

Jellyfish under control: the CSIC develops in Cádiz a system that predicts the arrival of plagues to the coast

LOCATION: Puerto Real (Cádiz)

DURATION: 1:32

SUMMARY: Researchers of the CSIC in Cádiz develop a system to be able to know in advance when jellyfish groups will arrive to the coast. Knowing this information would permit administrations taking preventive measures, as the placement of an anti-jellyfish network, so they don't arrive to the coast. To determine the exact place where the plagues will arrive, these researchers must take into account the influence of the environment in jellyfish apart from winds and tides. They use buoys equipped with a GPS system to follow these groups.

VTR:

Jellyfish plagues are a problem we find every summer; but, how can we avoid them getting to the coast? The answer is in a tool developed by the CSIC designed to anticipate the exact place where these invertebrates will show up.

LAURA PRIETO
Researcher of the CSIC

"Finding jellyfish or in a specific location of the coast depends on the effect of meteorology and oceanography."

And their amount is determined studying how their environment affects them. To follow their trace, these scientists use buoys equipped with a GPS system. They are being tested in Cádiz, and as jellyfish, move with tide.

LAURA PRIETO
Researcher of the CSIC

"This way we can place a buoy in the centre of the group of jellyfishes and..."

RAÚL GARCÍA
Researcher of the CSIC

"Knowing when they will approach the coast, also monitoring the jellyfish population or the route they have."

Knowing where they are going to show up permits...

LAURA PRIETO
Researcher of the CSIC

"Helping the administration knowing when they must install the nets that stop jellyfish from arriving to the coast."

Because nets like this one could protect bathers from its painful stings. They would form a barrier against jellyfish installed in the seabed or these buoys. Their high maintenance costs make important knowing if they are necessary.

LAURA PRIETO
Researcher of the CSIC

"Knowing if you will have in in summer more or less jellyfish can help you managing your resources."

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