway) operates by schedule	

GOVERNMENTAL

Accountability

City budget execution publication	
City budget publication	
Financial transparency on city government companies	
City ESG reporting	
City ESG reporting verification	
City council checks and balances	
ISO certification	
Plans to obtain ISO certification	

SME

Number of SMEs per capita/100 000 population	
Number of SMEs per capita/100 000 population (change in last 3 years)	
Number of start-ups	
Number of start-ups (change in last 3 years)	
Global Startup Ecosystem Index	

City budget

Poor financial condition	
Central/higher level government financial intervention taking place	
Central/higher level government financial intervention is considered	
Prudent fiscal policy requirements	
Long-term planning	
Medium-term planning	
ESG planing	

Public services

E-gov services	
Services for working with citizens' appeals and complaint	

Infrastructure development

Internet coverage	
Mobile connection coverage	

Public services

Free phone to call the police	
Free phone to call the ambulance	
Free phone to call the firefighters	