



# Global Animal Tracking

Argos satellite services

# CLS, satellite services provider for environmental applications

Tracking and data collection

Field equipment



## Worldwide solutions for relaying crucial information about an animal's behavior and its environment

CLS is the unique provider of Argos satellite telemetry services, a worldwide location and data collection satellite system dedicated to studying and protecting the environment. Argos makes it possible to track a wide-range of species, including birds, terrestrial or marine animals.

## Why choose satellite monitoring?

- > Argos is a global satellite system working everywhere all over the world.
- > Satellite tracking is the only option for following the tracks of highly migratory species.
- > Argos is a data collection system able to collect the parameters recorded by the tag (GPS, dive depths, temperature, etc.).
- > Argos allows low power, high autonomy and miniaturization of the tags, so many species can be tracked.

# Robust animal-tracking solutions



## TRACKING & DATA COLLECTION

Global satellite system, from poles to equator, ideal for tracking large-scale migration

Dual positioning system (Argos Doppler & GPS)

Past data (historical) reprocessing



## FIELD EQUIPMENT

Argos goniometer for tag recovery



## REAL-TIME DATA SERVICES

Data processing and visualization

State of the art data backup and security

A range of options to download and view data including ArgosWeb, Web services, FTP, SMS, email, etc.

Online mapping, geofencing, alerts

World renowned customer service



## ENVIRONMENTAL CONTEXT

Environmental context information to enhance animal tracks (weather, oceanography, maritime traffic)

Expert light-based geolocation processing services for fish tracking

Reprocessing of Argos Doppler positions together with contextual data



**ArgosWeb makes it possible to view animal tracks with other types of environmental data such as temperature, primary productivity, wind, or maritime traffic data (AIS/SAT-AIS).**

# Animal tracking & telemetry

CLS is the unique provider of Argos satellite telemetry services, for environmental and scientific applications. Argos is a worldwide location and data collection satellite system dedicated to studying and protecting the environment.

**8,000**  
animals tracked  
every month using Argos

**24/7**

Argos services  
operations  
center, customer  
service

**30+**

Argos-compatible  
satellites and  
nanosatellites  
in 2022

**100 million**

animal tracking  
positions  
delivered by Argos



For 40 years, CLS has been an important actor in animal telemetry systems. Thousands of birds, marine and terrestrial animals are studied each month with Argos, from whales to shorebirds. CLS's robust data center ensures that once your data is collected by the Argos system, it will never be lost, as it is backed up in two redundant distinct sites. In addition, our world-renowned, customer support team provides user services in your language and your time zone.

In 2022, Argos satellite telemetry will benefit from a constellation of 30+ Argos-compatible satellites and nanosatellites. This new constellation will receive data from around the globe with only ten to fifteen minutes between satellite passes, ensuring seamless, near real-time coverage for environmental applications. CLS is the exclusive provider for environmental telemetry using this new constellation. Fully backward compatible with existing Argos beacons, this constellation is sure to be a revolution for the user community and open the door to many new discoveries to protect biodiversity.



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