


COMTRADE DATA FAIR, SEPTEMBER 2017

 **THINK BLUE DATA**

THINK BLUE DATA



THINK BLUE DATA, CO., LTD.



- ▶ **We are** a software solutions company
 - ▶ Specializing in custom web-based **interactive data visualization** platforms
 - ▶ Established in Thailand in 2012
- ▶ **Our Process:** Agile, User Centered
- ▶ **Some of the technologies we use:**
 - ▶ **Front-end:** JavaScript, D3.js, AngularJS
 - ▶ **Back-end:** Node.js, Apache Spark, Google Cloud Platform

ASIA PACIFIC ENERGY



ASIA PACIFIC ENERGY PORTAL



200+
data sets

2,800+
policy and
programme
documents
processed and
uploaded

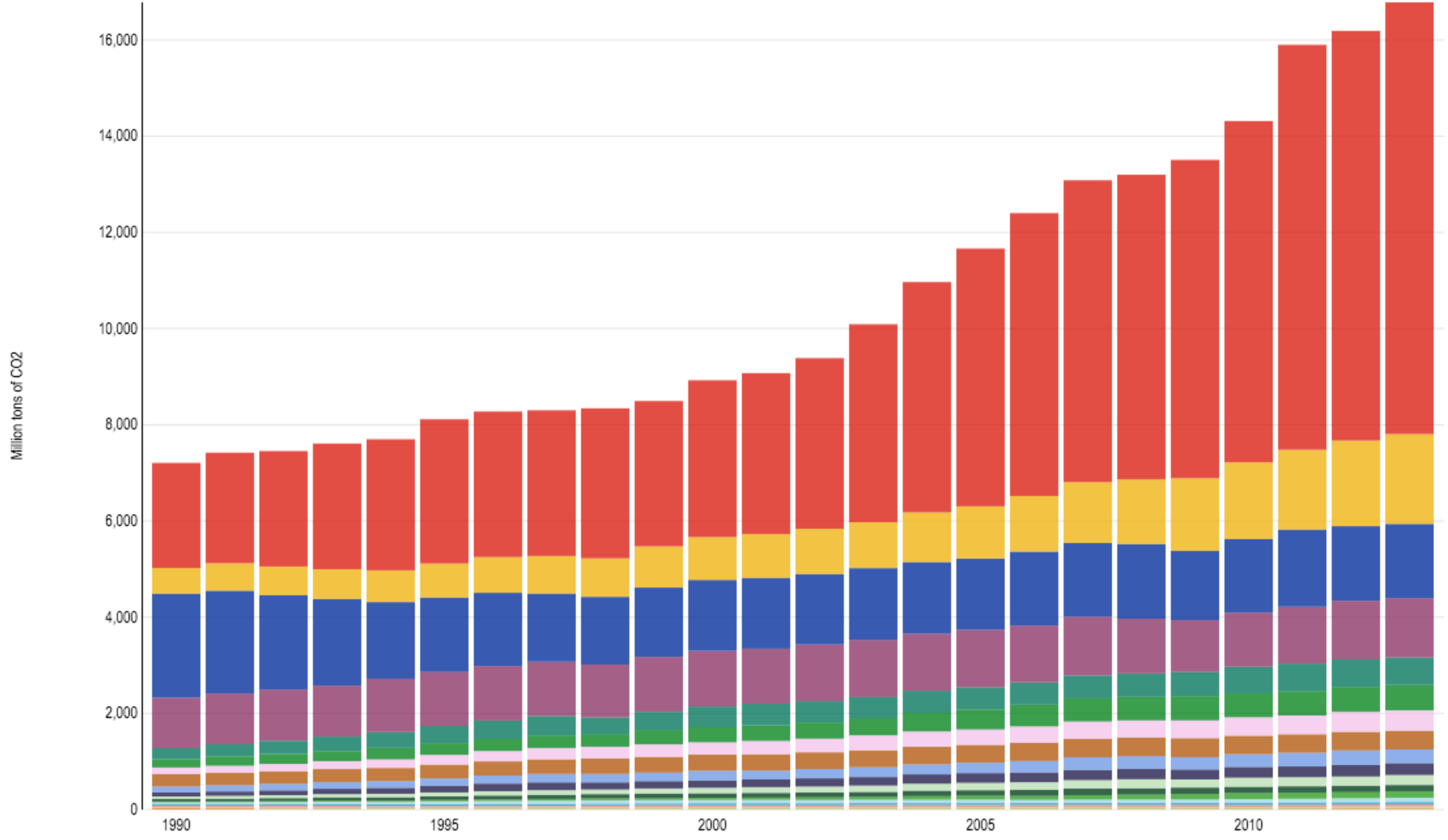
6,100+
power plants
mapped

Geography

Data

Total CO2 Emissions from Fuel Combustion, 1990-2013

Million tons of CO2



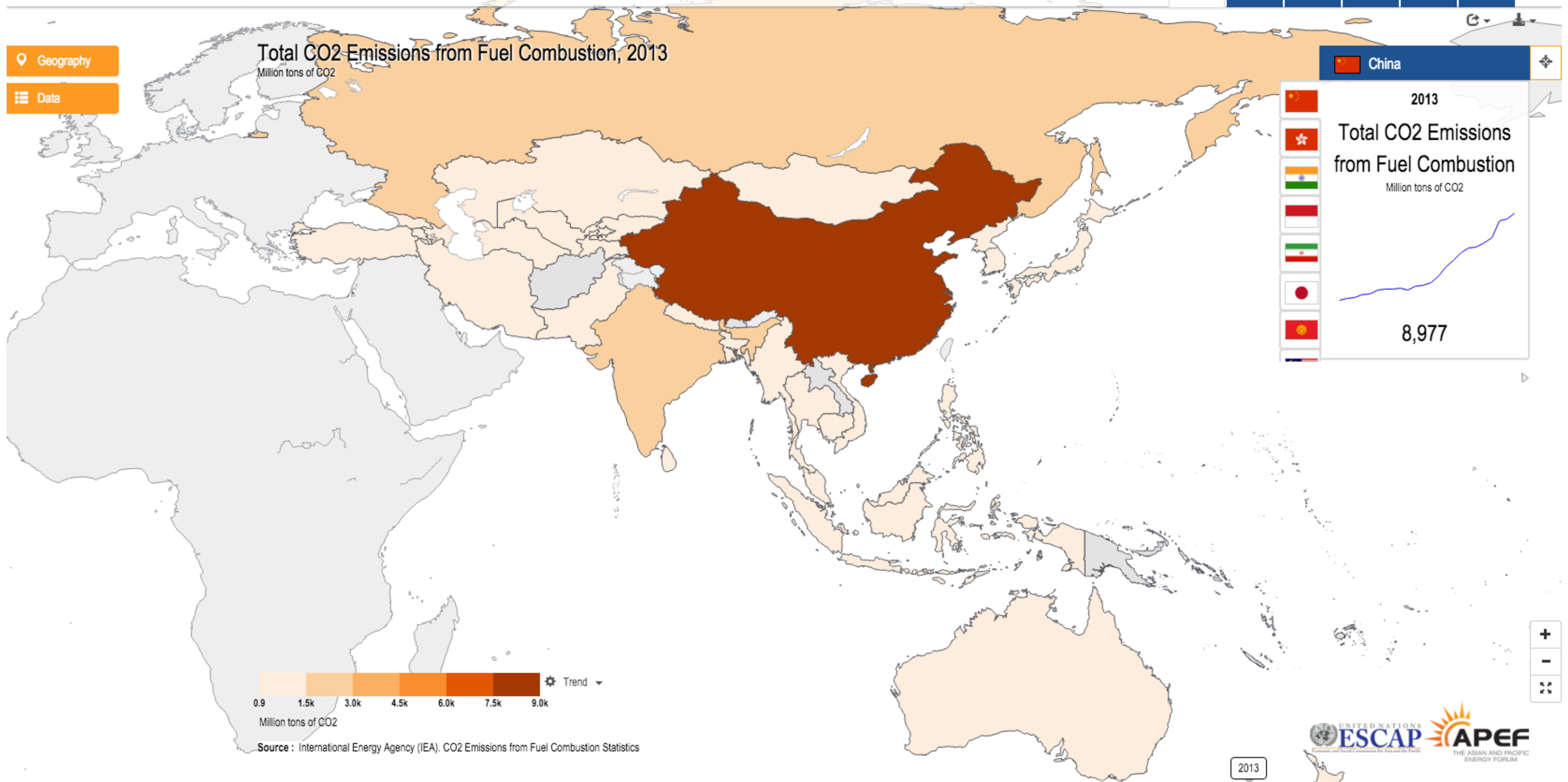
- China
- India
- Russian Federation
- Japan
- Republic of Korea
- Islamic Republic of Iran
- Indonesia
- Australia
- Turkey
- Thailand
- Malaysia
- Pakistan
- Viet Nam
- Philippines
- Singapore
- Hong Kong, China
- New Zealand
- Myanmar
- Kyrgyzstan
- Cambodia
- Nepal

Source : International Energy Agency (IEA). CO2 Emissions from Fuel Combustion Statistics

1990 : 2013

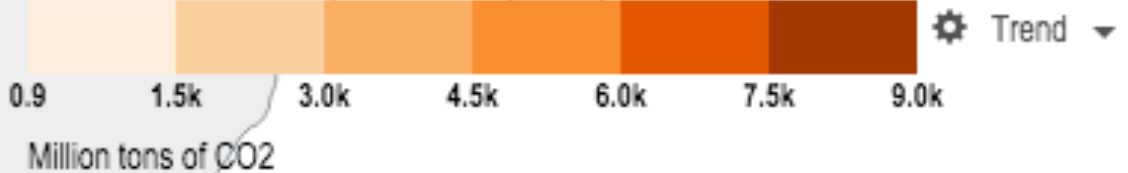


Geography Data



Total CO2 Emissions from Fuel Combustion, 2013
Million tons of CO2

China 2013
Total CO2 Emissions from Fuel Combustion
Million tons of CO2
8,977



Source : International Energy Agency (IEA). CO2 Emissions from Fuel Combustion Statistics

- Myanmar
- Nauru
- Nepal
- New Caledonia*
- New Zealand
- Niue*
- Northern Mariana Is.*
- Pakistan
- Palau
- Papua New Guinea
- Philippines
- Republic of Korea
- Russian Federation
- Samoa
- Singapore
- Solomon Islands
- Sri Lanka
- Tajikistan
- Thailand
- Timor-Leste*
- Tonga
- Turkey
- Turkmenistan
- Tuvalu
- Uzbekistan

Country: THA Effective date in: 1990-2016

DOCUMENT SEARCH

solar

Search

title content

Search found 33 items

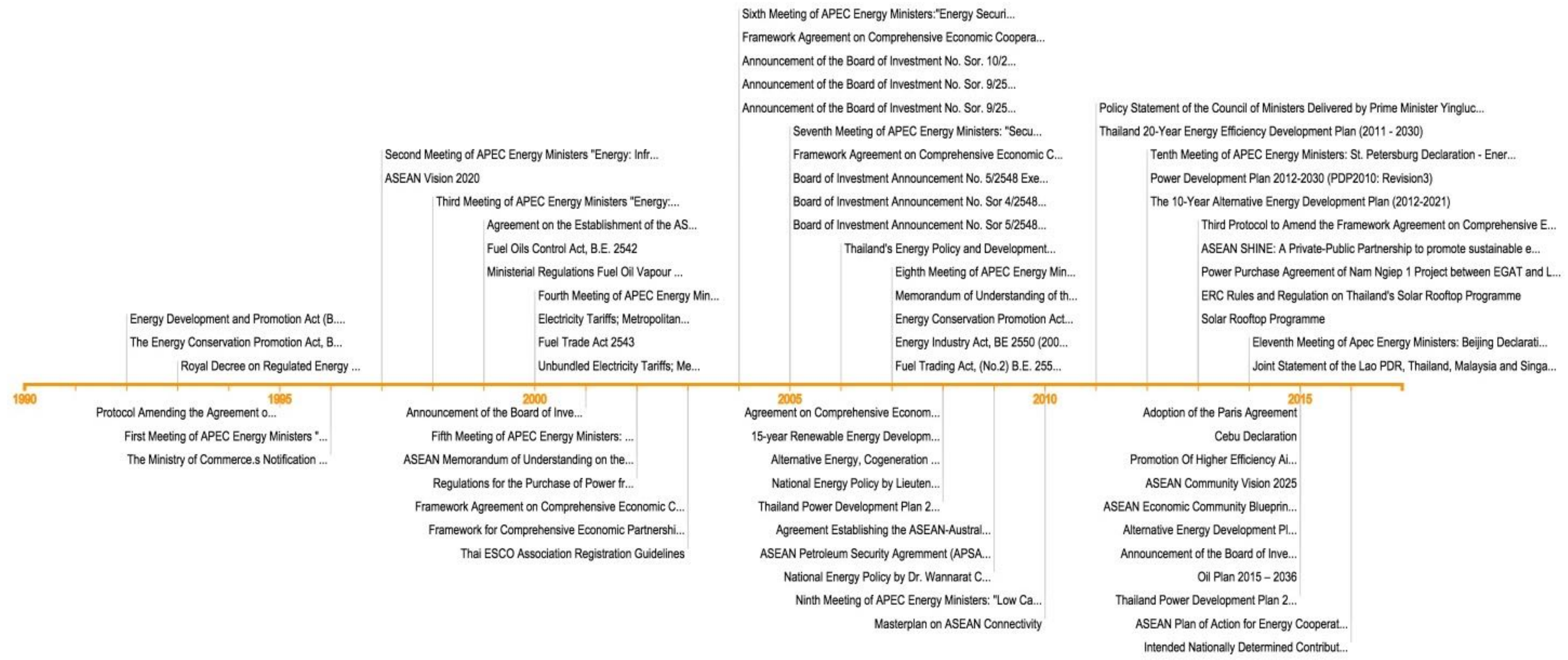
Title	Effective Start Year	Effective End Year	Agency
THAILAND: Solar Rooftop Programme ... Internationale Zusammenarbeit (GIZ) Solar Rooftop Programme The first package announced is a policy scheme to ... tariff. Applicants who wish to install solar systems will have to hand in applications with PEA or MEA ... a special feed-in tariff for community-based ground-mounted solar systems with a quota/target of 800 MW. ... shall be foreseen for solar projects. Since the financial means one village receives from the fund are	2013		Ministry of Energy- Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)
THAILAND: 15-year Renewable Energy Development Plan (2008-2022) ... energy consumption by the year of 2022. It includes various renewable energy types: solar , wind, hydro ... are as follows: Solar 500 MW; Wind 800 MW; Hydro 324 MW; Biomass 3700 MW; Biogas 120 MW; MSW 160 MW; ... solar , 7 years for other RE. ESCO Fund- venture capital for ESCOs to jointly invest with private	2008	2022	Department of Alternative Energy Development and Efficiency, Ministry of Energy
THAILAND: ERC Rules and Regulation on Thailand's Solar Rooftop Programme ... Unofficial GIZ Translation of the ERC Rules and Regulation on Thailand's Solar Rooftop Programme ... (ERC) 1 on Power Purchase from Solar PV Rooftop 2013 2. Notification of the Energy Regulatory ... Commission 7 on Power Purchase from Solar PV Rooftop 3. ANNEXES ... 15 Regulation of the Energy Regulatory Commission (ERC) on Power Purchase from Solar PV Rooftop	2013		Energy Regulatory Commission (ERC), Department of Alternative Energy Development and Efficiency, Ministry of Energy
THAILAND: Thailand Power Development Plan 2007-2021 (PDP 2007: Revision2) ... cycle power plant, Independent Power Producer (IPP) projects, small hydro/ solar /wind projects, power	2008	2021	Electricity Generating Authority of Thailand, National Energy Policy Council
THAILAND: The 10-Year Alternative Energy Development Plan (2012-2021) ... Thailand there are potentials of natural energy resources, as ex: solar energy with its solar radiation ... 4.1 Renewable energy for power generation 4.1.1 Solar energy: target in 2021 is 2,000 MW with ... including Solar PV Rooftop, for 1,000 MW in 10 years. Consideration may cover the system installed in ... or any sectors concerning to gain knowledge in using solar power generation system by various types.	2012	2021	Ministry of Energy, Department of Alternative Energy Development and Efficiency
THAILAND: Power Development Plan 2012-2030 (PDP2010: Revision3) ... MW Solar 39,542 17.7 2015 30,231 SPP-Renewables 369 MW- SPP-Cogeneration 540 MW Gas ... 3 MW Hydro Kiew Kohma Hydropower 6 MW Hydro Mae Karm Solar Cell 0.1 MW Solar ... 1 MW Hydro Lam Ta Khong Hydropower 2 MW Hydro Bhumubol Dam Solar Cell 0.1 MW Solar ... Turbine 3 MW Wind Rajjaprabha Dam Solar Cell 0.1 MW Solar Pha Chuk Hydropower 20 MW Hydro	2012	2030	Electricity Generating Authority of Thailand
THAILAND: Thailand Power Development Plan 2015-2036 (PDP2015) ... Development Plan in year 2036 (MW) Year Solar Wind Hydro Waste Biomass Biogas Energy crops Total 2014 ... potential of the region. 7.3) Solar and wind energy will be promoted as soon as they become ... Plant Factor (%) Target 1/ Solar - Ground Mount- Rooftop 16 15 6,000.0 Wind 18 3,002.0 Hydro ... accumulated installed capacity of renewable energy (VSPPs/DEDE/PEA) (MW) Year Solar Wind Hydro Waste	2015	2036	Energy Policy and Planning Office
BRUNEI DARUSSALAM, INDONESIA, MALAYSIA, PHILIPPINES, SINGAPORE, THAILAND, VIET NAM: ASEAN Medium-Term Programme of Action on Energy Cooperation (1995 – 1999) ... manufactured NRSE products, namely solar photo voltaic systems, solar thermal water heaters and wind energy ... promotion of intra-ASEAN trade of ASEAN-manufactured NRSE products, namely solar photo voltaic systems, ... solar	1995	1999	The Governments the ASEAN Member States

1990 : 2016



Thailand Energy Policy and Regulation, 1990-2017

- Myanmar
- Nauru
- Nepal
- New Caledonia*
- New Zealand
- Niue*
- Northern Mariana Is.*
- Pakistan
- Palau
- Papua New Guinea
- Philippines
- Republic of Korea
- Russian Federation
- Samoa
- Singapore
- Solomon Islands
- Sri Lanka
- Tajikistan
- Thailand
- Timor-Leste*
- Tonga
- Turkey
- Turkmenistan
- Tuvalu
- Uzbekistan
- Vanuatu
- Viet Nam

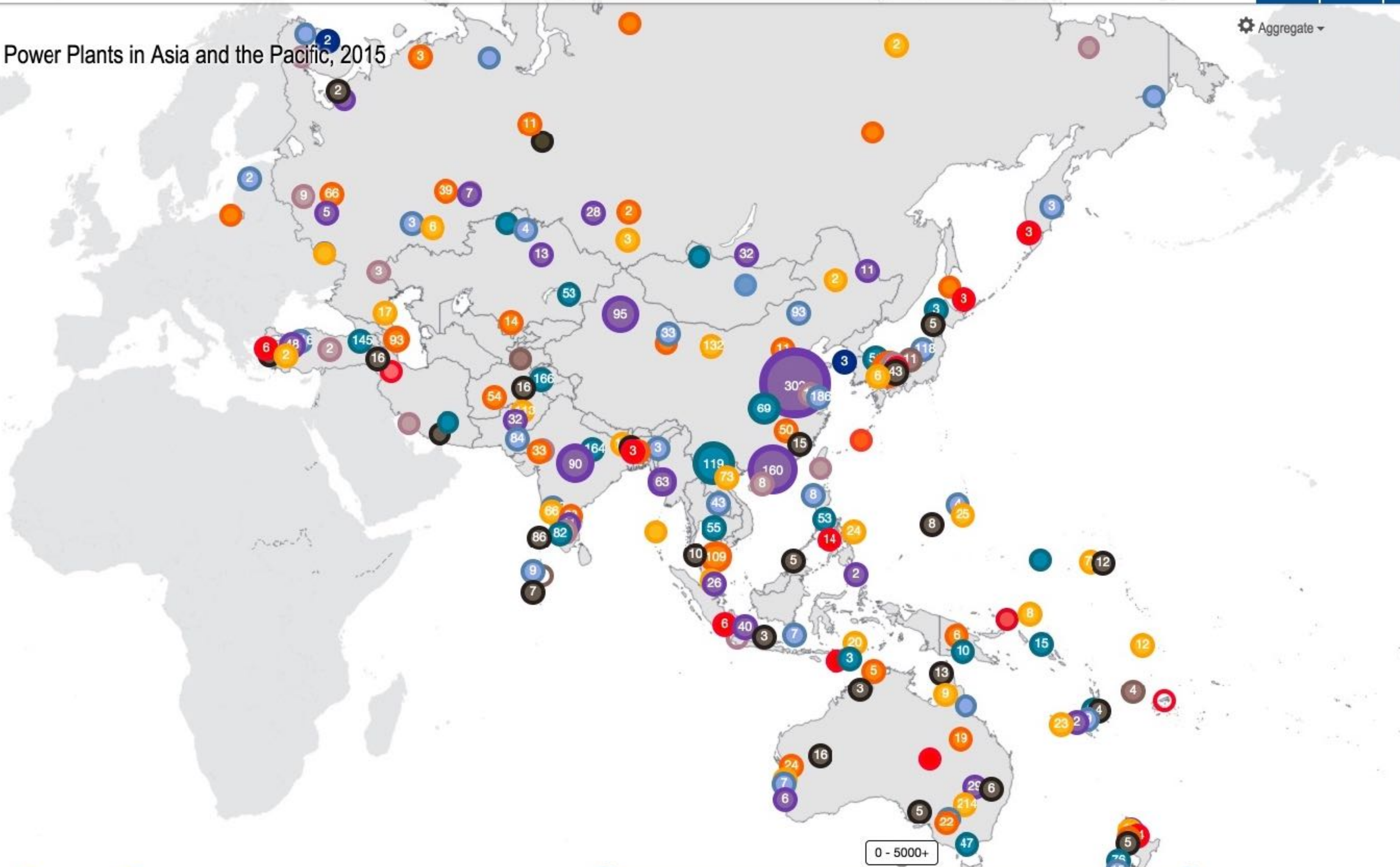


1990 : 2017

Search Infrastructure...

- Infrastructure
- Power Plants
 - Coal 1052
 - Gas 734
 - Oil/Diesel 336
 - Nuclear 72
 - Hydro 1139
 - Wind 1001
 - Solar 1177
 - Geothermal 74
 - Biomass 18
 - Marine 5

Power Plants in Asia and the Pacific, 2015



Asia and the Pacific

Latest data available: 2014

Electricity Production by Product

GWh

- Geothermal
- Oil
- Biofuels and waste
- Solar/Wind/Tide
- Coal
- Natural Gas
- Hydro
- Nuclear

- Announced
- Under Construction
- Commissioned
- Decommissioned

0 - 5000+

Filter By Capacity (MW)

2015



Search Geo...

Country

- Georgia
- Guam*
- Hong Kong, China*
- India
- Indonesia
- Iran (Islamic Rep. of)
- Japan
- Kazakhstan
- Kiribati
- Kyrgyzstan
- Lao PDR
- Macao, China*
- Malaysia
- Maldives
- Marshall Islands
- Micronesia (F.S.)
- Mongolia
- Myanmar**
- Nauru
- Nepal
- New Caledonia*

Energy Access

Percentage Population with Access to Electricity in Myanmar, 2014

52.0 % of total population

Source : World Bank, Sustainable Energy for All (SE4ALL) database

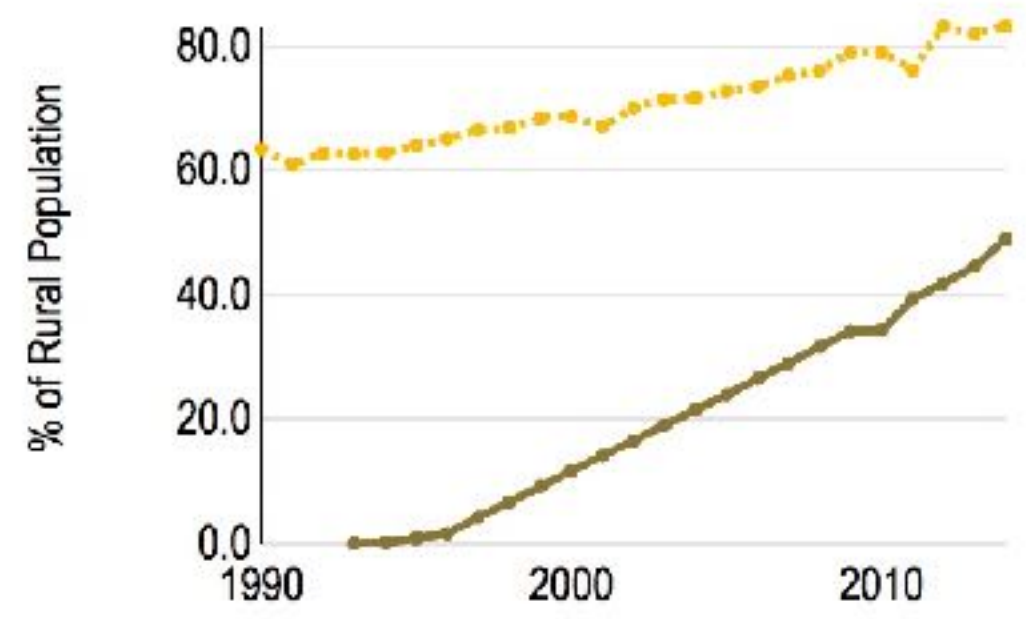
Only 52% of the population had access to electricity in 2014, making energy access one of the most relevant national challenges. In particular, infrastructure constraints caused by obsolete infrastructure and insufficient investment in rehabilitation and maintenance hindered the sustainable economic growth of the country. Also, despite its traditional and modern resource potential, Myanmar's reliance on energy imports along with a fossil-fuel dominated energy mix, are posing an obstacle to energy affordability and security. In particular, these resulted in a high cost of energy production and led to the provision of Government's subsidies.

Through the **NEP**, the Government is committed to ensuring energy security and affordable energy for the sustainable development of the country. The **NEP** reaffirms the targets set through the Development Reform Program Meeting in June 2012, to expand electricity access from 26% in 2012 to 75% by the end of year 2021-2022. In order to achieve such target, the country will increase its generation capacity by 500 MW to 1,000 MW yearly, reaching a total of about 16,665 MW by 2022. Furthermore, the **Industrial Policy 2016** reports that the Ministry of Electric Power is targeting 22,720 MW installed capacity increase from 2012-2013 to 2030-2031. A more ambitious target was set under the **2014 National Electrification Programme** to achieve 100% rural energy access by 2030¹.

In order to achieve such targets, the country is looking into opening-up to foreign investors and to the private sector to support electric power development.

Additional measures include the gradual removal of market distorting energy subsidies to increase the efficiency in energy production and distribution. Emphasis is on realizing such transition through a transparent process and public consultations. At the same time, these measures will contribute to the optimization of the energy mix by directing investments towards renewable energy development, including solar, wind, mini-hydro, biomass for power generation. Energy efficiency improvements are also prioritized as they are expected to reduce the costs of energy production and therefore to increase affordability.

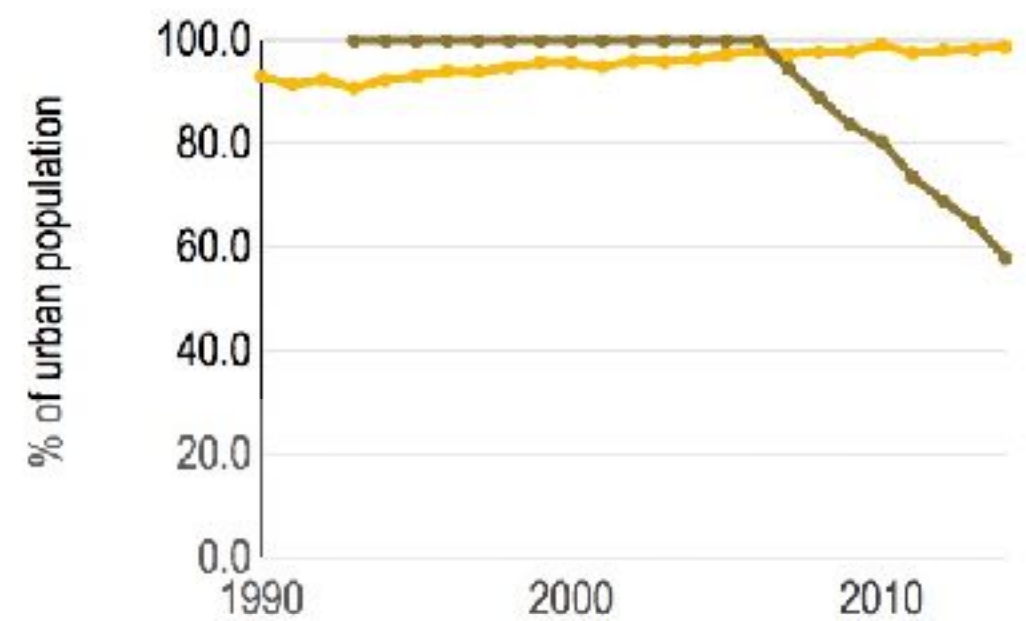
Percentage of Rural Population with Access to Electricity in Myanmar, Asia and the Pacific, 1990-2014



Legend: Asia and the Pacific (Yellow), Myanmar (Green)

Source : World Bank, Sustainable Energy for All (SE4ALL) database

Percentage of Urban Population with Access to Electricity in Myanmar, Asia and the Pacific, 1990-2014



Legend: Myanmar (Green), Asia and the Pacific (Yellow)

Source : World Bank, Sustainable Energy for All (SE4ALL) database

ASIA PACIFIC ENERGY TRADE DATA



China Energy Exports, 2015

- Geography
- Data

Trade Value

China

2015

Energy Exports

No Data

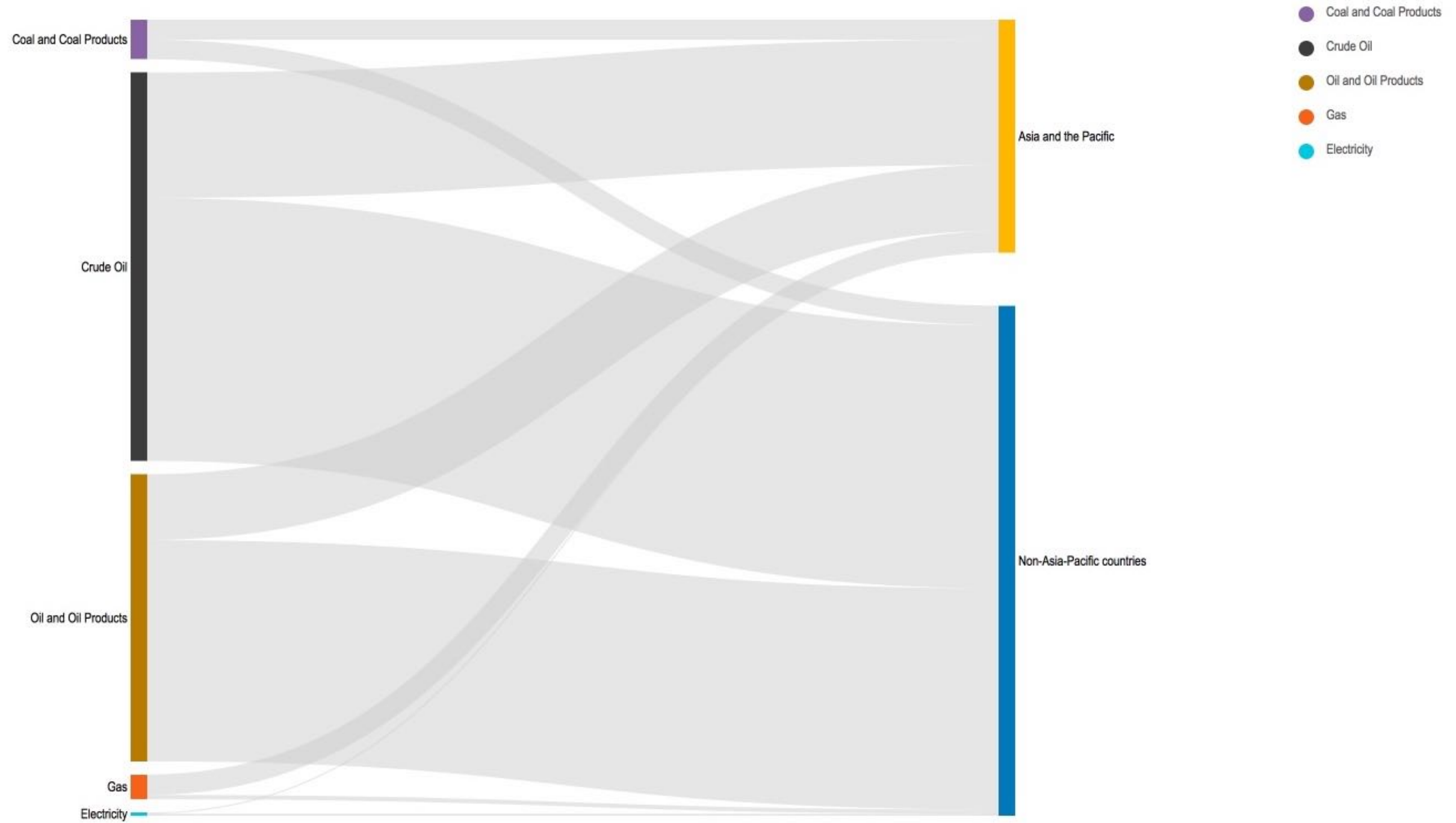
Coal and Coal Products	
Trade Value (USD)	463,114,464
Quantity (Kilograms)	4,915,639,377
Gas	
Trade Value (USD)	2,043,316,178
Quantity (Kilograms)	3,790,848,175
Oil and Oil Products	
Trade Value (USD)	18,885,453,419
Quantity (Kilograms)	35,761,278,889
Crude Oil	
Trade Value (USD)	1,545,644,007
Quantity (Kilograms)	2,865,567,368
Electricity	
Trade Value (USD)	1,409,508,253
Quantity (Thousands of kWh)	18,654

Source : UN Comtrade (<http://comtrade.un.org/>)

2015

ENERGY TRADE FLOW

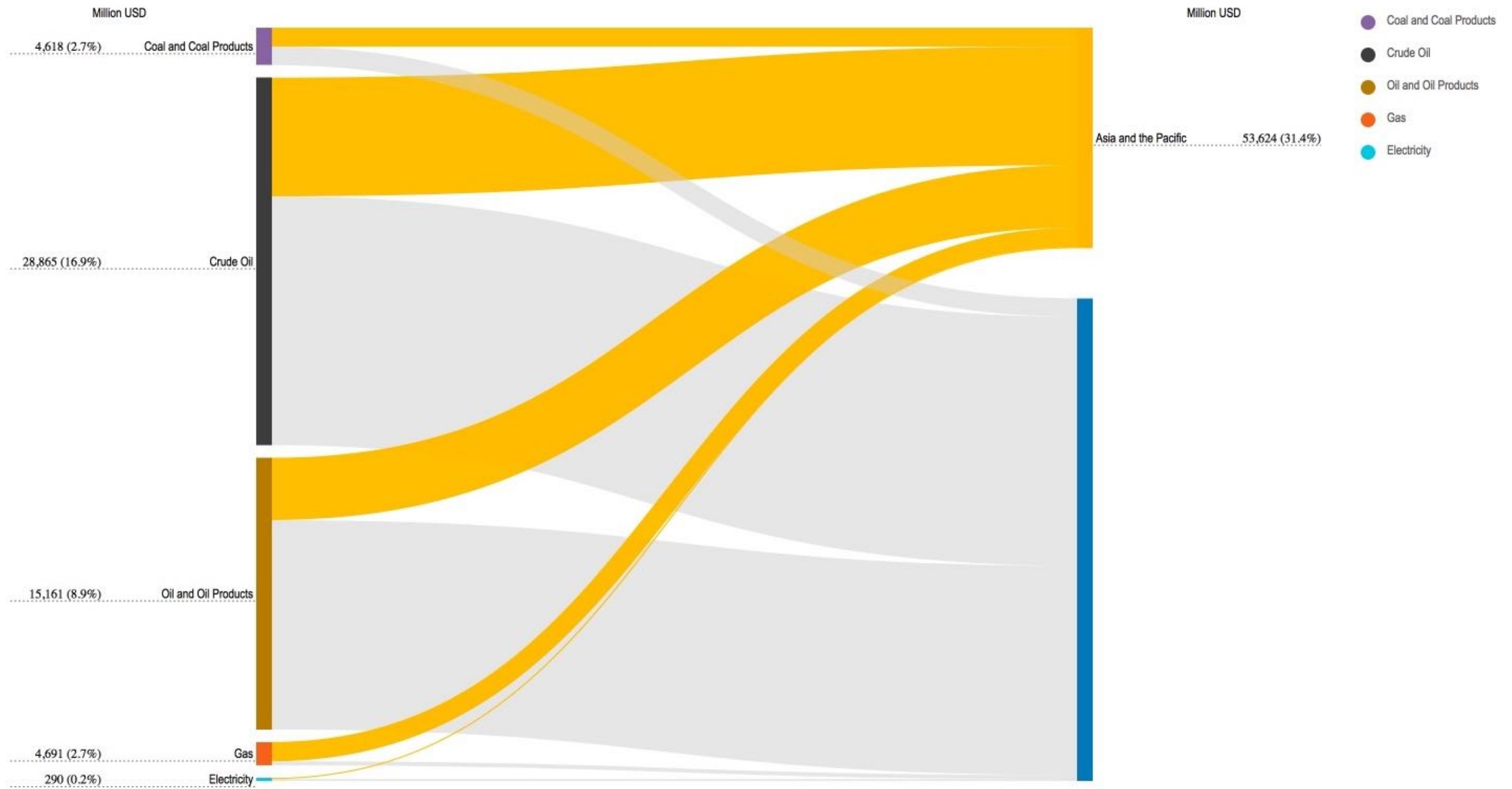
Russian Federation Energy Exports, 2015



Source : UN Comtrade (<http://comtrade.un.org/>)

2015

Russian Federation Energy Exports, 2015



Source : UN Comtrade (<http://comtrade.un.org/>)

2015

Show no data on legend

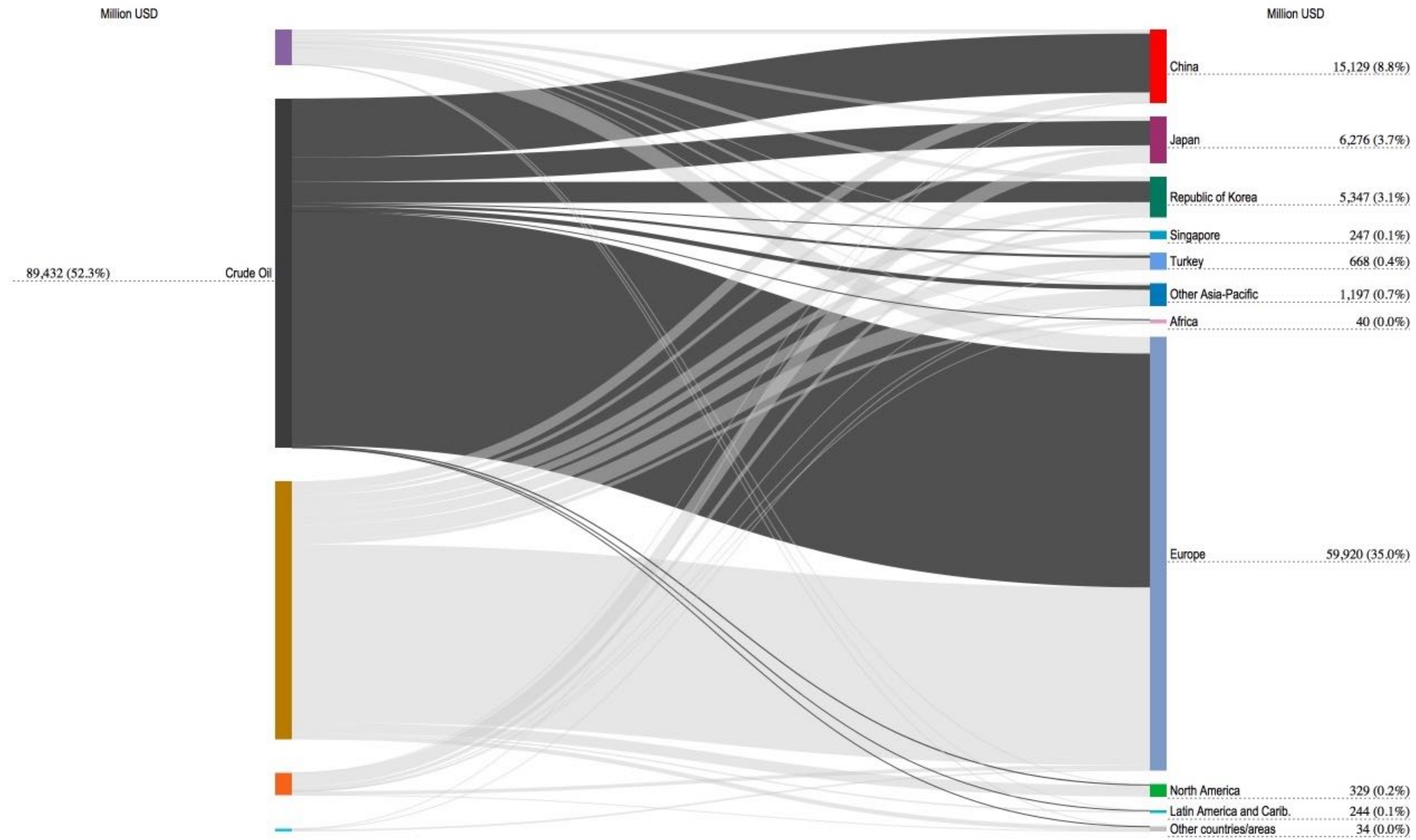
Asia-Pacific Countries/Non Asia-Pacific Global Regions

Trade Value



- Geography
- Data

Russian Federation Energy Exports, 2015



Source : UN Comtrade (<http://comtrade.un.org/>)

2015

AND MORE



REPORTER PARTNER EXPORTER GEO

PRODUCTS

Search

South-eastern Asia

Mineral fuels

Brunei Darussalam

Bitumen and asphalt

Cambodia

Bituminous mixtures based on natural asphalt; on natural bitumen

Indonesia

Coal gas

Lao People's Democratic Republic

Coal; briquettes

Malaysia

Coke and semi-coke; of coal

Myanmar

Electrical energy

Philippines

Lignite; whether or not agglomerated

Singapore

Oils and other products of the distillation of high temperature coal tar; similar products in which the weight of the aromatic constituents exceeds that of the non-aromatic constituents

Thailand

Peat; (including peat litter)

Timor-Leste

Petroleum coke

Viet Nam

Petroleum gases and other gaseous hydrocarbons

Petroleum jelly; paraffin wax

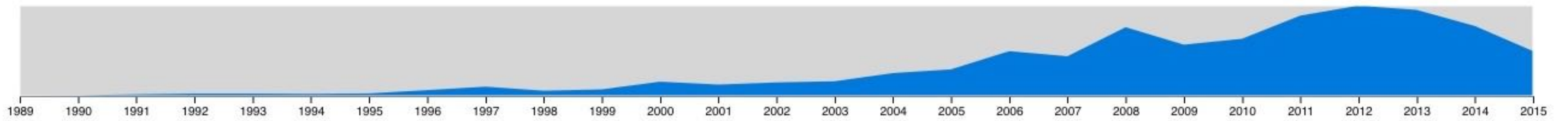
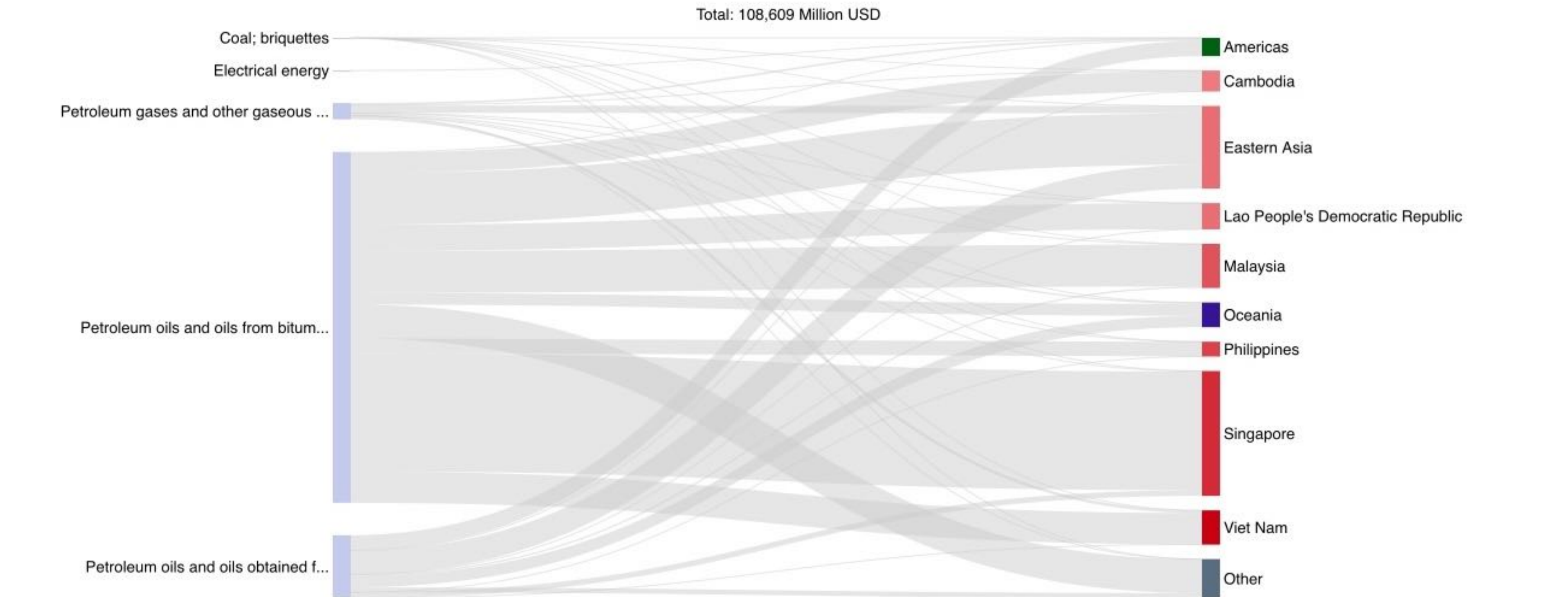
Petroleum oils and oils from bituminous minerals

Petroleum oils and oils obtained from bituminous minerals; crude

Pitch and pitch coke; obtained from coal tar or from other mineral tars

Exports from Thailand to Western Asia, Malaysia, Philippines, Singapore, Indonesia, Br...

Products Minerals, Animal, Petroleum gases and other gaseous hydrocarbons, Food Products, Mech and Elec, Metals, Stone and Glass, Vegetable, Hides and Skins, Wood, Mi...



Trend Line



Top 5 Products

1. Petroleum oils and oils from bituminous minerals	\$88,588
2. Petroleum oils and oils obtained from bituminous minerals; crude	\$15,858
3. Petroleum gases and other gaseous hydrocarbons	\$4,140

Top 5 Geo

1. Singapore	\$31,528
2. Eastern Asia	\$20,864
3. Malaysia	\$11,165
4. Viet Nam	\$8,665

REPORTER PARTNER EXPORTER GEO

PRODUCTS

Search

South-eastern Asia

Mineral fuels

Brunei Darussalam

Bitumen and asphalt

Cambodia

Bituminous mixtures based on natural asphalt; on natural bitumen

Indonesia

Coal gas

Lao People's Democratic Republic

Coal; briquettes

Malaysia

Coke and semi-coke; of coal

Myanmar

Electrical energy

Philippines

Lignite; whether or not agglomerated

Singapore

Oils and other products of the distillation of high temperature coal tar; similar products in which the weight of the aromatic constituents exceeds that of the non-aromatic constituents

Thailand

Timor-Leste

Viet Nam

Peat; (including peat litter)

Petroleum coke

Petroleum gases and other gaseous hydrocarbons

Petroleum jelly; paraffin wax

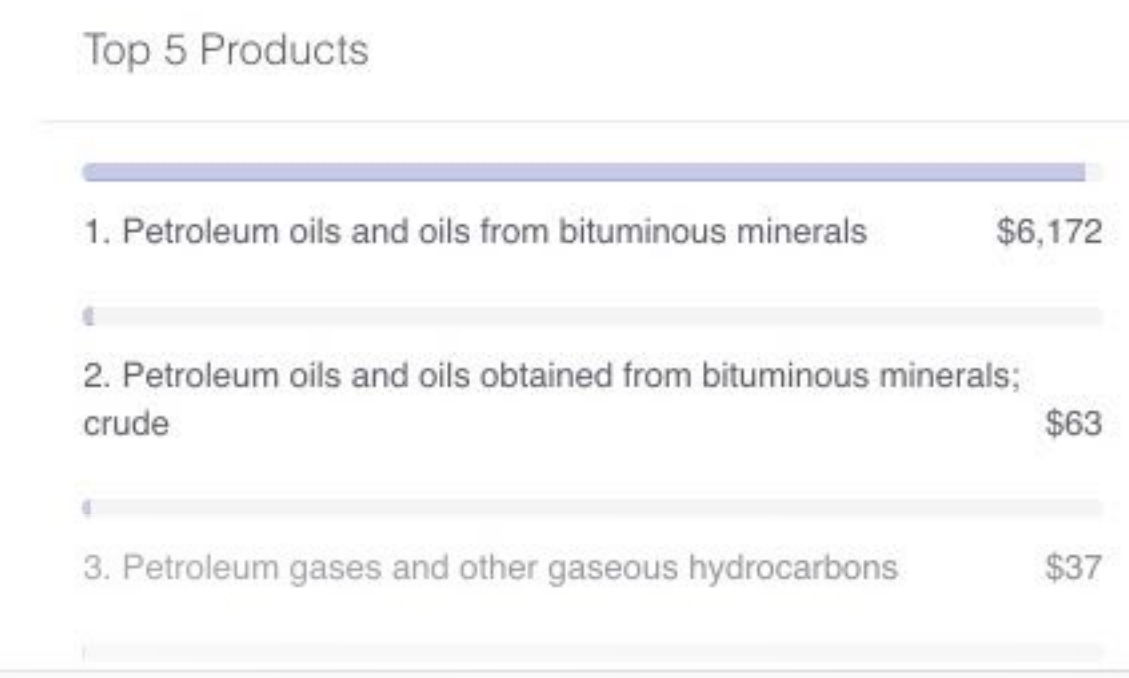
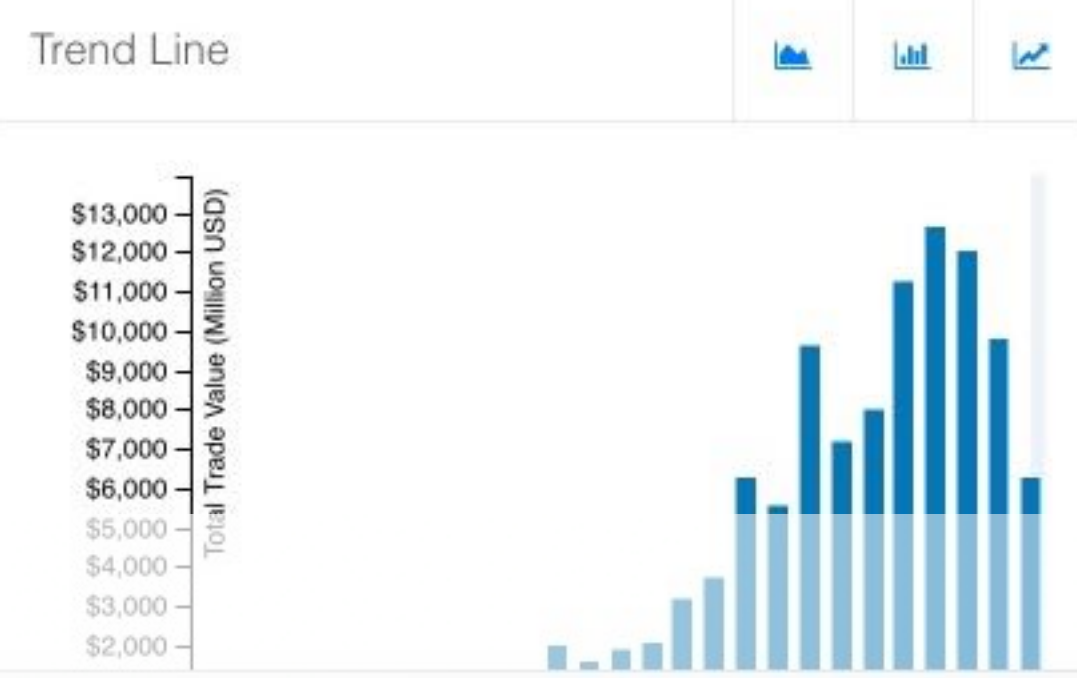
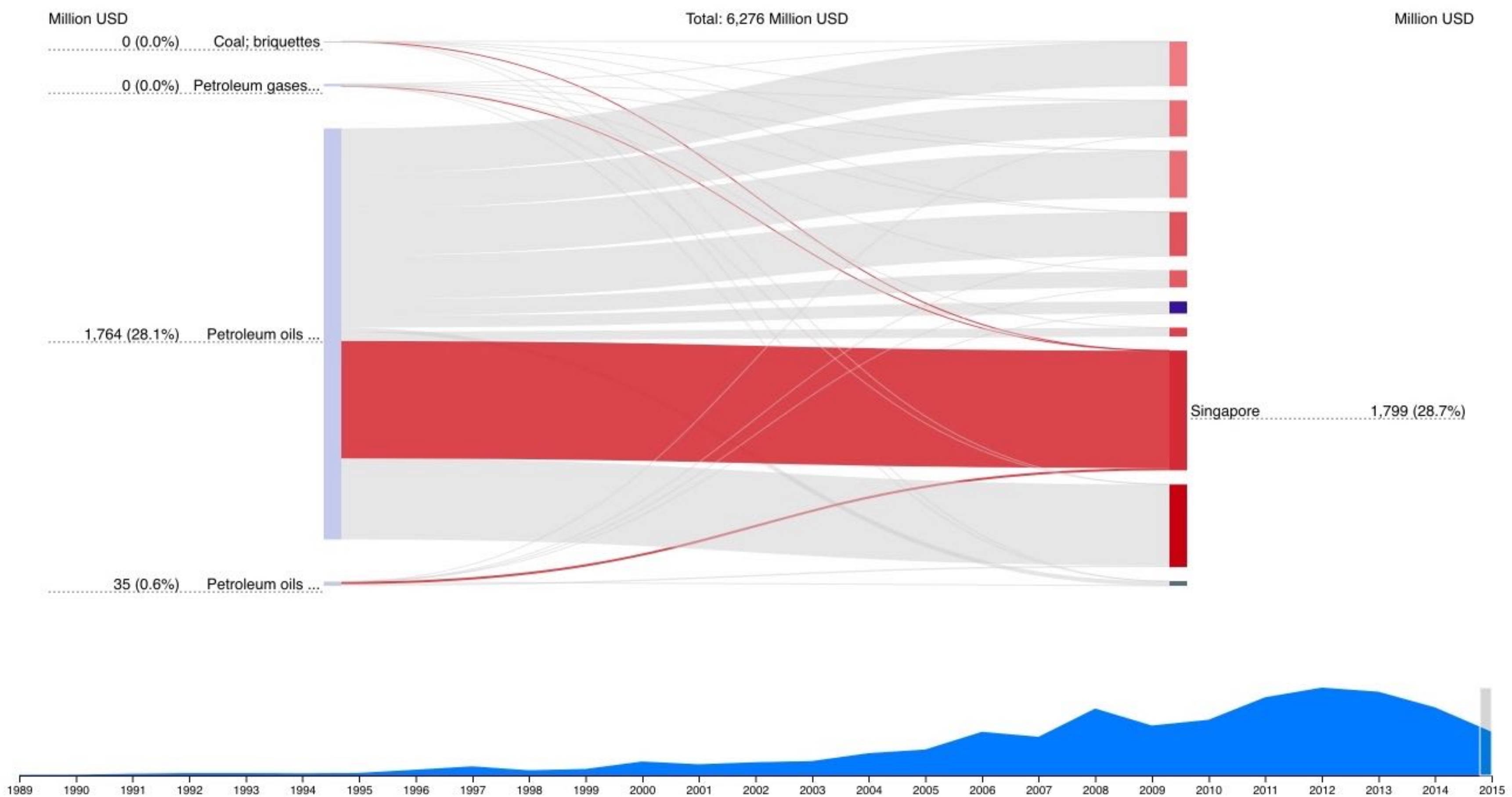
Petroleum oils and oils from bituminous minerals

Petroleum oils and oils obtained from bituminous minerals; crude

Pitch and pitch coke; obtained from coal tar or from other mineral tars

Exports from Thailand to Western Asia, Malaysia, Philippines, Singapore, Indonesia, Br...

Products Minerals, Animal, Petroleum gases and other gaseous hydrocarbons, Food Products, Mech and Elec, Metals, Stone and Glass, Vegetable, Hides and Skins, Wood, Mi...



COMTRADE DATA

Export of Mineral fuels within South-eastern Asia, 1989-2016

Heatmap		partner_code	qty	reporter_code	reporter_level	type	value							
Sum		year	partner											
product				2015										
reporter		Malaysia	Singapore	Indonesia	Thailand	Viet Nam	Myanmar	Philippines	Cambodia	Lao People's Democratic Republic	Brunei Darussalam	Totals		
Petroleum oils and oils from bituminous minerals	Singapore	10,681,768,156.00		7,743,003,585.00	610,659,622.00	2,164,261,463.00	1,138,782,960.00	778,814,724.00	270,921,955.00	128,586.00	89,648,738.00	23,477,989,839.00		
Petroleum oils and oils from bituminous minerals	Malaysia		4,465,153,468.00	1,629,026,691.00	108,007,547.00	381,896,008.00	269,483,308.00	178,123,563.00	14,697,282.00	12,421.00	33,691,034.00	7,080,094,352.00		
Petroleum oils and oils from bituminous minerals; crude	Thailand	661,316,947.00	1,764,035,021.00	32,516,978.00		1,216,372,808.00	243,293,755.00	134,479,861.00	670,948,848.00	703,434,246.00	374,799.00	5,426,836,283.00		
Petroleum oils and oils obtained from bituminous minerals; crude	Malaysia		803,923,431.00	371,912,866.00	1,710,854,581.00			227,795,068.00			9,146,395.00	3,123,632,361.00		
Petroleum gases and other gaseous hydrocarbons	Indonesia	286,057,334.00	2,786,173,989.00		26,274,487.00							3,098,505,810.00		
Petroleum oils and oils obtained from bituminous minerals; crude	Indonesia	249,364,519.00	770,007,336.00		875,904,141.00			4,117,600.00				1,899,393,596.00		
Petroleum oils and oils obtained from bituminous minerals; crude	Viet Nam	604,034,567.00	759,541,383.00		187,317,415.00							1,550,893,365.00		
Petroleum oils and oils obtained from bituminous minerals; crude	Brunei Darussalam	133,011,038.00	92,348,892.00	94,116,788.00	536,789,159.00	37,224,046.00						893,489,923.00		
Petroleum gases and other gaseous hydrocarbons	Malaysia		439,655,557.00	70,874,848.00	39,234,166.00	9,984.00	1,716.00	22,318,660.00			67,831.00	572,162,762.00		
Petroleum oils and oils from bituminous minerals	Viet Nam	25,286,440.00	31,541,332.00	2,256,984.00	1,855,352.00		817,825.00	908,333.00	376,384,194.00	68,585,489.00	21,910.00	507,657,859.00		
Petroleum oils and oils from bituminous minerals	Philippines	108,187,619.00	94,500,235.00	1,300,287.00	2,641,719.00	10,671,425.00			1,151,023.00		120,807.00	218,573,115.00		
Petroleum oils and oils from bituminous minerals	Indonesia	63,449,762.00	98,683,498.00		4,406,466.00	3,263,628.00	2,222,153.00	421,438.00	25,830.00		835.00	172,473,610.00		
Petroleum oils and oils obtained from bituminous minerals; crude	Philippines	30,904.00	66,904,441.00		62,368,842.00							129,304,187.00		
Petroleum gases and other gaseous hydrocarbons	Singapore	101,209,960.00		17,673,895.00	36,697.00	144,093.00	11,669.00	8,976,961.00	2,451.00		13,332.00	128,069,058.00		
Petroleum gases and other gaseous hydrocarbons	Viet Nam	40,581,497.00						33,583,298.00	48,112,198.00			122,276,993.00		
Petroleum gases and other gaseous hydrocarbons	Brunei Darussalam	79,069,276.00	437.00									79,069,713.00		
Petroleum oils and oils obtained from bituminous minerals; crude	Thailand	3,183,844.00	34,765,561.00	30.00		25,112,862.00	100.00					63,062,397.00		
Petroleum gases and other gaseous hydrocarbons	Thailand	1.00	2,311.00	2,532,833.00		8,533.00	15,407,018.00	2.00	2,368,292.00	3,685,697.00		24,004,687.00		
Petroleum oils and oils obtained from bituminous minerals; crude	Singapore	23,690.00		7,544.00		5,862.00		16,450,599.00			4.00	16,487,699.00		
Petroleum gases and other gaseous hydrocarbons	Philippines		17,744.00		813,525.00							831,269.00		
Petroleum oils and oils from bituminous minerals	Brunei Darussalam	131,390.00	21,692.00	545.00		12,797.00		487.00				166,911.00		
Totals		13,036,706,944.00	12,207,276,328.00	9,965,223,874.00	4,167,163,719.00	3,838,983,509.00	1,670,025,504.00	1,405,990,634.00	1,384,612,073.00	775,906,439.00	133,085,755.00	48,584,975,789.00		

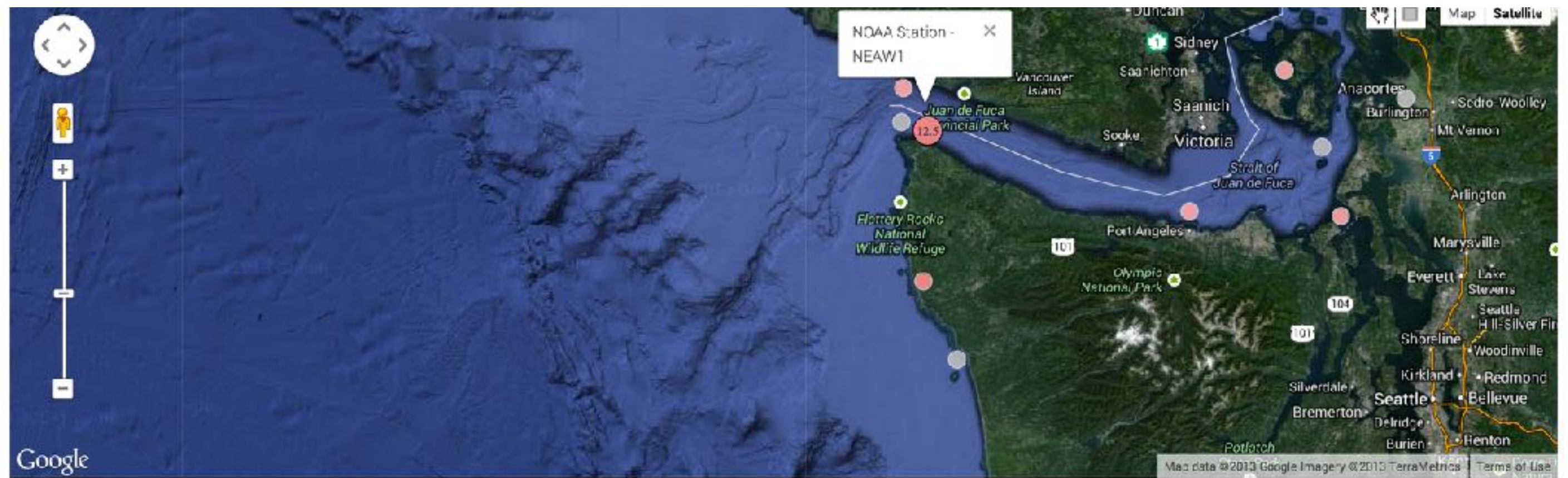
Heatmap		partner	partner_code	q.y	reporter_code	reporter_level	type	value					
Sum		year											
value													
product	reporter	year	2000	2005	2010	2011	2012	2013	2014	2015	2016	Totals	
Petroleum oils and oils from bituminous minerals	Singapore		3,588,348,598.00	11,207,958,135.00	23,730,241,992.00	27,773,652,957.00	38,732,963,080.00	36,984,757,708.00	37,401,069,315.00	23,497,856,309.00	20,897,075,923.00	223,813,924,017.00	
	Malaysia		849,501,490.00	2,786,198,465.00	4,913,444,959.00	6,823,072,190.00	10,226,677,125.00	12,472,393,329.00	13,009,368,773.00	7,096,064,069.00	7,636,549,381.00	65,813,269,781.00	
	Thailand		805,935,398.00	1,821,767,334.00	5,701,318,433.00	7,906,470,511.00	8,976,002,871.00	8,773,461,382.00	8,025,337,170.00	5,426,836,477.00		47,437,129,576.00	
Petroleum gases and other gaseous hydrocarbons	Indonesia		28,061,704.00	29,904,449.00	2,972,544,198.00	4,822,247,136.00	5,479,947,927.00	5,200,138,439.00	5,522,851,309.00	3,098,808,287.00	1,893,671,140.00	29,048,174,589.00	
Petroleum oils and oils obtained from bituminous minerals; crude	Malaysia		1,387,915,960.00	3,168,053,379.00	3,032,072,798.00	2,506,689,555.00	2,197,202,943.00	2,246,188,630.00	2,677,468,952.00	3,123,632,361.00	2,268,893,148.00	22,608,117,726.00	
Coal; briquettes	Indonesia		151,417,800.00	558,486,728.00	2,298,144,944.00	3,499,340,184.00	3,381,943,564.00	2,744,705,900.00	2,758,728,127.00	2,136,532,886.00	2,439,884,435.00	19,969,184,568.00	
Petroleum oils and oils obtained from bituminous minerals; crude	Indonesia		745,723,207.00	756,044,551.00	1,552,806,436.00	2,548,727,693.00	2,618,999,675.00	2,403,421,834.00	2,403,324,850.00	1,899,393,596.00	1,964,466,852.00	16,892,908,694.00	
	Viet Nam		954,711,000.00		1,630,262,007.00	1,228,543,130.00	1,908,827,084.00	1,803,802,803.00	2,005,308,251.00	1,550,893,365.00		11,082,347,640.00	
Petroleum oils and oils from bituminous minerals	Indonesia		371,099,087.00	446,898,935.00	1,543,486,717.00	2,119,241,202.00	1,077,515,569.00	600,249,765.00	773,631,671.00	175,557,380.00	178,511,406.00	7,286,191,732.00	
Petroleum gases and other gaseous hydrocarbons	Malaysia		294,329,716.00	459,537,138.00	843,239,371.00	928,249,198.00	1,145,745,565.00	1,372,120,128.00	1,026,933,746.00	572,162,762.00	436,171,570.00	7,078,489,194.00	
Petroleum oils and oils obtained from bituminous minerals; crude	Brunei Darussalam						1,540,712,376.00	1,663,428,854.00	1,554,302,878.00	893,489,923.00		5,651,934,031.00	
Petroleum oils and oils from bituminous minerals	Viet Nam		116,324,000.00	247,231,505.00	730,340,862.00	1,042,132,755.00	1,020,198,834.00	837,177,122.00	677,864,097.00	507,657,859.00		5,178,927,034.00	
	Philippines		209,365,266.00	190,521,409.00	148,538,094.00	490,662,134.00	282,514,233.00	677,475,409.00	440,413,261.00	218,573,115.00	102,740,942.00	2,760,803,863.00	
Petroleum gases and other gaseous hydrocarbons	Singapore		168,927,013.00	203,615,877.00	175,046,109.00	200,478,237.00	258,085,882.00	156,280,236.00	184,208,722.00	128,069,058.00	85,267,477.00	1,559,978,611.00	
Petroleum oils and oils obtained from bituminous minerals; crude	Thailand		165,154,702.00	351,443,365.00	176,259,338.00	190,864,729.00	209,654,003.00	211,791,529.00	78,386,624.00	63,062,397.00		1,446,616,687.00	
	Philippines		54.00	104,854,294.00	22,648,000.00	72,277,544.00	70,246,538.00	142,090,896.00	479,927,364.00	129,304,187.00	108,823,368.00	1,130,172,245.00	
Petroleum gases and other gaseous hydrocarbons	Brunei Darussalam						9,940.00	694,001,951.00	189,727,718.00	79,069,713.00		962,809,322.00	
Coal; briquettes	Viet Nam		22,290,000.00	33,245,064.00	73,433,926.00	95,237,022.00	60,944,102.00	67,373,249.00	56,535,490.00	51,445,889.00		460,504,742.00	
Petroleum gases and other gaseous hydrocarbons	Viet Nam			1,454,919.00	6,669,129.00	12,736,308.00	7,923,998.00	46,079,851.00	218,828,969.00	122,276,993.00		415,970,167.00	
	Thailand		32,021,363.00	223,235,499.00	18,914,239.00	15,433,351.00	12,824,540.00	6,743,105.00	3,081,022.00	24,004,687.00		336,257,806.00	
Coal; briquettes	Philippines				20,733,782.00	3,350,000.00	6,764,592.00	31,877,670.00	93,331,919.00	13,508,351.00	11,530,839.00	181,097,153.00	
Petroleum gases and other gaseous hydrocarbons	Philippines		12,004,235.00	5,236,249.00	60,571,881.00	42,961,512.00	3,596,354.00	40,658,835.00		831,269.00	2,692,296.00	168,552,631.00	
Coal; briquettes	Malaysia		133,158.00	209,658.00	1,327,067.00	2,395,011.00	6,882,749.00	6,154,219.00	10,579,971.00	8,213,684.00	8,474,372.00	44,369,889.00	
Petroleum oils and oils obtained from bituminous minerals; crude	Singapore			14,109,256.00	10,083,280.00	396,765.00	104,357.00	267,766.00	117,824.00	16,487,699.00	34,859.00	41,601,806.00	
Coal; briquettes	Thailand		15,321.00	1,648,521.00	1,808,718.00	1,584,869.00	889,166.00	992,583.00	3,440,616.00	1,632,284.00		12,012,078.00	
	Singapore		29,797.00	14,955.00	187,881.00	320,736.00	149,747.00	583,822.00	650,236.00	38,259.00	113,949.00	2,089,382.00	
Petroleum oils and oils from bituminous minerals	Brunei Darussalam						104,755.00	365,420.00	303,757.00	166,911.00		940,843.00	
Electrical energy	Malaysia		777,176.00									777,176.00	
Totals			9,904,086,045.00	22,611,669,685.00	49,664,124,161.00	62,327,064,729.00	79,227,431,569.00	79,184,582,435.00	79,595,722,632.00	50,835,569,770.00	38,034,901,957.00	471,385,152,983.00	

Faceted Search

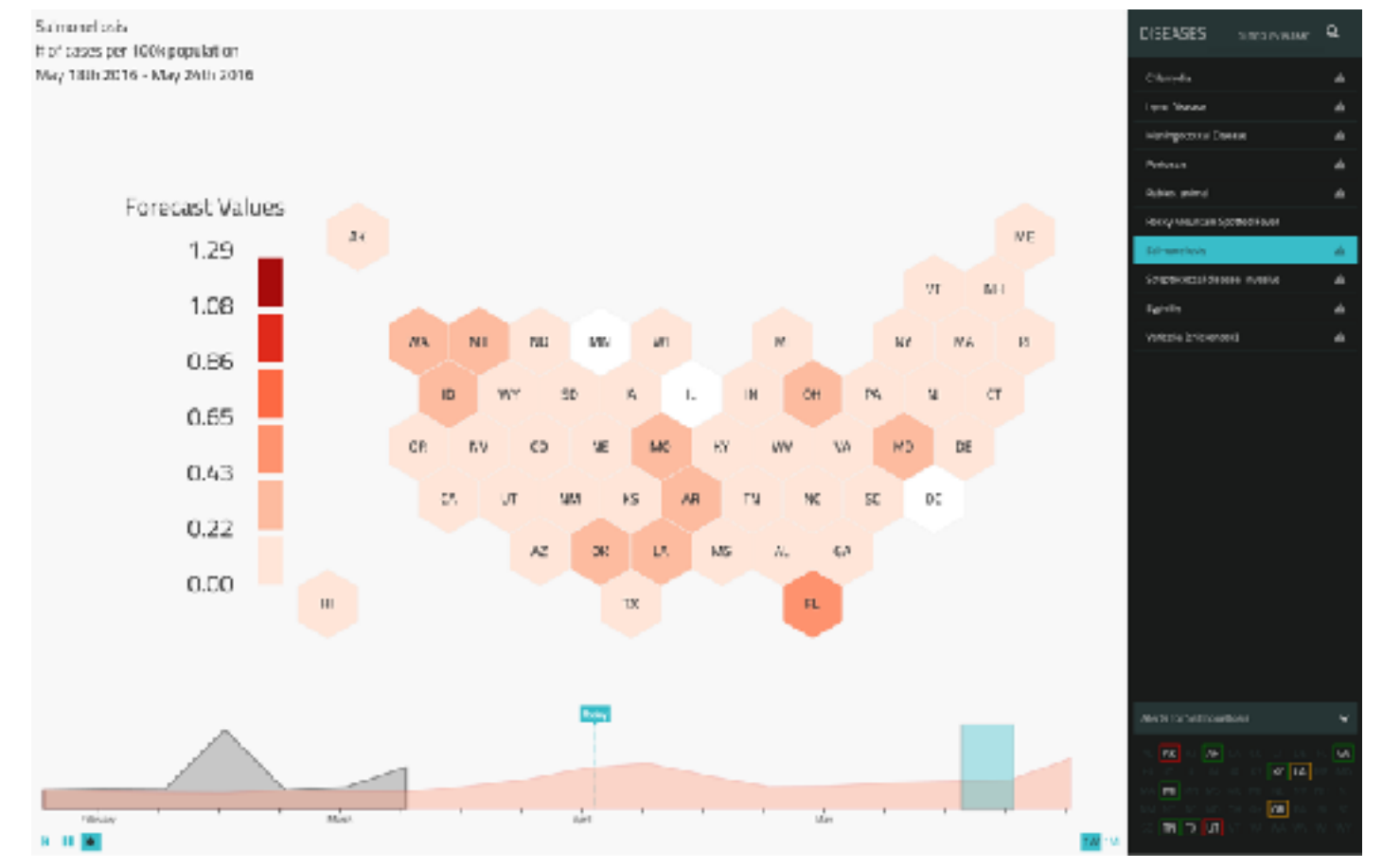
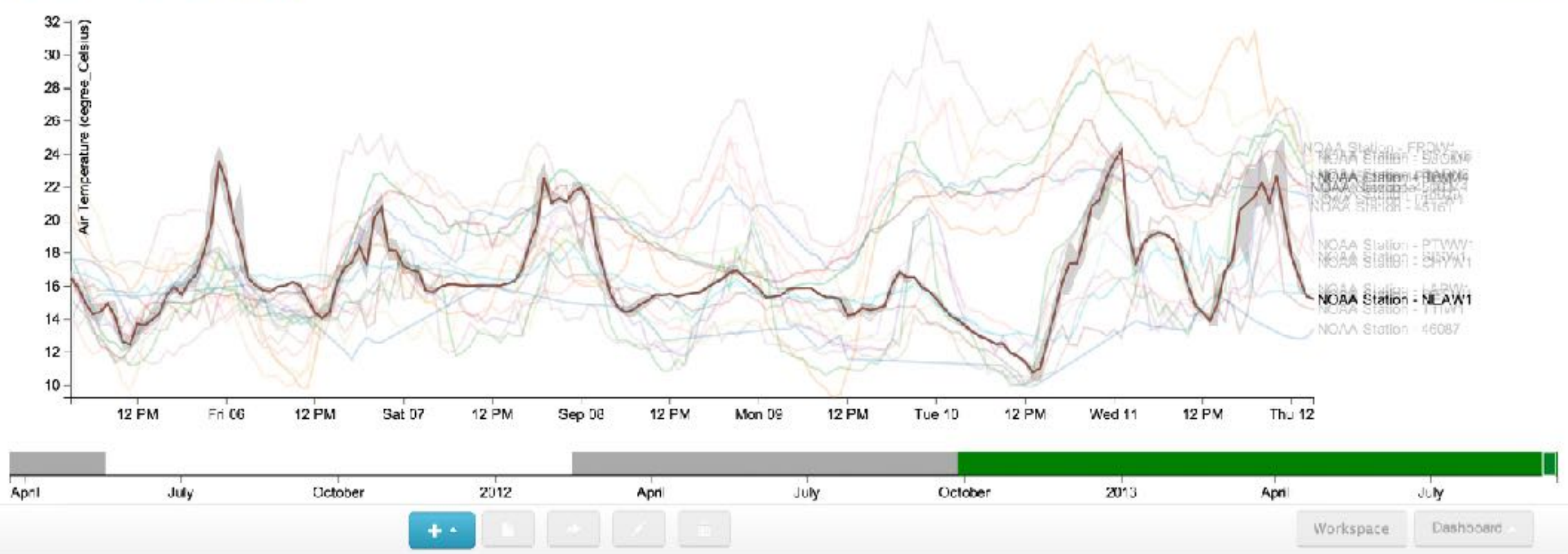
Data Source
Public 22

Organization
NOAA 20
WHOI 2

Parameter
Air Pressure (hPa) 17
Air Temperature (degree_Celsius) 22
Dew Point Temperature (degree_Celsius) 3
Dominant Wave Period (seconds) 2
Sea Surface Temperature (degree_Celsius) 10
Wave Height (meters) 4
Wind Direction (degrees_true) 20
Wind Gust Speed (meters/second) 17
Wind Speed (meters/second) 20



1d | 5d | 1w | 1m | 3m | 6m | 1y
Air Temperature (degree_Celsius) | 2013-09-05 03:00 - 2013-09-12 03:00 | hourly



AND MORE



THINK BLUE DATA

info@thinkbluedata.com