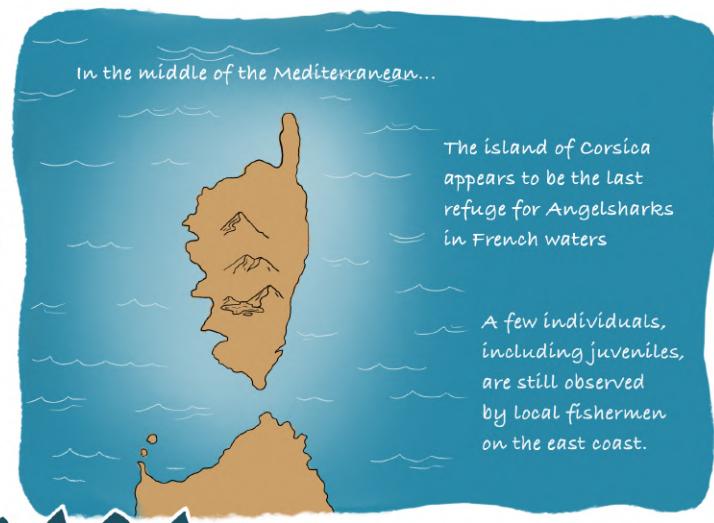
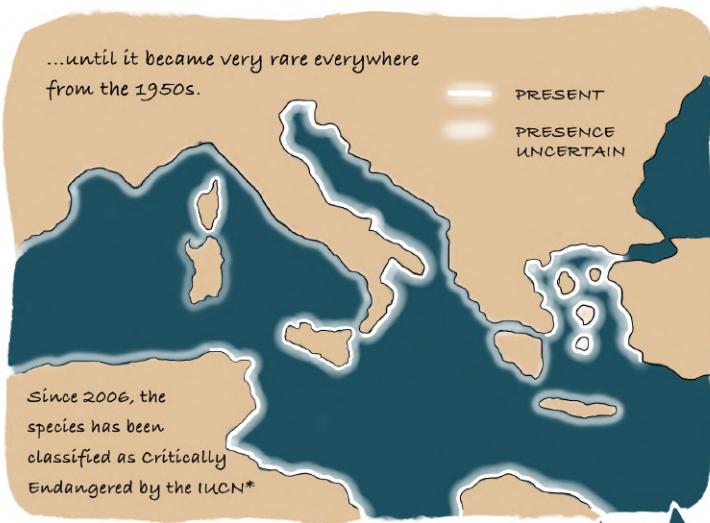
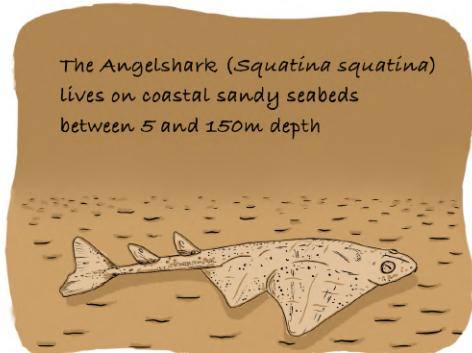
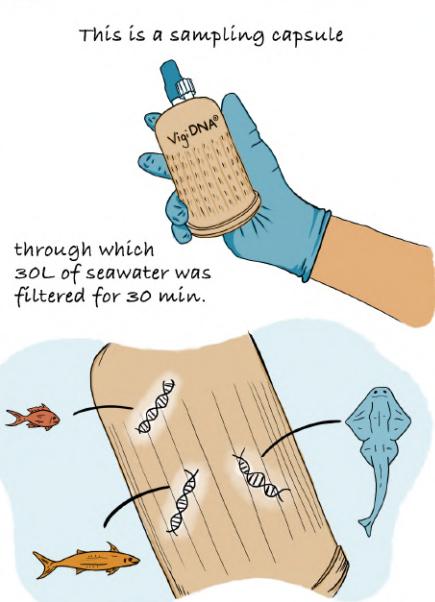
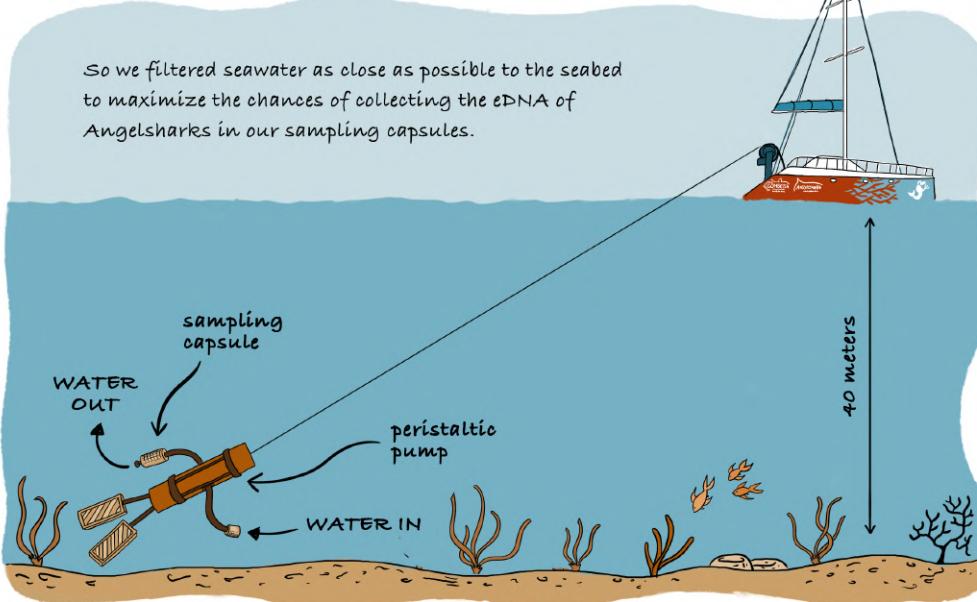
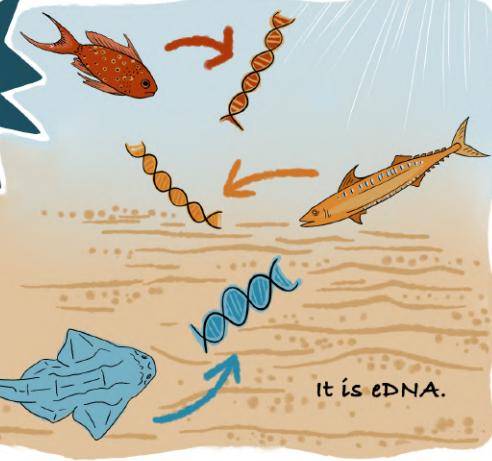


# One of the last refuges for Angelsharks



...environmental DNA barcoding!

This technique relies on the DNA left behind by organisms through the loss of their scales, blood or excrement for example...



After 6 days of filtration...



...along 190 km of Corsican coastline

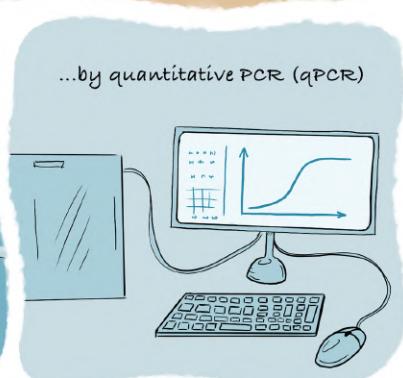


We obtained 76 sampling capsules full of eDNA!

Then we took these samples directly to a laboratory in the Alps

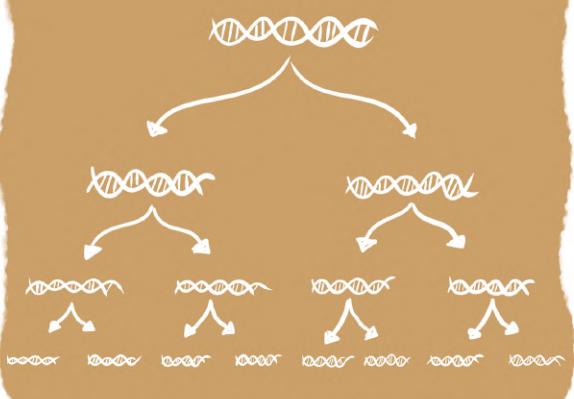


Back in Montpellier, we analysed our samples in Lab...

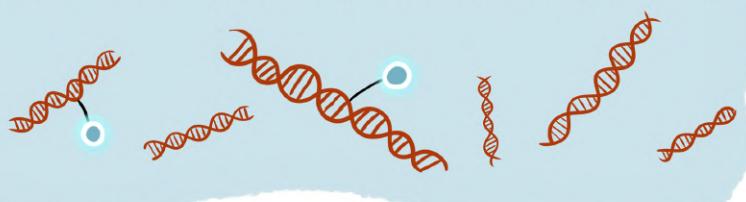


...by quantitative PCR (qPCR)

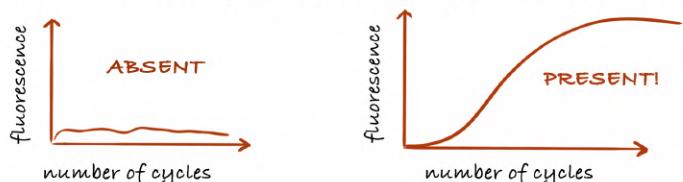
The qPCR method allows to amplify only a target DNA: in our case Angelshark eDNA



This method relies on a fluorescent dye that binds only to Angelshark eDNA



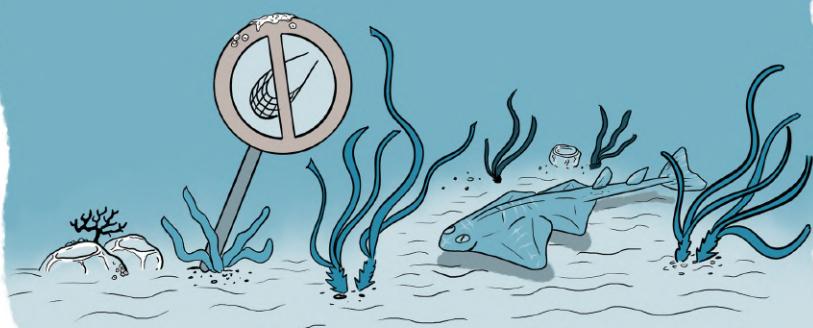
So when Angelshark eDNA is present in a sample, even in low quantity, we observe an increase in fluorescence due to amplification of this eDNA.



Through these analyses, we detected 6 sites where the shark is present!



These positive results could lead to the implementation of protection measures on these sites.



Particularly on seagrass beds on which this species depends. END.

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