ECOLOGICAL TRANSFORMATION : "are we (still) ready ?"

BAROMETER OF THE ECOLOGICAL TRANSFORMATION - 2024 EDITION



WHY THE BAROMETER OF THE ECOLOGICAL TRANSFORMATION?

The debate around ecology has entered a new phase which is struggling to be structured on common basis. If there is a consensus on the risks for the planet and for all humankind, the solutions to reduce our impact are still little debated and dividing.

IPCC reports, climate strategies, the Green New Deal, the COP: there are **many proposals** to fight climate change, biodiversity loss and pollution. **But as half the people on the planet are about to vote in 2024, voices are raising around the world calling for a sharp slowdown of the ecological transition and gathering under a new banner: the ecological pause.** The large-scale adoption and deployment of ecological solutions raise a decisive question: **are the needed changes to win the "battle of the century" socially, economically and culturally acceptable to human communities?**

This question is at the heart of the Barometer of the ecological transformation carried out with a sample covering **more than half of the world's population** on the 5 continents.

This barometer aims to **make the public debate concrete** by working on **solutions**, and to understand **the obstacles and levers** of their **acceptability** to accelerate the transition.

3 thematic axes



Decontamination

Resources regeneration

A novel angle :

acceptability of ecological solutions and desirability of the transition

What are the **psychological, economic and cultural obstacles** to adopt ecological solutions?

How do we arbitrate between the cost of action and the cost of inaction?

Why are we prepared to **bear or accept the cost of ecological transformation?** What are the **objectives and benefits that make people want to make the ecological transition?**



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Methodology

பி Target countries

A survey carried out in **26 countries on 5 continents**, involving over **29,500 individuals** (between **1,000 and 2,000 per country**). **The countries** were **chosen** for **their demographic weight**, **their weight in GHG emissions and to ensure a diversity of ecological political and cultural histories**. Overall, these countries represent nearly 60% of the world's population, **67% of global GHG emissions** and 77% of global GDP. <u>See details on the next page.</u>

Collection method and field dates

An online survey conducted from 17 October to 6 December 2023

Sample representativeness

For each of the 26 countries, a representative sample of residents aged 18 and over was selected. Representativeness was ensured using the quota method applied to the following variables: gender, age, socio-professional category or income (depending on the country), urban area and region of residence.

$\widehat{(i)}$ Results "World Opinion"

To constitute the **results of the "world opinion", an equivalence between countries was privileged** (each country counts for 1, no weighting according to the number of inhabitants). This choice was made to ensure that the diversity of countries is represented and thus avoid "world opinion" being only the average of the results of the most populous countries (China and India in particular).

Frequency of the barometer

Every 18 months. This is the 2nd edition. The questions common to the 2 editions and showing significant changes (+ / - 2 % points) are indicated 1+2



A global scope

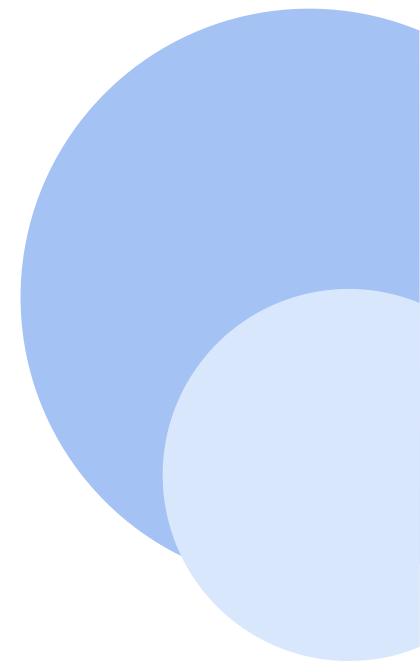


				Number of people interviewed	Pop. of the country on global pop.	Share of the country in global GHG emissions	Share of world GDP
			TOTAL	29 500	59,2%	67,0%	77,0%
AFR	ICA						
1		CIV	Ivory Coast	1 000	0,4%	0,1%	0,1%
2		MAR	Morocco	1 500	0,5%	0,2%	0,1%
3	0	NGA	Nigeria	1 000	2,8%	0,8%	0,4%
	RICA		.	1.000	0.70	a 10	
4	0	BRA	Brazil	1 000	2,7%	2,4%	2,0%
5		CHL	Chile	1 000	0,2%	0,3%	0,3%
6		COL	Colombia	1 000	0,6%	0,4%	0,3%
7		USA	United States	2 000	4,2%	11,2%	25,8%
8	•	MEX	Mexico	1 000	1,6%	1,5%	1,7%
EAS 9		CHN	China	1 000	1760	20.0%	16.00
9 10		IND	India	1 000	17,6% 17,8%	29,2% 7,3%	16,9%
10		IDN	Indonesia	1 000	3,4%	2,3%	3,6% 1,4%
12		JPN	Japan	1 000	3,4 <i>%</i> 1,5%	2,3 %	4,0%
	OPE	JFIN	Japan	1 000	1,3%	∠,∠ ⁄o	4,0 %
13		DEU	Germany 💿	1 000	1,0%	1,5%	4,2%
14	ō	BEL	Belgium ()	1 000	0,1%	0,2%	0,6%
15	X	ESP	Spain 🔮	1 000	0,6%	0,6%	1,5%
16	ŏ	FRA	France ()	1 000	0,8%	0,8%	2,9%
17	H	NOR	Norway 😔	1 000	0,0%	0,1%	0,5%
18		HUN	Hungary 💿	1 000	0,1%	0,1%	0,2%
19	Ō	ITA	Italy 🛛	1 000	0,7%	0,7%	2,1%
20	ă	NDL	Netherlands	1 000	0,2%	0,3%	1,0%
21		POL	Poland 💿	1 000	0,5%	0,7%	0,8%
22		CZE	Czech Republic 🛛	1 000	0,1%	0,2%	0,3%
23		GBR	United Kingdom	2 000	0,8%	0,8%	3,2%
MID	DLE EA				.,	-,	-,
24		SAU	Saudi Arabia	1 500	0,5%	1,5%	1,0%
25	Č	UAE	United Arab Emirates	1 500	0,1%	0,5%	0,5%
OCE	ANIA						
26	5	AUS	Australia	1 000	0,3%	1,1%	1,6%



ELABE

Ecology, do we stop or do we go further ?





The planet is burning, humankind is suffering: the collapse has begun

Since November 2023. dozens of municipalities in the regions of Nord and Pas de Calais (France) have been hit by successive floods, leading to power cuts, evacuations and restrictions on the use of water. Soil was waterlogged and overflowing rivers flooded crops. The subsiding of floodwater is making it much harder for farmers to get back to normal, and to rotate their crops. With global warming, the increase in rainfall is set to become stronger, increasing the risk of a recurring situation.



In August 2023, Iran became the first country in the

Our planet has just endured a season of simmering – the hottest summer on record. Climate breakdown has begun.

Wagner's African web

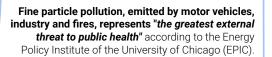
Barbie v Oppenheimer

António Guterres, Secretary General of the United Nations

According to the European Copernicus programme, 2023 was the hottest year on record. The average annual temperature reached 14.98°C, with peaks of 53°C in Death Valley and 38°C recorded in the middle of winter in Argentina.

At this rate, the climate in a city like Paris could be similar to Seville or Canberra by 2050, with long heatwaves and temperature peaks over 50°C.

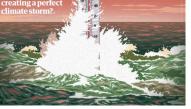




In New Delhi (India), one of the world's most polluted cities, the average person loses 12 years of life expectancy due to air pollution.



GuardianWeekly



In August 2023, Maui (Hawaii) burns down. The town of Lahaina was nearly razed to the ground. 100 people died and around thirty disappeared. It was one of the deadliest fires in the United States, and the rebuilding costs exceeded 5.5 billion dollars, according to the authorities

Since the beginning of February, Chile has been experiencing "the greatest climatic tragedy for more than ten years", according to President Gabriel Boric. The country is facing violent fires fuelled by extreme temperatures and violent winds during an intense drought. The climate situation has been intensified by the natural phenomenon El Niño (which causes a rise of sea and atmospheric temperatures). More than 43,000 hectares of forest went up in smoke, thousands of homes were destroyed and 122 people died.



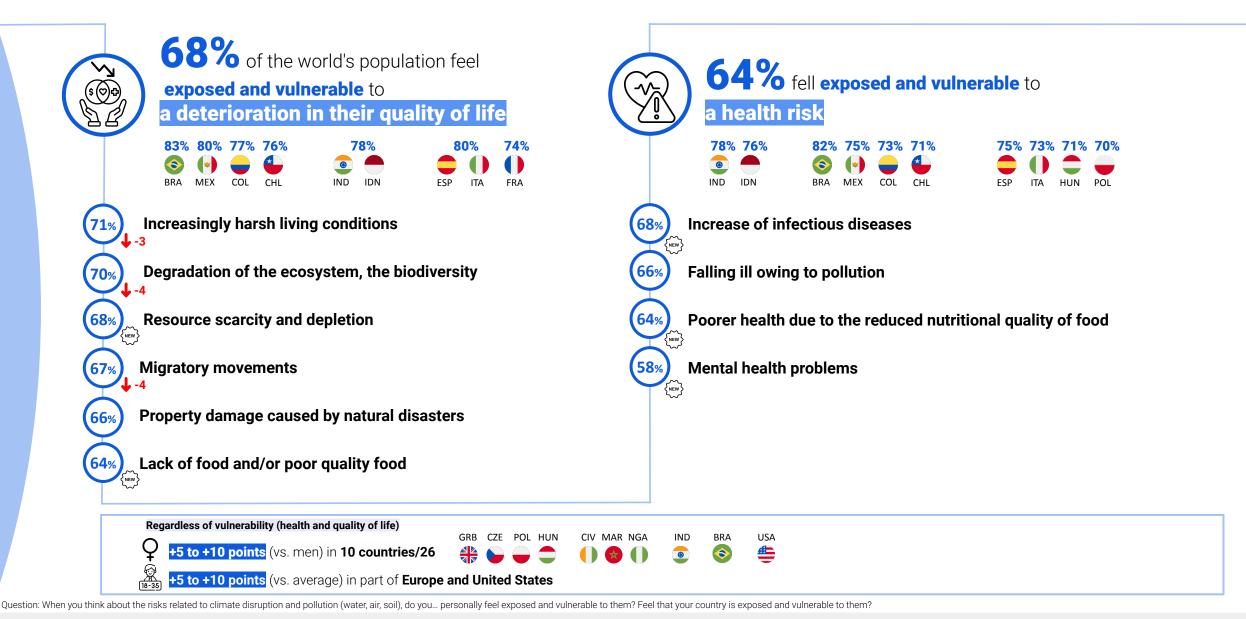
Ecological and climate insecurity is spreading around the world



ELABE

Question: When you think about the risks related to climate disruption and pollution (water, air, soil), do you... personally feel exposed and vulnerable to them? Feel that your country is exposed and vulnerable to them?

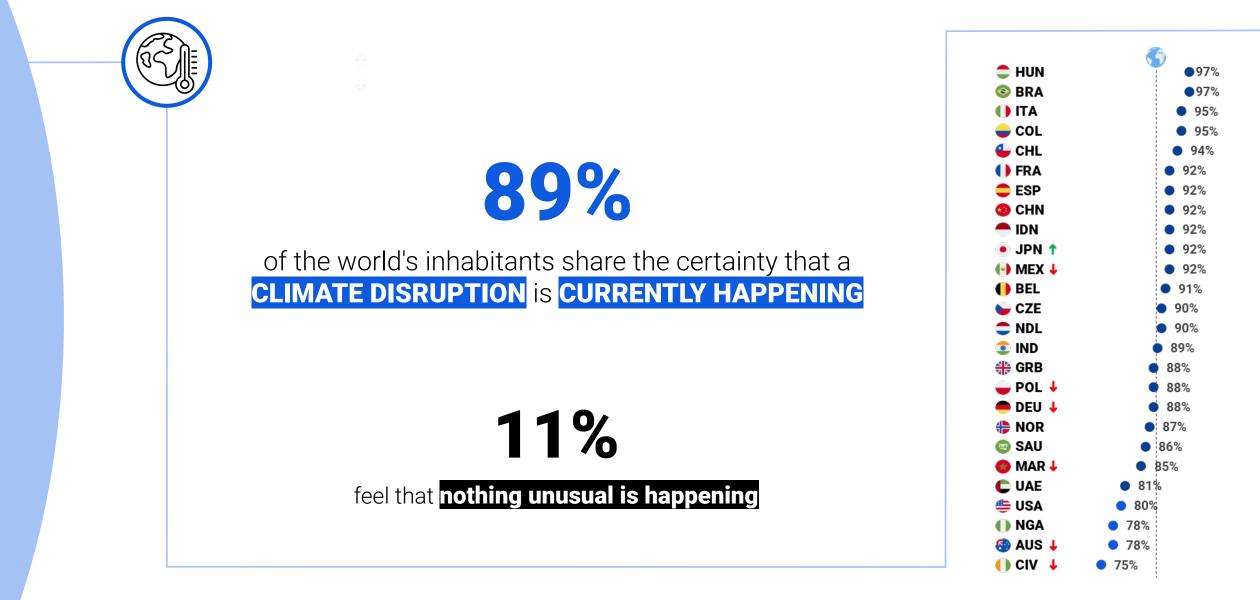
Human health and quality of life, the first victims on the ecological front



• VEOLIA

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The massive and stable certainty of an ongoing climate change

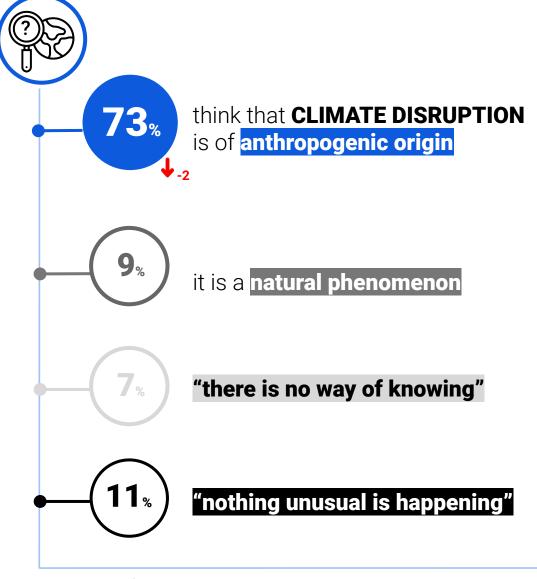


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Question: Would you personally say that climate disruption is currently happening on our planet?

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But climate denial is on the rise among conservatives and populists of the whole world



27	7.	limate o	denial					
		innate t	ueman					
		crease in f			+10	+8 💽	+6 🤛+5	+4
	+2 inc	luding 8 with	n electoral de	eadline in 2024	POL	CIV AUS	CZE	DEU
	•		0			+		S
DEU	BEL	CZE	FRA	POL	NDL	NOR	USA	AUS
61%	53%	59 %	50%	55%	54 %	57%	59 %	69%
AfD	VB	SPD	R!	Konfederacja	PVV	FrP	Republican	One Nation
+32	+28	+28	+25	+25	+23	+22	+22	+29
		nate denial						



Climate denial +5 to +15 points (vs. affluent populations) in 34 of countries

Question: Do you think that human activity is responsible for climate disruption or not?



And the temptation of ecological fatalism is growing



7

Ouestion: And do you think we still have the future in our hands, that we can still limit climate disruption and pollution, or is it too late?

An ecological transition with no horizon



Question: When you hear that we need to change a number of things in society and in our lifestyles to limit climate disruption and reduce pollution, do you find it easy or difficult to imagine what daily life could be like if we achieved the ecological transformation?



The ecological pause, a dead end?

Environmental regulations are dividing and polarising public opinion. All over the world, voices opposing social policy and ecological action are rising to encourage "pragmatism", to put the consequences of the climate crisis into perspective and to call for an "ecological pause".

But global warming is accelerating. Without a major reduction of emissions, the 1.5 degree threshold could be exceeded in 2030, with all the connected human and economic costs. Yet the sums needed "to adapt to global warming are ten to eighteen times greater than current international public financial flows", i.e. 203 to 365 billion euros each year (UNEP).

Ecology is a new political crest line, as half the world's voting age population is called to the polls (4.1 billion people) in nearly 70 countries: Russia, Belarus, South Africa, South Korea, Taiwan (presidential and legislative elections), Iran, Pakistan, India, the world's most populous country (legislative elections), the American superpower (presidential elections), the largest trading bloc (European elections), Indonesia (legislative elections), Mexico, the largest Spanish-speaking country (presidential elections).

In January 2024, **the Norwegian parliament authorised mining prospecting on 280,000 km2 of its seabed** with the aim of finding reserves of increasingly coveted minerals (cobalt, zinc, copper).



In November 2023, Justin Trudeau's government in Canada announced a carbon tax exemption for Canadians who heat with heating oil, for the next 3 years (carbon pricing had been introduced in 2018).





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In March 2023, the Farmer-Citizen Movement (BBB) became the leading political force in the Dutch Senate, notably by representing the rural and agricultural world's opposition to the • 'nitrogen plan'' (50% reduction in emissions by 2030).



In May 2023, French President Emmanuel Macron called for **"a** *European regulatory pause"* in terms of **environmental constraints**, so that the weight of standards does not slow down European economies.



During COP 28, **India**, which said it was in favour of tripling renewable energies by 2030, **refused to join the 116 nations in ratifying an agreement because of restrictions on coal**, calling for a "phasing out of coal-fired power generation".



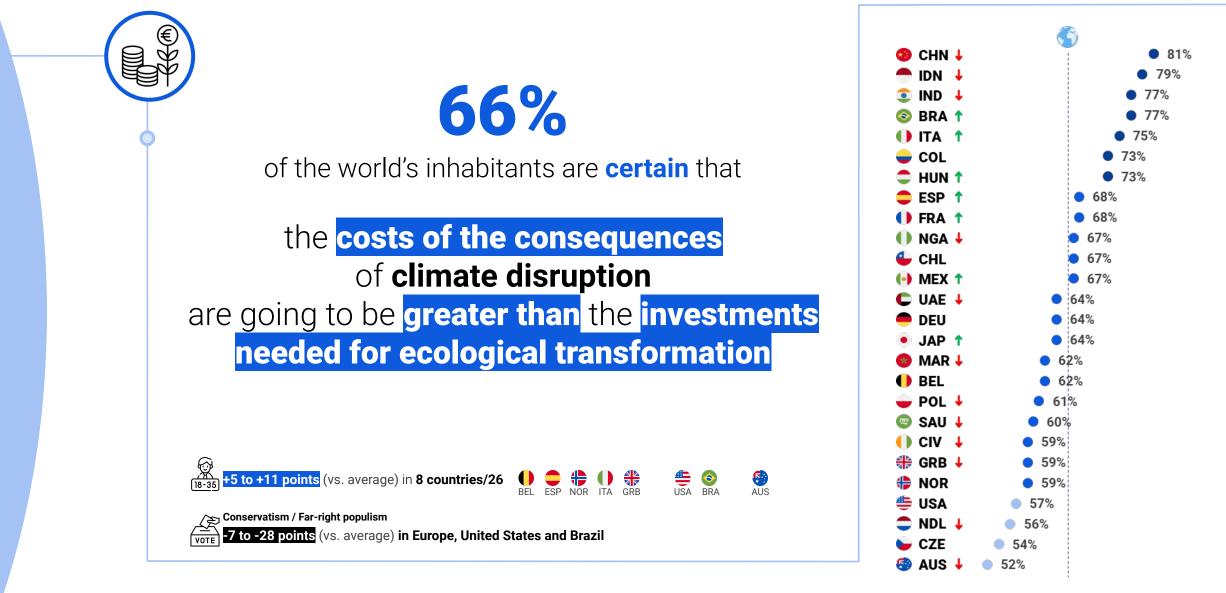


While Anthony Albanese's Australian Labor government was talking about ambitious climate targets, the country continues to give major support to the coal and fossil fuel industries. According to the Australian Conservation Foundation, no fewer than "16 fossil fuel projects have been approved or received some form of support" since the government took office in 2022.





Inaction is still considered more costly than ecological action



Question: Experts say that the costs caused by the damage linked to climate disruption and pollution are going to be greater than the investments needed for the ecological transition of our societies. Do you personally feel that this fact is true or false?



The seriousness of the health threat has become a certainty

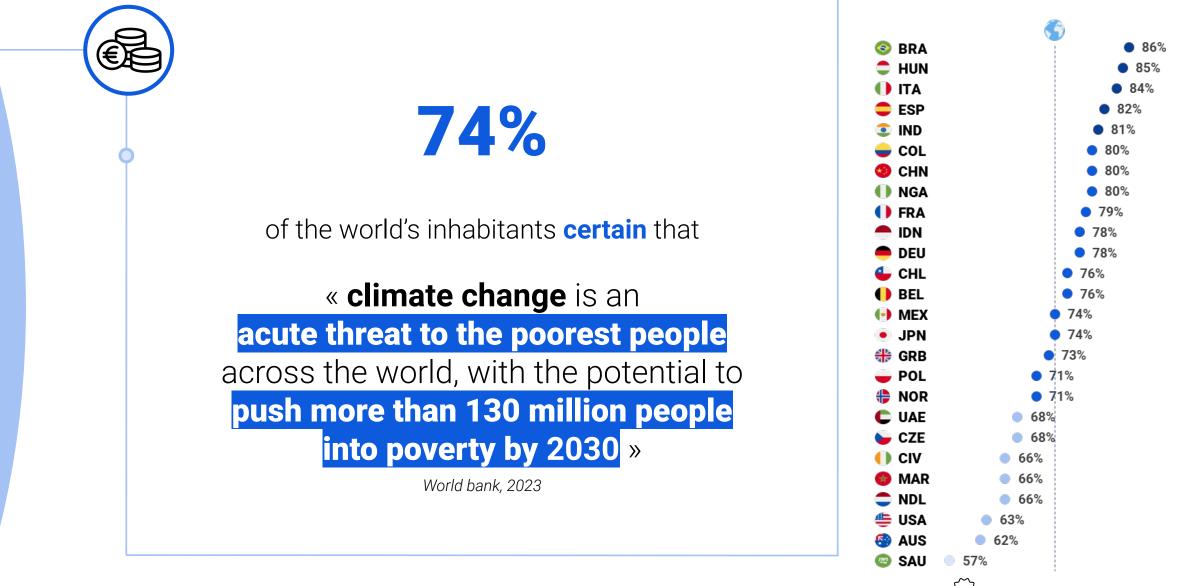


ELABE

Question : In a report published in 2021, the World Health Organization (WHO) said that climate change is the single biggest health threat facing humanity. Do you think this information is true or false?



And mass poverty is a credible threat



Question : The World Bank says that "climate change is an acute threat to the poorest people across the world, with the power to push more than 130 million people back into poverty by 2030". Do you think this information is true or false?

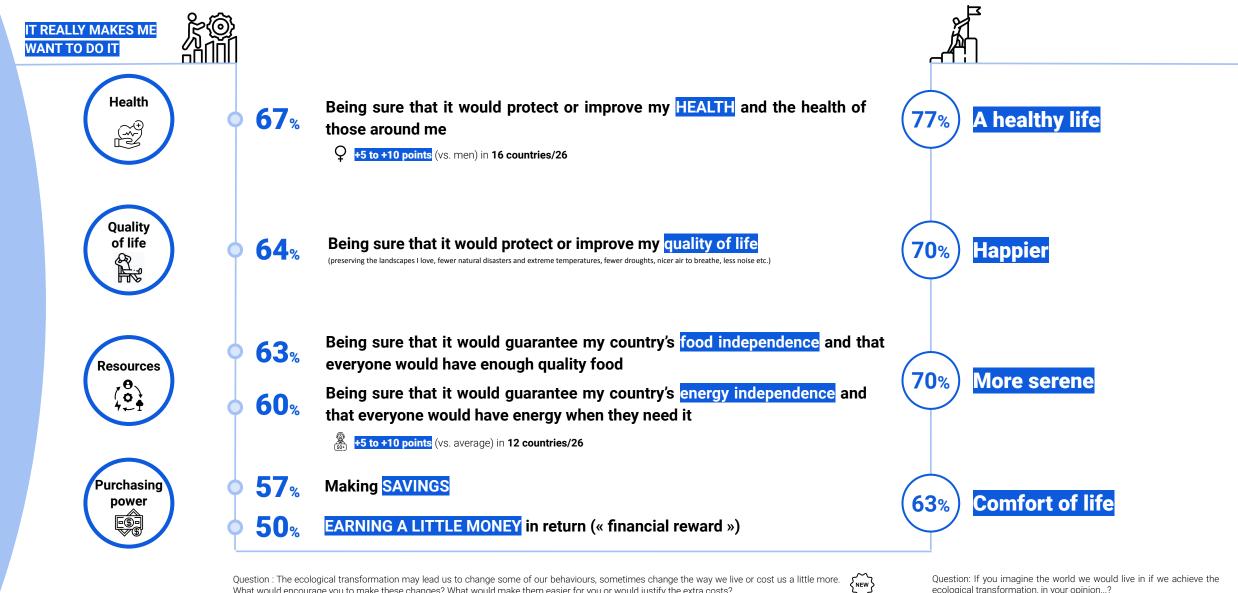


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So what do we do ?



Protecting health and quality of life to make ecology desirable

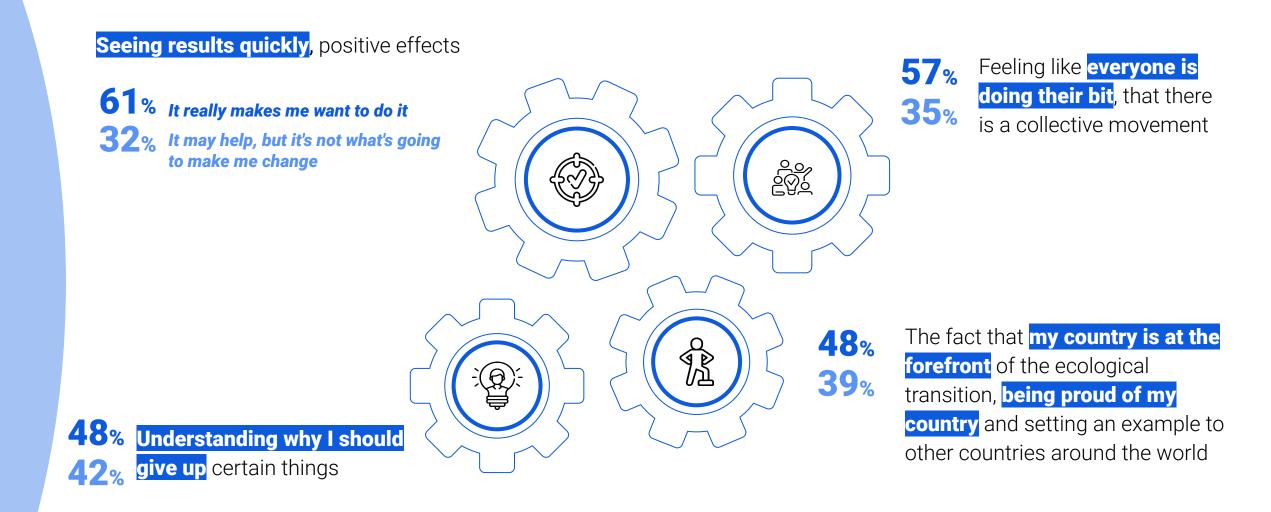


What would encourage you to make these changes? What would make them easier for you or would justify the extra costs?

Question: If you imagine the world we would live in if we achieve the ecological transformation, in your opinion...?



Concrete results and an explained and unifying collective action as levers for change



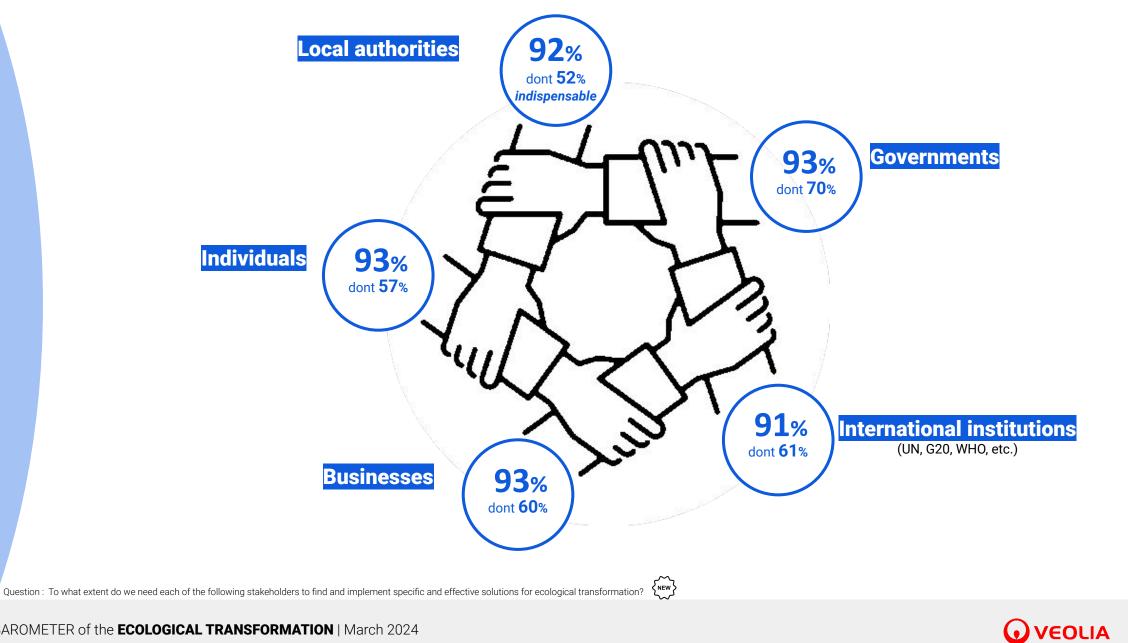
Question : The ecological transformation may lead us to change some of our behaviours, sometimes change the way we live or cost us a little more. What would encourage you to make these changes? What would make them easier for you or would justify the extra costs?

(•) VEOLIA

FLABE



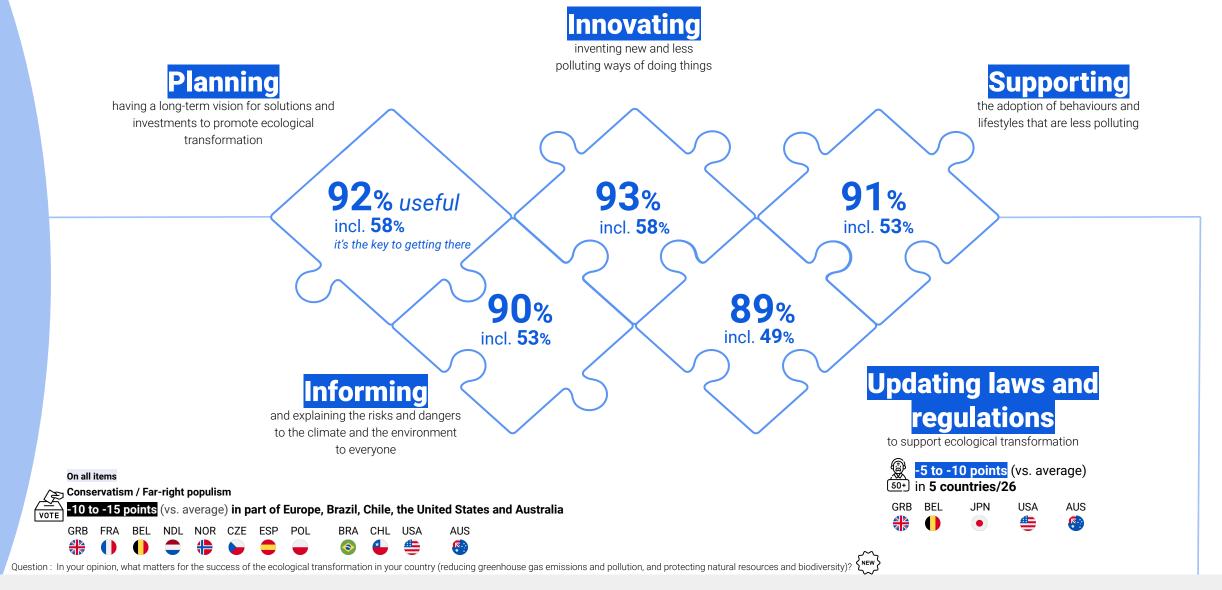
A joint commitment of all stakeholders for ecological transformation's solutions



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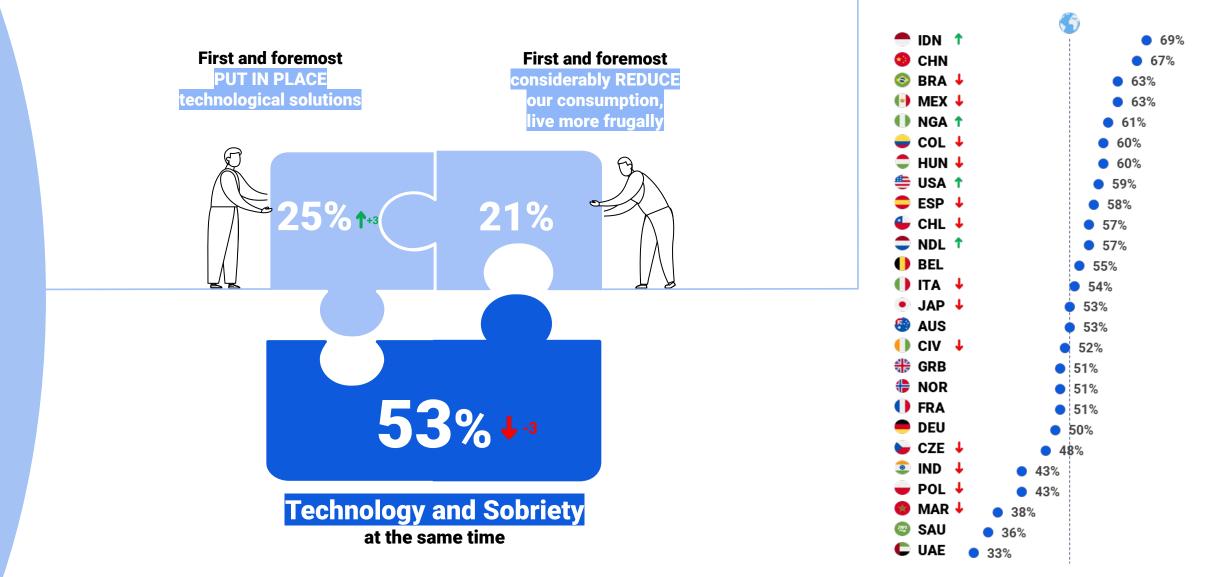
Programming, inventing, supporting, informing and updating laws are major matters to succeed



ELABE

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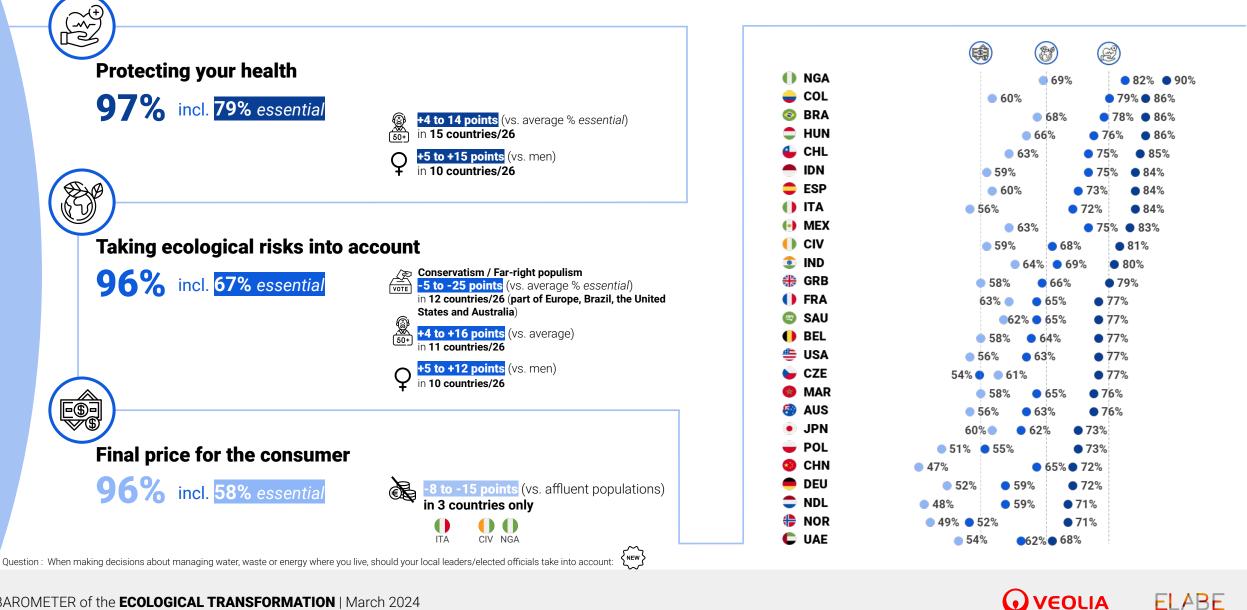
Combining technology and sobriety as a solution to limit climate disruption



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Question : Generally speaking, when you think about the changes to be implemented to limit climate disruption and pollution, do you think that first and foremost we need to ...?

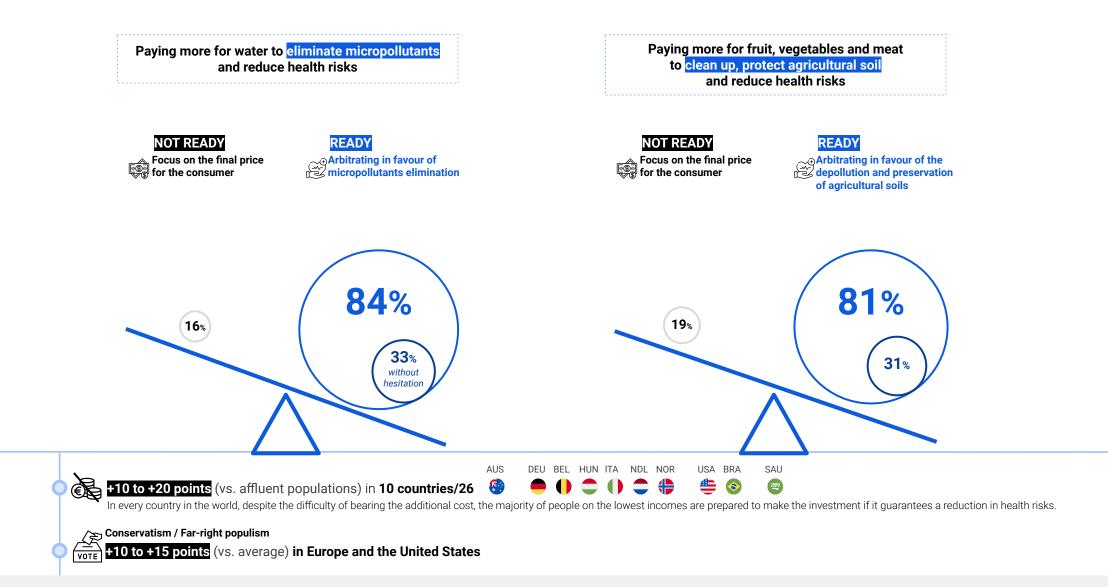
Such as making health and ecological risks the keys to local decision-making for water, waste and energy



Decarbonising, depolluting and regenerating our resources

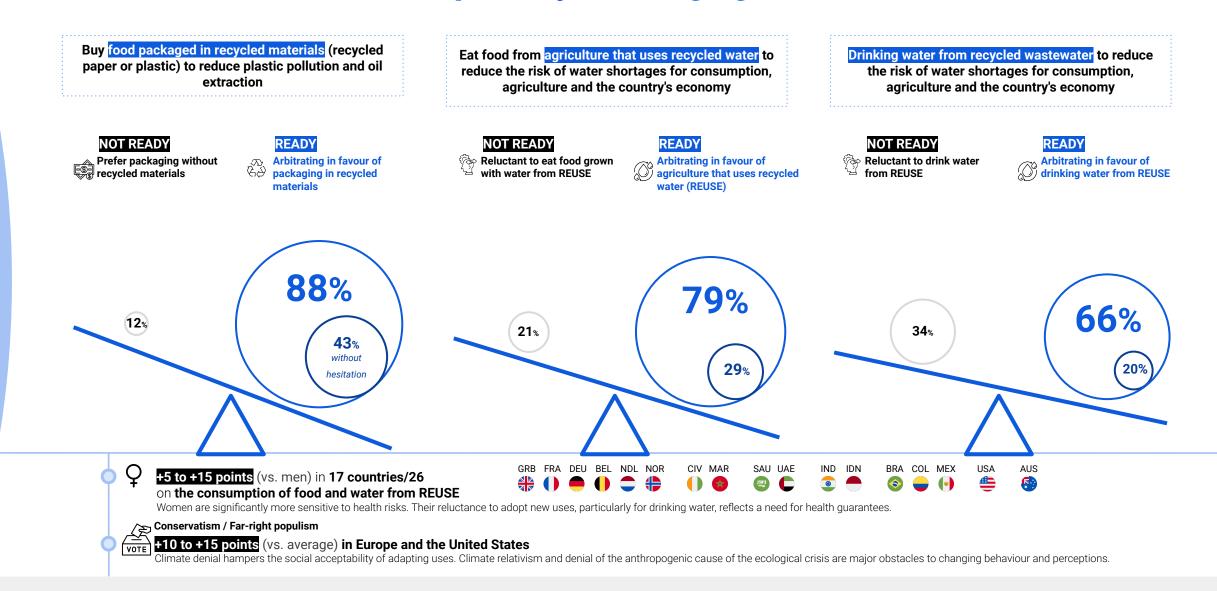


Micro-pollutants and soil pollution: health risks are unacceptable and justify additional costs, beyond socio-economic divide



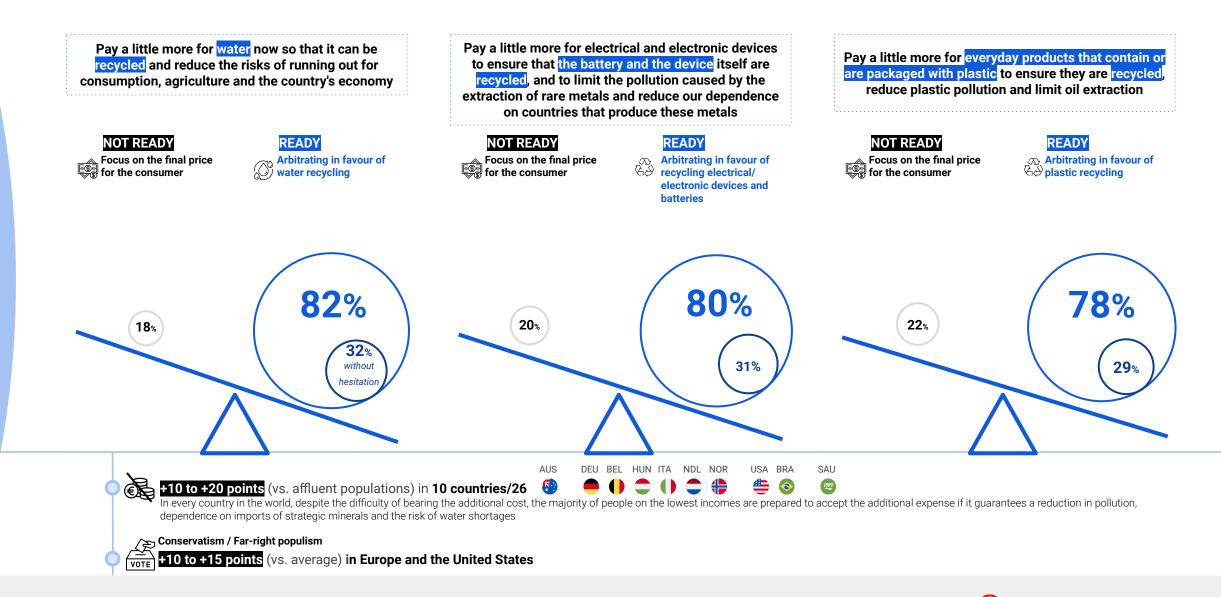


REUSE and recycled: resource conservation, avoided pollution and economic co-benefits lever the social acceptability of changing behavior





Reuse, electrical/electronic devices and plastics recycling: economic, geopolitical and ecological gains can justify the cost of action

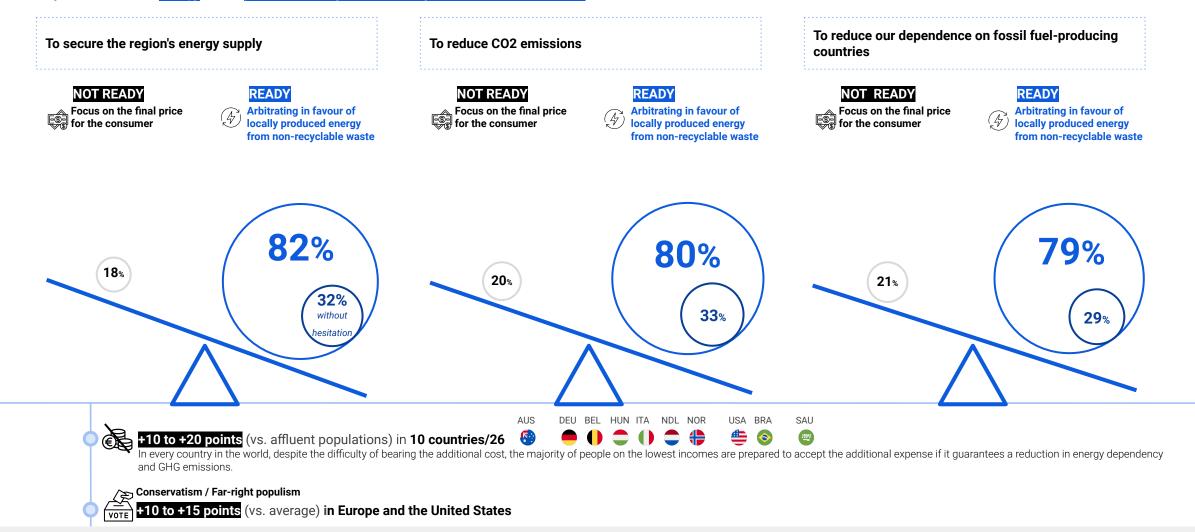


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(•) VEOLIA

Local and low-carbon energy: security of local supply, reduction of national energy dependency and decrease of greenhouse gas emissions make the extra cost acceptable

Pay a little more for energy that is produced locally from non-recyclable waste and biomass...





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