

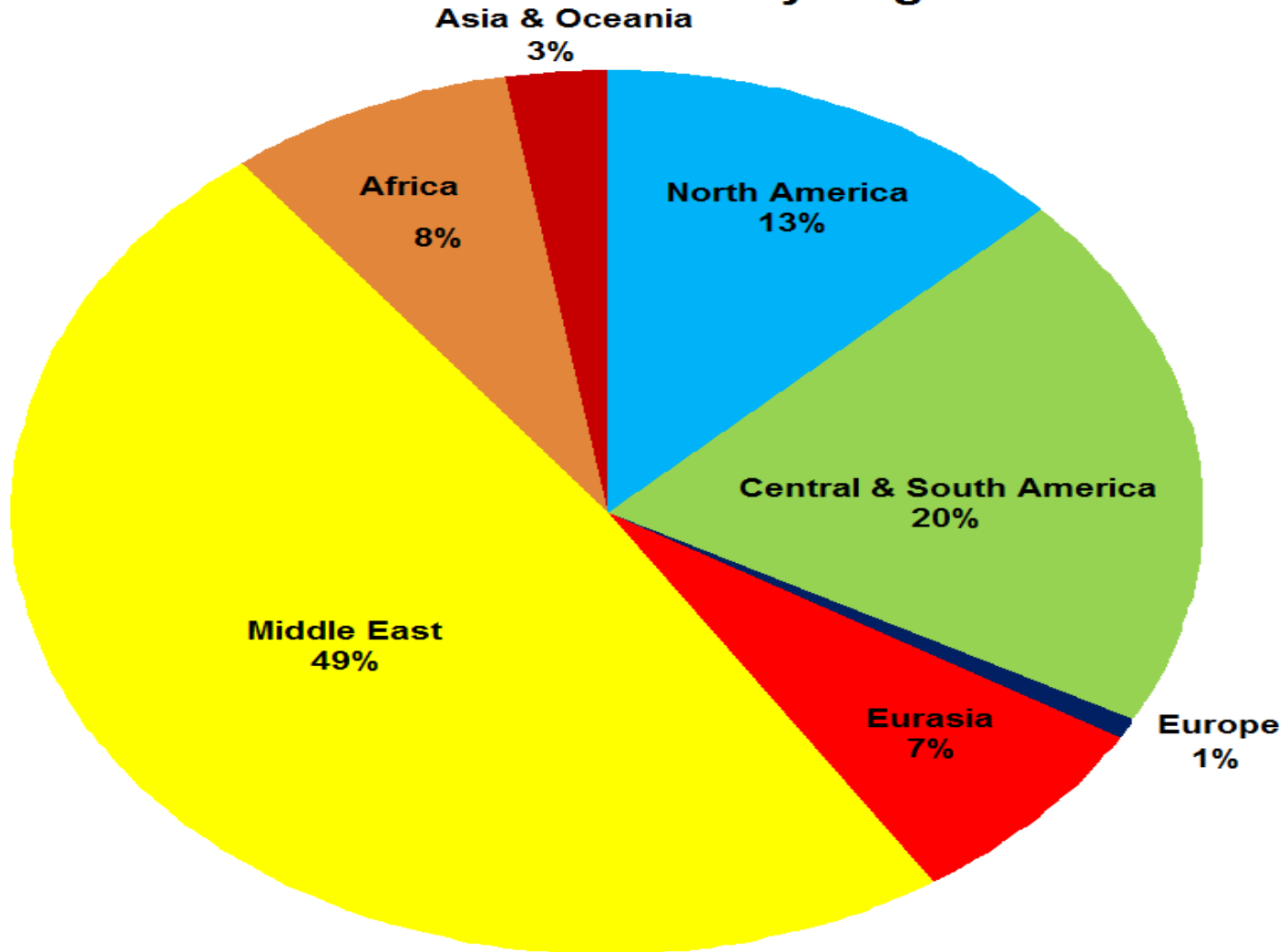


# **Hydrocarbons and Future of the Gulf**

**A Presentation by  
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# World of Oil

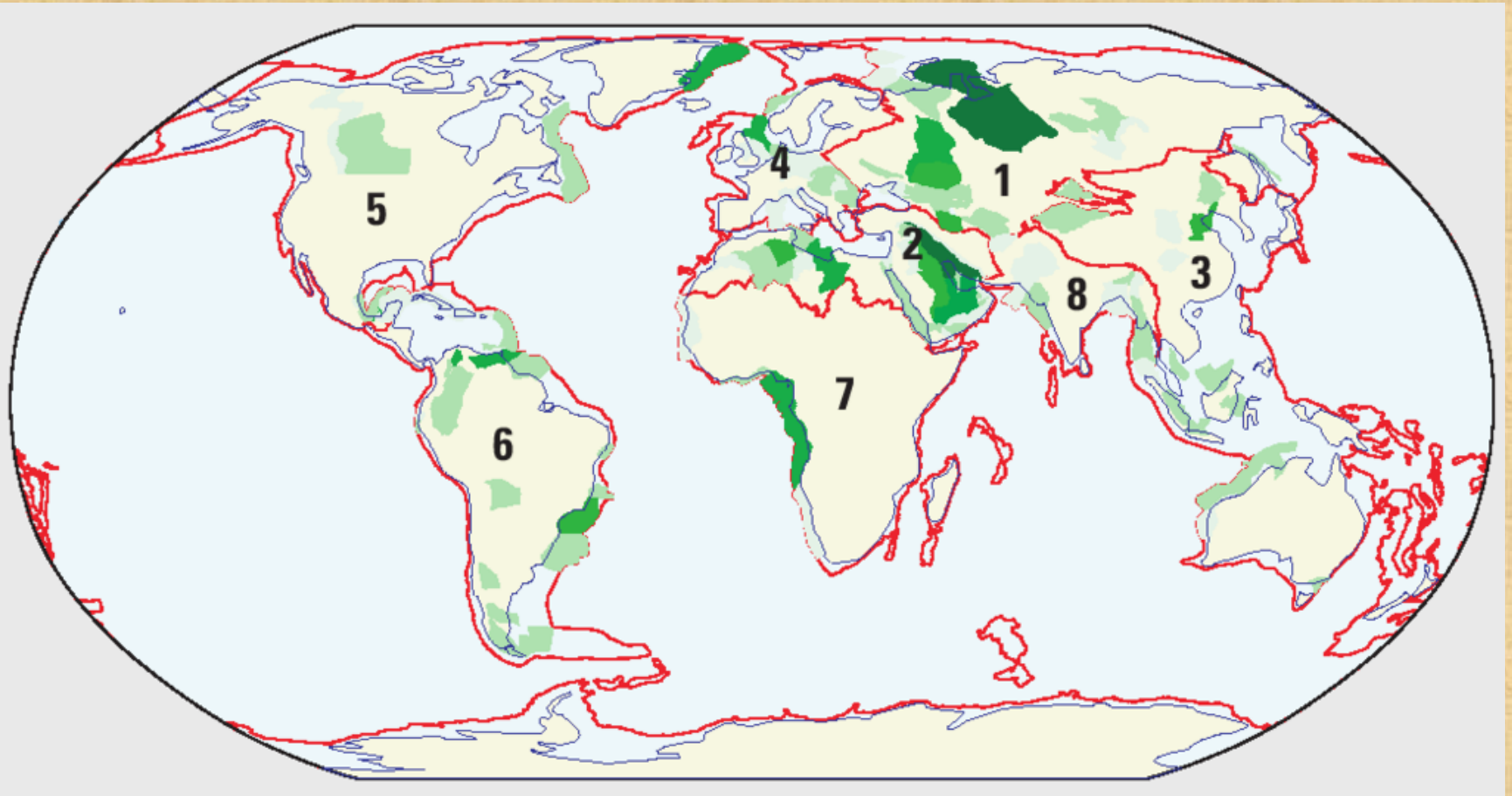
## World Oil Reserves by Region



Data source: US Energy Information Administration (2013)

Reserves are the estimated quantities of crude oil, which are, with reasonable certainty to be recoverable

# Location of Oil Deposits



# OPEC: A Factsheet

Country	Membership Years	Popln (Mn)	Area ('000 km <sup>2</sup> )	Production (B/D)	Reserves (MnB)
Algeria	1969–	40.6	2,382	1,348,361	12,200
Angola	2007–	28.8	1,247	1,769,615	8,423
Equador	1973-92, 2007–	16.4	284	548,421	8,273
Equatorial Guinea	2017–	1.2	28.0	227,000	1,100
Gabon	1975-95, 2016–	2.0	267.7	210,820	2,000
Iran*	1960	80.3,	1,648	3,990,956	157,530
Iraq*	1960–	37.2	437	4,451,516	143,069
Kuwait*	1960	4.1	17.8	2,923,825	101,500
Libya	1962	6.3	1,760	384,686	48,363
Nigeria	1971	186.0	923.8	1,999,885	37,070
Qatar*	1961	2.6	11.4	1,522,902	25,244
Saudi Arabia*	1960	32.3	2,150	10,460,710	266,578
UAE*	1967	9.3	83.6	3,106,077	97,800
Venezuela	1960	31.6	912	2,276,967	299,953
World		7,597.0	510,072	80,622,287	1,650,585
OPEC/World		6%	2%	44%	73%

# Top Oil Producers

<b>S. No</b>	<b>Country</b>	<b>Oil Production (B/D, 2016)</b>
<b>1</b>	<b>Russia</b>	<b>10,551,497</b>
<b>2</b>	<b>Saudi Arabia*</b>	<b>10,460,710</b>
<b>3</b>	<b>United States</b>	<b>8,875,817</b>
<b>4</b>	<b>Iraq*</b>	<b>4,451,516</b>
<b>5</b>	<b>Iran*</b>	<b>3,990,956</b>
<b>6</b>	<b>China</b>	<b>3,980,650</b>
<b>7</b>	<b>Canada</b>	<b>3,662,694</b>
<b>8</b>	<b>United Arab Emirates*</b>	<b>3,106,077</b>
<b>9</b>	<b>Kuwait*</b>	<b>2,923,825</b>
<b>10</b>	<b>Brazil</b>	<b>2,515,459</b>
<b>23</b>	<b>India</b>	<b>734,180</b>
	<b>WORLD</b>	<b>95,000,000</b>

# Top Oil Consumers & Importers, 2016

<b>Rank</b>	<b>Country/Region</b>	<b>Oil Consumption (B/D)</b>	<b>Oil Imports (\$ Bn)</b>
	<b>World</b>	<b>95,008,000</b>	<b>~671.7</b>
<b>1</b>	<b>United States</b>	<b>19,396,000</b>	<b>108.1</b>
	<b>European Union</b>	<b>15,000,000</b>	<b>?</b>
<b>2</b>	<b>China</b>	<b>11,968,000</b>	<b>116.2</b>
<b>3</b>	<b>India</b>	<b>4,159,000</b>	<b>60.9</b>
<b>4</b>	<b>Japan</b>	<b>4,150,000</b>	<b>50.8</b>
<b>5</b>	<b>Saudi Arabia*</b>	<b>3,895,000</b>	<b>-</b>
<b>6</b>	<b>Brazil</b>	<b>3,157,000</b>	<b>?</b>
<b>7</b>	<b>Russia</b>	<b>3,113,000</b>	<b>-</b>
<b>8</b>	<b>South Korea</b>	<b>2,575,000</b>	<b>44.2</b>
<b>9</b>	<b>Germany</b>	<b>2,338,000</b>	<b>28.7</b>
<b>10</b>	<b>Canada</b>	<b>2,322,000</b>	<b>-</b>

# Gas: Top Reserves & Production

Rank	Country/Region	Proven Reserves (BCM)	Production (BCM)
1	Russia	47,800	598.6
2	Iran*	34,020	184.8
3	Qatar*	24,530	164.0
4	United States	10,440	766.2
5	Saudi Arabia*	8,489	102.3
6	Turkmenistan	7,504	83.7
7	UAE*	6,091	60.2
8	Venezuela	5,617	26.0
9	Nigeria	5,111	45.1
10	Algeria	4,504	83.0
22	India	1,489	31.2
	World	205,430	3,500

# Other Relevant Factors

- Renewables (Solar Wind, Biomass, etc.)
- Shale Gas and Oil
- Energy Efficiency Improvements
- Bio-Fuels
- Contrarian Shift to Hydrocarbons
- Recycling
- Trends in Transportation:
  - (i) Mass Transit;
  - (ii) Growth in Travelling and Means of Transport
  - (ii) Electric & Self Driving Cars





# Hydrocarbons & the Gulf: Present

- Nearly 50% of Global Reserves; 25% of Output
- Significant Part of the Gulf GDP
- Catapulted Region to Prosperity & Importance
- Reliance of Foreign Manpower
- Downstreaming Strategies:
  - (i) Diversification to Services, etc.
  - (ii) Petrochemical Industries,
  - (iii) Aramco Listing
  - (iv) Focus on Ancillaries & Contrarian Domains

# Hydrocarbons & the Gulf: Future

- **Current Contest between OPEC+ and Shale**
- **Geo-political Convergences**
- **Geo-political Divergences**
- **Demand Side Shifts to Asia & Clean Energy**
- **Domestic & Regional Issues**
- **Towards More “Normal” Energy Equilibrium**

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