

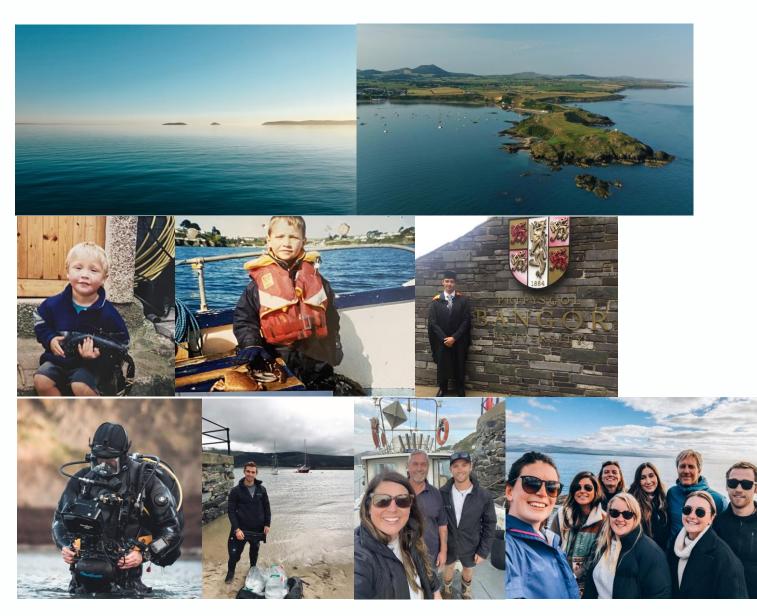
### SIARC (Sharks Inspiring Action and Research with Communities) Below the surface of the Welsh coast using BRUVS

#### Jake Davies – Project SIARC Technical Specialist Natural Resources Wales / Zoological Society of London

Jake Davies, Tom Letessier, Joanna Barker, Ben Wray, Jessica Meeuwig, Jason Meeuwig, Kate Moses, Alice Chamberlain, Sarah Davies, Charlotte Pike, Dave Curnick, Matt Gollock, David Jimenez Alvarado & Eva Meyers.



#### Positionality





2016 – 2017 – NRW Welsh Language placement with Intertidal & Coastal Team

2018 – 2022 Angel Shark Project: Wales Project Coordinator

2022 – Present PS Technical Specialist







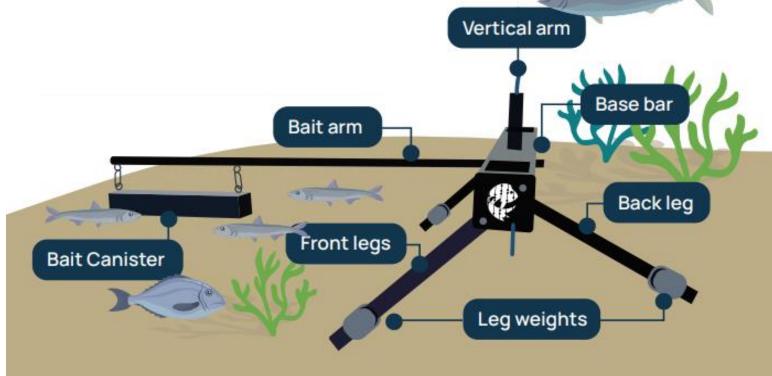
Project SIARC will catalyse links between fishers, researchers, communities and government to collaborate and safeguard elasmobranchs and support a green recovery in Wales.



# What are Baited Underwater Video Systems (BRUVs)?



Baited Remote Underwater Video Systems (BRUVs) are widely used as a nondestructive electronic tool to investigate the abundance and diversity of fish in marine and freshwater environments.



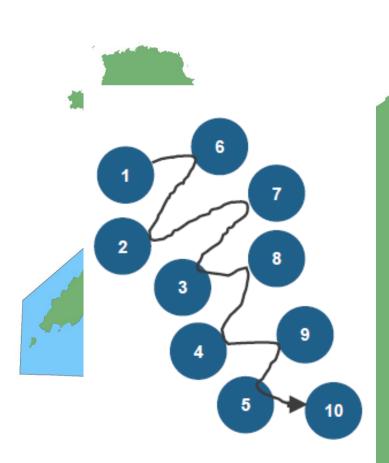
**Carbon Fibre Benthic Stereo BRUVS** 







# What is involved in BRUVS surveys?

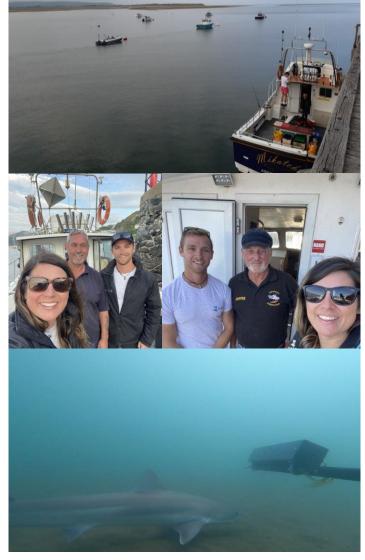


Cronfa

ON THE EDGE

- Deploying within the Pen Llŷn A'r Sarnau Special Area of Conservation.
- Deployments are carried out with three charter skippers within the region :
  - Pwllheli Highlander
  - Barmouth Warrior
  - Aberdyfi Mikatcha
- Six BRUVS Deployed at a time
- Each deployed for a minimum of an hour
- Up to 18 BRUVS in one day







Mewn Partneriaeth â Llywodraeth Cymru In Partnership with Welsh Government

### Baited Remote Underwater Video Systems (BRUVS) – 2022 / 2023 Green =

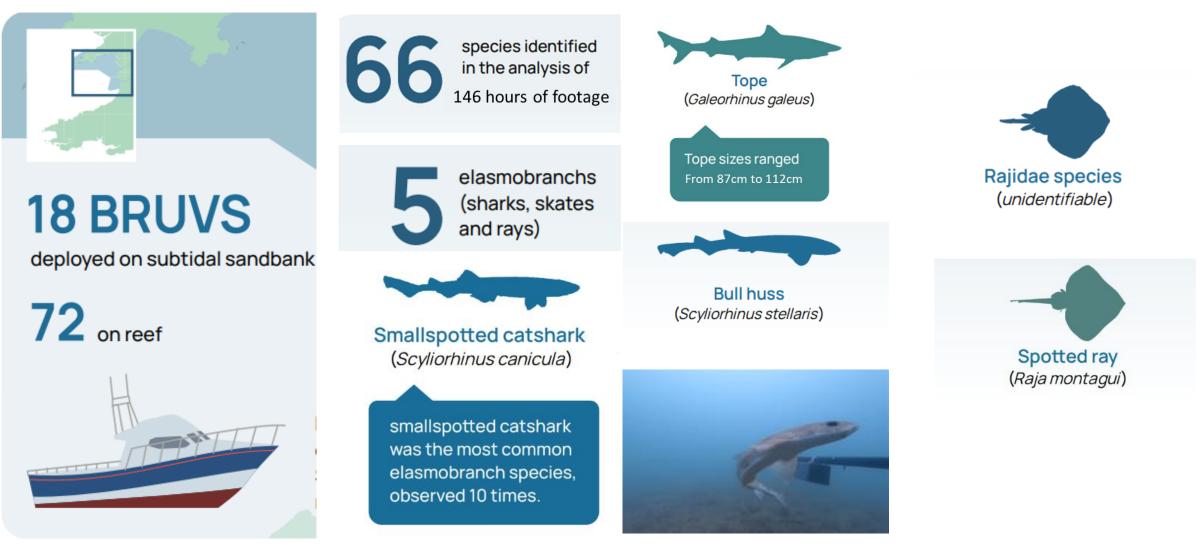
- 169 BRUVS deployed
- Deployments deployed on Subtidal Sandbank features, Reefs and within the wider Large shallow inlets and bays.
- Reefs include Sarn Badrig, Sarn y Bwch, Sarn Cynfelyn & Gimblet shoals
- Deployed from Pwllheli, Barmouth and Aberdyfi







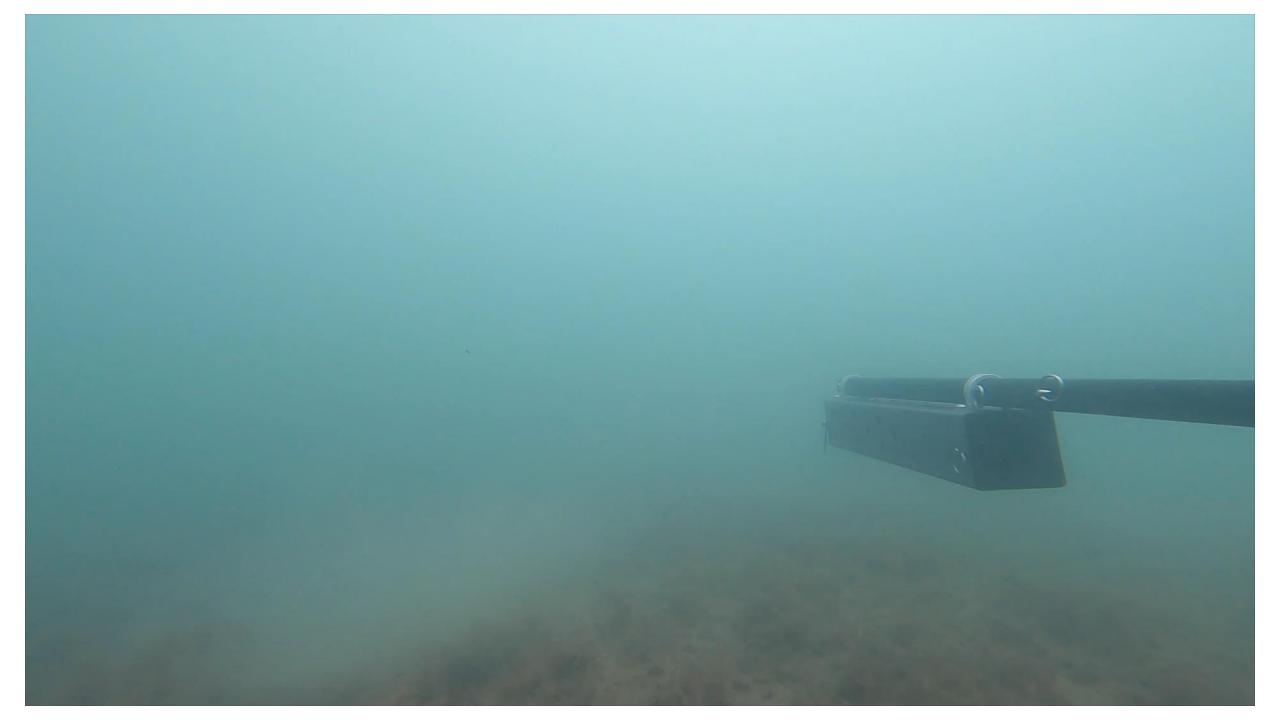
# 2022 results - Addressing data gaps













# How is BRUVS footage being used?

Distribution Life History

Habitat use

Interaction with SAC protection features

AND

As a tool to increase access to life below the water of the Welsh coast.



## Enhancing inclusivity with Instant Wild



An online tool that allows the public to identify wildlife species from remote camera footage across the world

Data collection whilst increasing awareness of the elasmobranchs present in Welsh waters

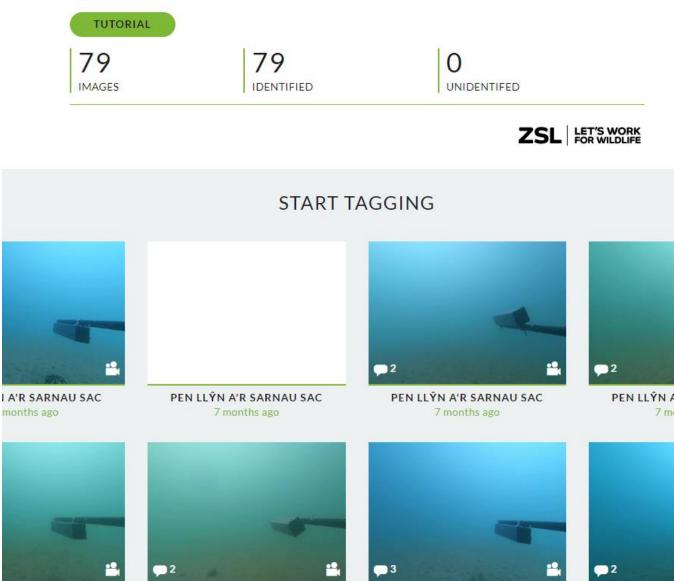


#### Project SIARC



Help Project SIARC monitor the wonderful sharks, skates and rays found around the coast of Wales.

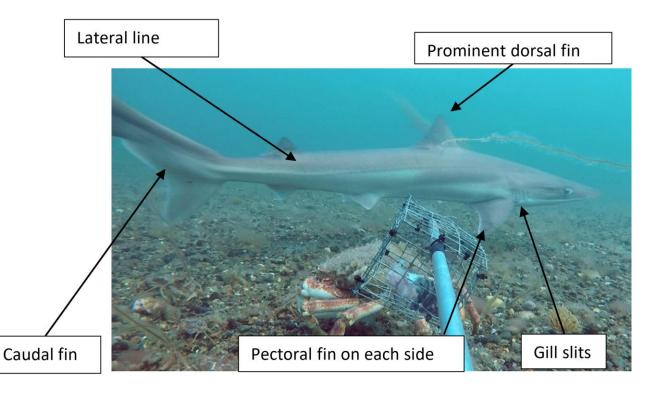
+ Read more



# Learning through BRUVS

- Project specific tutorial helps beginners to build their confidence and get started
  - <page-header>
- Detailed guides provide opportunities for more in depth learning, for users looking to increase their knowledge

SIARC





# Impact and reach



- Over 3,031 sessions completed in Wales since launching in November 2022
- 1,876+ new users registered on Instant Wild
- All Project SIARC footage uploaded to the platform has been successfully tagged
- Featured on BBC Wales News
- Recently on BBC's The One Show -Instant Wild saw an increase of 186% following the piece.









## **Feedback from users**

"I am now in my 70's and used to be a scuba diver. These videos help me relive that wonderful part of my life and see life I've never seen before."

"As a non native english speaker I learned that the english language distinguishes between rays and skates as well as sharks and dogfish"

## Looking ahead

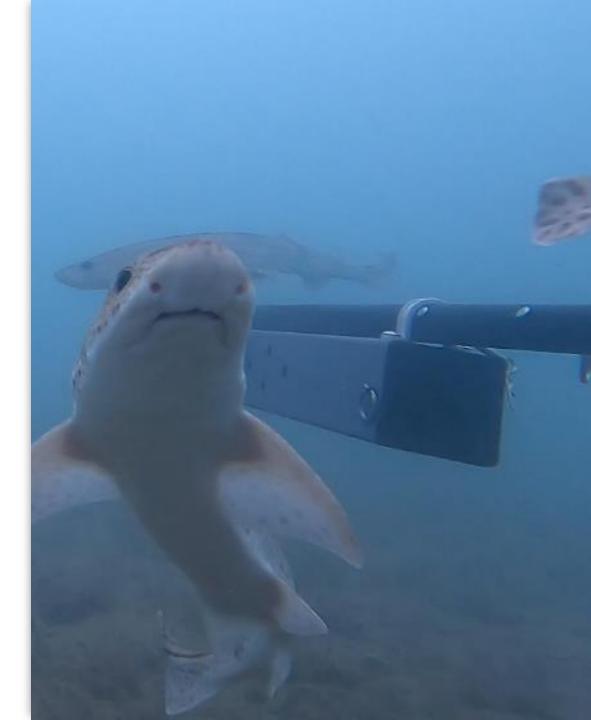
More surveys scheduled for 2024/25

Upload onto Instant Wild

Analysis of data

Publication of peer-reviewed paper















## Thank You for listening

- Siarc@zsl.org
- @ProjectSIARC
- www.projectsiarc.com









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