LIGHT POLLUTION AND ITS EFFECT ON THE LIVING WORLD

PINTÉRNÉ NAGY, Edit
University of West Hungary Faculty of Forestry Institute of Forest- and Wood Protection
H-9400 Sopron Bajcsy-Zs. Str. 4.
e-mail: epinter@emk.nyme.hu

The poster deals with the effects of artificial light. Light pollution is an increasing urbanization problem at the present time. Every kind of light which is made by humans, and gets to the place not intended and planned, in particular the light is directed towards the level of the horizon, is light pollution. At first it was the astranomers who paid attention to its negative effect on the environment, and have proved it in many examinations. The poster shows the effects of the artificial light to the starry sky, humans and animals. In many countries the background light of the starry sky has grown ten times more and therefore the stars visible to the naked eye have decreased. The artificial night light and the health of people are connected to each other. Surveys have been made regarding this topic. Migration birds who orientate with stars, could lose their ways because of the increased background light of the sky. Light pollution has an adverse effect on some reptiles, amphibians and fish species and also some invertebrates, because their migration is disturbed. Researchers have observed physiological changes of insects as well. The poster presentation is also the possibilities of the regulation of light pollution and a sort of light regulation at a particular settlement is also mentioned. The light pollution which has negative effects to the environment is more or less a well-known concept for the society. In the poster I put foward a proposal to make up a quetionnaire in which there is a chance to show how deep the knowledge and the negative effects of light pollution are in the different classes of the society. In the end the poster presentation is also about the possibilities of moderating and avoiding effects of light pollution.