



at the cutting edge of biodiversity

Team Spirit

Participation and Dedication

Change and

Continuous Improvement



excellence
multidisciplinary
initiative
creativity and
curiosity
communication and trust



2009
2010
2011





Bio3 IS A CONSULTANCY AND RESEARCH COMPANY THAT RECONCILES HUMAN DEVELOPMENT WITH BIODIVERSITY MANAGEMENT AND CONSERVATION.

FOUNDED IN 2005, **Bio3** HAS ALREADY DEVELOPED THE BIOLOGICAL SECTION OF **350** PROJECTS.

OUR SERVICES

BIODIVERSITY **S**URVEYS AND **A**SSESSMENTS

ECOLOGICAL **I**MIMPACT **A**SSESSMENT

ECOLOGICAL **M**ITIGATION AND **C**OMPENSATION

CONSTRUCTION **F**OLLOW-UP

ECOLOGICAL **S**TATUS OF **W**ATER **B**ODIES

MARINE **E**COLOGICAL **S**URVEYS AND **A**SSESSMENTS

STRATEGIC **E**COLOGICAL **A**SSESSMENT

BIODIVERSITY **P**LANNING AND **M**ANAGEMENT

BIODIVERSITY & **E**COSYSTEMS **S**ERVICES

BIODIVERSITY **I**NFORMATION **S**YSTEMS

SCIENTIFIC **A**DVISORY **S**ERVICES



BIODIVERSITY SURVEYS AND ASSESSMENTS

TERRESTRIAL AND AQUATIC ECOSYSTEMS

CONTINENTAL WATERS

TRANSITIONAL WATERS

COASTAL LAGOONS

COASTAL WATERS

MARINE ENVIRONMENT



WIND FARMS DAMS POWER LINES ROADS RAILWAYS WATER CHANNELS GAS PIPELINES FARMLAND EXTRACTIVE INDUSTRY

Over 100 ECOLOGICAL MONITORING PROGRAMS COMPLETED

BIO3 HAS DEVELOPED AND EXECUTED MONITORING PROGRAMS FOR MOST OF THE BIOLOGICAL GROUPS:
HABITATS, FLORA, INVERTEBRATES, FISH, AMPHIBIANS, REPTILES, BIRDS AND MAMMALS

WE PLAN AND EXECUTE ASSESSMENTS AND SURVEYS UNDER THE
WATER FRAMEWORK DIRECTIVE AND THE **MARINE STRATEGY FRAMEWORK DIRECTIVE**

RIVER HABITAT SURVEY

MACROPHYTES

INVERTEBRATES

PHYTOBENTHOS

FISH

PHYTOPLANKTON

Bio3's SOLUTIONS FOR RENEWABLES

WIND

HYDRO

WAVE

TIDAL

SOLAR

BIOMASS

OUR CONSULTANCY WORK AND RESEARCH
ACTIVITY ON RENEWABLE ENERGY PROJECTS
IS STATE-OF-THE-ART IN THE GLOBAL MARKET.



ONSHORE

BASILINE ECOLOGICAL STUDIES, RISK ANALYSIS, ECOLOGICAL
IMPACT ASSESSMENT, APPROPRIATE ASSESSMENT AND
MONITORING PROGRAMS EXECUTED IN 60 PORTUGUESE
WIND FARMS AND 10 HYDRO POWER DAMS
SINCE 2005.



OFFSHORE

OUR TEAM IS EXPERIENCED AND CERTIFIED FOR
OFFSHORE SERVICES WITH A FOCUS ON RENEWABLE ENERGIES
(WIND, WAVE AND TIDAL).



SEA BIRDS MARINE MAMMALS BATS MARINE REPTILES FISH INVERTEBRATES PLANKTON SEaweeds



MITIGATION & COMPENSATION

WE DESIGN AND IMPLEMENT PROJECTS THAT MITIGATE AND OFFSET IMPACTS ON BIODIVERSITY.
WE ACHIEVE EXCELLENCE DUE TO A MULTIDISCIPLINARY TEAM AND A WIDE NETWORK OF PARTNERS.
WE REACH SUCCESS BY WORKING IN HARMONY WITH LOCAL PEOPLE AND MONITORING
THE EFFICIENCY OF THE SOLUTIONS WE DEVELOP.

INTEGRATED SOLUTIONS FOR MANAGING BIODIVERSITY

Bio3 HAS GATHERED AN AMOUNT OF EXPERTISE THAT HAS ALLOWED THE DEVELOPMENT OF CUTTING EDGE SOLUTIONS TO RECONCILE HUMAN ACTIVITIES WITH BIODIVERSITY CONSERVATION AND MANAGEMENT.



SITE SELECTION
ECOLOGICAL DIAGNOSIS

EFFICIENT MONITORING
ADEQUATE SURVEY SCHEMES

LAYOUT ADJUSTMENT
BASELINE ECOLOGICAL STUDIES

NO NET LOSS / NET POSITIVE IMPACT
MITIGATION & COMPENSATION MEASURES

RISK ANALYSIS
PREDICTION / MODELING ANALYSIS

ENVIRONMENTAL PROCEDURES
ECOLOGICAL IMPACT ASSESSMENT/
APPROPRIATE ASSESSMENT

BIODIVERSITY INFORMATION SYSTEMS

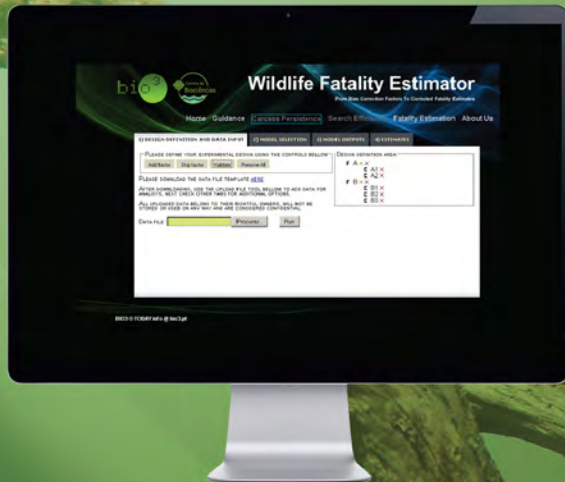
The background image is a landscape photograph of a calm lake nestled between steep, verdant hills. The hills are covered in dense green vegetation. In the upper right portion of the image, there is a faint, light blue network diagram consisting of several circular nodes connected by thin lines, suggesting a data or information system. The overall tone is natural and serene, emphasizing the connection between nature and technology.

Bio3 DEVELOPS INFORMATION SYSTEMS TO ORGANIZE,
MANAGE AND PROMOTE BIODIVERSITY DATA.

BIODIVERSITY TRACKING SYSTEM

ONLINE TOOL TO TRACK WILDLIFE TAGGED WITH **PLATFORM TRANSMITTER TERMINALS (PTT)**. AUTOMATIC DATA UPDATE SO THAT IT CAN BE ACCESSIBLE ANYWHERE.

Bio3 IS SPECIALIZED IN THE DEVELOPMENT OF **WEBGIS** TO ORGANIZE AND ACCESS ONLINE INFORMATION RELATED TO THE MANAGEMENT, CLASSIFICATION AND CONSERVATION OF BIODIVERSITY.



WILDLIFE FATALITY ESTIMATOR



THE “**WILDLIFE FATALITY ESTIMATOR**” IS A FREE ONLINE PLATFORM DEVELOPED TO ESTIMATE BIRD AND BAT MORTALITY RATES ASSOCIATED TO WIND FARMS, POWER LINES, FENCES OR OTHER HUMAN INFRASTRUCTURES.

RESEARCH PROJECTS (R&D)

R&D IS PART OF OUR ESSENCE.

WE ADD VALUE TO OUR SERVICES THROUGH AN INNOVATIVE PROCESS
SUPPORTED ON PARTNERSHIPS WITH SCIENTIFIC INSTITUTIONS.

WE DEVELOP SOLUTIONS CUSTOMIZED TO THE NEEDS
OF OUR CLIENTS, ALLOWING THEM TO RECONCILE THEIR PLANS
OR PROJECTS WITH NATURE, AND TO ASSESS THEIR EFFECTS ON
ECOSYSTEMS OVER TIME.



BIOLOGIST-DOG PROJECT

At **Bio3**, we have teams of wildlife research dogs and handlers, trained to search and detect bird and bat carcasses in wind farms and power lines. These teams allow us to quantify with a high degree of accuracy the real impact of these infrastructures in biodiversity. The accuracy of our detection dog-handler teams is approximately 100%, compared to very low rates obtained with humans.



PROJECT WIND & BIODIVERSITY

Bio3 is leading this R&D project in partnership with the University of Aveiro (Portugal). Between 2011 and 2014 a set of cutting edge technologies, methodologies and know-how will be developed in order to help reconciling wind farms with biodiversity.



BIODIVERSITY MANAGEMENT PLANNING VALUATION OF BIODIVERSITY & ECOSYSTEM SERVICES

WE CREATE ADDED VALUE WITH BIODIVERSITY

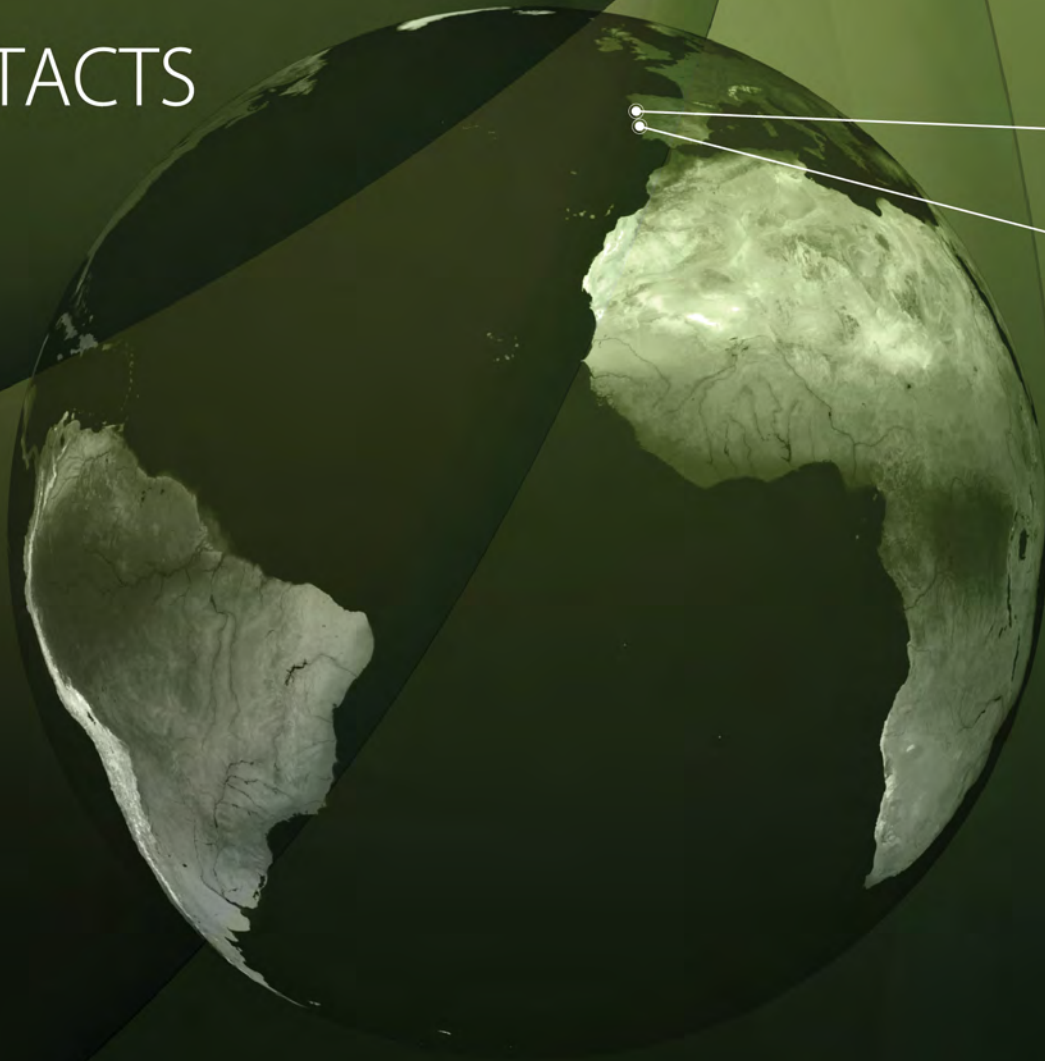


WE DESIGN AND EXECUTE MANAGEMENT AND ACTION PLANS
FOR BIODIVERSITY AND ECOSYSTEMS SERVICES.

BIO3 PERFORMS THE BIODIVERSITY SECTION OF
STRATEGIC ENVIRONMENTAL ASSESSMENTS (SEA).

WE ARE NETWORKING WITH HOMOLOGOUS EU COMPANIES
AND HAVE DEVELOPED A SPECIFIC METHODOLOGY
FOR APPROPRIATE ASSESSMENTS REGARDING SEA IN
NATURA 2000 NETWORK SITES.

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