

# Jack Schwartzman

Oil

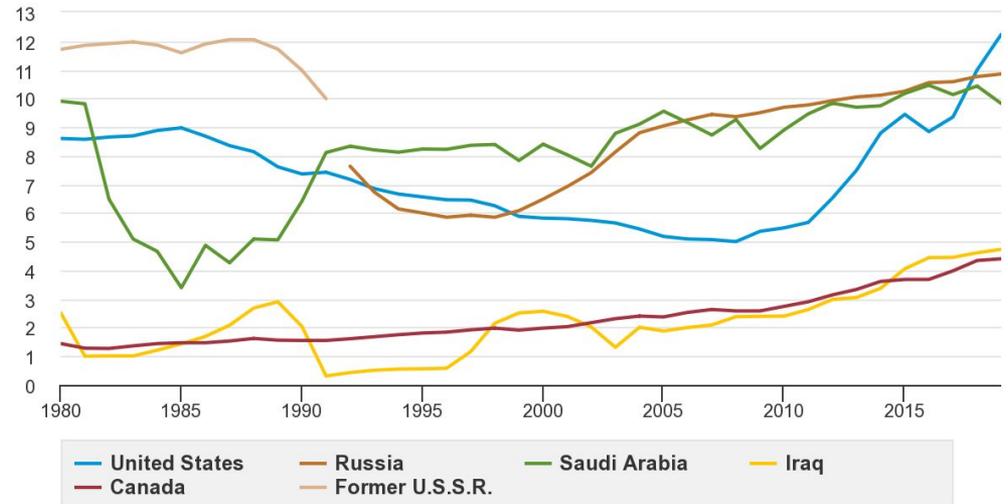


# Where Oil is Produced

- United States
- Russia
- Saudi Arabia
- Iraq
- Canada
  
- U.S.S.R.

Top five crude oil producing countries, 1980-2019

million barrels per day



Note: Includes crude oil and lease condensate. Ranking based on production in 2019.  
Source: U.S. Energy Information Administration, International Energy Statistics, as of March 24, 2020

# Where does the United States get its Oil?

- As of 2011 United States gets around 39% of its oil from themselves but has since increased
- The oil the United States provides for itself comes mainly from Texas, North Dakota, New Mexico, Oklahoma, and Colorado
- Imported 9.14 mill barrels a day
- Canada, Mexico, Saudi Arabia, Russia, Columbia

# Leading Oil Exporters

- Saudi Arabia
- Russia
- Iraq
- Canada
- United Arab Emirates
  
- United States



Countries that lead oil exports across the globe

# Top Corporations that Produce/Manufacture and/or Distribute Oil

- Some of top profiting oil companies in the world include,
  - China Petroleum & Chemical Corp. (Sinopec)
  - PetroChina Co.
  - Saudi Arabian Oil Co.
  - Royal Dutch Shell
  - BP plc
  - Exxon Mobil Corp.
  - Total SE
  - Chevron Corp.
  - Marathon Petroleum Corp.
  - PJSC Lukoil



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# Production Process of Oil

- 7 step process for extracting oil

1. Preparing the rig site
2. Drilling
3. Testing
4. Well Completion
5. Fracking
6. Production
7. Land Restoration



Fracking

# Downsides of Oil Production

- Issues on Fracking
  - Causes Earthquakes
  - Rise in Greenhouse Gases
  - Pollutes groundwater
- Issues with Oil Production
  - Limited resource
  - Destroying environments



# Oil protests

- Many protests against drilling for oil
- People Protecting their land
- Anti Fracking movements



# Wars caused because of oil conflict

- World War II
- Iraq invading Kuwait
- U.S. invading Iraq
- Iran-Iraq war

and more



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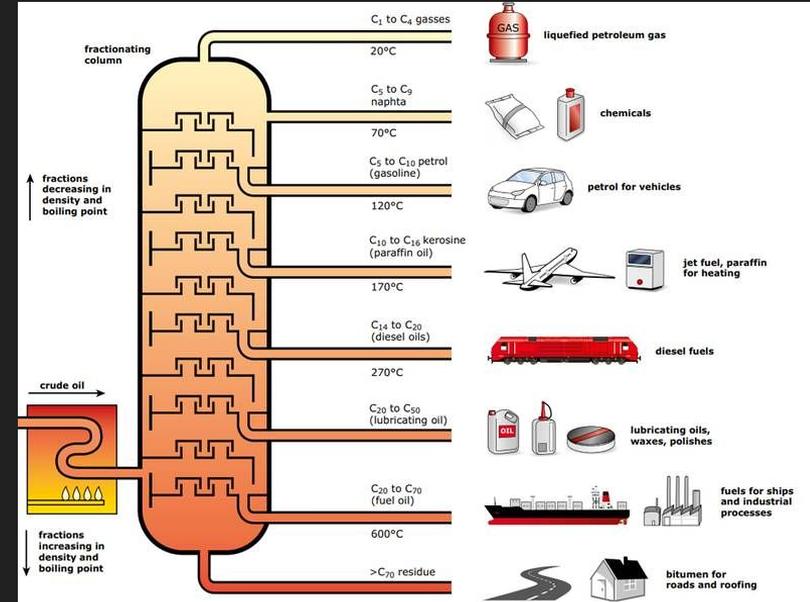
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# Processes of Oil

- First the oil needs to be taken from the ground
- Then is transported to then be refined
- Turned into petroleum products
- Once into petroleum products it is then transported to gas stations and other companies around the world
- Canada, Mexico, Saudi Arabia, Russia, Columbia



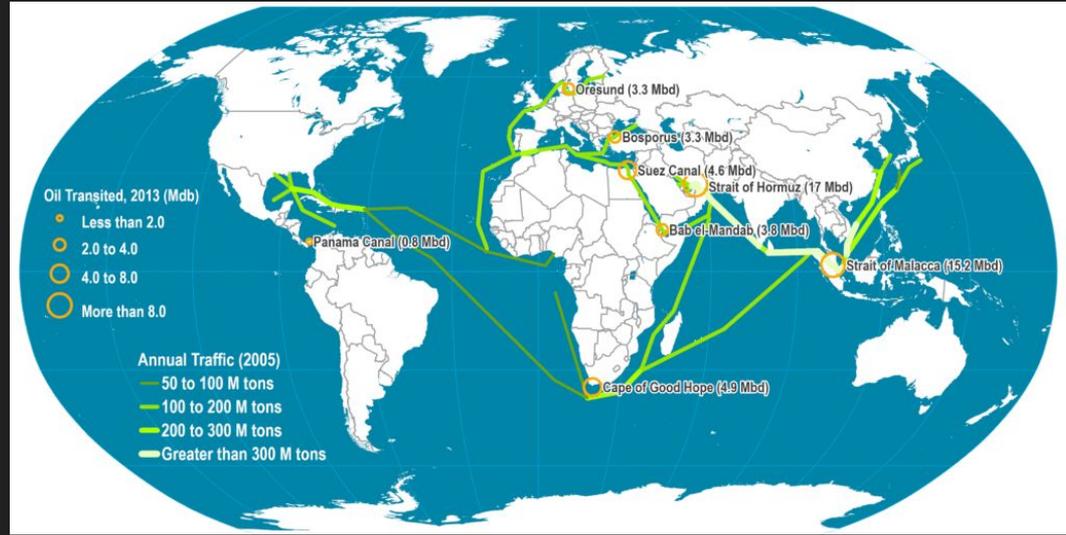
## COUNTRIES CONTRIBUTION TO TOTAL OIL PRODUCTION

With data gathered from The U.S. Energy Information Administration (EIA), our map changes the area of each country to show which countries produce the most oil.



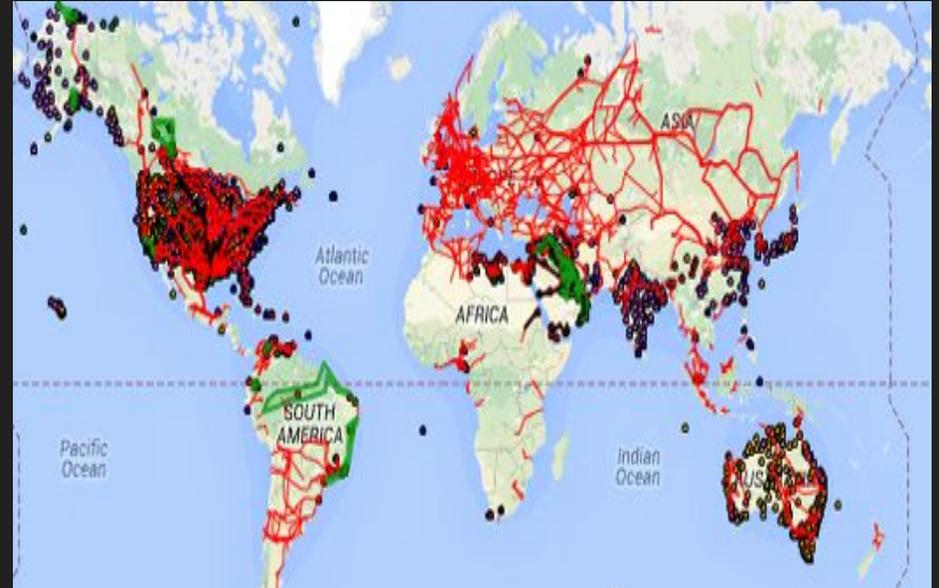
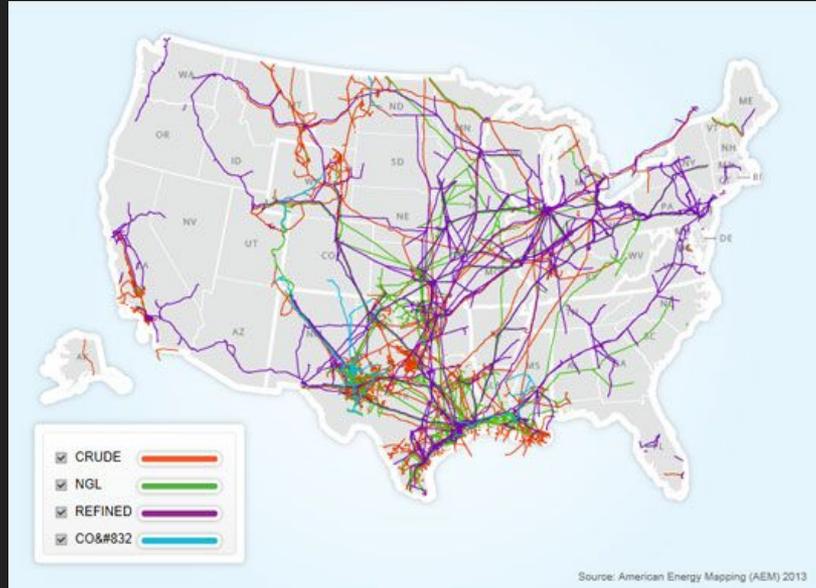
# Oil Transportation

- Pipelines
- Railroads
- Trucks
- Ships



Main forms of oil transportation

# Oil Pipelines



# Oil Tanker Companies

Main Companies that provide transportation by Tankers

- Teekay Corp
- Euronav NV
- Scorpio Tankers Inc
- Frontline Ltd
- DHT Holdings Inc



# Violence in Oil Transportation/ Trading

- Main causes of wars are because of oil
- No other global commodity has affected international security like oil
- It is debated by many Americans on whether the United States intentions in Iraq were actually because of oil



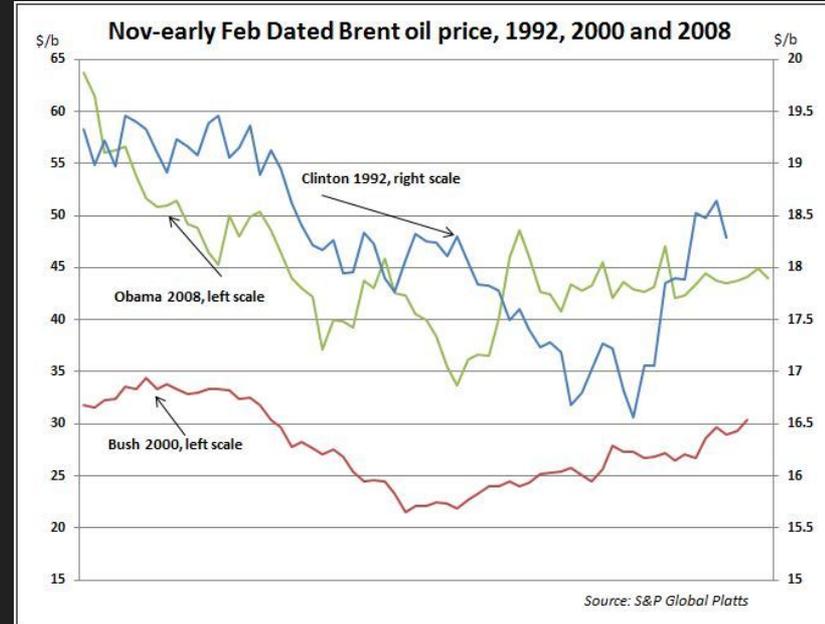
# Dangers in Oil Transportation

- Pirates
- Tankers are easy targets
- Ransom scenarios



# Social Movements around Oil trading

- Supply and Demand factor
- Protests in Iran 2018 affected global oil prices
- Natural disasters also play a huge factor involving oil prices and trading
- Elections



# Advertising/ Social Status

- United States and China have the highest demand for oil
- Niue and Saint Helena have the lowest demand for oil
- Oil advertisements



# How Visible distribution/production processes are

- What oil companies are trying to hide
- Global Warming
- Exxon sued 2015



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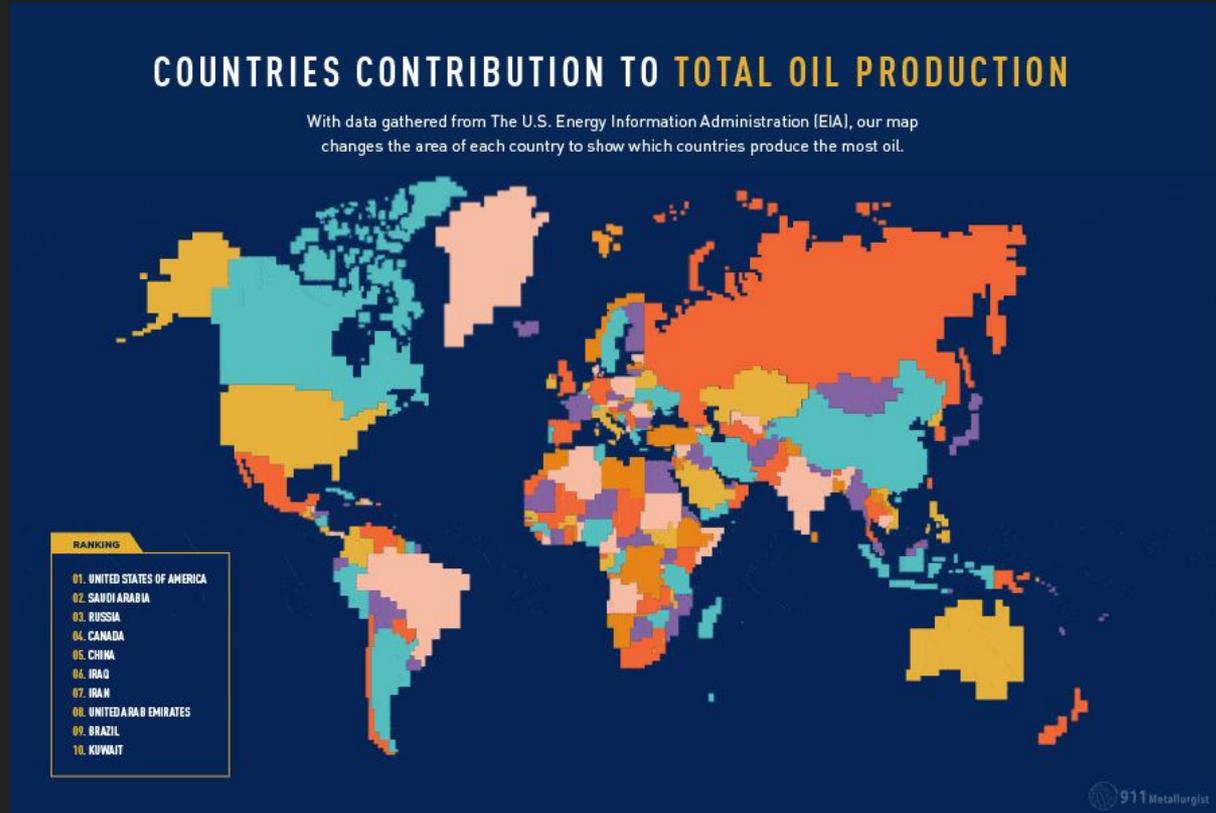
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# Jack Schwartzman Oil



# Where is Oil Produced?

- United States
- Saudi Arabia
- Russia
- Canada
- China



# How Oil Production Works

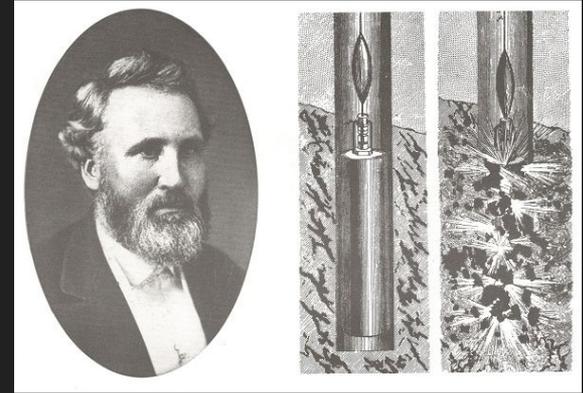
- 7 Main Steps for Oil Production

1. Preparing the rig site
2. Drilling
3. Testing
4. Well Completion
5. Fracking
6. Production
7. Land Restoration



# What is Fracking and Why is it harmful

- 1862, Colonel Edward A. L. Roberts
- Civil War discovery with artillery / Narrow water filled canals
- “Exploding Torpedo”
- 1200% increase in flow

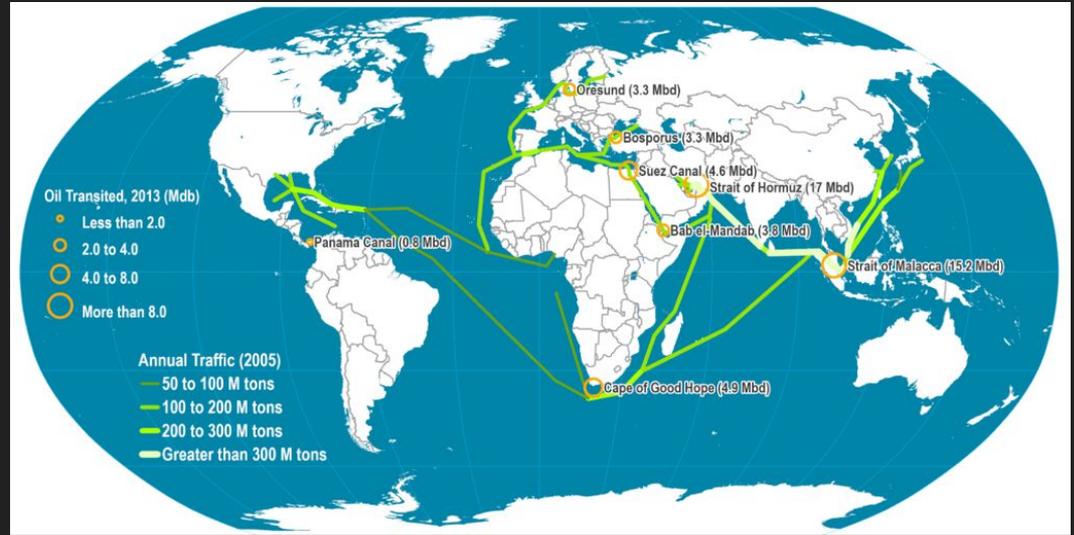


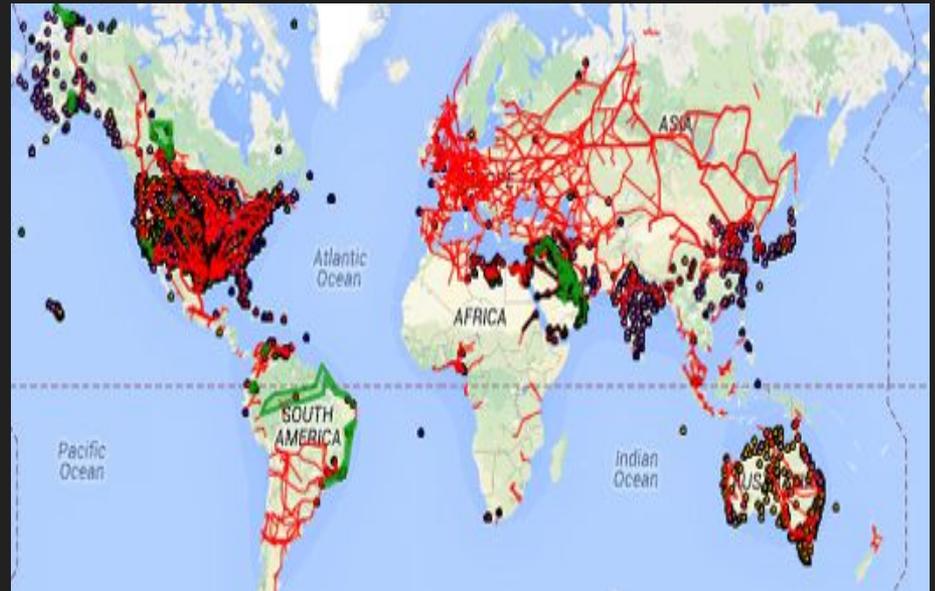
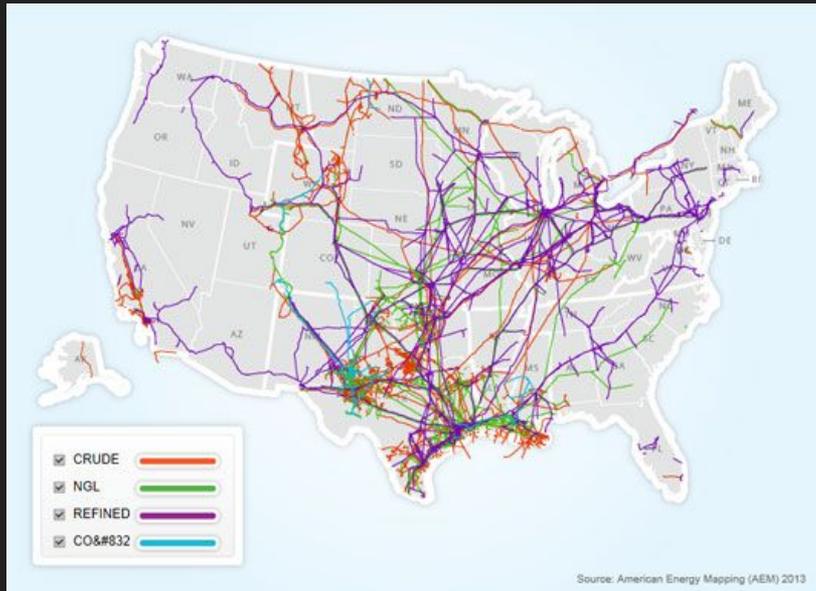
- Dangers of Fracking Include
  - Groundwater Contamination
  - Air Pollution
  - Toxic Chemical Exposure
  - Earthquakes and more



# How Oil is Transported

- Pipelines
- Railroads
- Tankers
- Trucks





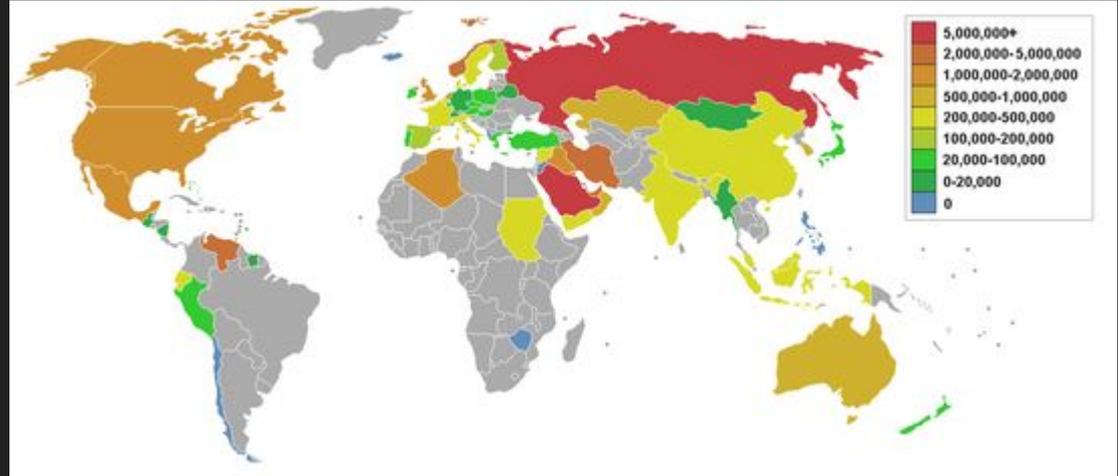
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# Oil Exports Around the World

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- Russia
- Iraq
- Canada
- United Arab Emirates
- United States

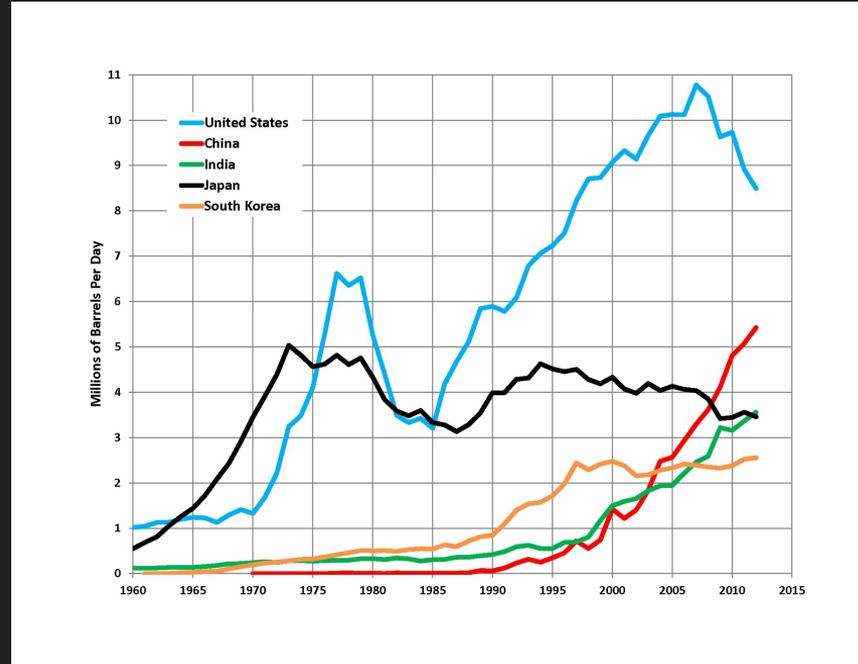


# What Countries Import the Most Oil

As of 2019

- China / 22.6%
- United States / 12.5%
- India / 9.7%
- Japan / 6.9%
- South Korea / 6.6%

58.3% of Global Imports



# Controversy with Oil

- Anti Fracking movements
- Dakota Access Pipeline protests
  - 2016
  - Bakken oil fields to Southern Illinois
  - Under both the Missouri and Mississippi



- Main Cause of War
  - No other global commodity has affected international security like oil has

# Fetishism

- Harmful effects oil causes are public to the world
- Drilling for oil is very damaging to the surrounding environment
- The drilling and overall usage of oil and oil products leads to climate change
  - With large amounts of carbon dioxide being put into the atmosphere
  
- While this is known very little is done about these issues to make a significant difference



# Actions We Can Take

- Be More Mindful of Fossil Fuel Usage
  - Car Pooling
  - Eco Friendly Vehicle
  - Walking or Riding a Bike when available
  - Limit usage of Fossil Fuels



- What I have done
  - I make sure to carpool as much as possible
  - Walk when I can to places near by



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