

CLIMATE CHANGE MITIGATION AND ADAPTATION.



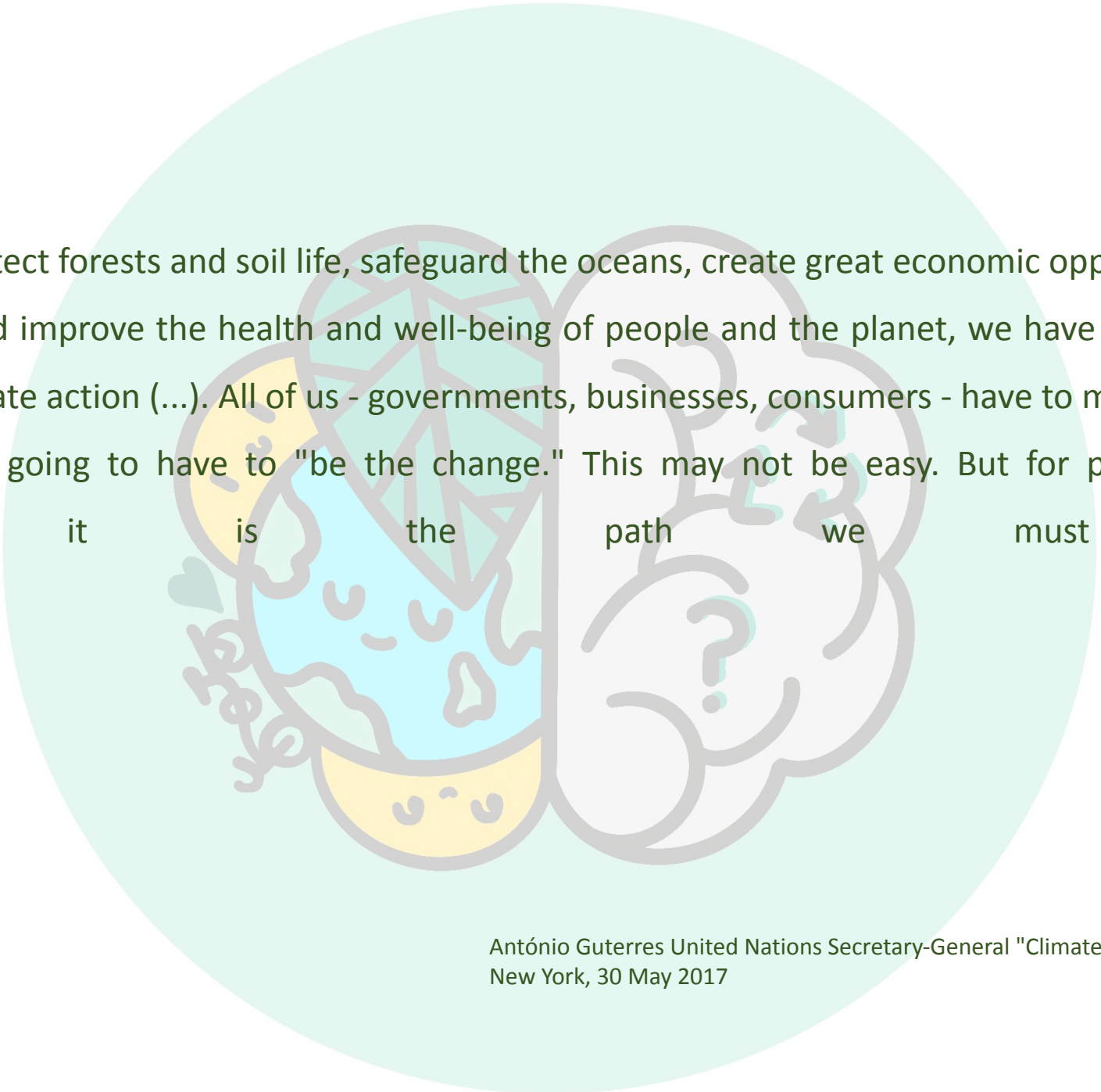
La TRANS
Educativa

GREENBTC
ENVIRONMENTAL CONSULTING FOR A DESIRABLE FUTURE

Agrupamento de
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If we want to protect forests and soil life, safeguard the oceans, create great economic opportunities, prevent further losses and improve the health and well-being of people and the planet, we have one option to look ahead to us: climate action (...). All of us - governments, businesses, consumers - have to make changes. More than that, we're going to have to "be the change." This may not be easy. But for present and future generations, it is the path we must continue!!

António Guterres United Nations Secretary-General "Climate Action: Mobilizing the World",
New York, 30 May 2017

Climate Change - What is it about?

Climate change, which has been developing, notably due to the greenhouse effect, is affecting the entire planet, promoting extreme phenomena such as droughts, heat waves, river floods, urban floods, landslides and increasingly increasing landslides.



The rise in average sea levels, ocean acidification, and biodiversity loss will also be accentuated in some places in some places. To limit global warming to 1.5 °C, considered the maximum increase in average atmospheric temperature acceptable .

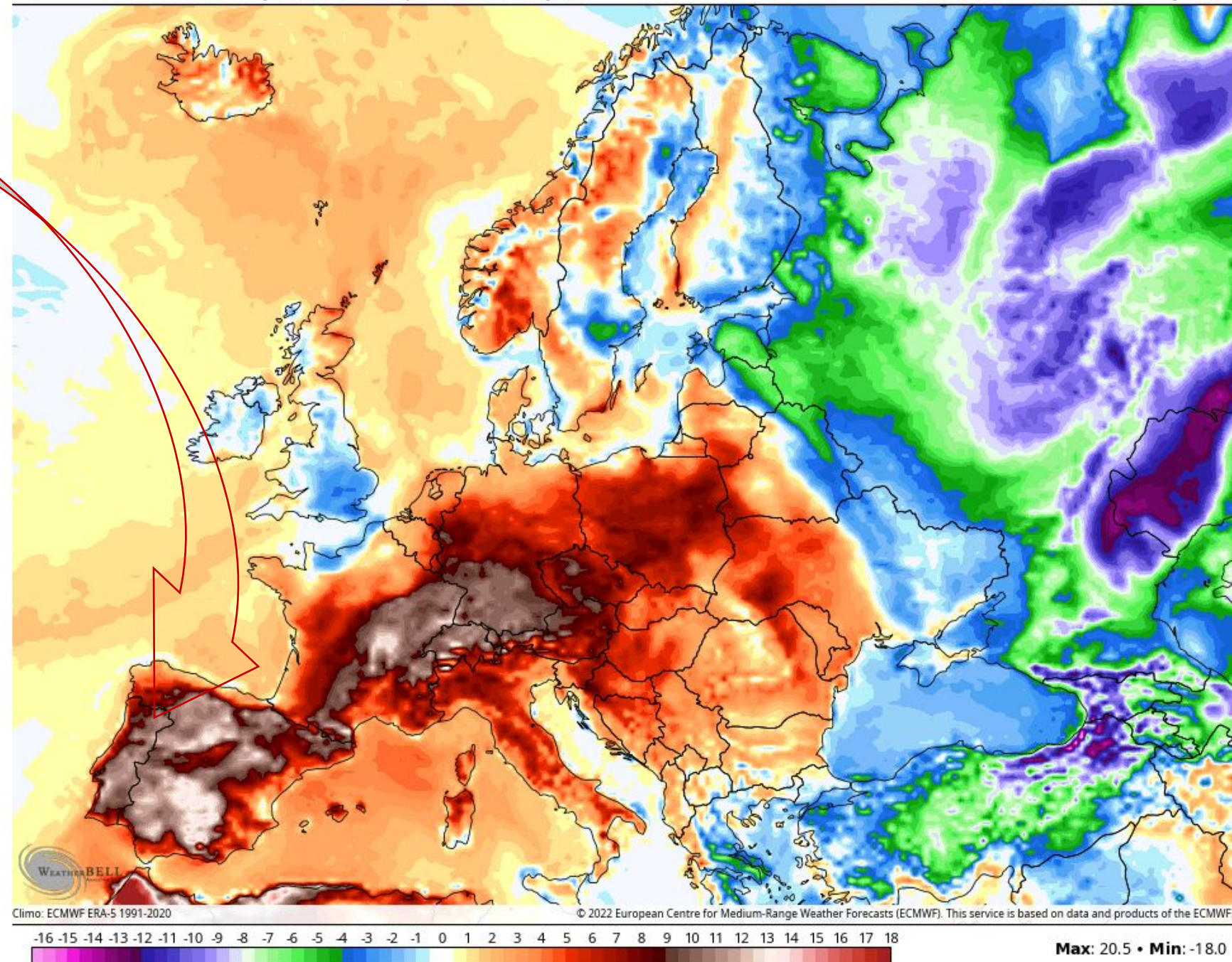


Portugal is one of the countries

countries

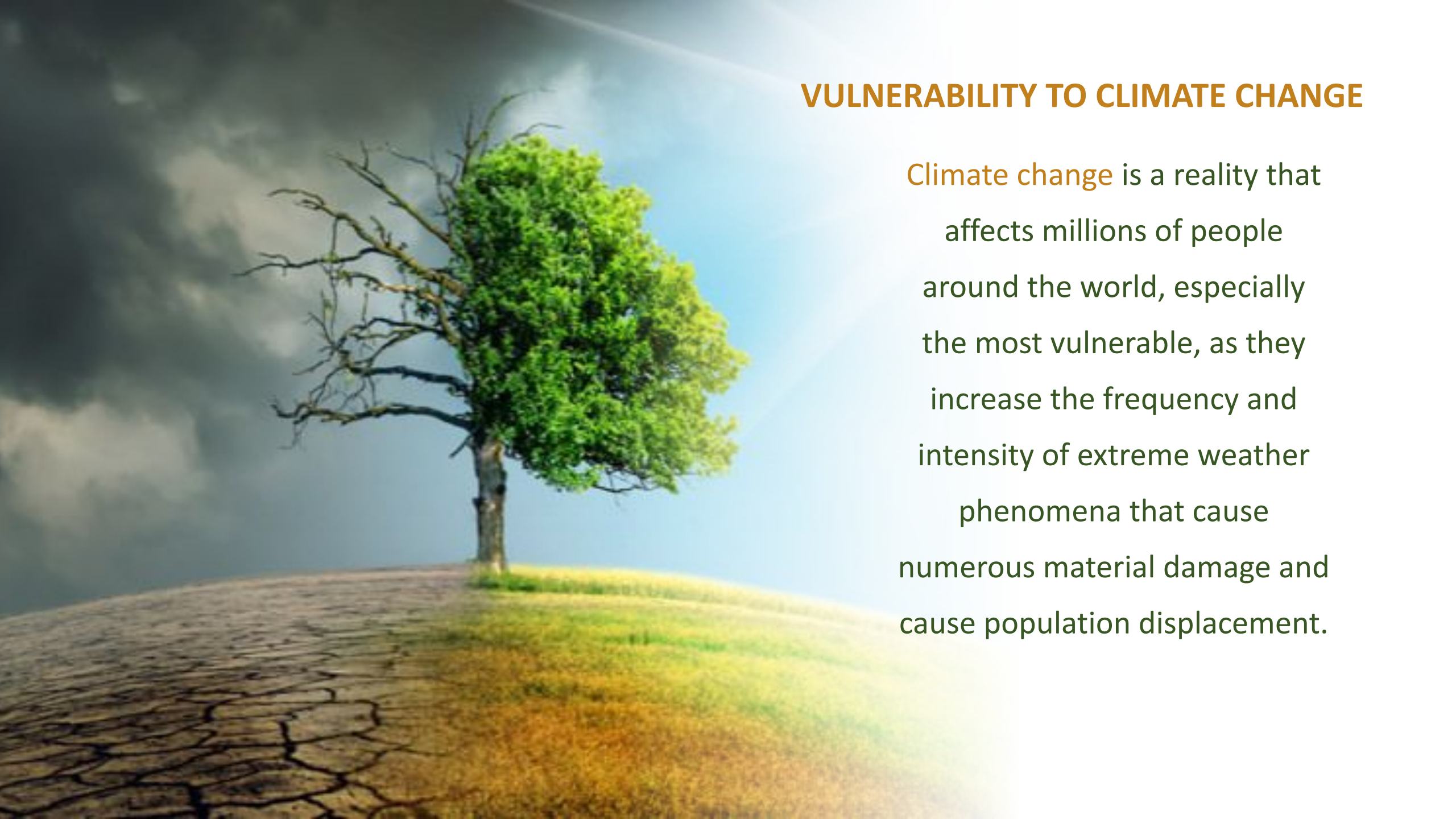
Europeans most affected by climate change, one of the called hot spots of the Europe. The territory is the our greatest asset and, as such,

we have to know how to adapt to their specificities, reducing vulnerabilities and increasing its ability to deal with extreme phenomena. (Augusto et al., 2020).



The Algarve region, in particular for having characteristics Mediterranean, is exposed to a set of climate vulnerabilities that will have impacts on different areas and sectors Socioeconomic. In recent years, years, has already dealt with situations arising from weather events related to with heat waves, fires forestry, floods and floods rapid, galley and erosion Coastal.
(Cordeiro,2021)






VULNERABILITY TO CLIMATE CHANGE

Climate change is a reality that affects millions of people around the world, especially the most vulnerable, as they increase the frequency and intensity of extreme weather phenomena that cause numerous material damage and cause population displacement.

Global warming is also behind the biggest environmental crisis in history by the unusual speed of events. Since 1880, the average land temperature has risen by 0.85 °C, sea level has risen by 19 cm and the Arctic has lost 1.07 million Km^2 of ice per decade, as revealed by the Intergovernmental Panel on Climate Change (IPCC).



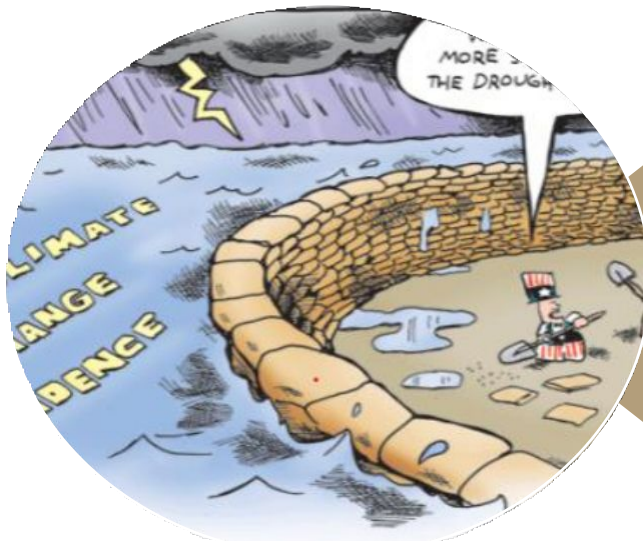


Recently, the world had focused its efforts on trying to limit emissions from CO_2 . However, in view of the latest data, the international community has diversified its efforts to drive climate change adaptation and mitigation policies.

To address the problem of climate change, there are essentially two lines of action:



Mitigation is the process that aims to reduce GHG emissions into the atmosphere (APA, 2021a).



Adaptation is the process that seeks to minimize the negative effects of climate change impacts on biophysical and socio-economic systems (APA, 2021a).

MITIGATION MEASURES AND ADAPTATION TO CLIMATE CHANGE



Winning the battle against climate change is difficult, but with everyone's effort and through appropriate mitigation measures, we can minimize the damage:



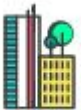
Improve energy efficiency and focus on renewable energy against fossil fuels.



Promote public transport and sustainable mobility with more urban bike journeys, fewer airline flights and more shared train and car journeys.



Promote industry, agriculture, ecological fisheries and livestock, food sustainability, responsible consumption and the 3R rule (reduce, reuse and recycle).



Build safer and more sustainable buildings and infrastructure.



Reforest forests and restore damaged ecosystems.



Diversify crops to better adapt to more changing climates.



Research and develop innovative solutions for the prevention and management of natural disasters.



Develop protocols of action in the case of climatic emergencies.

5 KEY POINTS OF THE SOCIETY THAT WILL OVERCOME CLIMATE CHANGE

1. COMMITMENT

The current climate crisis needs to be people who demand political action to the governments of their countries.

2. PARTICIPATION

Climate change requires individuals who contribute to the sustainability of their communities with practical solutions.

3. HEALTHY HABITS

Walking, cycling and eating in a wholesome way are routines that favor the fight against climate change.

4. ECOLOGICAL AWARENESS

Societies that love and respect nature help with their example in the combating global warming.

5. EFFICIENCY AND INNOVATION

Climate change needs people who prioritize energy saving and the use of renewable energy.



Let's Save the Planet.

Thank You!!

