

SCORE – a guide for study grant projects at MASTS organizations

From landscapes to freshwater invertebrates: understanding the effects of peatland restoration on Atlantic Salmon (*Salmo salar*) habitat in the Flow Country.

Scotland's Deep-Water Blue Carbon Resources: Sources, Rates and Fates.

Optimisation of essential habitat in sustainable fishery management

The coexistence of aquaculture and inshore fisheries in Scotland: An ecotoxicological approach to establish potential contamination pathways in commercially important crustacean species

Estimating the dispersal capacity of Scottish blue mussel: From hydrographic modelling to genetic population structures

Life history and dispersal of the alien seaweed *Sargassum muticum* in Scottish coastal waters: an individual-based modelling approach

What is the role of discarding in the recovery of a heavily fished marine ecosystem: a case study in the Firth of Clyde?

Genomic analysis of population connectivity in the Scottish marine protected areas network to inform nature conservation

Environmental DNA (eDNA) monitoring for invasive non-native species to protect marine biodiversity

Making the most of monkfish and megrim: survey-based assessments and sustainable exploitation

Marine oil snow (MOS): understanding its formation and role in the microbial biodegradation of crude oil

FronDS to forests: Individual-based and whole-forest models of kelp

Assessing dynamic seabed change on the UK continental shelf

Multi-disciplinary connectivity investigation of Priority Marine Features in Scottish waters using bio-physical modelling and population genomics

The implications of spatial and temporal variation in marine biodiversity of demersal species for community ecology, marine policy and the Scottish fishing industry

Foraging ecology of great black-backed gulls and their impact on Atlantic puffin populations

Understanding marine microplastic dynamics using macroplastics as a proxy

Underpinning marine spatial planning of Blue Carbon resources; Orkney Islands Catchment Audit case study

Long-term temporal dynamics of an over-sea migrant bird assemblage

Ecotoxicology of environmental chemical discharge on marine invertebrate organisms

Inter-specific Interactions: investigating the role of grey seals in the harbour seal decline

The impact of climate change driven multiple stressors on UK intertidal macroalgae

Unlocking the enigma of Scottish harbour porpoise fine-scale habitat use

Using multibeam sonar to monitor animal behaviour and environmental interactions at marine renewable energy sites

Immunogenic status of salmonid populations in Scotland

Killer whale predation of harbour seals in the coastal waters of Scotland: Investigating the ecological drivers and consequences of an apex predator-prey interaction

Organism and ecological impacts of electrofishing in Scottish shallow coastal habitats

Assessing the impact of environmental chemicals on seabird development and health

Managing the impact of recovering mobile predators on endangered birds through prey switching: a field experiment in a habitat restoration landscape in the Cairngorms

Processing and fluxes of DOM in peat-pools and lochans

Investigation of the utility of a commercial scale integrated multi-trophic aquaculture (IMTA) system with salmon, shellfish, and seaweed

Invisible Threats to Oceans (InTO): assessing the combined toxicity effects of emerging anthropogenic pollutants on microbial communities
The impact of changes in management, climate, and sea level on blue carbon and greenhouse gas emissions in coastal wetlands
Linking microbial physiology with carbon transformations in peatlands under land use change
Ecological and evolutionary resilience of iconic amphibian species to environmental change
The significance of macroalgal detritus for marine food webs and blue-carbon sequestration
Understanding and exploiting stoichiogenomics to harness reactive nitrogen in sustainable food production systems
Modelling the impact of spatial fishery closures on commercially exploited shellfish stocks
Lab on a chip: using nano-plasmonics tongues for building miniturized ecosystem sensors
Understanding the scale, impact, and potential mitigation of marine animal entanglement in the Scottish static gear fishery
Climate Change and Predator-Prey Populations: C2P3
Methane-derived carbon in upland stream foodwebs: characteristics and significance for carbon cycles

Development of an acoustic classifier for delphinid species off the west coast of Scotland
Investigating minke whale acoustic and foraging ecology to underpin MPA-based conservation
Examining the human-predator interface of the North Sea: interactions between man-made subsea structures, marine predators, and commercial fisheries
An evo-devo approach to invasive biology and adaptation to climate change
Sources, Sinks, and Subsidies of Carbon within Coastal Saltmarsh Habitats
Quantifying antibiotic resistance and antibiotic resistance selective chemicals in the River Almond Catchment Area - a baseline for risk assessment and intervention targets
River Robots: Utilizing novel autonomous technologies, observations and models to investigate freshwater coastal dispersion
The effects of parasites on food web structure and dynamics: new ways to improve accuracy and ecological realism
Assessing benthic recovery following cessation of salmon farming using eDNA metabarcoding (ABReDNA)
Plankton size diversity in Scottish coastal waters: combining modelling and long-term observations to understand climate change impacts on planktonic communities and food-webs
Marine Soundscapes and eDNA for Assessing Biodiversity and Functioning of Re-establishing European Flat Oyster Reefs, *Ostrea edulis*
On the edge of the abyss: applying an energetics approach to explaining Atlantic salmon survival at sea
Water bodies as interfaces and pathways for zoonotic and livestock pathogen transmission in Africa and Scotland
Integrating genomics and modelling to predict climate change response and identify drivers of decline in the endangered freshwater pearl mussel (*Margaritifera margaritifera*)
Multistressor impacts of ocean acidification and warming on regeneration and biomineralisation in coastal sea urchins
The effect of contaminants on mechanisms underlying invasive species impact
The blue mussel *Mytilus edulis* as an indicator species for modelling marine connectivity in Scotland
Neoparamoeba peruans: its unique microbiome and Impact on Ameobic Gill Disease and Gill Health in salmon
Towards enhanced black-legged kittiwake metapopulation modelling in the context of global change and renewable energy development