

## A MULTI-COMPARTIMENTAL APPROACH OF MICROPLASTIC DISTRIBUTION IN THE NORTHEN ALBORAN SEA.



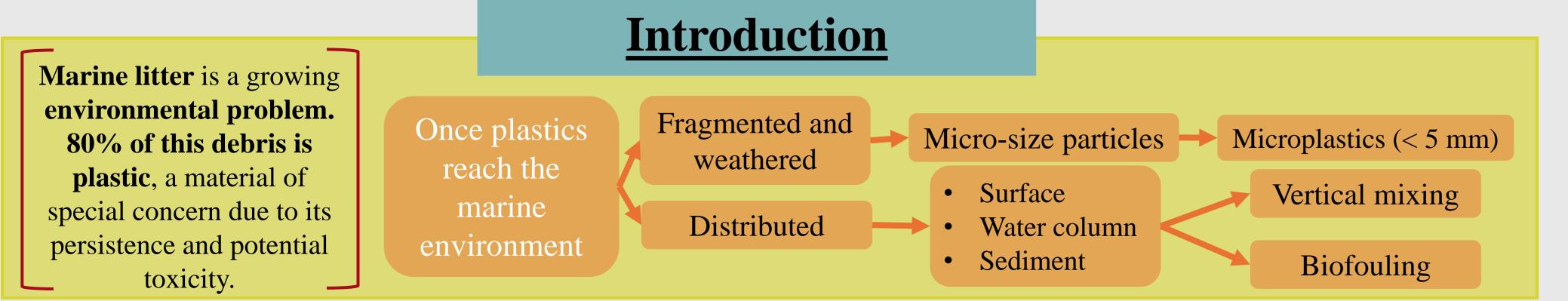
L. Torres Abellan<sup>\*1</sup>, R. Quintana Sepúlveda<sup>1</sup> & C. Morales Caselles<sup>1</sup> <sup>1\*</sup> Marine Sciences, laura.torresabellan@alum.uca.es

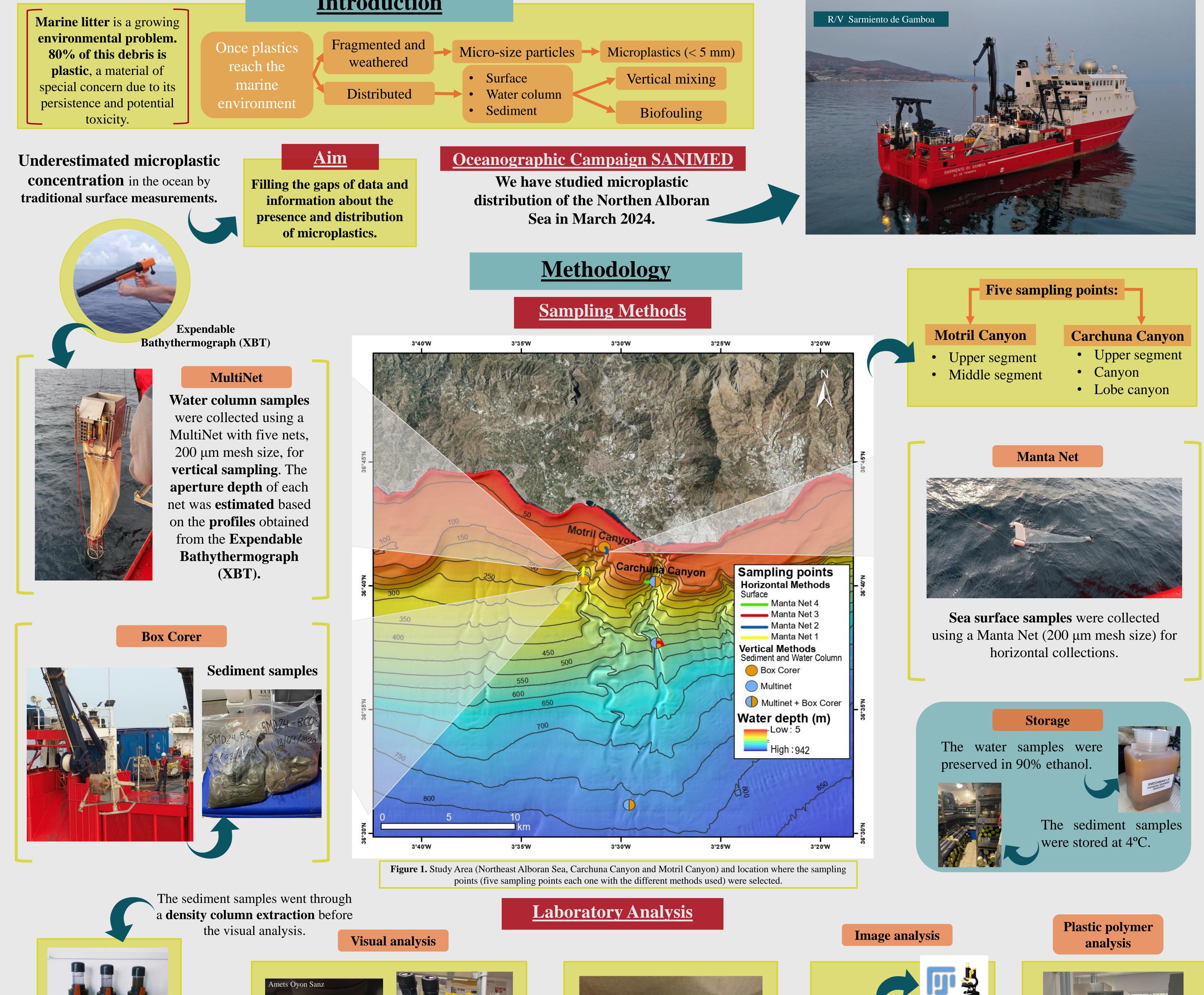
<sup>1</sup>Department of Biology, Ecology Area, INMAR, rocio.rodriguez@uca.es,

carmen.morales@uca.es



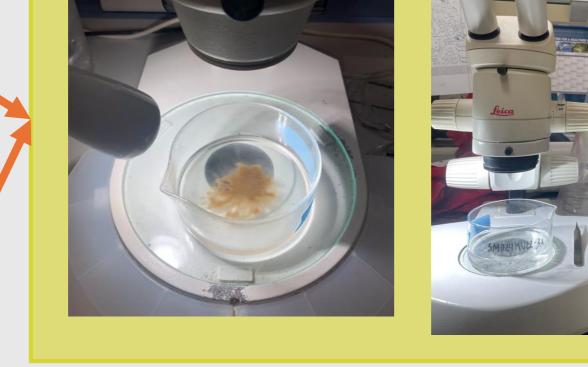
Facultad de Ciencias del Mar y Ambientales





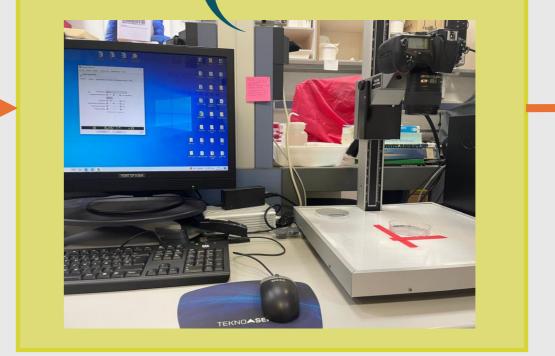






**Stereomicroscope and tweezers** Processed samples by separating microplastics individually from the matrix.

**Petri dishes** Each individual microplastic was placed in a petri dish.



ImageJ/Fiji software

• Particle measurements.

• Particle RGB color.

**Fourier transform infrared** spectroscopy (FTIR)

## Conclusion

It is expected that the results will provides additional observational data to understand how microplastics concentrate and distribute in the water column and in different environmental compartments according to variables such as particle type, shape, polymer composition or size.

## Acknowledgements

Acknowledgment to the crew of the research vessels (R/V) Sarmiento de Gamboa and to the SANIMED project (Sediment gravity fluxes and anthropogenic impacts in a Mediterranean deltaic-canyon environment, northern Alboran Sea).