



INCONTRO-DIBATTITO

Giganteschi investimenti statali e privati
per la TRANSIZIONE ENERGETICA
Quali le conseguenze per i lavoratori?

Martedì 23 novembre - ore 21

CASA DELLE ASSOCIAZIONI E DEL VOLONTARIATO
Via MIRAMARE 9 – MM1 Sesto Marelli





DAL SITO

International Energy Agency (IEA)

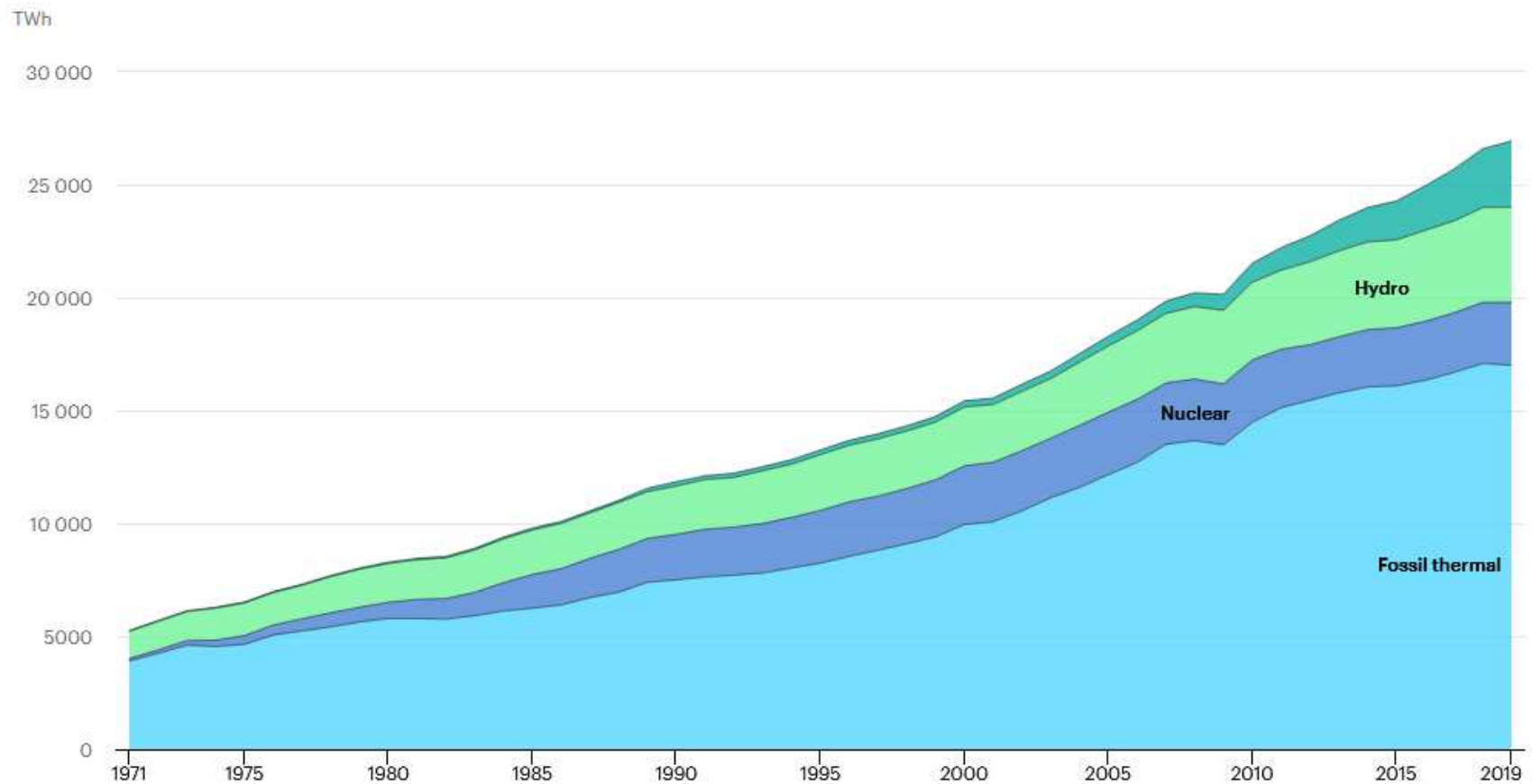
Considerazioni sulla produzione di energia negli ultimi 50 anni



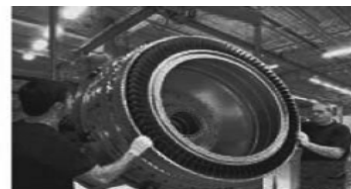
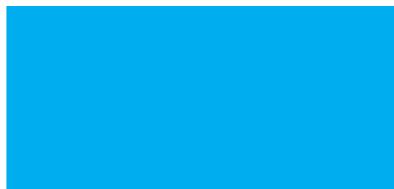
**International
Energy Agency**



World electricity generation by fuel, 1971-2019



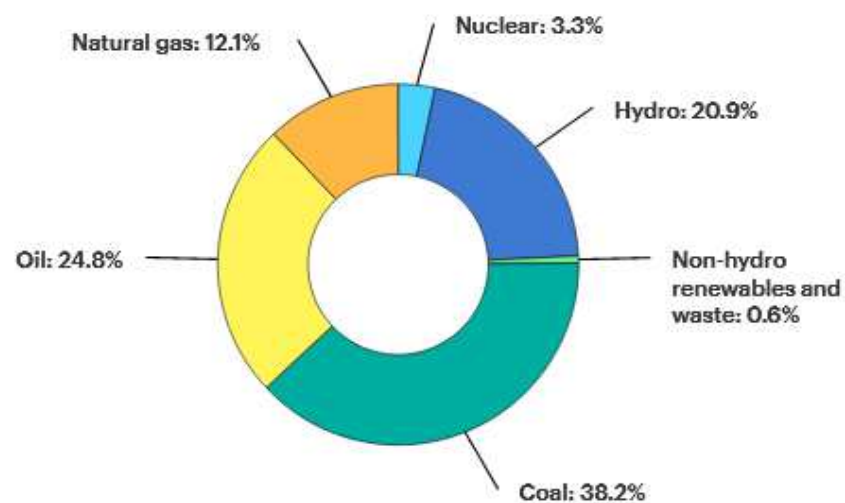
IEA. All I



Global share of electricity generation, 1973

TWh

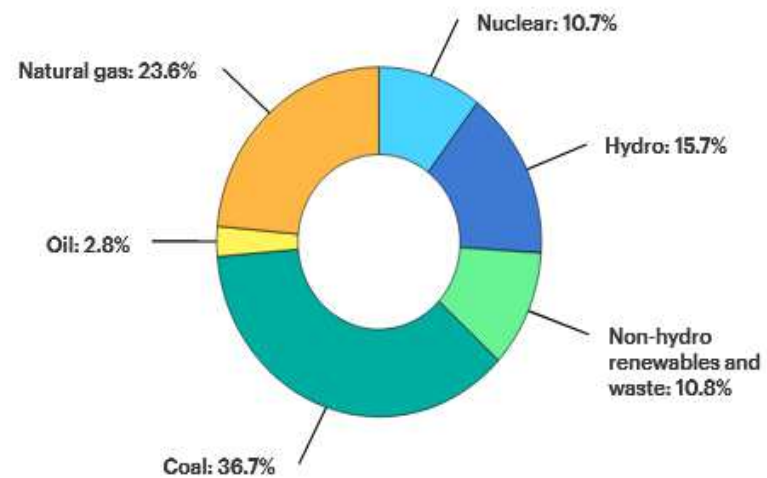
World total electricity generation: 6 131 TWh



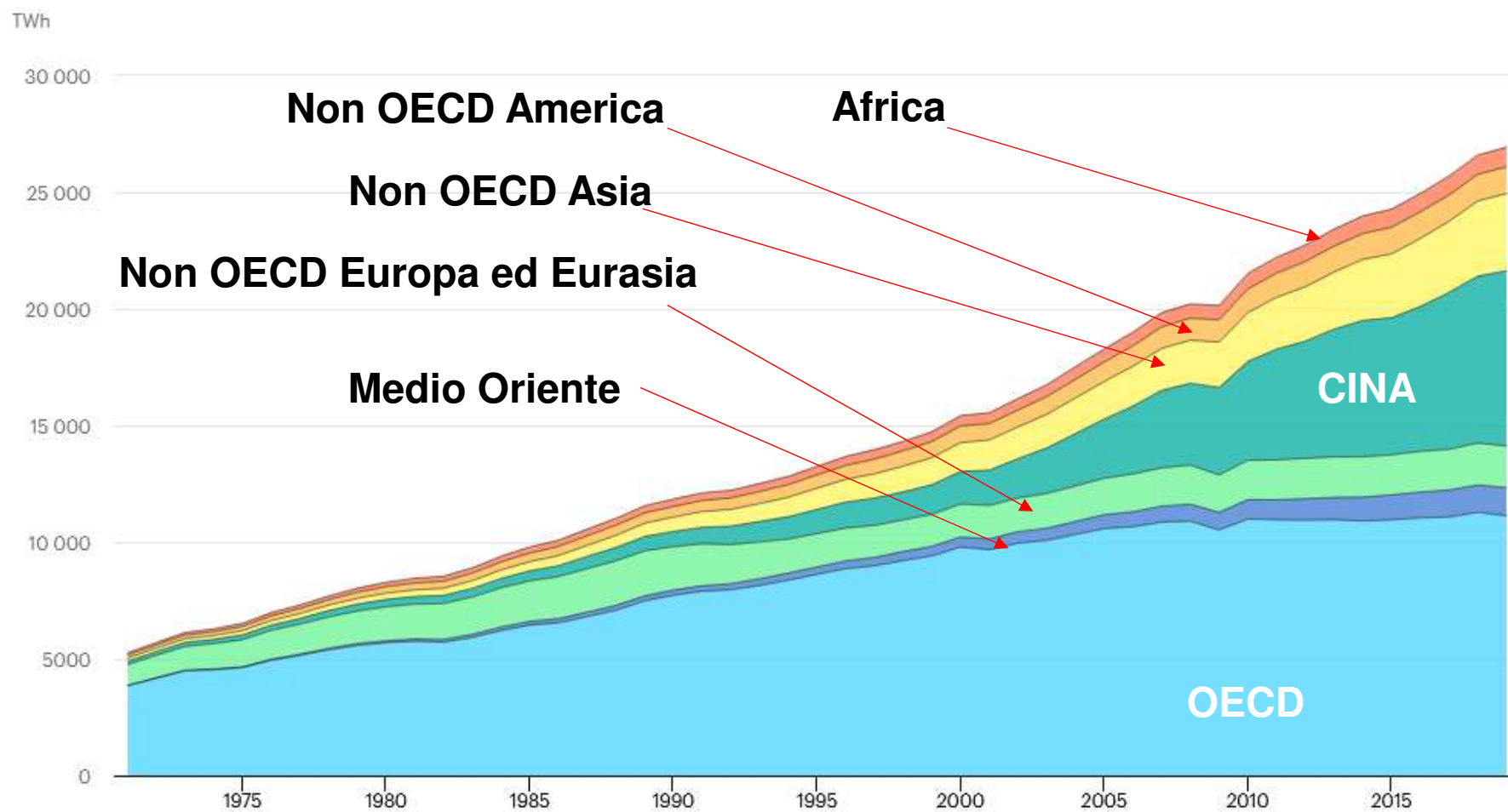
Global share of electricity generation, 2019

TWh

World total electricity generation: 26 936 TWh



World electricity generation by region, 1971-2019



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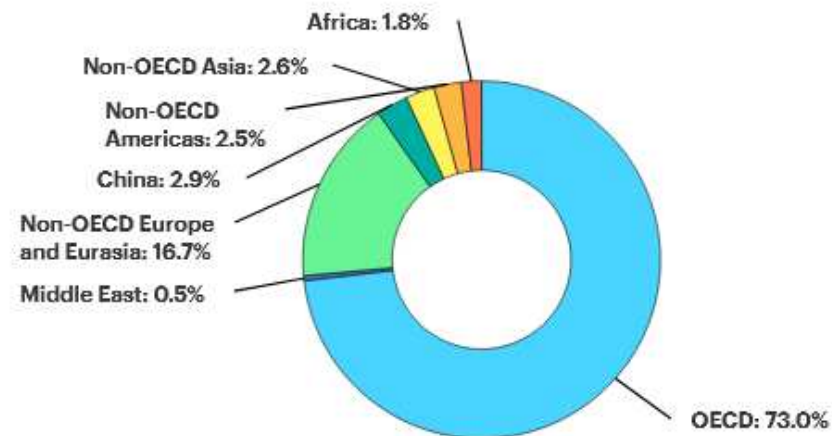
● OECD ● Middle East ● Non-OECD Europe and Eurasia ● China ● Non-OECD Asia ● Non-OECD Americas ● Africa



Regional share of electricity generation, 1973

TWh

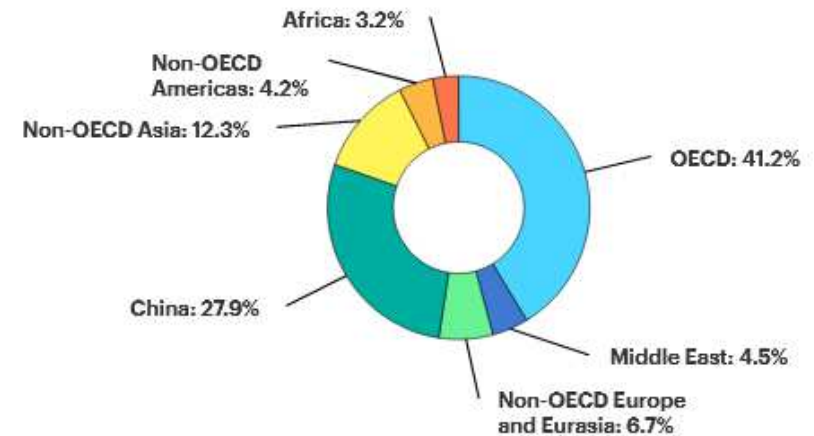
Total electricity generation: 6131 TWh



Regional share of electricity generation, 2019

TWh

Total electricity generation: 26 936 TWh



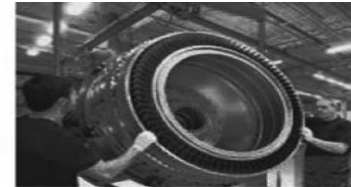
Producers of electricity by source

COAL	TWh	%
People's Rep. Of China	4.876	49%
India	1.181	12%
United States	1.070	11%
Japan	329	3%
Korea	246	2%
South Africa	222	2%
Russian Federation	188	2%
Rest of the world	1.802	18%
World	9.914	100%

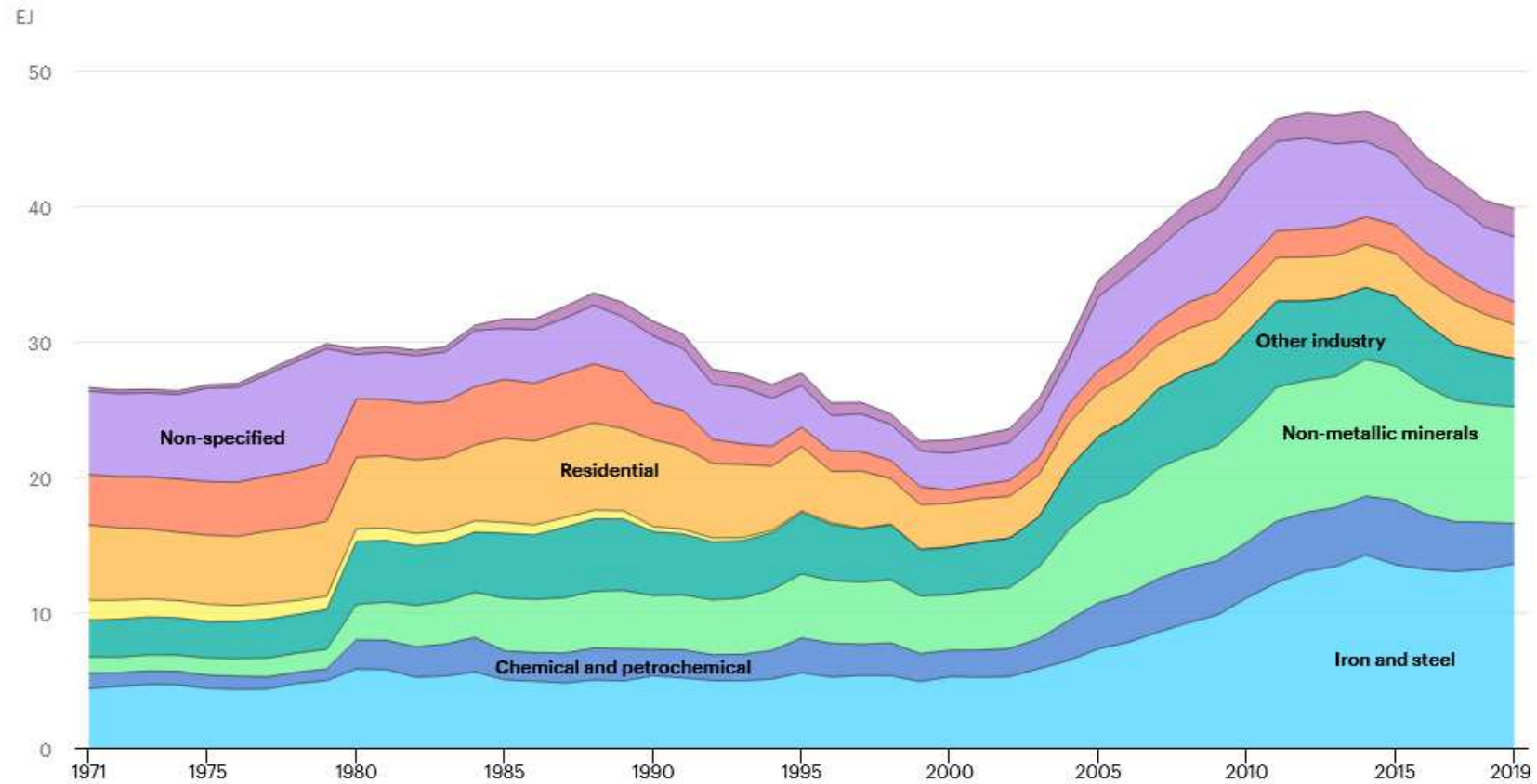
NATURAL GAS	TWh	%
United States	1.640	26%
Russian Federation	514	8%
Japan	385	6%
Islamic Rep. of Iran	270	4%
Saudi Arabia	217	3%
People's Rep. Of China	213	3%
Mexico	193	3%
Rest of the world	2.914	46%
World	6.346	100%

RENEWABLES	TWh	%
People's Rep. Of China	2.015	29%
United States	767	11%
Brazil	515	7%
Canada	427	6%
India	325	5%
Germany	242	3%
Russian Federation	197	3%
Rest of the world	2.526	36%
World	7.014	100%

OIL	TWh	%
Saudi Arabia	168	22%
Mexico	45	6%
Iraq	41	5%
Japan	36	5%
United States	36	5%
Kwait	28	4%
Islamic Rep. of Iran	28	4%
Rest of the world	365	49%
World	747	100%



Coal total final consumption by sector, 1971-2019

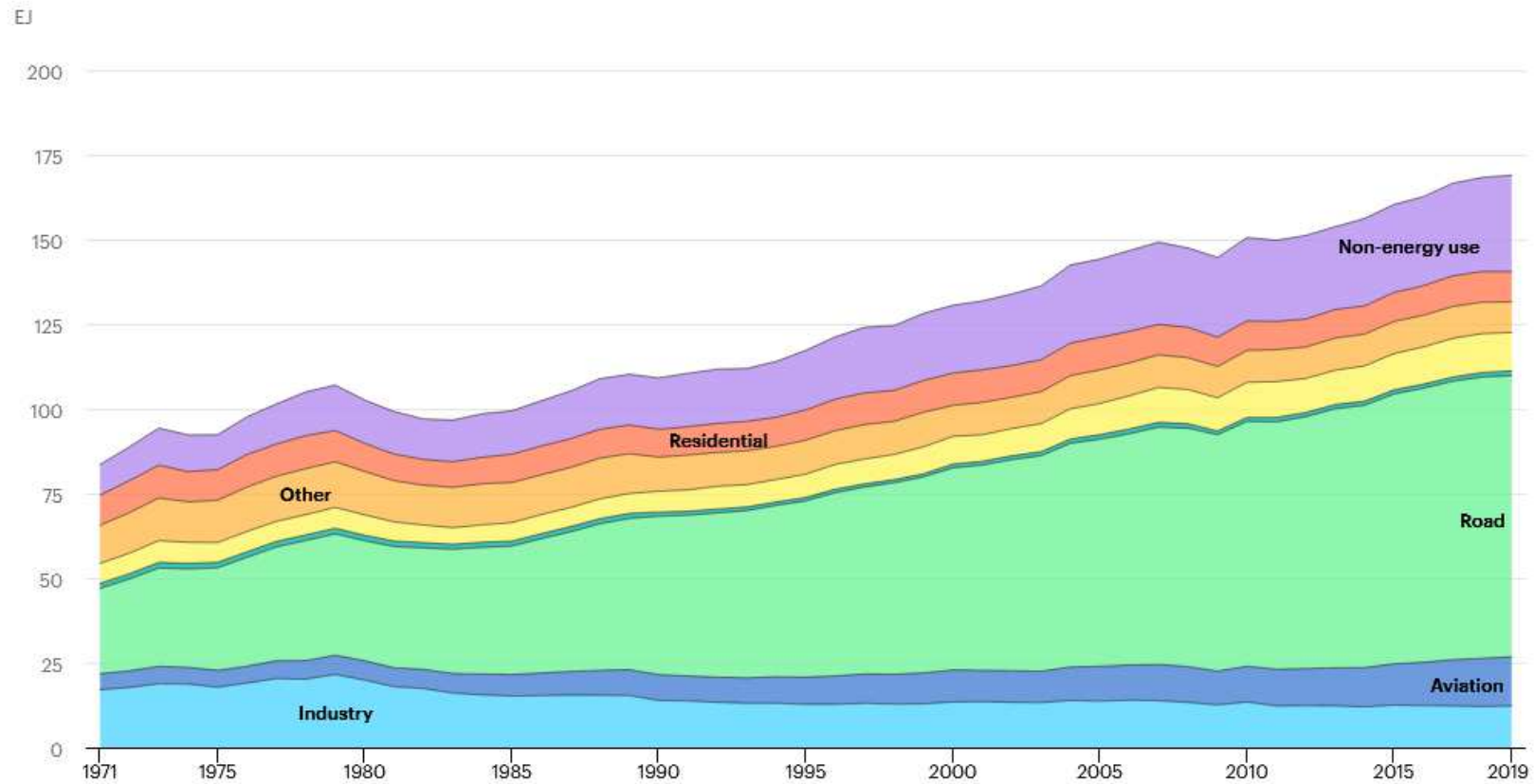


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Iron and steel Chemical and petrochemical Non-metallic minerals Other industry Transport Residential Services agriculture and fishing Non-specified Non-energy use

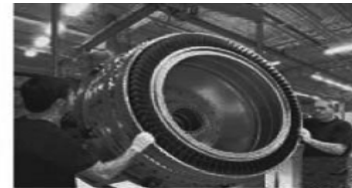


Oil total final consumption by sector, 1971-2019

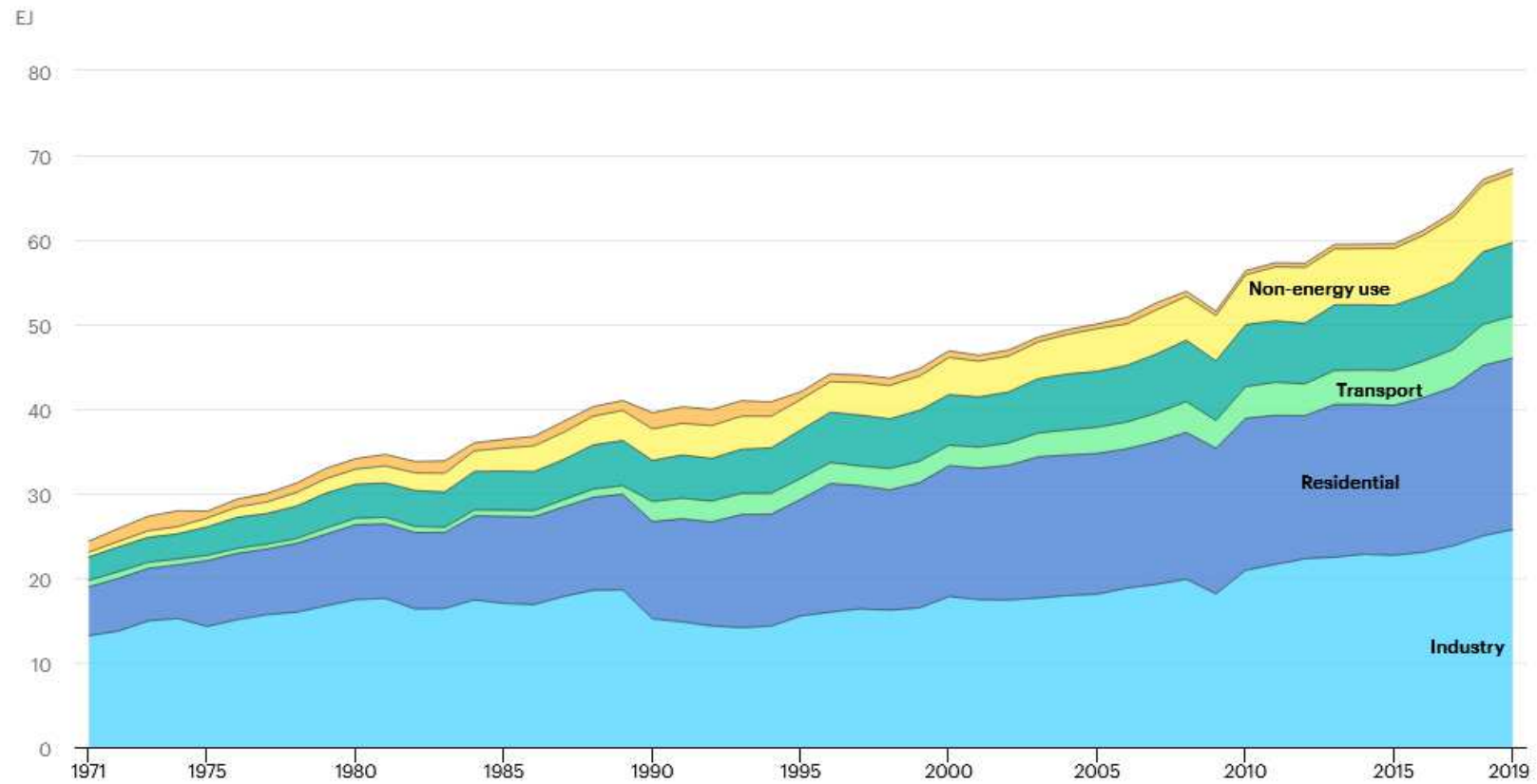


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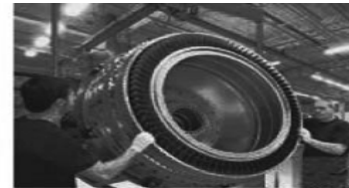
● Industry ● Aviation ● Road ● Rail ● Navigation ● Other ● Residential ● Non-energy use



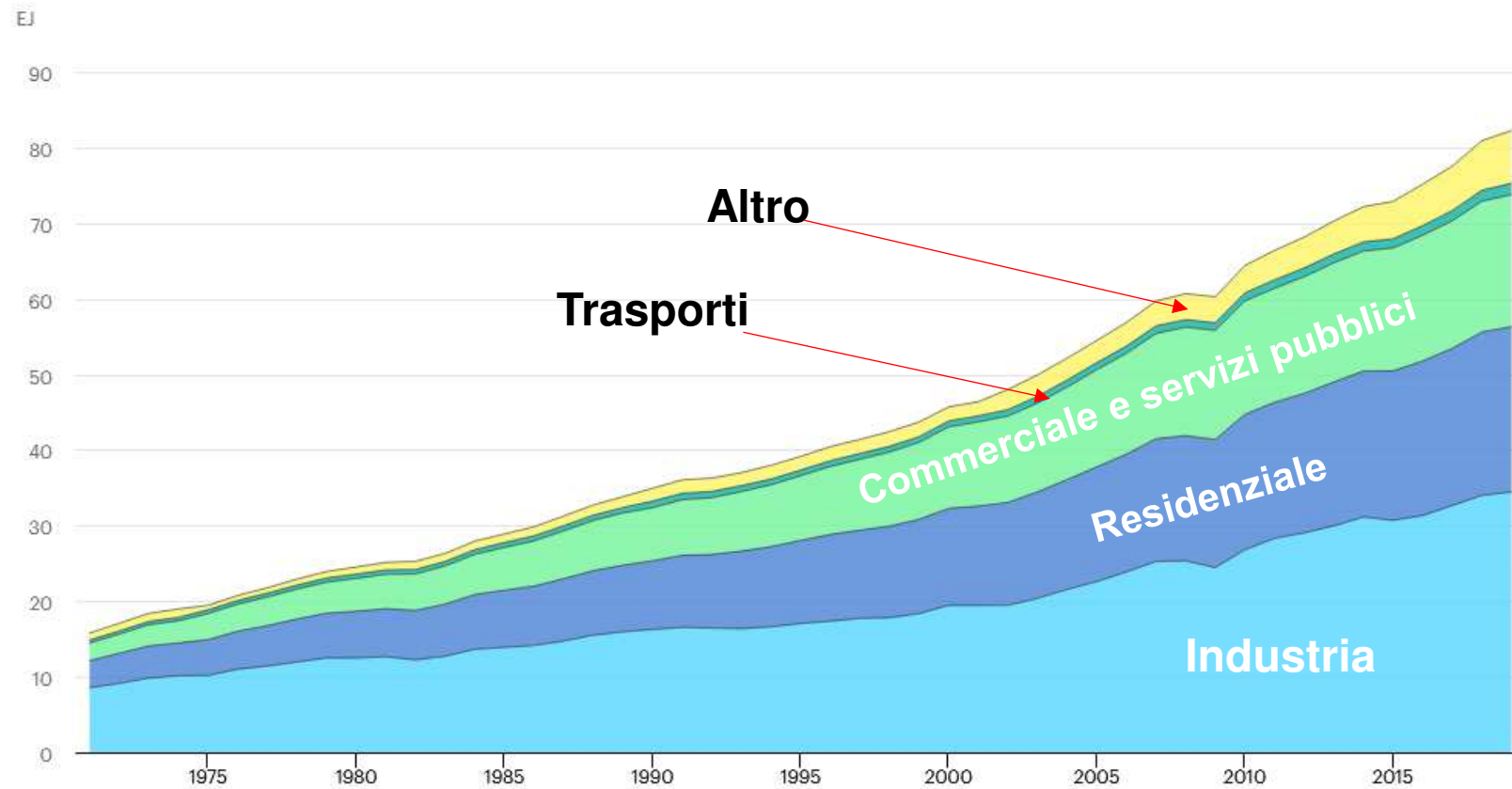
Natural gas total final consumption by sector, 1971-2019



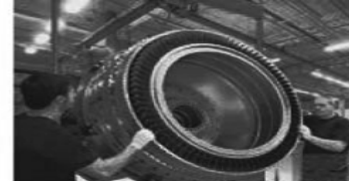
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Electricity total final consumption by sector, 1971-2019

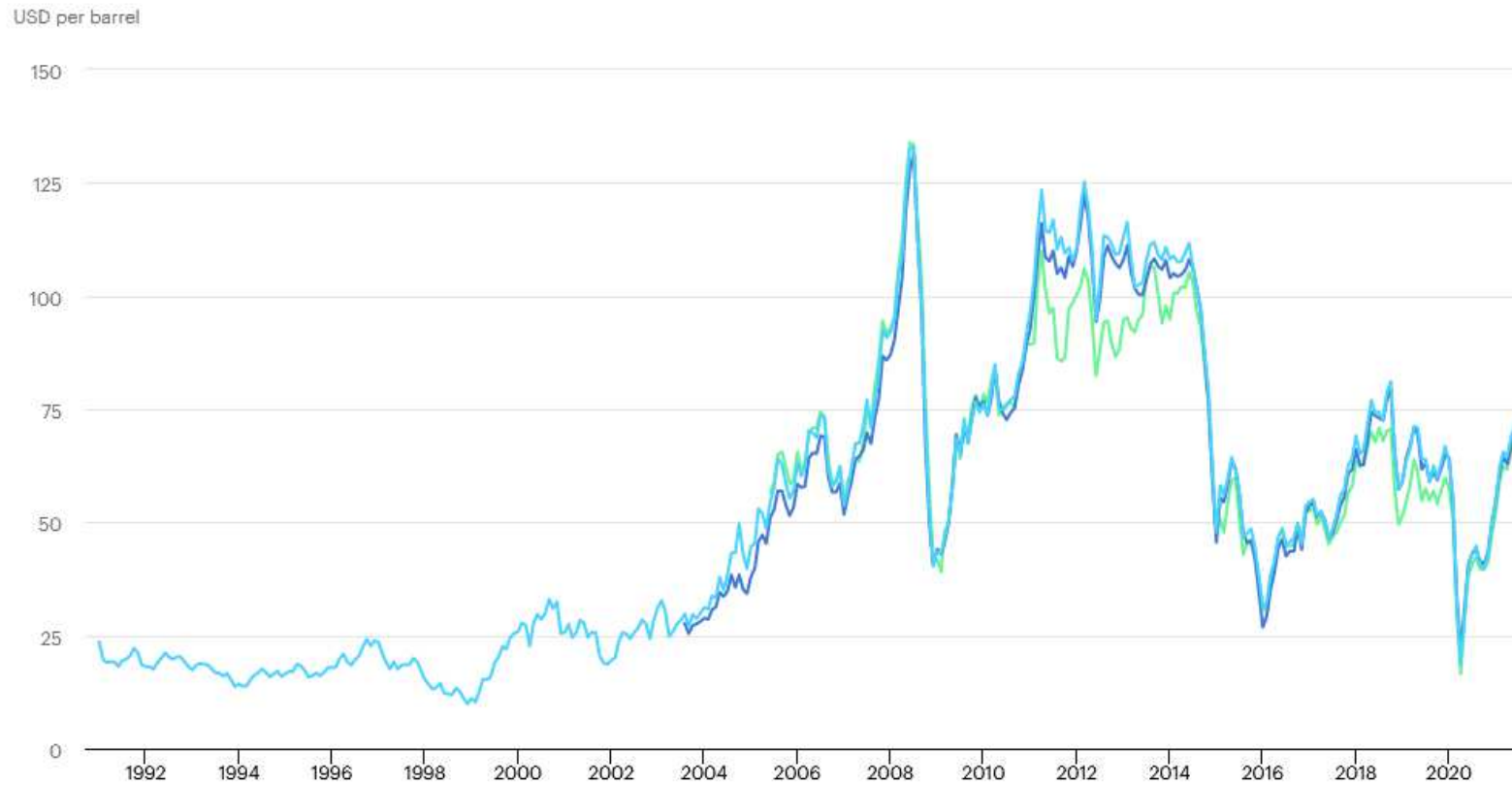


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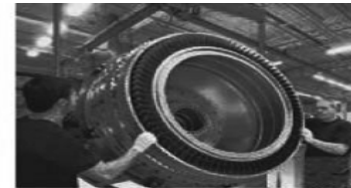
Average key crude oil spot prices, January 1991-June 2021

11

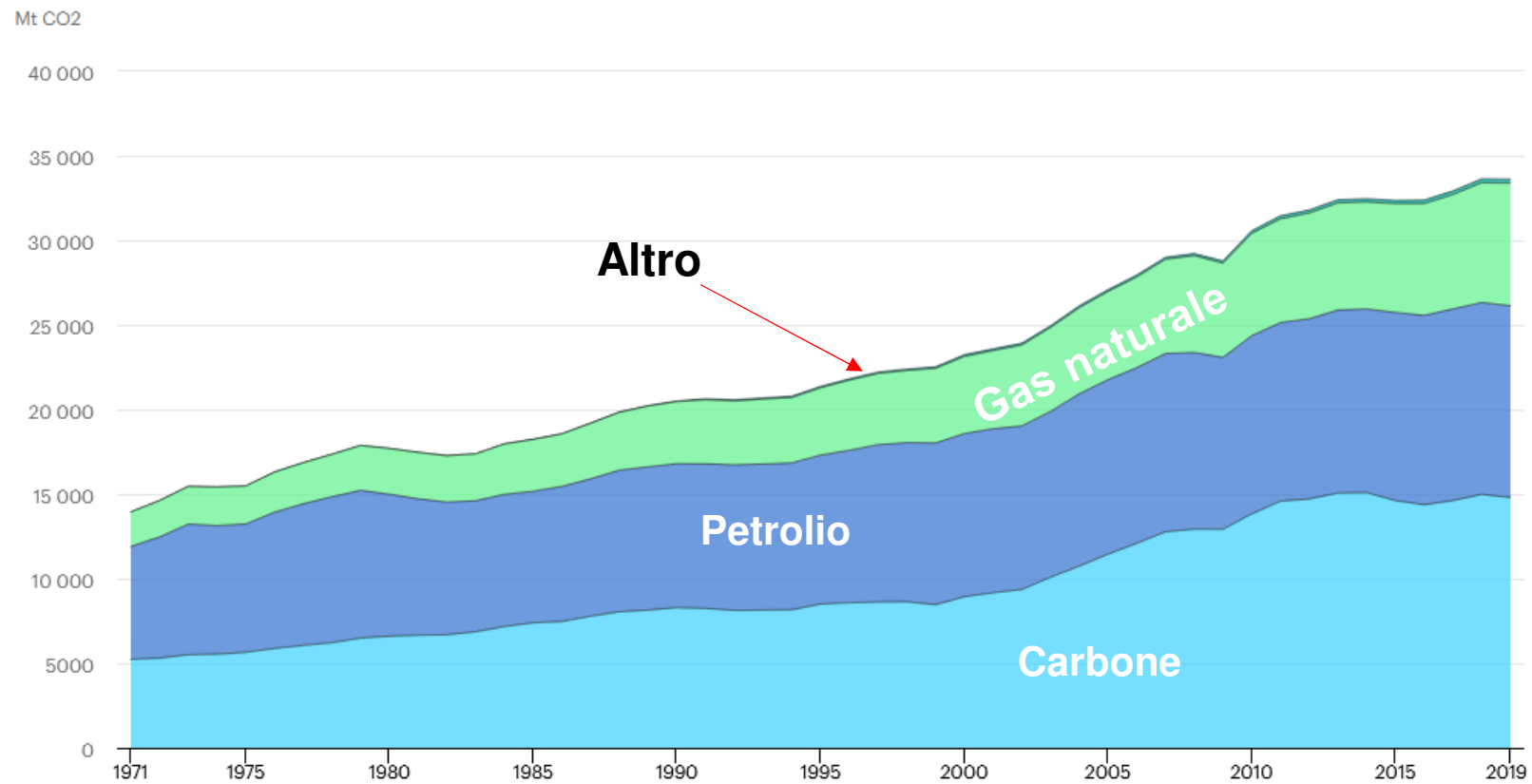


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● North Sea ● Dubai ● WTI



World CO2 emissions from fuel combustion by fuel, 1971-2019

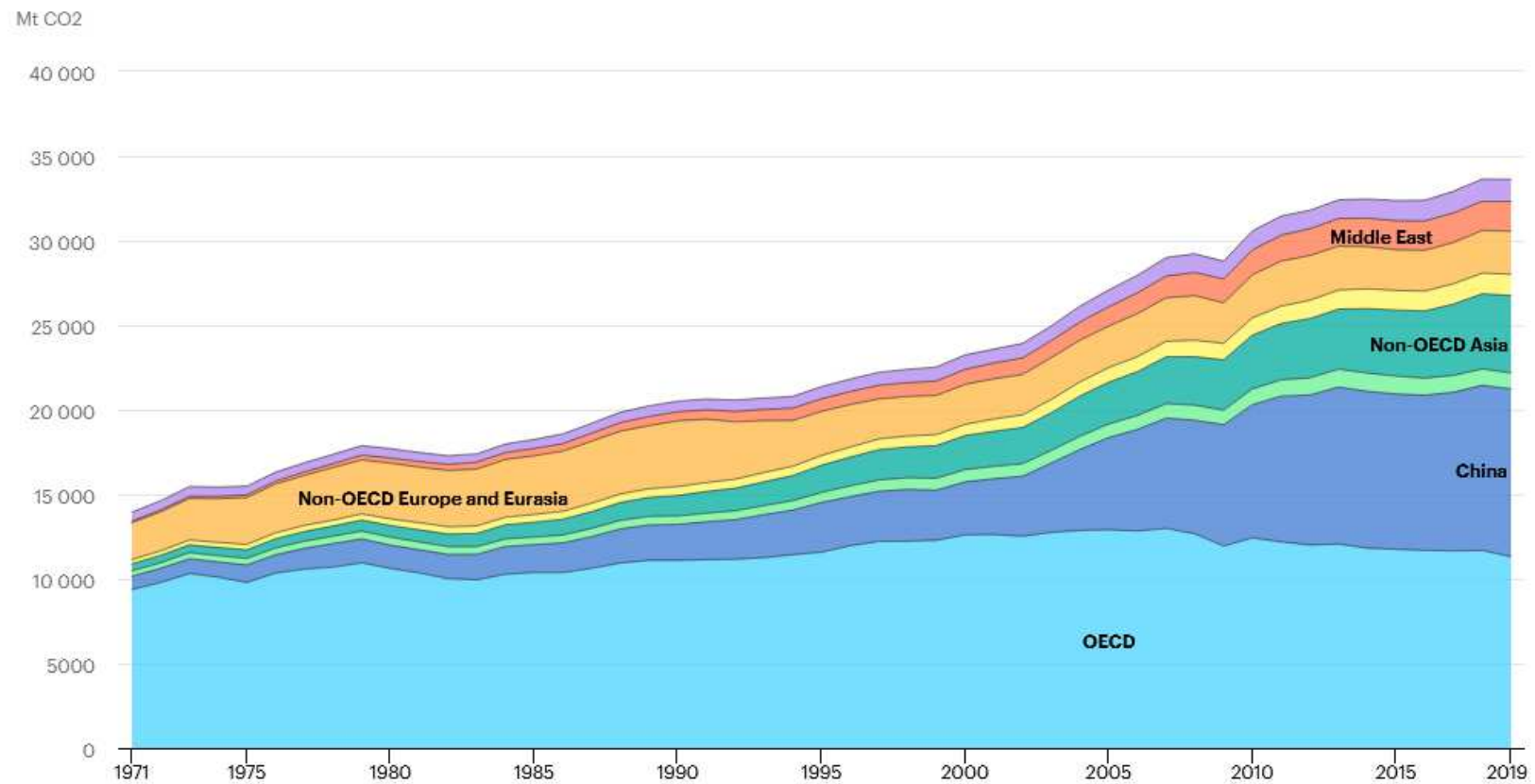


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● Coal ● Oil ● Natural gas ● Other

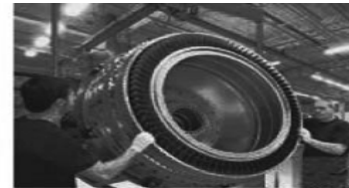


World CO2 emissions from fuel combustion by region, 1971-2019



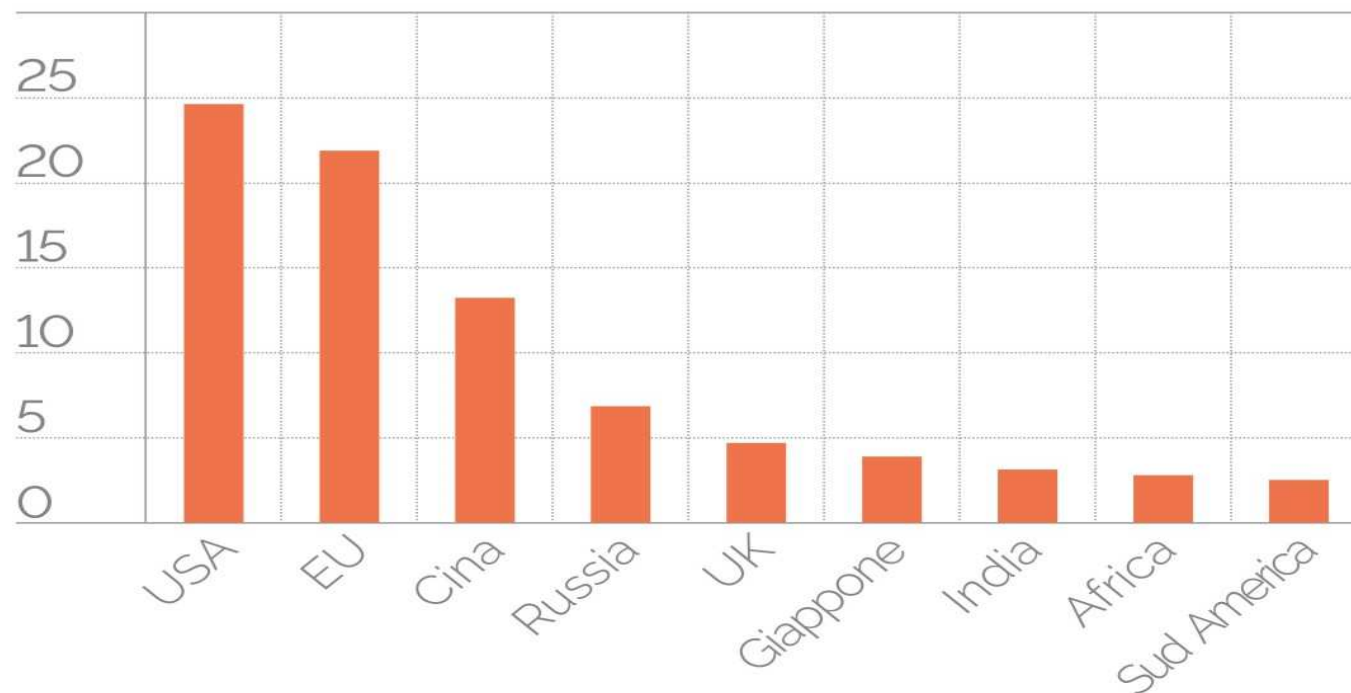
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● OECD ● China ● Non-OECD Americas ● Non-OECD Asia ● Africa ● Non-OECD Europe and Eurasia ● Middle East ● Bunkers



Chi ha contribuito di più all'inquinamento?

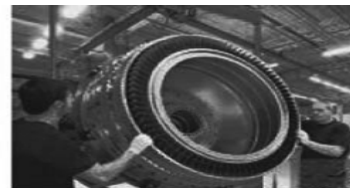
Quota (%) delle emissioni globali cumulative di CO₂ tra il 1750 e il 2019



Fonte:
OWID

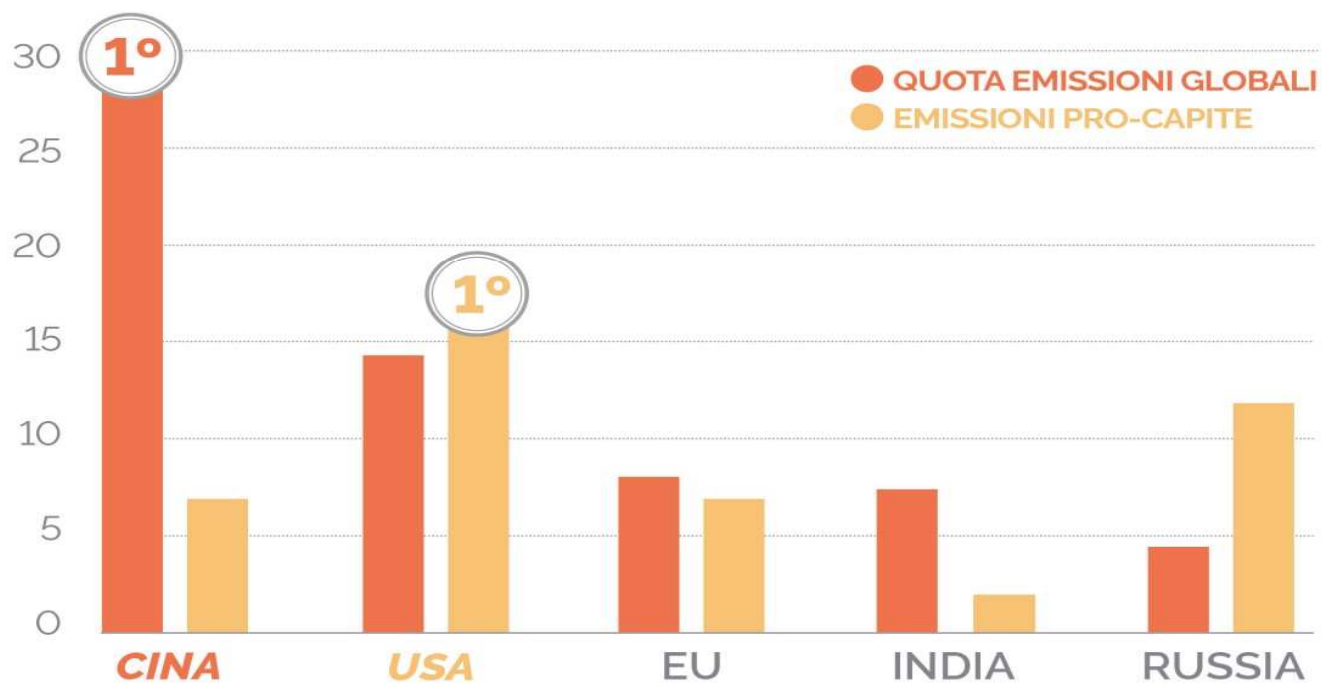
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Cina e USA campioni dell'inquinamento

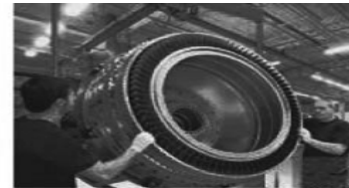
Quota (%) delle emissioni annue globali di CO2 e tonnellate di emissioni pro-capite



Fonte:
OWID

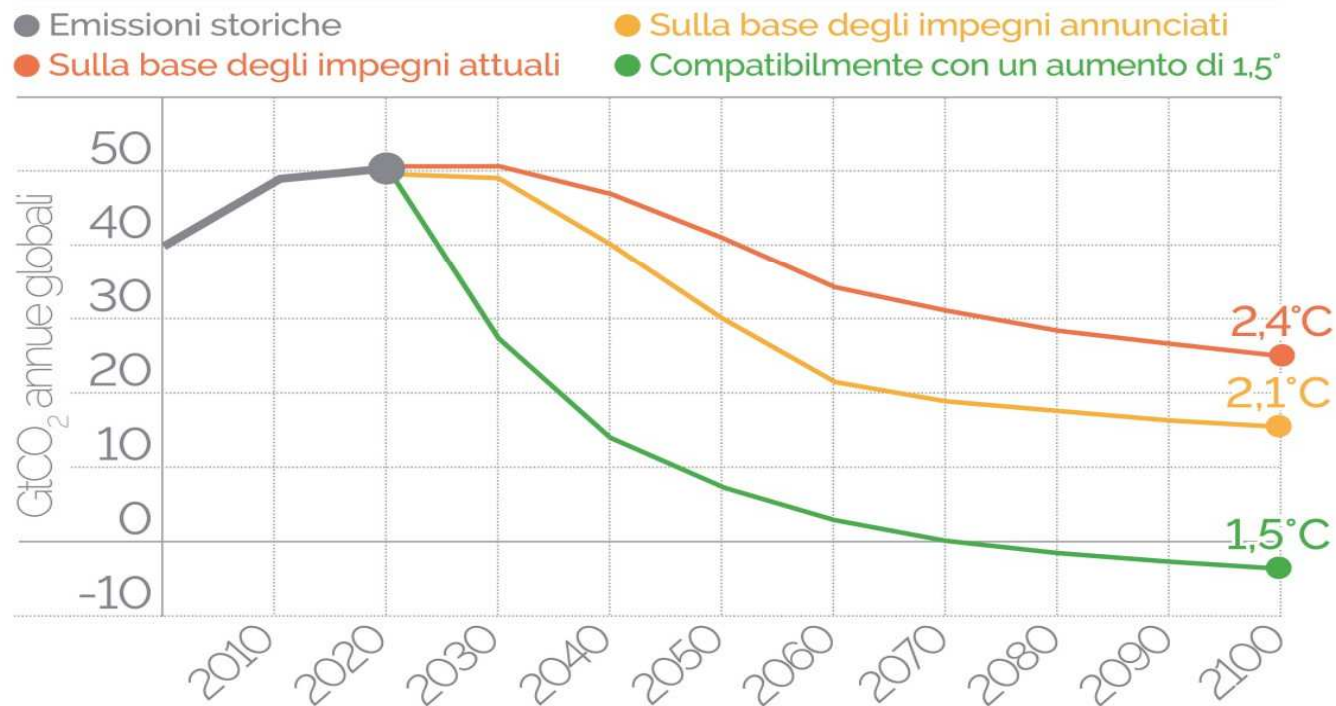
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Andamento delle emissioni globali in tre scenari

Impatto delle politiche del G20 su emissioni di gas serra annue e aumento della temperatura globale



Fonte:
WRI

ISPI

