

“SeaChanges¹ - Thresholds in human exploitation of marine vertebrates”, Marie Skłodowska-Curie Actions-ITN
Instituto de Investigaciones Marinas, Consejo Superior de Investigaciones Científicas, Vigo, Spain



Broad research interests...

- ✓ Marine biology & ecology
- ✓ Marine mammal science
- ✓ Wildlife and environmental conservation
- ✓ Human/wildlife conflicts

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... and more specifically

- ✓ Using strandings to access information on the biology/ecology of marine mammals
- ✓ Life history traits, foraging ecology, health status, threats
- ✓ Ecological modelling, stable isotopes analyses, necropsies, etc.

Why stable isotopes?

- ✓ **Chapter 4 PhD thesis** - Investigating changes in the diet and the trophic position of common and striped dolphins in waters of Galicia (NW of Spain). Temporal changes & isotopic niche overlap
- ✓ **Samples** - skin samples of 81 common & 62 striped stranded/bycaught dolphins (2004 – 2021)
- ✓ **Database** - year, area, biological parameters (sex, length, health status, diet from stomach contents, cause of death)
- ✓ **Bulk SIA** - on all samples / **Compound specific SIA** - on a few samples

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Why this course?

- ✓ Consolidate theoretical knowledge of bulk SIA (laboratory analyses and results correction)
- ✓ Acquire solid understanding of application of CSIA (from samples preparation to data analyses)
- ✓ Learning how to combine bulk and CSIA results in ecological studies
- ✓ Training and networking opportunity