

Using benchmarks to transform Dubai into a global city

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Dubai is the Arab World's global city

It bridges East and West, as well as being a gateway to the MENA region



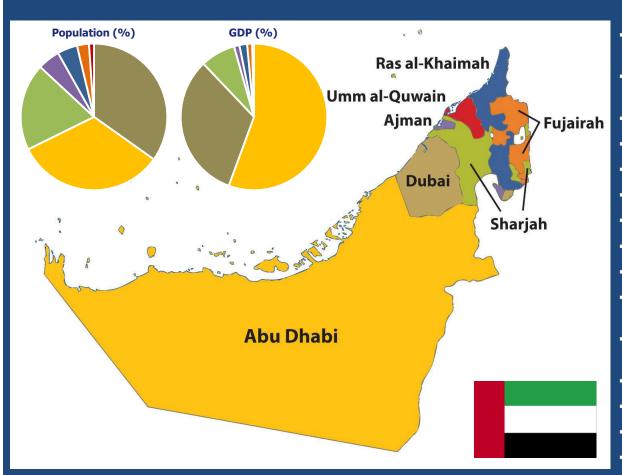






It is the commercial capital of the country and preferred home for expats





- Name: United Arab Emirates (UAE)
- **Gvt type:** Federation of 7 emirates
- **Population:** 9.3 million
- **GDP (BN):** \$325; \$670 (PPP)
- **GDP/cap:** \$35k; \$72k (PPP)
- Capital: Abu Dhabi
- Largest city: Dubai (3.2m)
- **Life expectancy:** 76.8 yrs
- Land area: 83,600 km²
- Founding date: 02 Dec 1971
- Legal system: Mixed system of Islamic and civil laws
- Expat population: 88%
- Literacy rate: 94%
- Oil share of GDP: 25%
- External debt (BN): \$172
- **Exports:** \$324 BN: Japan (14.8%), Iran (11.4%), India (9.6%), Korea (5.7%), China (5.5%), Singapore (5.4%), Thailand (4.5%)
- Imports: \$248 BN: China (15.7%), India (13.4%), USA (8.9%), Germany (5.3%), Japan (4.2%)



UAE is a federation of seven emirates

Local rulers (high autonomy) form the highest level of the government

UAE government

1. Federal Supreme Council



Executive branch



Head of state:

H.H. President *Sheikh Khalifa* bin Zayed Al-Nahyan (ruler of Abu Dhabi)



Head of government:

H.H. Prime Minister and Vice President *Sheikh Mohammed bin Rashid Al-Maktoum* (ruler of Dubai)



 Cabinet: Council of Ministers (appointed by the president)
 – currently with 25 members (5 female; 20 male) 4. Federal National Council

Legislative branch

 Federal National Council (FNC): Unicameral body with 40 representatives (20 appointed by the rulers of the 7 emirates) – currently with 9 female members

Appointed: 8 female;

12 male **Elected (advisory):**

vice-president

1 female; 19 male

• Seat distribution:
Abu Dhabi (8), Dubai (8),
Sharjah (6), RAK (6), Ajman
(4), Umm Al Quwain (4),
Fujairah (4)

5. Federal Judicial Authority

Judicial branch

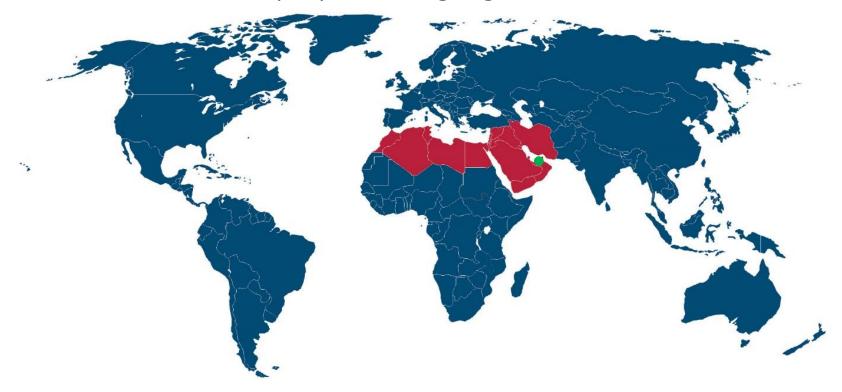
- Highest court: Federal Supreme Court (court president + 4 judges) – Dubai and RAK courts not subject to the federal Supreme Court
- Lower courts: Federal
 Court of Cassation; federal
 level courts of first instance
 and appeals courts; emirate level court systems (outside
 of federal mandate)



Take a step back...

Dubai is in the heart of the MENA region (Middle East & North Africa)

- Women in Saudi Arabia are forbidden from driving
- Syria is in a civil war with *Daesh* committing untold atrocities
 - A proxy war is being waged in Yemen



- Post-Saddam Hussain Iraq is a failed state
- Egypt experienced a military coup that ousted the Muslim Brotherhood from power
 - Turkey is creeping slowly to a dictatorship under Erdogan



The MENA region is in a perennial state of strife

Wars, refugees, coups, terrorist attacks are unfortunate part of life in MENA













Yet somehow in Dubia, UAE...

A global city has emerged, with a diverse and tolerant population













But it was not always that way

In fact, Dubai was an unknown sparsely-populated desert outpost in 1971

Although present-day Dubai has been inhabited since around 1095 AD, the UAE was established only in 1971. By 1975 Dubai's population was still less than 200k and did not surpass 1m until after the current ruler* took power in 2006.





Transformation at first was slow (ca. 1990)

Dubai funnelled petrodollars into infrastructure and good governance

In 1966 oil was discovered in territorial waters of Dubai; ensuing petrodollars were funnelled to finance infrastructure development (e.g. Port Rashid), in contrast to other countries in MENA where oil wealth was hoarded and mismanaged/stolen.

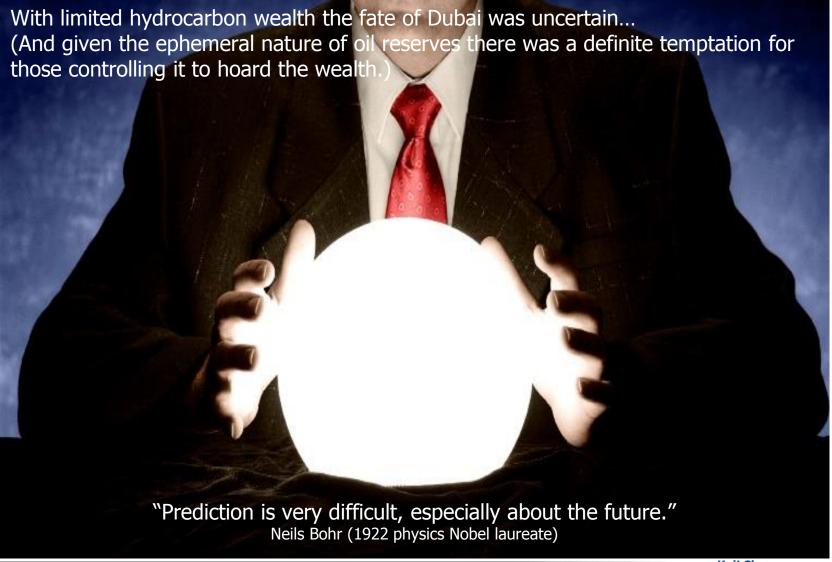




But no one foresaw what Dubai would become

Fast forward a generation or so and...







Today Dubai is a thriving metropolis (ca. 2015)

Within a two generations it transformed from desert outpost to global city







So how did Dubai manage to achieve this?

Hydrocarbon wealth is only an indirect driver of Dubai's success







Bold government policy behind Dubai's ascent

Dubai chose a path of good governance, benchmarking and being brash



UAE federation allows each emirate to pursue its own development path, but within a national framework. Dubai chose to "specialise" as its gateway to the world.

Sheikh Rashid (Sheikh Mohammed's father) began with an ambitious vision to transform Dubai into a global city – so he had to be bold and audacious. Sheikh Mo. continued with the vision and doubled down on the "go big or go home" attitude. Policies are taken to build brand Dubai, rather than simply as a NPV decision

The government structure allows for decisive actions that can be swiftly & efficiently executed. Thus the political hurdles for Dubai's development goals are muted.



Leveraging its strategic location

A natural bridge for Europe and East Asia, and a gateway to MENASA





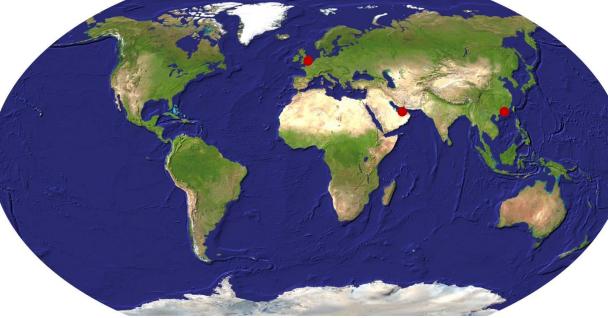








Strategically occupying the middle time zone between London and Hong Kong, Dubai lies at the crossroad of Europe, Asia, and Africa. British influence has made **English** the lingua franca in the country.



One third of the world's population within a 4hour flight of Dubai; twothirds within an 8-hour flight. A natural gateway to Middle East, North Africa and South Asia (MENASA), as well as Africa.

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An open city connected to the world

Trade and connectivity are pillars of Dubai's success

Dubai lies at the crossroads of Europe, Africa and Asia. Its ports connect it to world trade, and its position b/w Europe and Asia makes it a natural aviation hub.





- Jebel Ali Port is the world's 9th busiest container port (TEU)
- DXB is the busiest airport by international passenger traffic and the most connected airport.* (As *Emirates* goes, so goes Dubai.)

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Business-friendly and sociable environment

To attract businesses and talent Dubai hanged an "open for business" sign





- One of the biggest considerations for MNCs on where to do business is taxes.
 Dubai attracted by businesses by creating a low-tax environment – both for businesses and households
- Moreover, it is an open city (hosting over 200 nationalities) offering attractive lifestyle, so employers find it easy to attract/relocate talent to the emirate







The development road not taken

Dubai chose a path that few would have foreseen; but it also got basics right

Some of the great development success stories have seen countries ignore the advice of "experts" who pushed countries to pursue growth in areas where they had a comparative advantage. (Korea was advised to specialise in wigs and ginseng, two sectors for which they had a comparative advantage in the 1950s – at the time its GDP/cap was just \$100.)





- Dubai's natural advantages seemed limited. But with no history in traditional sectors, it leapfrogged the traditional steps of development
- Dubai's motto is to "go big or go home." Most sane advisers would have advised against most (if not all) of Dubai's hallmarks: Aviation hub/ Emirates; tallest building; largest mall; indoor ski resort; man-made islands



Where other saw challenges...

Dubai – the unlikeliest of places – saw opportunity



The MENA region is abundant in hydrocarbon wealth. Yet, the political instability of the region left it mostly ignored by investors. Leaders from the region did not help either by sending their money abroad with little regard to domestic development (i.e. no "skin in the game"). Religion and wealth extraction divided countries and led to corruption and/or iron fisted rule.

- No water? Desalination plant that is integrated with aluminum smelting plant (use waste energy/heat)
- A "barren" desert? Offer desert safaris
- Hot climate? Create an indoor ski resort and build an Olympic-sized ice hockey rink in a mall
- Unwelcoming region? Turn city into a global tourist destination



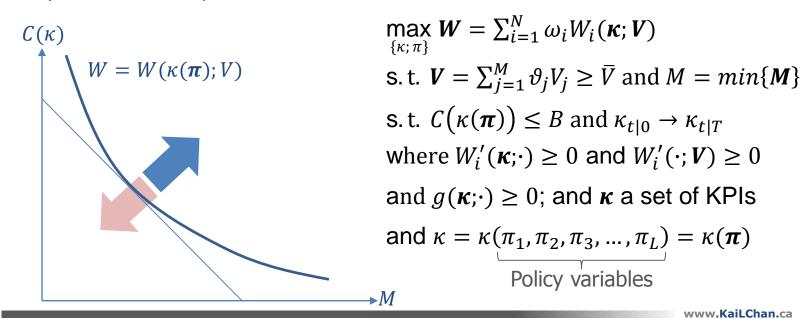


Government policy as a maxmisation problem

Maximise social welfare choosing policy variables that achieve KPIs

The UAE government places great priority (and its legitimacy of rule) on delivering a high quality of life to its citizens. The UAE government accomplishes this through three primary means:

- 1. Placing key performance indicators on government bodies to ensure transparent policymaking that works to improve the country
- Attracting expats to the country to help make the country prosperous
- Creating laws favourable to locals and guaranteed employment through the public and semi-public sectors



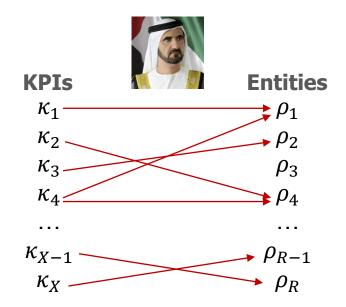


A culture of benchmarking

Everything is benchmarked and people are rewarded for meeting KPIs

The PMO assigns KPIs (indicators, indices, etc.) to every Ministry/Minister based on 3rd-party metrics – incentives also in place for private sector. Quantifiable targets give entities clarity on how to set policies and incentivizes parties to enact legislation aligned with Dubai's (and UAE's) development goals. In addition to normal set of KPIs, PMO also recently assigned "Project #1": All ministries and entities to achieve #1 in at a set of international KPIs







Benchmarking against leading economies

Borrow and localise successful policies that have worked elsewhere





Singapore transformed itself from a poor former British colony into a dynamic global powerhouse economy in just 2 generations. It is perennially ranked atop various benchmarks (e.g. WEF-GCR and WB-DBR).

Hong Kong is arguably the freest and most dynamic economy in the world. It is also the gateway to the Chinese market. Both Singapore and Hong Kong are world cities, with English the language of commerce.





Vision 2021: A set of "national agenda" indicators

UAE has laid out a clear strategic roadmap (w/ milestones) for development



















How to measure success?...

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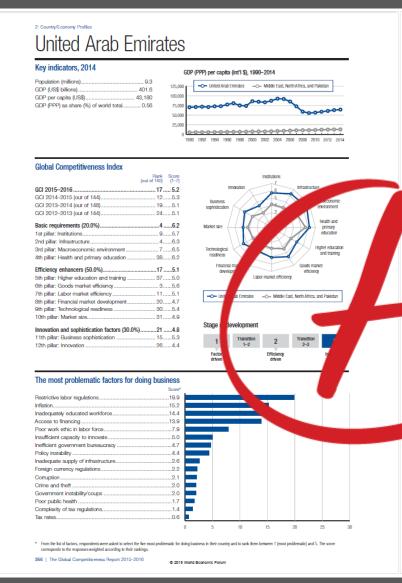
Sources: UAE Vision 2021.





International reports are like report cards

An index score is like a GPA; its components show where to improve



United Arab Emirates

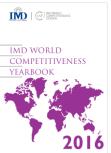
	INDICATOR VALUE RANK/140		INDICATOR	VALUE R	ANN/140
	1st pillar: Institutions		6th pillar: Goods market efficiency (cont'd.)		
	Property rights		No. procedures to start a business*		57
	Intellectual property protection5.5		No. days to start a business*		
	Diversion of public funds 6.0 8		Agricultural policy costs		
	Public trust in politicians		Prevalence of non-tariff barriers		
	irregular payments and bribes		Trade tariffs, % duty*		
	Judicial Independence		Prevalence of foreign ownership		
	Favoritism in decisions of government officials5.3		Business impact of rules on FDI		
	Wastefulness of government spending 6.0 2 Burden of government regulation 5.2 5		Burden of customs procedures		
			Imports as a percentage of GDP*		
	Efficiency of legal framework in settling disputes 5.2		Degree of customer orientation		
1.11	Efficiency of legal framework in challenging regs4.7	6.16	Buyer sophistication	4.5	12
1.13			7th pillar: Labor market efficiency		
	Bush ad violence 6.5 1	7.01	Cooperation in labor-employer relations	5.5	14
	Organized criss 6.8 2		Flexibility of wage determination		
	Reliability of police 6.2	7.02	Hiring and firing practices	5.1	8
	Ethical behavior of firms		Redundancy costs, weeks of salary"		
	Strength of auditing and reb. ds5.526		Effect of taxation on incentives to work		
	Efficacy of corporate boards		Pay and productivity		
	Protection of minority shareholders5.315		Reliance on professional management		
	Strength of investor protection, 0–10 6.142		Country capacity to retain talent		
	and distribution between the same of the s	7.09	Country capacity to attract talent	5.9	3
	2nd pillar: Infrastructure		Women in labor force, ratio to men*		
2.01	Quality of overall infrastructure2				
	Quality of roads		8th pillar: Financial market development		
.03	Quality of railroad infrastructuren/a	8.01	Availability of financial services	5.5	22
	Quality of port infrastructure3		Affordability of financial services		
	Quality of air transport infrastructure2		Financing through local equity market		
	Available airline seat km/week, millions*5		Ease of access to loans		
b 7	Quality of electricity supply10	8.05	Venture capital availability	4.4	7
	Mobile telephone subscriptions/100 pop."5	8.06	Soundness of banks	5.9	21
-	Fixed-telephone lines/100 pop."48	8.07	Regulation of securities exchanges	5.5	16
		8.08	Legal rights Index, 0-12 (best)*	2	106
	pillar: Macroeconomic environment	_			
	ernment budget balance, % GDP"4		9th pillar: Technological readiness		
	national savings, % GDP"13		Availability of latest technologies		
	, annual % change*1	9.02	Firm-level technology absorption	6.0	7
	government debt, % GDP*8	9.03	FDI and technology transfer	5.8	3
v	edit rating, 0–100 (best)*25		Individuals using Internet, %"		
-			Fixed-broadband internet subscriptions/100 po		
١	Ith and primary edu		Int'l Internet bandwidth, kb/s per user"		
.01	0,000 pop.*M.Fn/a	9.07	Mobile-broadband subscriptions/100 pop."	114.0	9
.02					
	Tube1.81		10th pillar: Market size		
	Business impact of transfer description (6.2		Domestic market size Index, 1-7 (best)*		
	HN prevalence, <0.21		Foreign market size Index, 1–7 (best)*		
	Business Im 6.331	10.03	GDP (PPP\$ billions)*	599.8	32
	Infant, 271,000 live births"7.0	10.04	Exports as a percentage of GDP*	94.6	11
.OB		_	440 30 0 1 110 0		
	nmary education5.413		11th pillar: Business sophistication		_
	ary education enrollment, net %"		Local supplier quantity		7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
	5th pillar: Higher education and training	11.02	Local supplier quality	5.3	24
01					
	Secondary education enrollment, gross %"92.3		Nature of competitive advantage		
	Tertiary education enrollment, gross %"		Value chain breadth Control of International distribution		
	Quality of the education system				
	Quality of math and science education		Production process sophistication		
	Quality of management schools		Extent of marketing		
	Internet access in schools	11.09	Willingness to delegate authority	5.0	13
	Availability of specialized training services		12th pillar: Innovation		
	5.112	12.01	Capacity for innovation	4.7	20
	6th pillar: Goods market efficiency	12.01	Quality of scientific research institutions	4.7	26
01	Intensity of local competition		Company spending on R&D		
	Extent of market dominance 5.2 9		University-industry collaboration in R&D		
	Effectiveness of anti-monopoly policy		Gov't procurement of advanced tech product		
	Effect of taxation on incentives to invest		Availability of scientists and engineers		
	Total tax rate, % profits"		PCT patents, applications/million pop."		
	rome car case, so profits	12.07	гот расста, аррисанскативног рор		40
		or feather date	ails and explanation, please refer to the section "How	- P1	



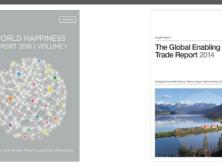
UAE competitiveness & international rankings

The outside world's perspective of the UAE - "Brand Dubai/UAE"















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16 / 132 13 / 86











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22 / 93

23 / 143

23 / 167

26 / 62











41 / 185





Reports rely on national sources for data

But sometimes data chain is porous and/or ad-hoc reporting is done





















THE WORLD BANK

















THE WORLD BANK



DUBAI STATISTICS CENTER



















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WEF Global Competitiveness Report (GCR)

The GCR is the commonly accepted flagship report on competitiveness



WORLD ECONOMIC FORUM COMMITTED TO IMPROVING THE STATE OF THE WORLD

The Global Competitiveness Report

2015-2016

Insight Report

Klaus Schwab, World Economic Forum



Competitiveness pertains to the ability & performance of a firm, sub-sector or country to sell and supply goods & services in a given market, in relation to the ability & performance of other firms, subsectors or countries in the same mkt.

Institutions

Infrastructure

Macroeconomic environment

Health & primary education

Higher education & training

Goods market efficiency

Labour market efficiency

Financial market development

Technological readiness

Market size

Business sophistication

Innovation



















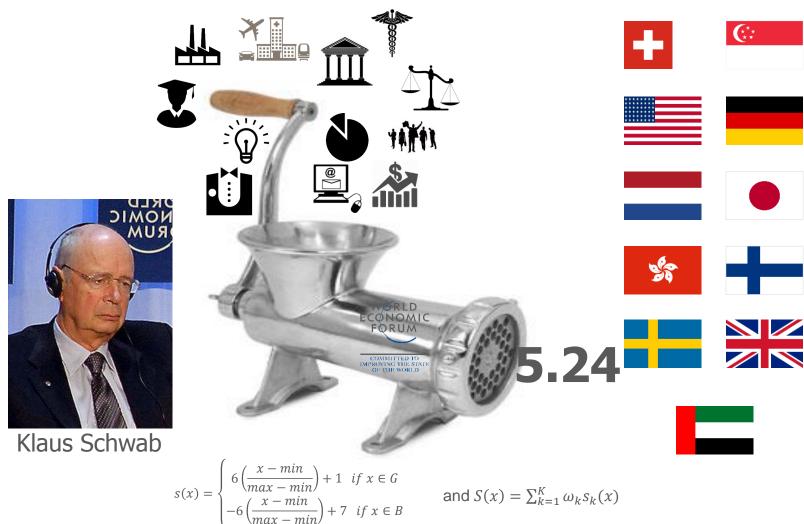






WEF Global Competitiveness Report (GCR)

Improve competitiveness by improving in its underlying indicators



The UAE has set itself a goal to be top-10 globally by 2021 (currently 17)

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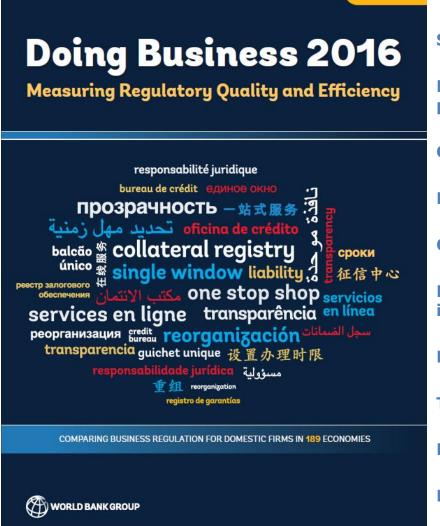


A World Bank Group Flagship Report

World Bank Doing Business Report (DBR)

Doing everything possible to attract investors to do business in Dubai

13TH EDITION



Starting a business

Dealing with construction permits

Getting electricity

Registering property

Getting credit

Protecting minority investors

Paying taxes

Trading across borders

Enforcing contracts

Resolving insolvency





















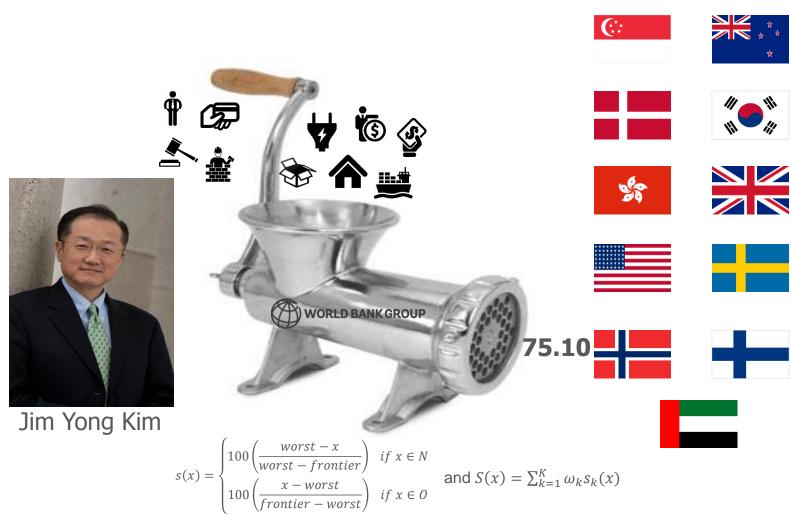






World Bank Doing Business Report (DBR)

A recipe list of reforms to do to make "doing business easy"



The UAE has set itself a goal to be number 1 globally (currently 31)

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Reports identify areas of strength and weakness

Policies are suggested to improve on weak points and maintain advantages



- Seek missing data
 - Correct erroneous data
 - Seek modification of report
 - Indirect policies
 - Direct policies
 - Massage data
 - Manage survey process

Identify weak areas of economy through international benchmarks

Identify local stakeholders to assume responsibility

Engage experts to help design policies to improve in areas identified

R&D and innovation infrastructure weak (limited data and low intensities)

Ministry of Economy to take ownership

Work with ECC/PMO to devise policies (e.g. dedicate budget for R&D; promote STEM in schools; etc.)



In era of low oil price priority now to become KBE

Global Innovation Index provides framework for policies using its indicators



The Global Innovation Index 2015

Effective Innovation Policies for Development

Target set for reducing UAE reliance on hydrocarbons

Grow knowledge sectors of economy by targeting GII indicators Engage experts
to help design
policies to
improve in
areas identified











Leveraging Dubai Expo 2020 to steer growth

Expo to bring direct economic benefits and to boost Dubai's KBE appeal



Expo budget of €5.2 BN capex and €1.3 BN opex; opex offset by oprev (€1.3 BN)





Creation of 250-280k jobs (every direct Expo job → ~45-50 additional jobs created)





Economic impact:

• Direct: 15.7 BN

• Indirect: 6.0 BN

Induced: 4.2 BN

■ Total: 25.9 BN



Economic diversification guided by benchmarking

Targeted sectors of economy can be mapped to international reports







Long-term growth and KBE requires HC

Human capital is the key that will unlock the knowledge economy



Kai L. Chan, PhD INTELLIGENCE CAPITAL INDEX

National Agenda has goal to transeconomy, but much work required to

form Dubai (UAE) into a knowledge improve its "intelligence capital".

INDEX	INDICATOR	DEFINITION	SOURCE	2012 RESULTS	2021 TARGETS	KEY SPONSOR
1	Non-Oil Real GDP Growth	An indicator that measures the real annual economic growth of all sectors except oil. It is one of the most important macroeconomic indicators and reflects the overall state of the national economy over conscutive years. GDP includes the total value of annual production of goods and services.	Cometitiveness and	4.84% (Preliminary-2014)	5%	Ministry of Economy
2	Gross National Income (GNI) per Capita	An indicator that measures the average income per person in a country. GNI includes the value of all the services and products that have been produced in the country (i.e. GDP) in a given year, in addition to the country's net income from abroad (such as dividends and interest).	World Bank	Rank 3 (2014)	Among the top 10 countries	Ministry of Economy
3	Net Inflow of Foreign Direct Investment as % of GDP	An indicator that measures foreign direct investment (FDI) as a percentage of GDP, FDI is defined as the amount of net inflow of investment required to schieve a stating management interest (10 percent or more of voting stock) in an enterprise operating in an economy other than that of the investor. It is the sum of equity capital, as shown in the balance of payments.	Conference on Trade and Development	2.66% (2014)	5%	Ministry of Economy
4	Global Competitiveness Index	A composite indicator that measures the competitiveness of countries based on (12) perspectives institutions, infrastructure, mercreaconnic reviormente, health and primary education, higher education and training, goods market efficiency, labor market efficiency, labor market efficiency, facial market development, technological readness, market size, business sophistication, and innovation.	Forum- Global Competitiveness	Rank 17 (2015-2016 Report)	Among the top 10 countries	Federal Cometitivens and Statistics Author
5	Share of UAE Nationals in the Workforce	An indicator that measures the share of employed UAE nationals out of the total workforce (expatriates and nationals), across all sectors (NKPI specific to UAE)	The National HR Development & Employment Authority (Tanmia)	5.0% (2014)	8%	The National HR Development & Employment Author (Tanmia)
6	Ease of Doing Business Index	A composite indicator that measures government procedures around business activity. It is based on (11) sub-indicators starting a business, dealing with construction permits agotting electricity, registering property, eighting creat, protecting minority investors, paying taxes, trading across brothers, enforcing contracts, resolving insolvency, and labor market regulations	World Bank	Rank 31 (2016 Report)	Rank 1	Federal Cometitiven and Statistics Author
7	Emiratisation Rate in the Private Sector	An indicator that measures the share of UAE nationals employed in the private sector, as a proportion of the total private sector workforce (expatriates and nationals) (NKPI specific to UAE)	Ministry of Labor	1,0% (2014)	5%	Ministry of Labor
8	SME Contribution to Non-Oil GDP	An indicator that measures the share of GDP produced by small and medium-sized enterprises	Federal Cometitiveness and Statistics Authority	60% (2011)	70%	Ministry of Economy
9	Global Entrepreneurship and Development Index (GEDI)	An indicator that measures 3 sub-indices: Enterpreneurial Attlaudes (the general deposition of a country's population thoused Enterpreneurial Activity (the Statis activity) in the medium or high relativistic plant sector in the medium or high relativistic plantines appoint line in a somewhat complete environment, and application plantines appoint line in a somewhat complete environment, and enterpreneur in introduce new products and services, develop new productors processes, persented foreign resource is substituted by new production processes, persented foreign resource substituted by new production processes, persented foreign resource substituted by new production processes, persented foreign resource substituted by new production processes, persented foreign products processes, and activities and production processes, and an activities of the foreign or informal venture capital, or both years and production processes and production processes are producted and production processes.	Entrepreneurship and	Rank 19 (2016 Report)	Among the top 10 countries	Ministry of Economy
10	Global Innovation Index	A composite index that measures the performance of innovation in countries. Innovation inputs are measured based on institutions, human capital and research, infrastructure, market ophistication and business sophistication, while innovation output is measured by knowledge and technology outputs, and creative outputs.	INSEAD	Rank 47 (2015 Report)	Among the top 10 countries	Ministry of Economy
11	Share of "Knowledge Workers" in the Labor Force	An indicator that measures the share of highly skilled workers, workers in high-level professions, and workers classified under the International Standard Classification of Occupations (ISO) - 80 of the total workforce. These jobs include: legislator, managers, business and humanitation fields (i.e. the top levels of the classification of occupations).	Ministry of Labor	22.76% (2014)	40%	Ministry of Labor
12	Research and Development Expenditure as % of GDP	An indicator that measures the total domestic expenditure on research and development (in the public, academic, and private sector), as a percentage of GDP	Federal Cometitiveness and Statistics Authority	0.5% (2012)	1.5%	Ministry of Higher Education and Scie Research

www.KaiLChan.ca Sources: Kai L. Chan (2016)



Thank you! Questions & answers

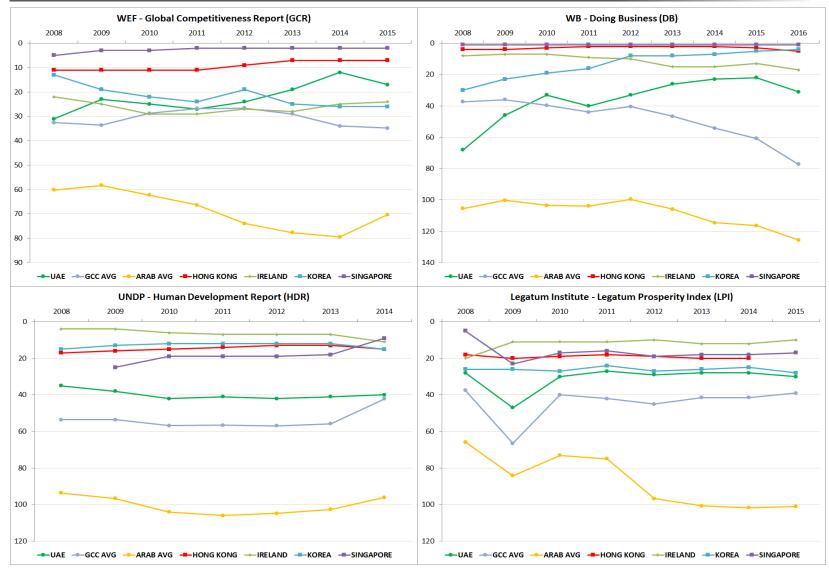
감사합니다 Natick Poanke Ευχαριστίες Dalu 응 Thank You Köszönöm 3 5 Спасибо Dank Gracias らいがとう は対 Merci ありがとう



APPENDIX: Historical performance of UAE

WEF-GCR, WB-DBR, UNDP-HDR, LI-LPI







APPENDIX: Overview of MENA region

Dependency on oil and youth unemployment biggest challenges



COUNTRY	POP. (MM)	GDP (\$BN)	GDP / CAPITA	GVT TYPE	GROSS CRUDE REV. (\$BN)	OIL SHARE EXPORTS (%)	MAJOR ENDEMIC RELIGION(S)	ARMED CONF.	U3 RATE (%)	YOUTH U3 RATE (%)	LIT. RATE (%)
Algeria	39.5	227.8	\$5,767	Republic	69.8	96.3	Sunni		9.8	24.0	72.6
Bahrain	1.3	34.0	\$25,860	Monarchy	2.4	72.4	Shia, Sunni	✓	7.4	27.9	94.6
Egypt	87.9	284.9	\$3,241	Republic	27.4	36.6	Sunni, Coptic	✓	12.7	38.9	73.9
Iran	78.0	402.7	\$5,163	Republic	126.5	82.2	Shia		13.26	29.7	85.0
Iraq	36.0	222.9	\$6,191	Republic	121.2	99.1	Shia, Sunni, Christian	✓	16.0	34.1	78.5
Israel	8.3	305.0	\$36,763	Republic	0.2	4.9	Judaism, Islam	✓	6.3	10.7	97.1
Jordan	6.7	36.6	\$5,467	Monarchy	0.0	1.1	Sunni, Christian		12.6	33.7	95.9
Kuwait	4.0	179.3	\$44,340	Monarchy	111.4	96.9	Sunni, Shia,		3.1	19.6	93.9
Lebanon	5.0	47.5	\$9,565	Republic	0.0	1.8	Shia, Sunni, Christian	✓	6.5	20.6	89.6
Libya	6.2	49.3	\$7,901	Republic	39.0	99.4	Sunni	✓	19.6	51.2	89.5
Morocco	33.3	112.6	\$3,385	Monarchy	0.2	4.4	Sunni		9.2	18.5	67.1
Oman	4.1	80.5	\$19,644	Absolute	37.5	76.7	Ibadi		7.9	20.5	86.9
Qatar	2.2	212.0	\$98,362	Absolute	81.9	94.6	Sunni, Shia		0.5	1.5	96.3
Saudi Arabia	30.8	777.9	\$25,280	Absolute	459.7	84.5	Sunni, Shia		5.7	28.7	87.2
Syria	18.0	77.5	\$4,315	Republic	7.2	7.8	Sunni, Shia, Christian	✓	10.8	29.8	84.1
Tunisia	11.0	49.1	\$4,473	Republic	2.6	13.9	Sunni	✓	13.3	31.2	79.1
UAE	9.1	336.1	\$44,089	Absolute	128.0	76.5	Sunni, Shia		3.8	9.9	90.0
Yemen	26.0	45.5	\$1,751	Republic	5.3	89.0	Sunni, Shia	✓	17.4	29.8	65.3
MENA	407.6	3,562	\$8,738	N/A	1,220.3	68.4			11.7	29.7	78.9
China	1,368.0	10,355.4	\$7,575	Socialist	176.7	0.7			4.6	10.1	95.1

Population, GDP, GDP/capita for 2015. Crude revenues (gross) and unemployment rates for 2013. Oil share of exports for 2012. Literacy rate for most recent available year.



APPENDIX: Overview of the GCC

Surpluses from hydrocarbon wealth have been used to build buffers





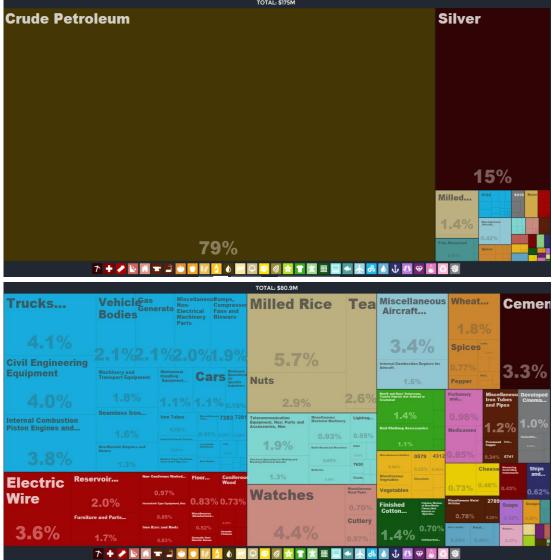
COUNTRY	POPULATION	GDP (\$BN)	GDP / CAPITA	FOREIGN POP'N (%)	OIL SHARE OF GDP (%)	PROD. (K BBL / DAY)	OIL RES. (BN BBLI)	YRS RES.	CURRENCY REGIME	SWF ASSETS (\$BN)
Bahrain	1,316,500	34	\$25,860	54.0	19	61.2	0.1	5.6	Pegged USD	11
Kuwait	3,583,000	179	\$50,051	62.0	50	2,811.8	104.0	101.3	Basket	548
Oman	4,099,904	81	\$19,644	44.2	50	945.1	5.5	15.9	Pegged USD	19
Qatar	2,235,431	212	\$94,842	87.0	60	2,067.3	25.2	33.4	Pegged USD	256
Saudi Arabia	30,770,375	778	\$25,280	31.1	45	11,600.4	268.4	63.3	Pegged USD	763
UAE	9,445,600	416	\$44,089	88.5	33	3,229.6	97.8	82.9	Pegged USD	1,079
GCC Total	52,333,253	1,700	\$32,489	47.8	44.2	20,715.4	501.0	66.2	N/A	2,676
Eurozone	334,570,678	13,447	\$40,192							
USA	320,201,000	17,416	\$54,392							



APPENDIX: UAE trade composition (1971)

Diversified trade partners but concentration risk in exported products



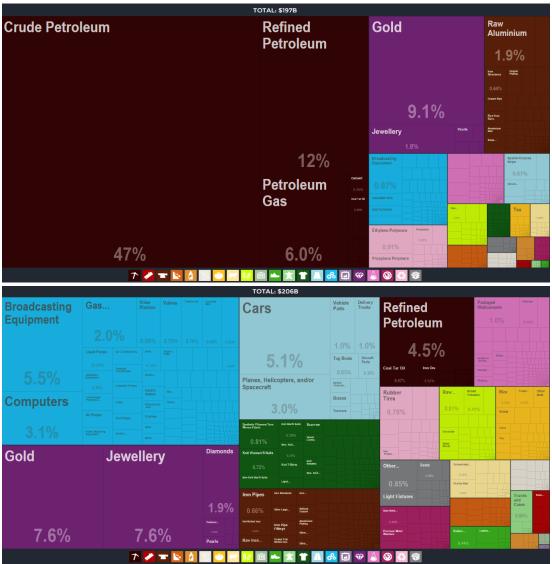




APPENDIX: UAE trade composition (2013)

Hydrocarbons still dominate trade







APPENDIX: DXB growth

Riding globalisation to achieve high levels of sustained growth



