

What can **Genetics** do for **Fisheries and Aquaculture?**

Fisheries

Aquaculture

Genetics Genomics

Resilience

Traceability

Heritability

Selective
Breeding

Archived
Collections

Environmental
Changes

Real-Time
Management
Advice

Parentage
Analyses

Marker
Assisted
Selection

Connectivity

Species &
Stock ID

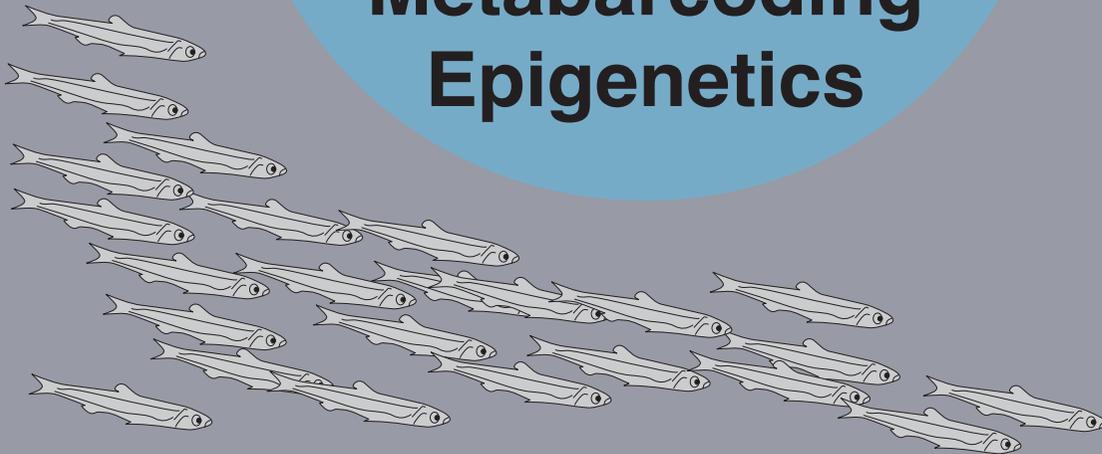
Implications of
Harvesting

Reared vs. Wild
Interactions

Diseases
Diagnose

New Frontiers

**eDNA
Microbiomes
Transcriptomics
Adaptive Diversity
Population Sizes
Metabarcoding
Epigenetics**



The Working Group on the Application of Genetics in Fisheries and Aquaculture (WGAGFA)

Promotes the inclusion of genetics and evolutionary concepts and methods as important elements in the management of fisheries and aquaculture.

Establishes a representative, sustained and engaged scientific forum across ICES countries to discuss technological and statistical developments and new ideas in genetics/ genomics, salient opportunities for research consortia, and exchange at the science-policy interface.

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