



Instituto Nacional de
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COMPARATIVE ANALYSIS OF THE RESISTOME AND THE MOBILOME OF ESTUARINE AQUACULTURES AND OTHER AQUATIC ENVIRONMENTS

TERESA NOGUEIRA



**The One Health EJP
Annual Scientific Meeting**

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Antimicrobial Determinants in Aquaculture Environments



Teresa Nogueira

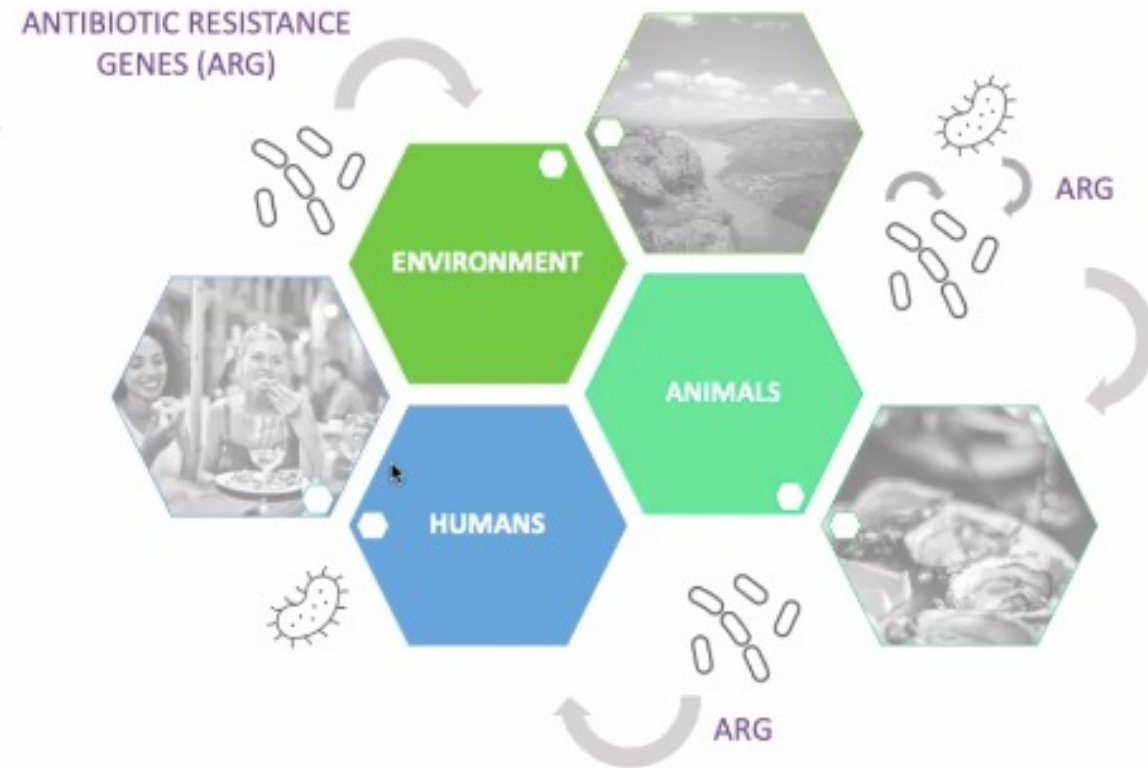


THE ONE HEALTH CONCEPT

One Health is an approach that recognizes that the health of people is closely connected to the health of animals and our shared environment.

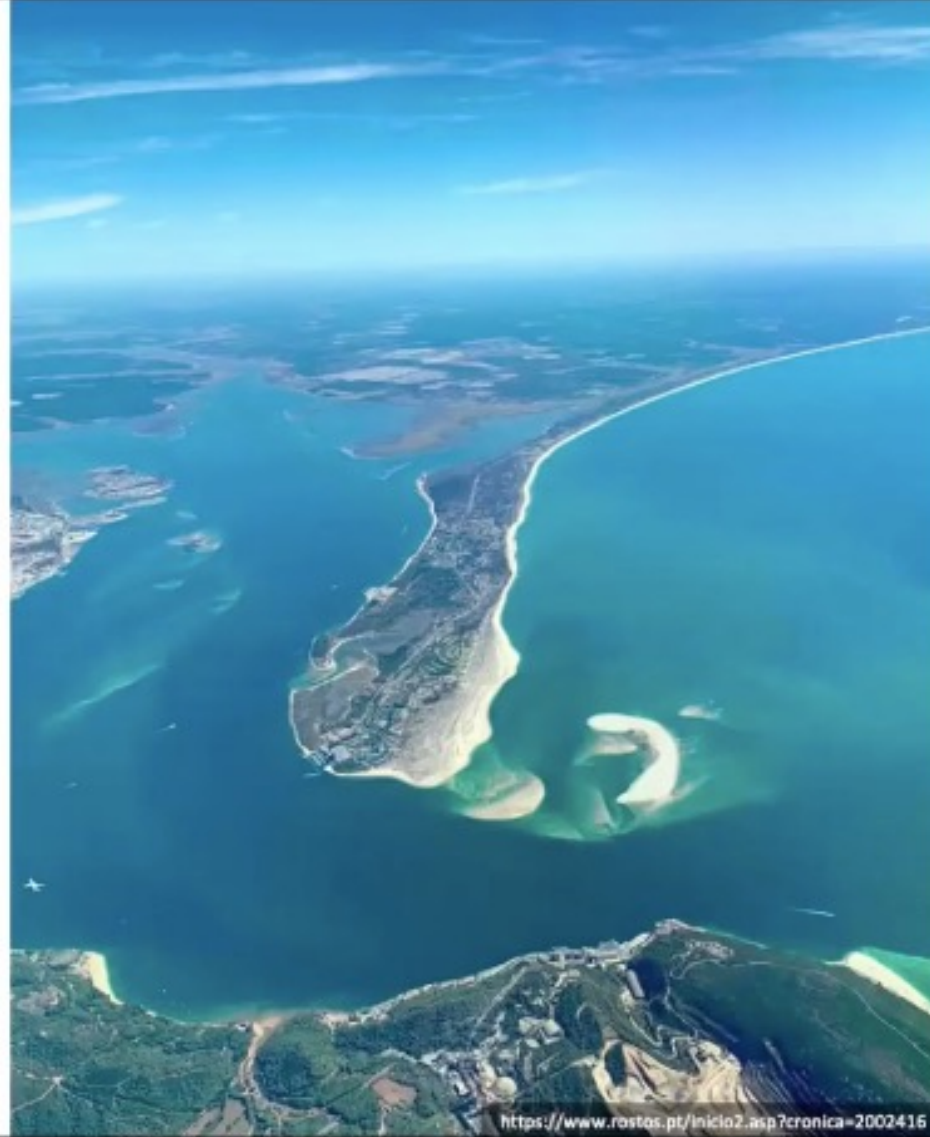
One Health issues include zoonotic diseases, antimicrobial resistance, food safety and food security, vector-borne diseases, environmental contamination, and other health threats shared by people, animals, and the environment.

CDC - <https://www.cdc.gov/onehealth/>



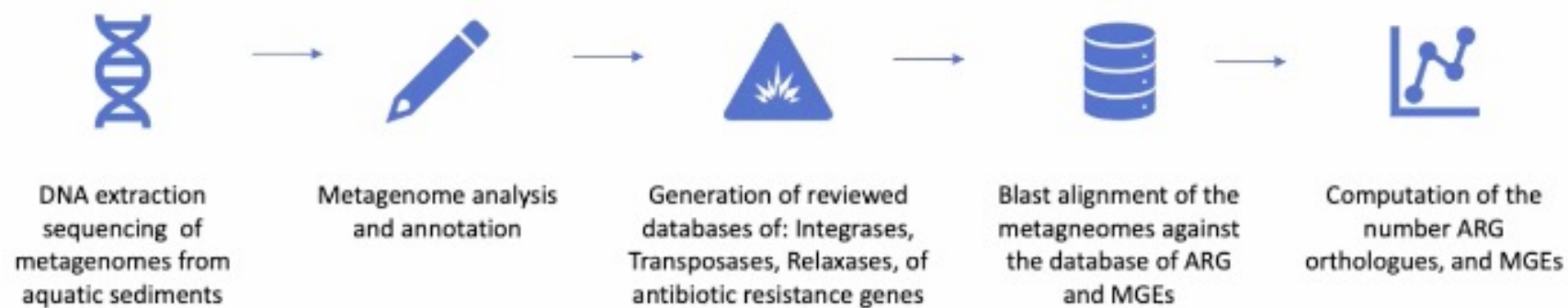
AIM OF THE WORK

To perform a comparative analysis of the ARGs profiling of bacterial communities of sediments of semi-intensive aquaculture farms in Portugal and compare and other aquatic environments



all Teresa Nogueira

METHODS – THE PIPELINE



illumina

MG-RAST
metagenomics analysis server

UniProt

ResFinder
database

DTU

NCBI
BLAST



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OYSTER METAGENOMES

