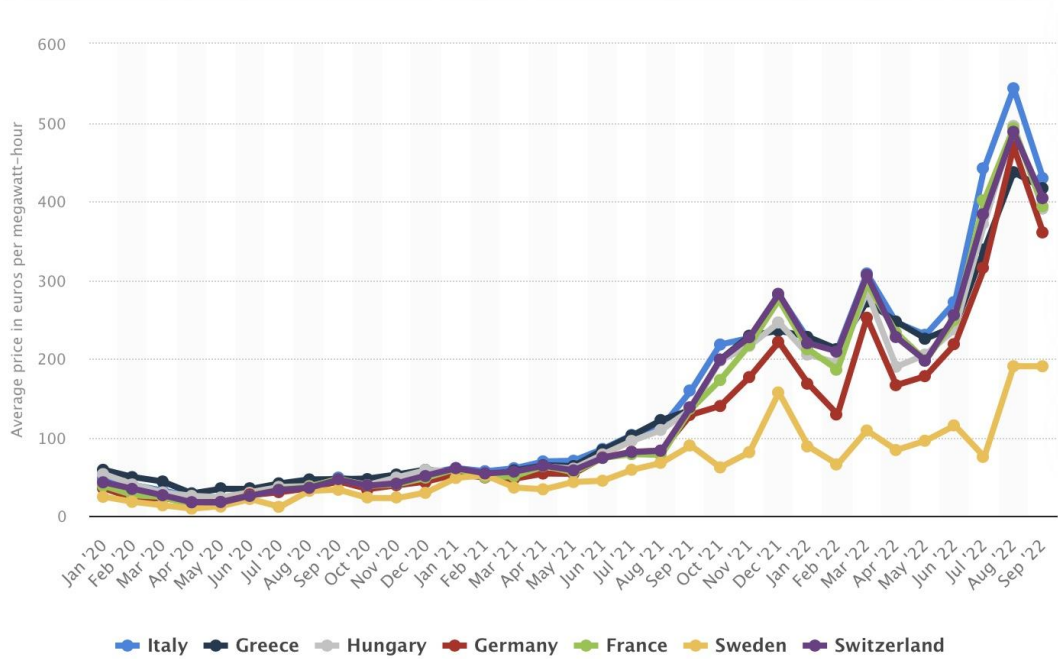
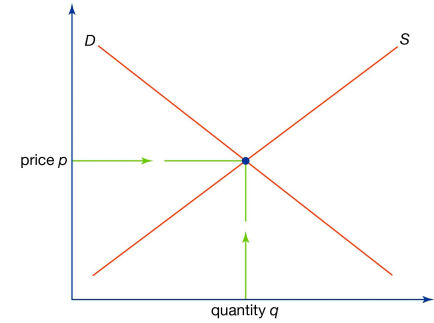
A stylized, hand-drawn map of Europe in various shades of blue and green. The text "EU Energy Crisis" is written in a bold, dark blue font across the center of the map. The map has a textured, watercolor-like appearance with irregular edges and some darker spots. At the bottom center, there are four simple, curved lines representing fingers, suggesting the map is being held or drawn.

EU Energy Crisis

The prices are rising

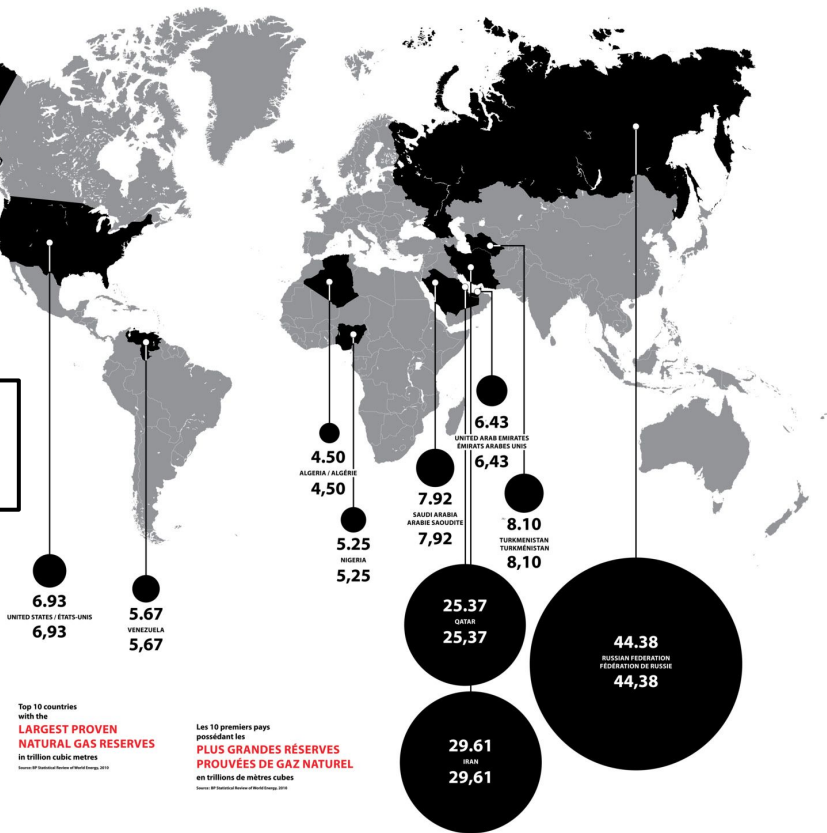


Supply and demand



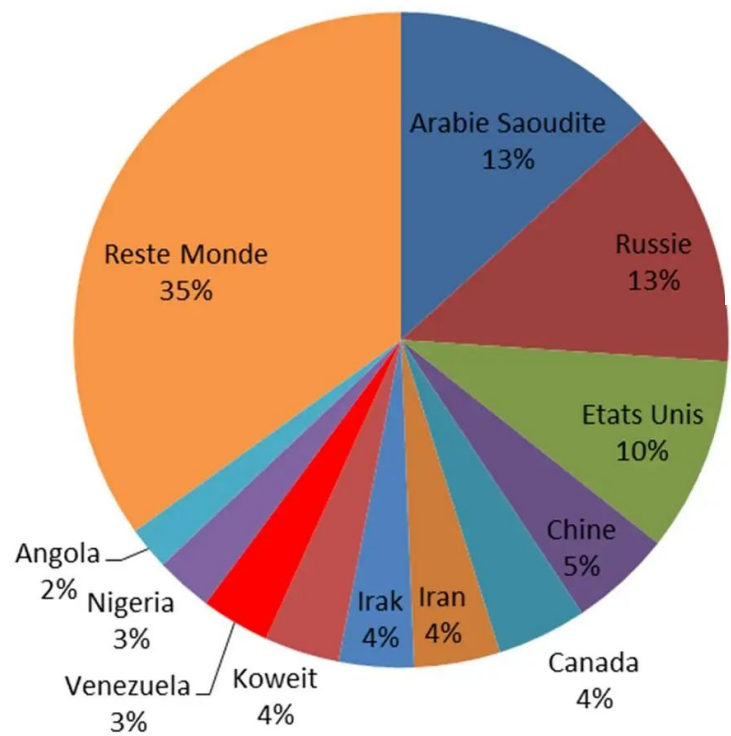
Where does oil and gas come from?

Natural gas reserves



Top 10 countries with the **LARGEST PROVEN NATURAL GAS RESERVES** in trillion cubic metres

Les 10 premiers pays possédant les **PLUS GRANDES RÉSERVES PROUVÉES DE GAZ NATUREL** en trillions de mètres cubes



Oil Production

Russia - Ukraine war

- War strategy
- Several countries found themselves without gas
- Energy price reached historic highs in 2022
- prices are expected to remain high in the EU in the coming months

Russia-Ukraine war has put Europe on energy crisis mode. Historical reliance adds to problem

Russia provided roughly 40 per cent of all imported gas to the EU prior to the invasion, says the European Commission.

EWAN THOMSON 13 November, 2022 05:53 pm IST



Representative Image: European Union Flag | Source: Wikimedia Commons

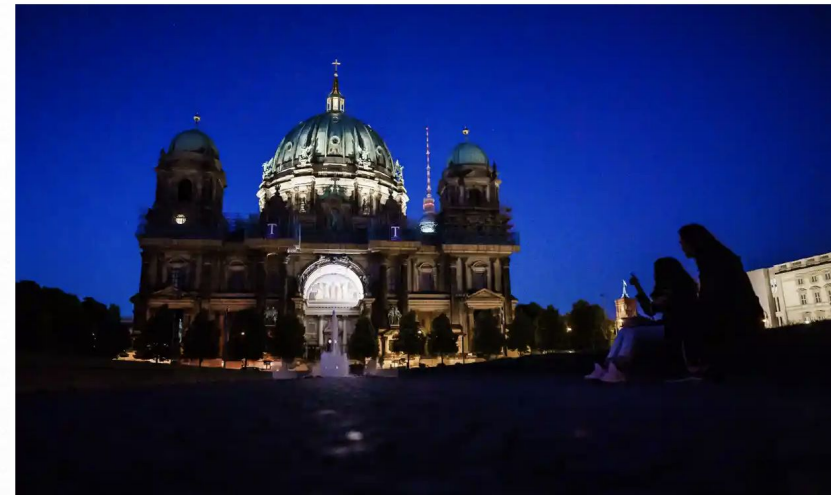
1. Reduce Energy Consumption

- In July 2022, Hanover in north-west Germany became the first large city to announce energy-saving measures, including **turning off hot water in the showers and bathrooms** of city-run buildings and leisure centres.
- Municipal buildings in the Lower Saxony state capital will only be heated from 1 October to 31 March, at **no more than 20C (68F) room temperature**, and **ban the use of mobile air conditioning units and fan heaters**.

These measures are part of the **EU's Gas Demand Reduction Plan**, which aims to **reduce gas consumption by 15%** until next spring.

German cities impose cold showers and turn off lights amid Russian gas crisis

Hanover is first large city to impose energy-saving measures and Berlin switches off monument spotlights



Most of the lights on Berlin Cathedral are switched off on Wednesday night to save energy costs. Photograph: Clemens Bilan/EPA

2. Diversify Energy Supplies

- Involves **importing energy from alternative suppliers**, diversifying its energy sources, as well as **conducting joint purchases** of gas, liquefied natural gas (LNG), and hydrogen ahead of the coming winter.
- In March 2022, The European Union and United States unveiled a deal to supply Europe with more US (LNG).
- The longer-term objective would be to **ensure, until at least 2030, about 50 billion cubic metres (bcm) per year of additional US LNG.**



US President Joe Biden and European Commission President Ursula von der Leyen announced that the US would help ensure Europe's energy security by providing more LNG to the bloc [Xavier Lejeune / EC Audiovisual Service]

3. Scale up Renewable Energy

- **Switching to cleaner forms of energy** to replace fossil fuels
- Measures to accelerate the transition to green energy are in line with Europe's broader goal of becoming the first continent to become 'climate neutral' by 2050.
- Under the **REpowerEU** initiative, calls are made for more rooftop solar panels, increasing biomethane production, developing infrastructure for increased hydrogen imports, cutting red tape for renewables projects, and ongoing decarbonization through electrification.





Do you think that the EU's response to the energy crisis is sufficient? Why?