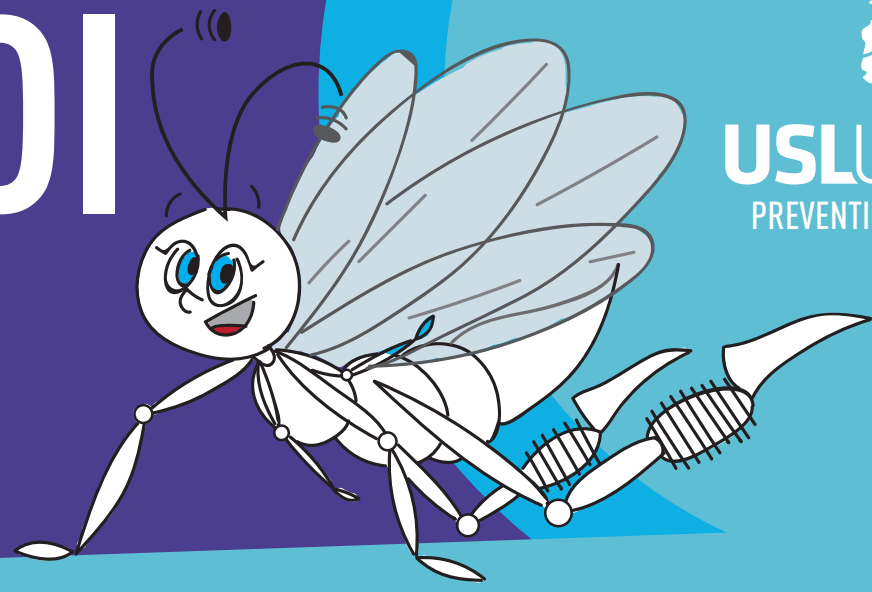


CHIRONOMIDI of Trasimeno Lake

A PLAN FOR INTEGRATED CONTROL



WHY the plan?

Chironomidi are insects and their larvae colonize lake environment. In summer, in particular environmental conditions, the adult insects can give inconvenience when they move in swarms towards Trasimeno lake coasts causing problems to receptive activities and residents.

We intend to reduce the presence of these insects having respect for the environment.

WHAT ARE Chironomidi?

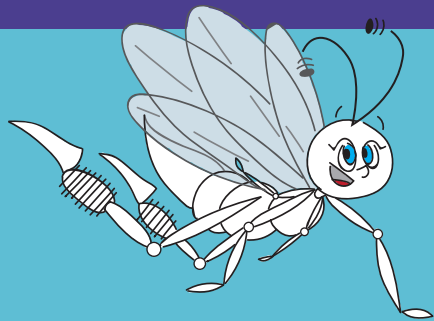


The density and the stage of the Chironomidi's larvae development are periodically monitored to make the treatments more efficacious.

Chironomidi are insects looking like mosquitos but, unlike them, **DON'T STING**. They are an **IMPORTANT LINK OF LAKE ECOSYSTEM'S** food chain.

Larvae are in fact one of the most important food for fishes, instead adults are part of the food for birds and bats.

Above all in summer larvae become adults, coming out the water. The females lay eggs upon the water's surface.



WHO ARE the promoters?

Since from 2005 has been developed the plan for integrated control of Chironomidi, promoted by the Region Umbria, in collaboration with the Province of Perugia, the USL Umbria 1, the University of Perugia (Environmental and Cellular Biology Department), together with the interested local municipalities.

It's one of the most important Italian plans of biological integrated fight in a natural ecosystem.

In addition to Public Authorities and Scientific world also tourist operators take part in the plan.



WHICH ARE the interventions?

Preventive treatment of lake shallow water using *Bacillus thuringiensis*, a biological product affecting the Chironomidi's larvae. The treatment is given along the coast by an hovercraft.

Installation of attractive lamps called Tofolamp. These lamps, adequately settled, attract insects towards areas without tourist activities and far from inhabited centres.

Taking part of receptive activities - keepers and residents, through yellow-coloured lamps, less attractive for these insects than the white lamps and thorough grass' mowing in the areas around the buildings.

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PROJECT PROMOTED BY: