

Methodologies for the study of animals

Project LIFE02NAT/IT/8526 "Restoration of ecological balances for the conservation of habitats and species of community interest in the Argenta Valleys".

The actions carried out, which concerned two LIFE projects, included studies and preliminary investigations of fauna and vegetation.

Monitoring of biological components of major conservation importance or more characterizing the site.

Various instruments are used for monitoring vertebrates.

The capture of fish is achieved through nets, lines and electrostunner that allows through the release of electricity into the water to take the fish without harm him.

For the birds are used long and thin nets that do not see allow their capture; subsequently the birds are ringed (a ring is placed on the leg) in order to recognize the specimen once it is recaptured.

Bats use the bat-detector, an electronic instrument that captures ultrasound and translates it into sound audible sounds; each species of bat produces ultrasound with different frequencies.

Other instruments are used during research on invertebrates.

For the capture of soil insects, such as carabidous beetles, fall traps

are used, consisting of plastic jars placed in the ground and filled with liquid bait and preservatives.

In the wooded areas are placed hanging from branches aerial traps interception and attractiveness for flying insects. In open areas, tent traps or Malaise for flying insects are used and during the night, light traps and light sources placed over a white cloth are adopted to attract insects at night.

During the exits are carried out in all environments in sight research with the help of different entomological tools, such as the butterfly net and dragonflies, the net for cutting insects laid on herbs, the entomological umbrella for insects placed on trees and shrubs, the sieving of the litter for various invertebrates, the pump aspirator, during the winter the use of a saw for insect trunks of tree cavities, arboreal trees and bark.