Webinar: What do Europeans know about hydrogen?











METHODOLOGY



Coverage

27 EU Member States



Target

Representative sample of citizens aged 15 years and above



Sample size

1000 in each country except N500 in Malta and Cyprus



Data Collection mode

Survey conducted Online



Fieldwork Period

September – October 2022



Questionnaire

Translated into all EU Official languages



ENERGY AND MOBILITY

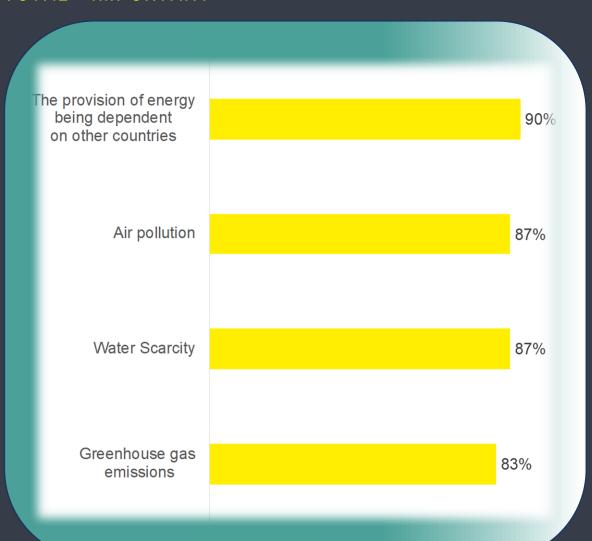




A01. TO WHAT EXTENT DO YOU FEEL THAT EACH OF THE FOLLOWING REPRESENTS AN IMPORTANT ISSUE FACING [COUNTRY] AT THE MOMENT?

TOTAL "IMPORTANT"

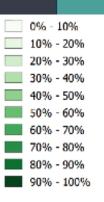
Energy and environment are a major concern to all EU citizens

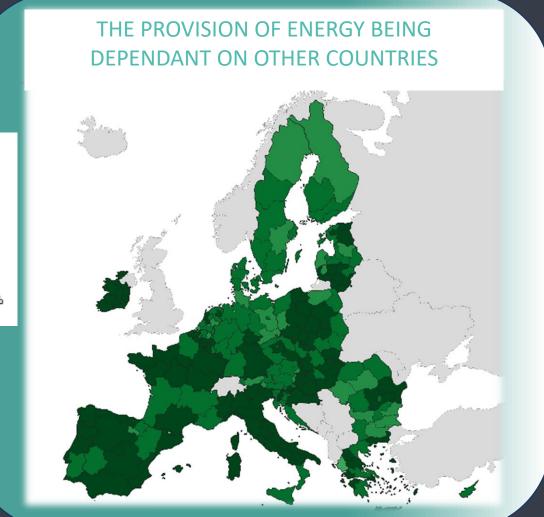


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TOTAL "IMPORTANT"

The recent energy
crisis resulting from
the war in Ukraine has
raised awareness of
how dependant the EU
is for its energy
provision

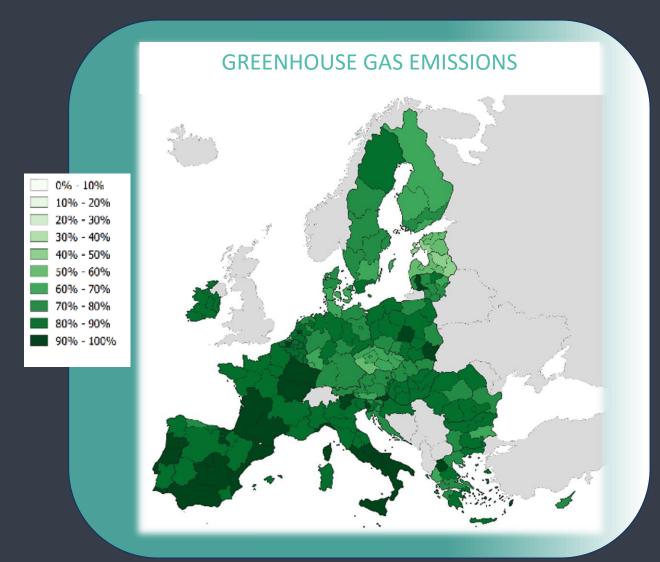




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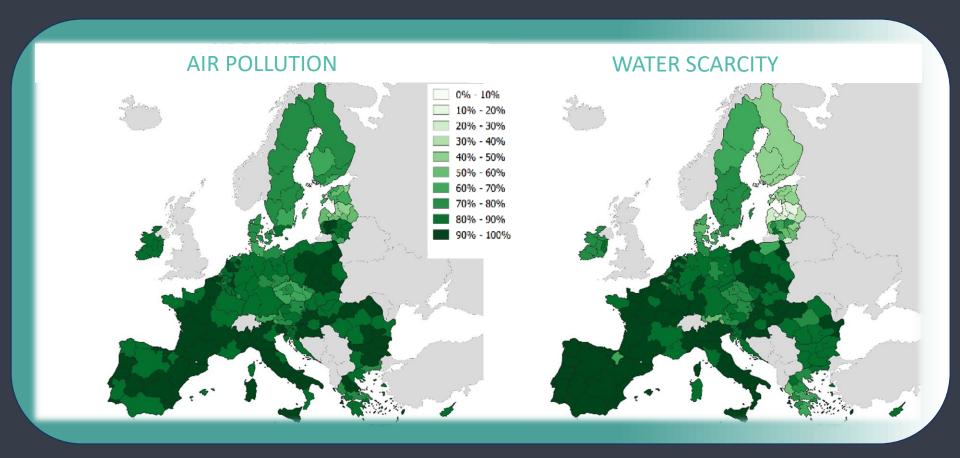
TOTAL "IMPORTANT"

Greenhouse gas
emissions is a
higher concern of
citizens living in
Southern Europe



A01. TO WHAT EXTENT DO YOU FEEL THAT EACH OF THE FOLLOWING REPRESENTS AN IMPORTANT ISSUE FACING [COUNTRY] AT THE MOMENT?

TOTAL "IMPORTANT"

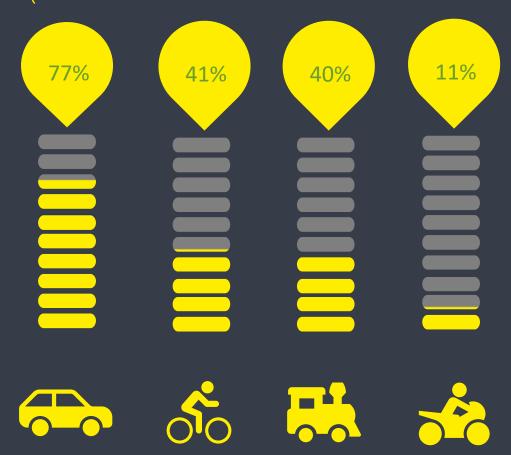


The widest gap is witnessed in water scarcity ranging from 23% in Latvia to 98% in Portugal and 96% in Spain

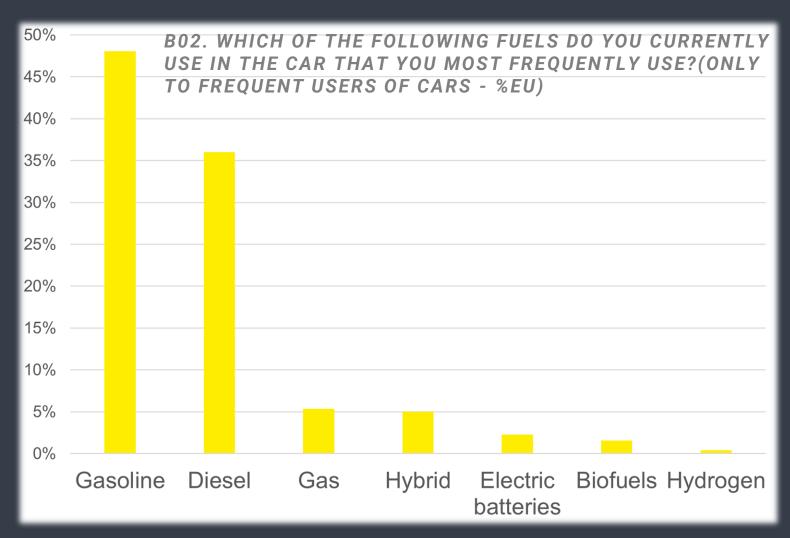
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Mobility patterns in the EU

B01. HOW OFTEN DO YOU USE EACH OF THE FOLLOWING, FOR PROFESSIONAL OR PRIVATE REASONS? (ANSWERS "AT LEAST ONCE A WEEK" - % EU)



FOSSIL ENERGY ACCOUNT FOR 81% OF FUEL USED BY CAR DRIVERS

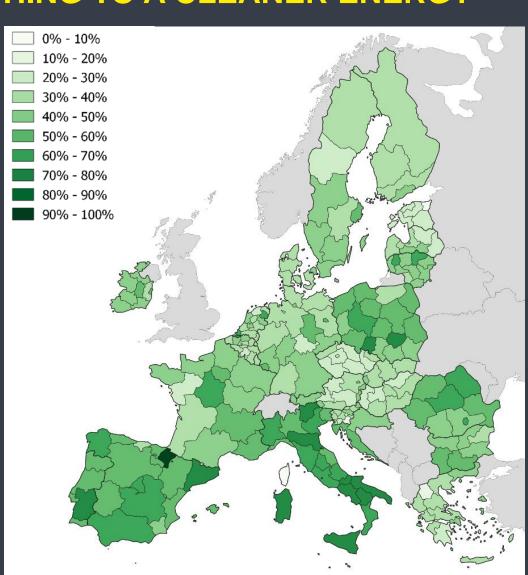


LIKELIHOOD OF SWITCHING TO A CLEANER ENERGY

B03. HOW LIKELY ARE YOU TO CONSIDER SWITCHING YOUR CURRENT CAR FOR A VEHICLE NOT USING DIESEL OR GASOLINE IN THE NEXT 2 YEARS?



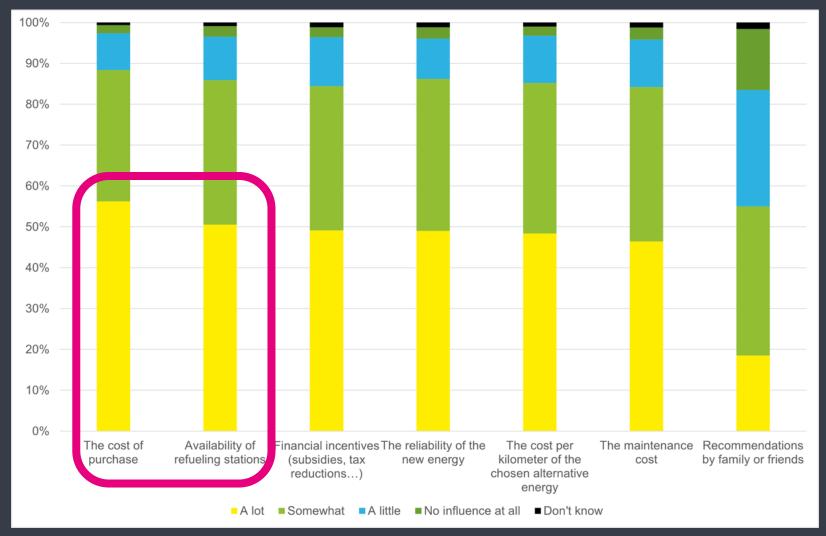
49%





REASONS FOR SWITCHING

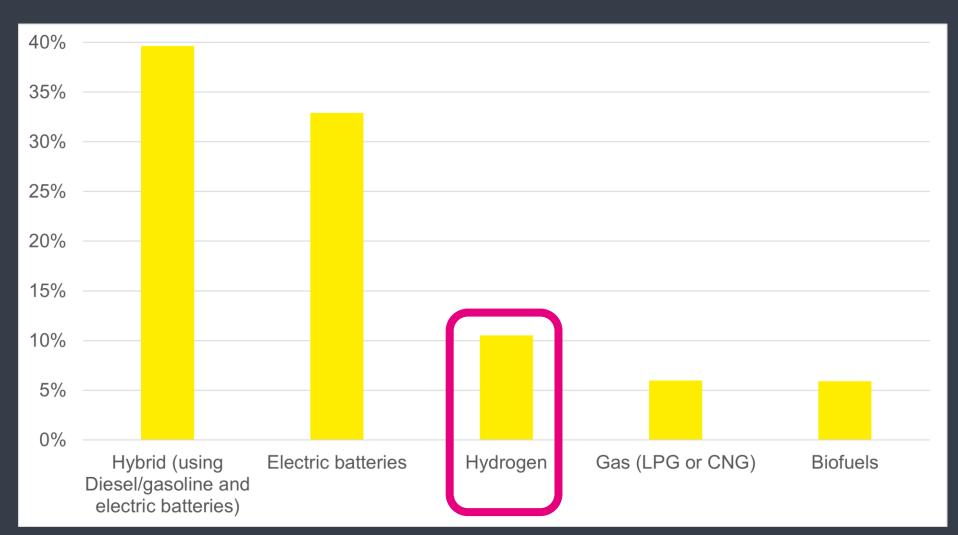
B04A. HOW MUCH WOULD THE FOLLOWING POINTS INFLUENCE YOUR DECISION TO SWITCH TO A CAR USING AN ALTERNATIVE ENERGY?





PREFERED ALTERNATIVE ENERGY

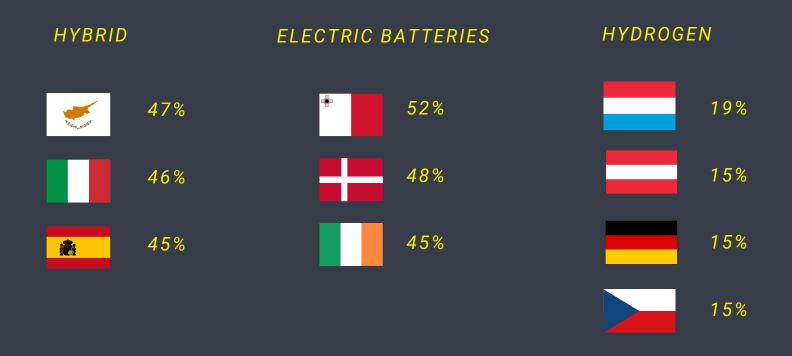
B04B. IF YOU WERE TO SWITCH TO A NEW CAR USING AN ALTERNATIVE ENERGY, WHICH OF THE FOLLOWING WOULD BE YOUR PREFERRED CHOICE?





PREFERED ALTERNATIVE ENERGY

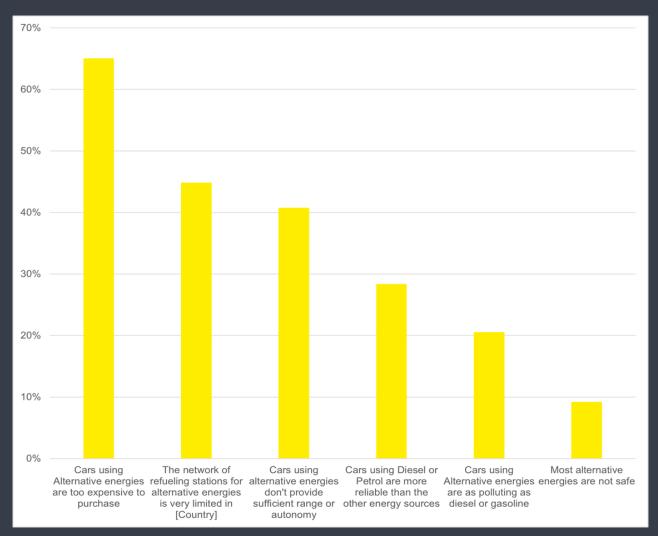
B04B. IF YOU WERE TO SWITCH TO A NEW CAR USING AN ALTERNATIVE ENERGY, WHICH OF THE FOLLOWING WOULD BE YOUR PREFERRED CHOICE?



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HURDLES FOR SWITCHING

B05. WHICH OF THE FOLLOWING ARE THE MAIN REASONS FOR NOT CONSIDERING MOVING TO AN ALTERNATIVE FUEL??



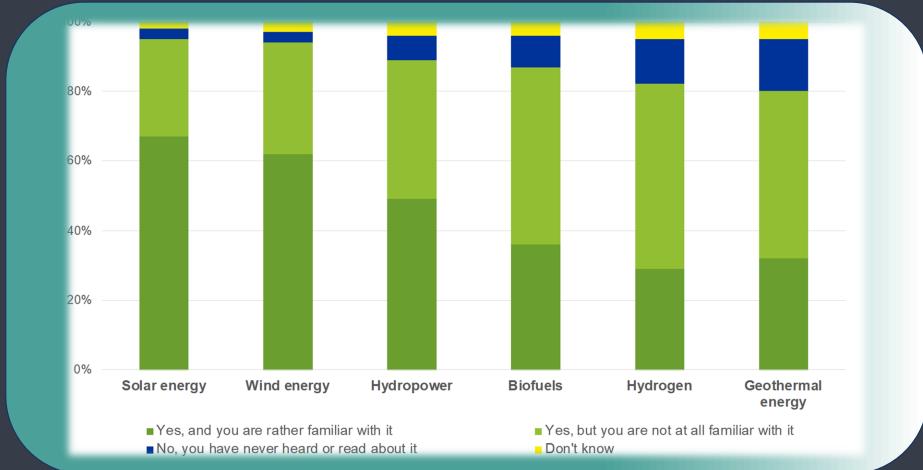






Awareness of alternative energy sources

A02...HAVE YOU SEEN, READ, OR HEARD ANYTHING ABOUT EACH OF THE FOLLOWING ENERGY SOURCES?

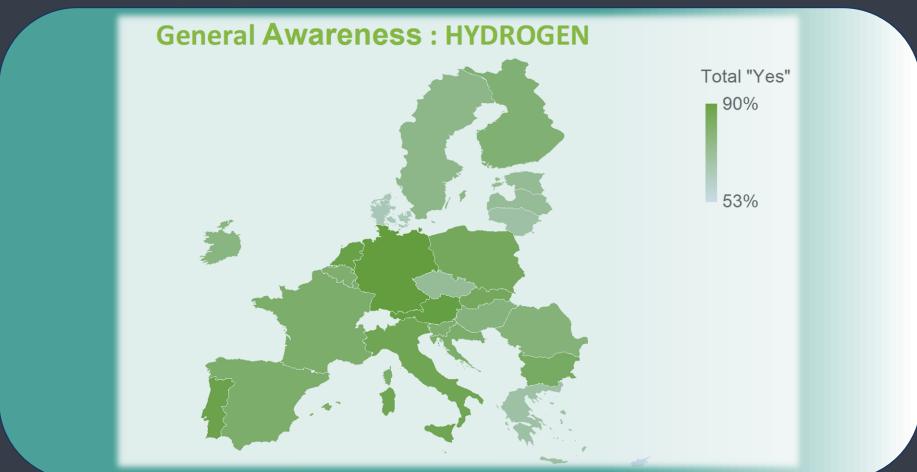


The awareness levels for all alternative energies are very high (80% and above)

The awareness levels for hydrogen are second lowest but still at 82%

Awareness of HYDROGEN

A02...HAVE YOU SEEN, READ, OR HEARD ANYTHING ABOUT EACH OF THE FOLLOWING ENERGY SOURCES?



The awareness of Hydrogen as an energy source is highest in Germany (90%), Austria (89%) and Netherlands (88%).

Perceived impact on environment

A03. ACCORDING TO WHAT YOU KNOW, COULD YOU TELL US TO WHAT EXTENT EACH OF THE FOLLOWING SOURCES HAS AN IMPACT OR NOT ON THE ENVIRONMENT?

0 Has absolutely no impact on the environment - 10 Has a very negative impact on the environment



Fossil and nuclear energy widely recognised to have the most negative impact on the environment

The environmental impact of solar, wind and hydropower energies are rated the most positively

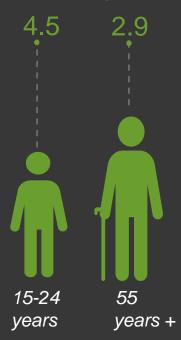
Perceived impact on environment



Environmental impact of Hydrogen



Men are more positive than women on the environmental impact of hydrogen



The Older respondents are, the more likely they are to perceive more positively the impact of Hydrogen on environment





BO7. TO WHAT EXTENT DO YOU AGREE OR DISAGREE WITH EACH OF THE FOLLOWING STATEMENTS REGARDING HYDROGEN ENERGY AND TECHNOLOGIES?

TOTAL "Agree"

Hydrogen is a good solution for reducing the energy dependence of [Country]

70%

Hydrogen is as safe as the use of any other energy source



59%

Hydrogen is a sustainable energy source



69%

Hydrogen is as polluting as Diesel or gasoline.



22%



Awareness of Hydrogen Applications

A04. HAVE YOU HEARD BEFORE OF EACH OF THE FOLLOWING HYDROGEN APPLICATIONS?

TOTAL "YES"

Hydrogen as a fuel for transport

76%

Hydrogen used in some industries to reduce their impact on environment

56%

Hydrogen for heating houses or buildings

42%

Personal experience of Hydrogen Energy



A05. HAVE YOU PERSONALLY OR AT YOUR WORKING PLACE EXPERIENCED ANY OF THESE HYDROGEN APPLICATIONS (VEHICLE FUEL, IN INDUSTRY OR IN DOMESTIC HEATING).?



The Personal experience of Hydrogen is highest in Denmark (21%), Poland (18%) and Sweden (18%).

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MAIN FINDINGS

The overall image of hydrogen is positive compared to other energy types.

A wide majority(70%) agree that hydrogen has a role to play in reducing energy dependence of their country while 69% believe that it's a sustainable energy source.

The public's perception of hydrogen impact on the environment is mostly positive

Current energy consumption for mobility is widely centered around gasoline and diesel.

Widespread
willingness to change
current energy
consumption: 49% are
likely to switch to an
alterative energy

Switching decisions are mostly influenced by cost considerations and a wider refueling network.

