

## The UAE's competitiveness strategy The use of international benchmarks to guide policy

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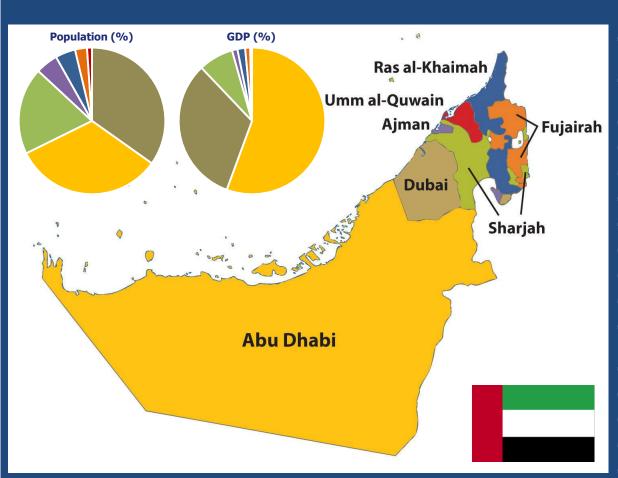




#### The UAE is a federation of 7 emirates

Abu Dhabi (capital) and Dubai (biz hub) are the preeminent emirates/cities





- Name: United Arab Emirates (UAE) – ISO3: "ARE"
- **Gvt type:** Federation of 7 emirates; absolute rule
- 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 km<sup>2</sup>
- Founding date: 02/12/1971
- Legal system: Mixed system of Islamic and civil laws
- Expat population: 88%
- Literacy rate: 94%
- Oil share of GDP: 25%
- External debt (BN): \$172
- Lang: Arabic, English
- **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%)



## Local rulers form the highest level of government

Executive branch led by sheikhs from Abu Dhabi (president) and Dubai (PM)



#### UAE government

1. Federal Supreme Council



4. Federal National 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) 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

vice-president

**Elected (advisory):** 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)



## It is the Arab World's leading nation

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







## But take a step back...

ØRUM The UAE is in the heart of the MENA region (Middle East & North Africa)





- Women in Saudi Arabia cannot drive
  - Syria is in a civil war
  - Proxy war in Yemen





- Iraq is a failed state
- Egypt experienced a military coup
- Turkey is creeping towards a dictatorship





### Yet somehow over there...

A nation has emerged with a diverse and tolerant population













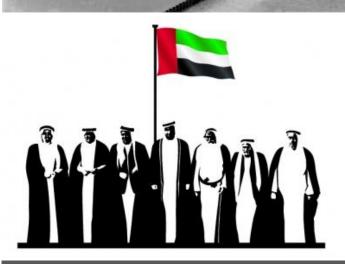
### But it was not always this way

In fact, the UAE was only established in 1971





Although present-day UAE has been inhabited since around 1095 AD, the UAE was established only in 1971, led by the leadership of Sheikh Zayed bin Sultan Al Nahyan. By 1975 its population was still less than 500k and did not surpass 3m until after the current ruler of Dubai took power in 2006.





#### Transformation was meteoric

The UAE used its oil surplus to develop large-scale infrastructure projects



With (immense) hydrocarbon wealth limited to Abu Dhabi, the fate of the union was uncertain. Yet, what Dubai lacked in oil riches it made up in ambition. It became the gateway city for MENA and welcomed the world with open arms becoming the Arab World's (first and only) global city.

"Prediction is very difficult, especially about the future." Neils Bohr (1922 physics Nobel laureate)



## So how did the UAE manage to achieve this?

Hydrocarbon wealth, though important, is only part of the story



Although abundant in hydrocarbons, its reserves are concentrated in the emirate of Abu Dhabi (where it accounts for half of economic output). Dubai (and the other emirates) was able to develop with only limited natural resources. Instead, Dubai leveraged its geography and politics to serves as the entrepôt city for the MENA's hydrocarbon wealth (even though it has little of its own). Other countries (especially within MENA) suffered the "resource curse" or succumbed to the "Dutch disease". A priori, how to avoid these fates was neither obvious nor easy. It required intelligent policymaking and a respect for good governance.



## The UAE chose a unique development path

It borrowed a page from East Asia and downplayed its hydrocarbon roots



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. (E.g. Korea was advised by IMF/WB 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 \$100.)





- Abu Dhabi capitalised on its oil wealth, but Dubai had to be bold to be relevant
- 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; etc.
- Dubai chose the HKG/Singapore model
- Limited legacy infrastructure allowed country to leapfrog some traditional steps of development



## 1. Benchmarking against leading economies

Borrow & localise policies that worked elsewhere (esp. Singapore & HKG)





Singapore transformed itself from a poor former British colony into a dynamic global economic powerhouse in just two generations. Like Dubai/UAE, it has large expatriate and Muslim populations, and is a major oil player even w/o it.

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, w/ English an official and working language (a competitive advantage)\*





## GROWTH 2. Leveraging its strategic location

ORUM At the crossroad between old & new, and mature & emerging markets















Strategically occupying the middle time zone between London and Hong Kong, UAE 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 UAE; twothirds within an 8-hour flight. A natural gateway to Middle East, North Africa and South Asia (MENASA), as well as Africa.



## 3. Connecting to the world

Geography alone is not sufficient without an openness to the world



The UAE lies at the crossroads of Europe, Africa and Asia. Its sea 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 9<sup>th</sup> busiest container port (TEU); Sharjah hosts strategic bunker services
- DXB is the busiest airport by inter-national passenger traffic and the most connected airport;\* AUH has plans to triple capacity by 2030



## 4. Channelling petro-\$ into long-term prosperity

Convert petro-dollars into real assets



"The Stone Age did not end for lack of stone, and the oil age will end long before the world runs out of oil."

Sheikh Ahmed Zaki Yamani

- ADIA
- ADNOC
- Arabtec
- DP World
- du
- EMAL
- Etisalat
- First Gulf Bank
- Investment Corp. of Dubai
  - Emirates Airline
  - Jumeirah Group
  - Emaar
  - DWTC
  - DUBAL
  - Emirates NBD
  - ENOC
- Masdar City
- Mubadala
  - ATIC
- RAK Ceramics



















## 5. Business-friendly and sociable environment

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





- Low-tax environment (for businesses and households)
- Fixed exchange rate to USD provides macro stability and confidence to investors (esp. traders)
- Open society (200+ nationalities) with attractive lifestyle
- Widespread use of English and efficient political governance







## Bold government policy behind the UAE's ascent

Ambition to make the UAE amongst the world's best nations





The UAE federation allows each emirate to pursue its own development path, but within a national framework – namely the National Agenda (Vision 2021)

The emirates of Abu Dhabi and Dubai ("Abu Dubai") chose complementary development paths. Abu Dhabi is the resource-rich political capital; Dubai is the brash open international city. Their symbiotic relationship allows the country to leverage its wealth to join the global market on terms favourable to them.

The government structure allows for decisive actions that can be swiftly & efficiently executed. Thus political hurdles are not an issue in executing on growth plans.\*



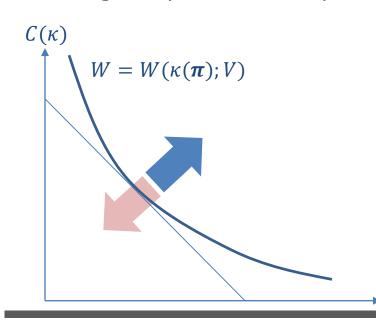
## Government policy as a maxmisation problem

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 conditions favourable to its citizens and offering them employment through the public and semi-public sectors



$$\max_{\{\kappa;\,\pi\}} \boldsymbol{W} = \sum_{i=1}^{N} \omega_i W_i(\boldsymbol{\kappa}; \boldsymbol{V})$$
  
s. t.  $\boldsymbol{V} = \sum_{j=1}^{M} \vartheta_j V_j \geq \bar{V}$  and  $M = min\{\boldsymbol{M}\}$ 

s. t. 
$$V = \sum_{j=1}^{M} \vartheta_j V_j \ge V$$
 and  $M = min\{M\}$ 

s. t. 
$$C(\kappa(\pi)) \leq B$$
 and  $\kappa_{t|0} \to \kappa_{t|T}$   
where  $W_i'(\kappa;\cdot) \geq 0$  and  $W_i'(\cdot; V) \geq 0$ 

and 
$$g(\kappa; \cdot) \ge 0$$
; and  $\kappa$  a set of KPIs

and 
$$\kappa = \kappa(\pi_1, \pi_2, \pi_3, ..., \pi_L) = \kappa(\pi)$$
Policy variables



## Competitiveness department to support policies

Competitiveness (benchmarking & KPIs) embedded in government



The PMO sets policy by mandating government departments to enact policies that will be reflected in international reports (e.g. WEF-GCR)



UNITED ARAB EMIRATES PRIME MINISTER OFFICE



**Emirates** Competitiveness Council

to drive/manage **KPI-driven** policies



















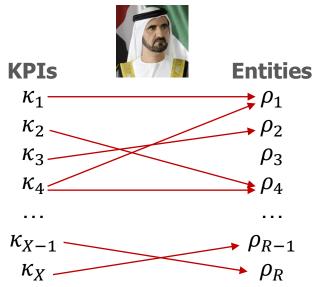
## KPIs assigned to all government entities

They incentive entities to enact policies aligned with development goals



The PMO assigns KPIs (indicators, indices, etc.) to every Ministry/Minister based on 3<sup>rd</sup>-party metrics – encouragement also in place for the private sector. Quantifiable targets give entities clarity on how to set policies and incentivise parties to enact legislation aligned with the UAE's strategic development goals.



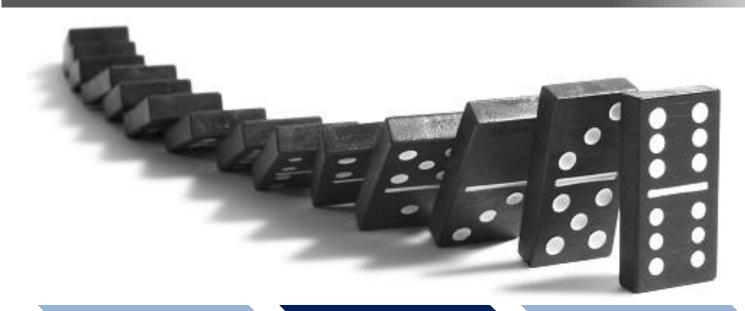




#### Policies are chosen to achieve KPIs

Policies that target KPIs will improve the competitiveness of country





#### **Policies**

• How to choose policies amongst an infinite set of possibilities?

#### 3<sup>rd</sup>-party KPIs

 Choose policies so as to fulfill 3<sup>rd</sup>-party KPIs based on international reports (e.g. WB-DBR, WEF-GCR, UNDP-HDR, etc.)

## Long-term prosperity

 International reports have inputs that are related to competitiveness; performing well on these indicators means to perform well on competitiveness



## Vision 2021: "National Agenda" indicators

The UAE has laid out a clear strategic roadmap for development





















But how to measure success of these goals?...

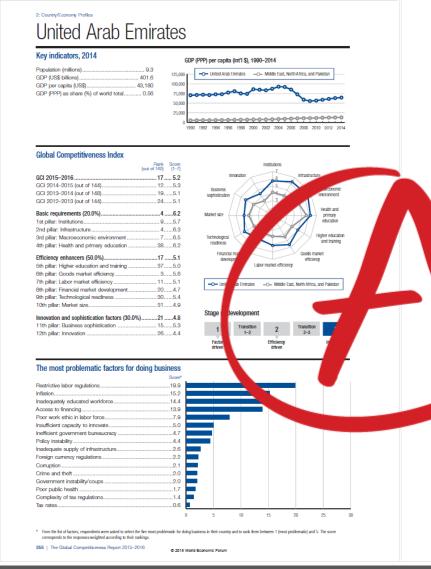
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## Use international reports to gauge success

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





#### **United Arab Emirates** The Global Competitiveness Index in detail 1st pillar: Institutions 6th pillar: Goods market efficiency (cont'd.) 1.02 Intellectual property protection 5.5... 6.07 No. days to start a business\*. 1.03 Diversion of public funds..... 6.08 Agricultural policy costs... 6.09 Prevalence of non-tariff barriers 1.05 Irregular payments and bribes 6.10 Trade tariffs % duty\* 1.06 Judicial Independence... 6.11 Prevalence of foreign ownership 1.07 Favoritism in decisions of government officials. 6.12 Business Impact of rules on FDI 1.08 Wastefulness of government spending... 6.13 Burden of customs procedures. 1.09 Burden of government regulation .... 6.14 Imports as a percentage of GDF 1.10 Efficiency of legal framework in settling disputes .... 5.2. 6.15 Degree of customer orientation 1.11 Efficiency of legal framework in challenging regs. ... 4.7 ... 6.16 Buyer conhistication 45 12 government policymaking...... 6.4 7th pillar: Labor market efficiency ..6.5.....1 7.01 Cooperation in labor-employer relations 1.15 Organized 7.02 Flexibility of wage determination... 7.03 Hiring and firing practices... 1.17 Ethical behavior of fir 7.04 Redundancy costs, weeks of salary\* 7.05 Effect of taxation on incentives to work 1.19 Efficacy of corporate boards ...5.5.... 7.06 Pay and productMtv.... 7.07 Reliance on professional management. 1.20 Protection of minority sharehold 7.09 Country capacity to attract talent. 2nd pillar: Infrastructure 7.10 Women in labor force, ratio to men\*. 2.01 Quality of overall infrastructure 2.02 Quality of roads 8th pillar: Financial market development 2.03 Quality of railroad infrastructure. 8.01 Availability of financial services ... 5.4..... 2.04 Quality of port infrastructure.. 8.02 Affordability of financial services .05 Quality of air transport infrastructure 8.03 Financing through local equity market Quality of electricity supply.... 8.05. Venture capital availability 4.4 Mobile telephone subscriptions/100 pop. 8.06 Soundness of banks ... 8.08 Legal rights Index, 0-12 (best)\*. ..........106 pillar: Macroeconomic environment nent budget balance, % GDP\* 9th pillar: Technological readines 9.01 Availability of latest technologies . national savings, % GDP\*. 9.02 Firm-level technology absorption. annual % change" .... 9.03 FDI and technology transfer 5.8 edit rating, 0-100 (best)\*. 9.04 Individuals using internet, %\* 90.4.... 9.06 Int'l Internet bandwidth, kb/s per user\* th and primary ed 0.000 pop. M.E. 9.07 Mobile-broadband subscriptions/100 pop.\* ...... 114.0 ..... N/Appl.....n/a 10th pillar: Market size 1.8 4.04 Business impact of 10.01 Domestic market size Index. 1-7 (best)\* 10.02 Foreign market size Index, 1-7 (best)\*. 4.06 Ruelnage In 63 10 03 CDD (DDD\$ Nillone)\* 500 R 1,000 live births' .7.0......44 10.04 Exports as a percentage of GDP ...94.6.....11 mary education. ...5.4.....13 11th pillar: Business sophistication y education enrollment, net %\* ...91.2.......94 11.01 Local supplier quantity ..... 5th pillar: Higher education and training 11.03 State of cluster development. 11.04 Nature of competitive advantage. Secondary education enrollment, gross %". 5.02 Tertiary education enrollment, gross %". 16.8 11.05 Value chain breadth... 5.03 Quality of the education system... 5.3 11.06 Control of International distribution 5.04 Quality of math and science education 11.07 Production process sophistication 5.05 Quality of management schools... 5.3 11.08 Extent of marketing 5.05 Internet access in schools.... ...6.0............9 11.09 Willingness to delegate authority ..5.0......13 5.08 Extent of staff training 5.1 12 12th pillar: Innovation 12.01 Capacity for innovation. 6.01 Intensity of local competition. 6.0 12.03 Company spending on R&D...... 4.3 22 6.02 Extent of market dominance. 5.2..... 12.04 University-industry collaboration in R&D. 6.03 Effectiveness of anti-monopoly policy 12.05 Gov't procurement of advanced tech products ...... 5.4. 6.04 Effect of taxation on incentives to invest. ..6.3.... 12.06 Availability of scientists and engineers... 6.05 Total tax rate, % profits"... 12.07 PCT patents, applications/million pop. 14.8

Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (\*). For further details and explanation, please refer to the section "How to Read

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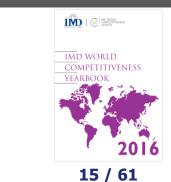


## GROWTH The UAE in international rankings

Build "Brand UAE" with 3<sup>rd</sup>-party recognition; prioritise National Agenda goals











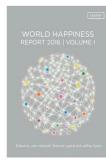


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## WEF Global Competitiveness Report (GCR)

The GCR is the commonly accepted flagship report on competitiveness



WORLD ECONOMIC FORUM COMMITTED TO IMPROVING THE STATE OF THE WORLD

Insight Report

#### The Global Competitiveness Report

2015-2016

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** 























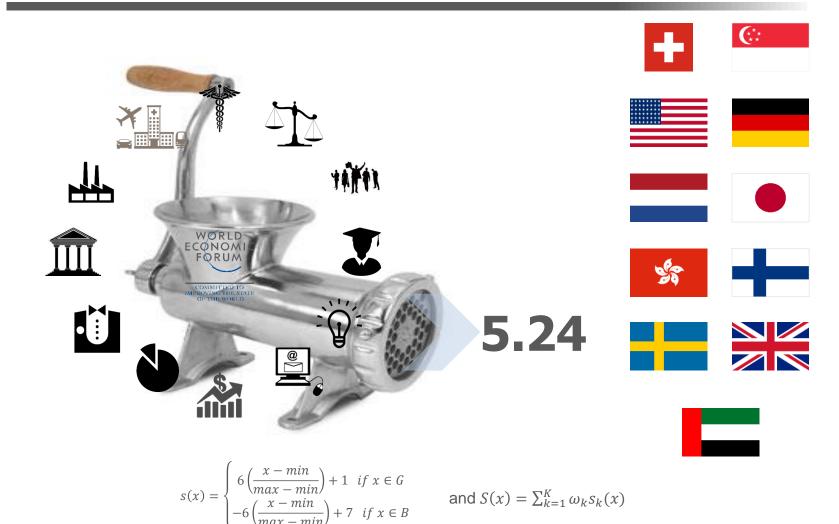
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## Report ranks countries on their competitiveness

Index computes a final score based on 110 indicators





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

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## GROWTH Competitiveness strategy: Diversification

Targeted sectors of economy can be mapped to international reports







## Low oil price → transition to knowledge economy

Global Innovation Index indicators provide framework for policies





Non-oil GDP to be 36% of economy by 2030 (Abu Dhabi)

- R&D % of GDP
- PISA scores
- Patents

- Sponsor fund
- Education reform
- Reduce fees



## Leveraging Dubai Expo 2020 to pivot economy

"Connecting minds; creating the future" > evolve into knowledge economy



25 million visits to the Expo site, of which over 2/3 are expected to come from abroad

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 BNInduced: 4.2 BN

Total: 25.9 BN

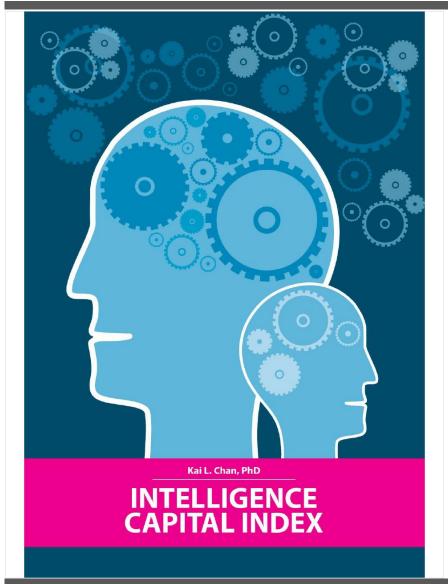
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## Next phase of development: knowledge economy

"Intelligence capital" is the key that will unlock the knowledge economy





National Agenda has goal to transform UAE into a knowledge economy. This will require improving its "intelligence capital" (Chan, 2016).

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. SDP includes the total value of annual production of goods and services.	Federal Cometitiveness and Statistics Authority	4.84% (Preliminary-2014)	5%	Ministry of Econom
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 Econom
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 achieve a lading management interest (10 percent or more of voting stack) in an enterprise operating in an explaint of the control of the c	Conference on Trade and Development	2.66% (2014)	5%	Ministry of Econom
4	Global Competitiveness Index	A composite indicator that measures the competitiveness of countries based on (12) perspectives institutions, infrastructure, mercreconomic environment, health and primary education, higher education and training, goods market efficiency, labor market efficiency, labor imarket deficiency, fusional market development, technological readiness, market size, business sophistication, and innovation.	Forum- Global Compatitivaness	Rank 17 (2015-2016 Report)	Among the top 10 countries	Federal Cometitive and Statistics Auth
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 (NKPE specific to UAE)	The National HR Development & Employment Authority (Tanmia)	5.0% (2014)	8%	The National HR Development & Employment Auth (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, getting electricity, registering property, getting credit, protecting minority investors, paying taxes, trading across borders, enforcing contracts, resolving insolvency, and labor market regulations	World Bank	Rank 31 (2016 Report)	Rank 1	Federal Cometitive and Statistics Auth
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 Econor
9	Global Entrepreneurship and Development Index (GEDI)	An indicator that measures 3 sub-indices: Enterpreneurial Attitudes (the general deposition of a country's population themed (the general deposition of a country's population themed (the preference and Activity the attitude publish the themedium on byte technology assochro included by which add enterpreneurs in response to the following assochro included by which add enterpreneurs in response to the following and the products and services, develop one production processes previet for from products and services, develop one production processes previeted foreign melities substitutibly not seen products processes previeted foreign melities substitutibly not seen production processes previeted foreign melities substitutibly not seen foreign or informal venture capital, or both).	Global Entrepreneurship and Development Institute	Rank 19 (2016 Report)	Among the top 10 countries	Ministry of Econon
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 cophistication 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 Econor
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 (SIGO: 00) of the total workforce. These jobs include: legislators, managers, business executives and specialists and technicisms in the scientific technical and chromamaterian 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	An indicator that measures the total domestic expenditure on research and development (in the public, academic, and private sector), as a percentage of GDP		0.5% (2012)	1.5%	Ministry of Higher Education and Sci Research



## Thank you!

Best wishes to Kazakhstan in achieving its "2050 Strategy"



# Рақмет сізге спасибо



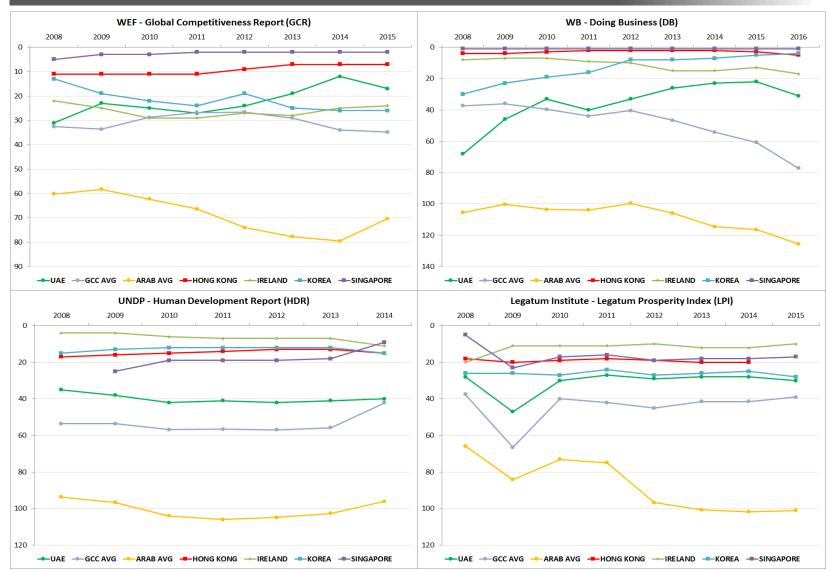
Kazakhstan 2050



## APPENDIX: Historical performance of the UAE

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







## GROWTH 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							



## GROWTH APPENDIX: UAE trade composition (1971)

Diversified trade partners but concentration risk in exported products







## GROWTH APPENDIX: UAE trade composition (2013)

Hydrocarbons still dominate trade



