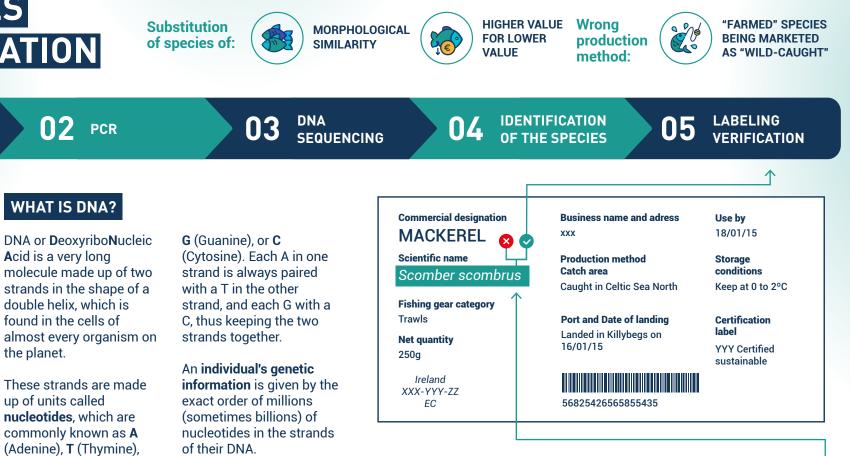
FROM DNA TO SPECIES IDENTIFICATION

DNA

EXTRACTION

1)FI

FOOD FRAUD CAN HAPPEN AS A RESULT OF...



WHAT IS A PCR?

The acronym PCR comes from "Polymerase Chain Reaction", and it is a technique that allows to produce millions of identical copies of a DNA fragment. It is done in a laboratory device called a thermocycler.



DNA SEQUENCING: SPECIES IDENTIFICATION

After extracting DNA from fish cells, PCR is used to make many copies of a **short fragment**, whose **nucleotide sequence** is unique to a given species.

By comparing that sequence with a database, we can **know the species** to which that individual belongs.

This is of great importance to verify the accuracy of the label under which the fish is sold, that is, to verify that a fish belongs exactly to the species it is sold as.



SEATRACES Tras la pista del pescado