



GEA-Young Researcher SoE: *Sphyrnidae* Circadian and Ultradian Behavioural Analyses "SCUBA"

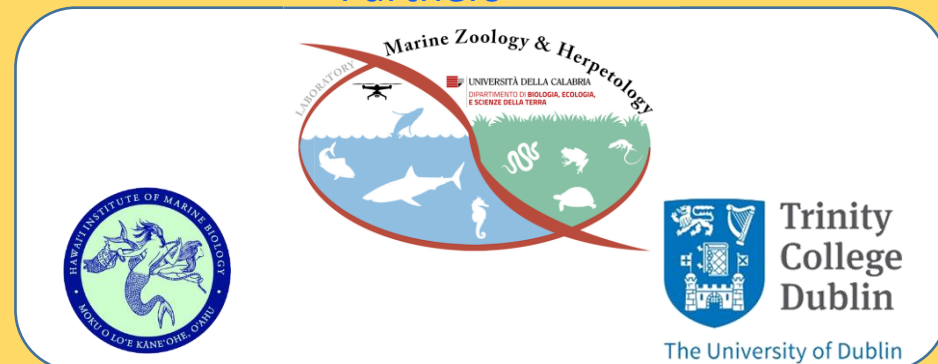
The project's primary aim is to delve into the circadian and ultradian rhythms governing the behaviour of the Scalloped Hammerhead shark, *Sphyrna lewini*.

Using a novel interdisciplinary approach (combining chronobiology, experimental biology, sensory biology, telemetry, and population genetics) the research proposed is expected to gain insights about:

- 1) the function of rhythmicity in Rolling Swimming Behaviour in *S. lewini*, in relation to navigational strategies and resting behaviour
- 2) circadian organization and identification of entraining environmental variables;
- 3) putative (epi-)genetic markers responsible for phenotype plasticity.



Partners



Call: GEA-Young Researcher SoE

Type of Action: MSCA IF

Acronym: SCUBA

Duration: 24 months

Start Date: 2023-01-01

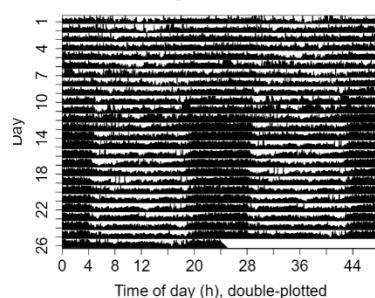
Estimated Project Costs: € 150.000

Requested EU Contribution: € 150.000

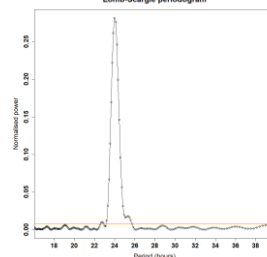
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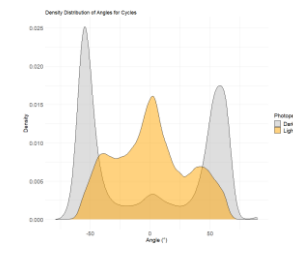
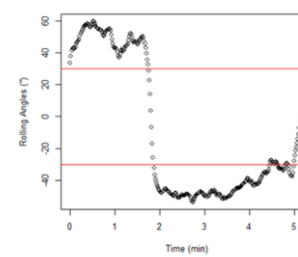
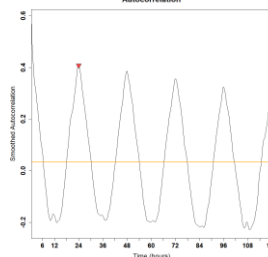
Actogram of: ODBA



Lomb-Scargle periodogram



Autocorrelation



This project has received funding from MUR (project ID SOE_0000169).