

Sensors will measure the quality of groundwater in real time

 JAMES WILSON / JULY 22, 2022 / PRESS REVIEW



The quality of groundwater will be measured in real time with the aim of preventing the impact of climate change and human activity, in a project developed in Portugal and expected to spread throughout the world.

Called **MAR2PROTECT** the project led by the Faculty of Science and

We use cookies on our website to give you the most relevant experience by remembering your preferences and repeat visits. By clicking "Accept", you consent to the use of ALL the cookies.

[Cookie Settings](#) [Reject](#) [Accept](#)

The digital artificial intelligence tool, coordinated by FCT researchers Ana Pereiro and João Araújo, will receive real-time information from sensors placed in risky locations, so that groundwater throughout the European Union can be protected with them, he explains. the FCT in a statement.

“ *The goal is **support policy makers in combating water quality degradation**”, it says in the document. In statements to Agência Lusa, researcher Ana Pereiro says that the tool may in the future be used not only in the European Union but also in countries around the world.*

The project, he explains to Lusa, has just been approved and **will be developed by 2024**. In the following two years, **by 2026, will be placed** sensors to analyze the waters, in seven locations, two of which in Portugal, one on the Lima River and another in Frielas, in the waters of the Atlantic Tagus, which serve municipalities in the Lisbon metropolitan area.

Other sensors will be placed in Italy, Spain, Holland, Tunisia and South Africa, in order to receive varied information, linked to climate change or pollution.

“ *In Frielas, the sensor will identify contaminants with pesticides or antibiotics” and in the Lima estuary the objective is identical, says Ana Pereiro, principal investigator at the University.*

Another important part of MAR2PROTECT is related to climate change and the **lack of water** which leads the rivers to have a lower flow and therefore to suffer an increase in the amount of sea water.

The sensors, sums up, **will quantify in real time the quality of these**

We use cookies on our website to give you the most relevant experience by remembering your preferences and repeat visits. By clicking “Accept”, you consent to the use of ALL the cookies.

[Cookie Settings](#) [Reject](#) [Accept](#)

The sensors, according to Ana Pereiro, will be of various types, with the ability to identify different situations at the same time.

Ana Pereiro emphasizes that the European Union is very committed to measures that increase the quality of groundwater and ensures that MAR2PROTECT, whose main objective is prevention, **“will be useful for decision-making by political agents”**.

“MAR2PROTECT seeks a strong involvement of national and European legislators who, in collaboration with different experts, will ensure the reinforcement of European policies and collaboration in the implementation of policies to prevent groundwater contamination”, says Ana Pereiro, quoted in the statement.

The document warns that **climate and global change have “a serious impact on human health and well-being, as well as food security and biodiversity”** and that the “zero pollution targets planned for 2030 by the European Union can only be achieved if urgent action is taken”.

Country

Environment

Nature

Science

Water

World

Recent Posts

We use cookies on our website to give you the most relevant experience by remembering your preferences and repeat visits. By clicking “Accept”, you consent to the use of ALL the cookies.

[Cookie Settings](#)

[Reject](#)

[Accept](#)



Kosovo delays new entry rules on Serbian border after tense Sunday

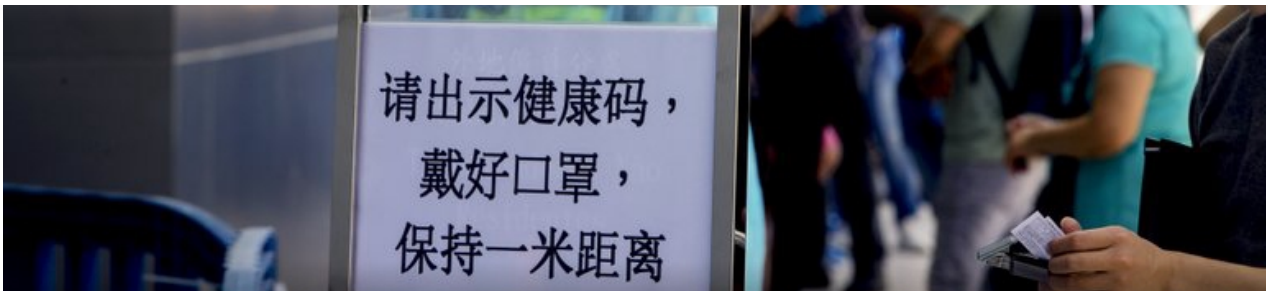
JAMES WILSON / AUGUST 1, 2022

Six firefighters injured in massive fire in southern France

JAMES WILSON / AUGUST 1, 2022

We use cookies on our website to give you the most relevant experience by remembering your preferences and repeat visits. By clicking "Accept", you consent to the use of ALL the cookies.

[Cookie Settings](#) [Reject](#) [Accept](#)



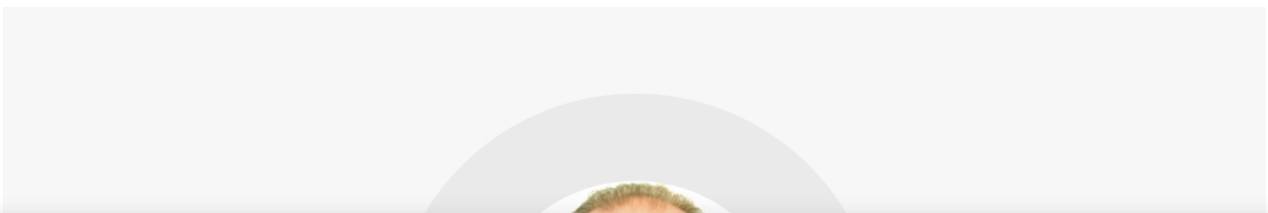
Macau lifts restrictions, maintains masks and starts requiring Covid-19 tests

JAMES WILSON / AUGUST 1, 2022



Tensions on Kosovo's border with Serbia. NATO warns it is ready to intervene if necessary

JAMES WILSON / AUGUST 1, 2022



We use cookies on our website to give you the most relevant experience by remembering your preferences and repeat visits. By clicking "Accept", you consent to the use of ALL the cookies.

[Cookie Settings](#) [Reject](#) [Accept](#)

The return of the Middle Ages to Vila Real

JAMES WILSON / AUGUST 1, 2022



New airport: the misconception of Portela+1

JAMES WILSON / AUGUST 1, 2022



We use cookies on our website to give you the most relevant experience by remembering your preferences and repeat visits. By clicking "Accept", you consent to the use of ALL the cookies.

[Cookie Settings](#) [Reject](#) [Accept](#)



Sánchez guarantees Spain's support for North Macedonia in the EU bid

JAMES WILSON / AUGUST 1, 2022



We use cookies on our website to give you the most relevant experience by remembering your preferences and repeat visits. By clicking "Accept", you consent to the use of ALL the cookies.

[Cookie Settings](#) [Reject](#) [Accept](#)



Nuclear. Tehran sends counterproposal to end talks and save deal

JAMES WILSON / AUGUST 1, 2022



Cape Verde's PR defends "serenity" and "intelligence" in Lisbon against the crisis

JAMES WILSON / AUGUST 1, 2022

Zelensky: "Today we witnessed one of the most brutal bombings of Mykolaiv since the beginning of the war"

JAMES WILSON / AUGUST 1, 2022

We use cookies on our website to give you the most relevant experience by remembering your preferences and repeat visits. By clicking "Accept", you consent to the use of ALL the cookies.

[Cookie Settings](#) [Reject](#) [Accept](#)



Constellations serve to let the stars shine. PSG wins Super Cup with goals from Messi, Neymar and Ramos

JAMES WILSON / JULY 31, 2022



We use cookies on our website to give you the most relevant experience by remembering your preferences and repeat visits. By clicking "Accept", you consent to the use of ALL the cookies.

[Cookie Settings](#) [Reject](#) [Accept](#)



Michael Masi, Former F1 Racing Director, Reveals Death Threats After Abu Dhabi Gave Verstappen First Title

JAMES WILSON / JULY 31, 2022



40% increases in light? Regulator clarifies that industrialists pay gas compensation

JAMES WILSON / JULY 31, 2022

Leave a Reply

Your email address will not be published. Required fields are marked *

We use cookies on our website to give you the most relevant experience by remembering your preferences and repeat visits. By clicking "Accept", you consent to the use of ALL the cookies.

[Cookie Settings](#) [Reject](#) [Accept](#)

Add Comment



Save my name, email, and website in this browser for the next time I comment.

Post Comment

[ABOUT](#) [CONTACT](#) [PRIVACY POLICY](#) [TERMS AND CONDITIONS](#)

Copyright © 2022 - Booksummy. All Rights Reserved.

We use cookies on our website to give you the most relevant experience by remembering your preferences and repeat visits. By clicking "Accept", you consent to the use of ALL the cookies.

[Cookie Settings](#) [Reject](#) [Accept](#)

