

ABSTRACT

In August 2003 a 15-days lasting enormous wave of high temperature and unusually high ozone concentration affected several European countries. During first two weeks in August new daily temperature records were registered in several European countries. The summer in period from June to August 2003 became the warmest in Europe since 16th century. This fact evoked impact on health of population and even on bounce of the mortality. In 20 days in August France – as the most affected country – noticed almost 15 thousand casualties. The increase of the mortality was also registered in Western, South, partially in Central Europe but mostly in France, Spain, Italy, UK, Portugal, Switzerland and Germany. This bachelor thesis is focused on impact of temperature, ozone and aerosol pollution to increased mortality. The study is based mainly on foreign studies concerning this issue.

Keywords: Air quality, air temperature, heat wave, heat-related mortality, summer 2003