

GENOMICS FOR ENVIRONMENTAL PROTECTION AND MANAGEMENT

ID-Gene ecodiagnosics Ltd is a spin-off of the University of Geneva committed to develop DNA services for bioassessment and environmental monitoring.

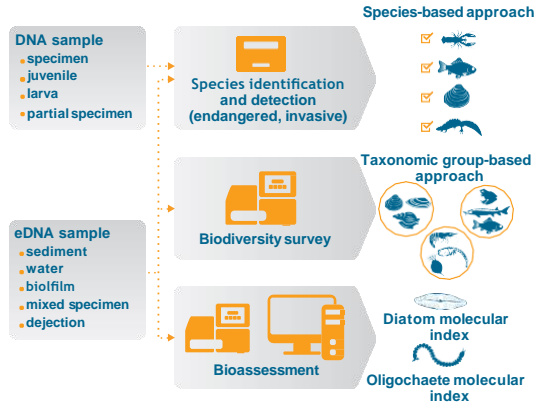
Our goal is to provide fast, sensitive and reliable environmental DNA solutions to governmental agencies, environmental assessment companies and the industry.

Our DNA tests respond to the growing demand for new environmental impact assessment tools that can complement or replace the morphology-based methods.

Our solutions integrate machine learning algorithms to predict accurate biotic indices values.

Bioassessment and biomonitoring:

- **assessing** the quality of aquatic ecosystems using a broad spectrum of bioindicators
- **measuring** the environmental impact based on molecular biotic indices
- **monitoring** the spatial and temporal impact of industrial activities in marine and freshwater environments
- **ensuring** regulatory compliance for eco-labeling



Biodiversity inventories:

- **establishing** comprehensive lists of species present in ecosystems
- **assessing** species richness and relative abundance
- **providing** ecological information about selected species

Species detection and identification:

- **identifying** rare/endangered/invasive species
- **detecting** the presence of parasitic organisms in water
- **authenticating** the identity of biological control agents
- **tracing** authenticity and origins of trade goods

WHO WE ARE WORKING WITH

- **Governmental agencies**
- **Environmental assessment companies**
- **Industries**

ID-Gene has a state-of-the-art laboratory facility in Geneva, with access to the newest biotech equipments. The company is controlling all steps of samples processing, from eDNA sampling to PCR amplification, high-throughput sequencing and sequence data analysis.

READY-TO-USE SOLUTIONS

- **ID-Gene Diatom Molecular Index**
- **ID-Gene Marine Benthic Monitoring**
- **ID-Gene Aquatic Invasive Species Survey**

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OUR ASSETS

- **Up-to-date reference databases of extensive eDNA data**
- **Proprietary algorithms for eDNA data mining and biostatistical analyses**
- **High-quality standards of samples processing**