

Causes of the climate change (the 19th century)

Since the middle of the 19th century, when industrialization started to grow rapidly, man became an active user of the surrounding nature in many respects. That brings up the big question: did temperatures rise because of the end of the Little Ice Age only or did human activities have a major contribution to this climatic phenomenon?

There are a number of man-made contributory factors that may have had specific impacts on the atmospheric heating, e.g. local warming in the cities (*due to housing, roads, and other resultant factors*), smoke and dust over long distances or deforestation of huge forest areas. Each of the above examples may have had temporary or long lasting implications, but none of them is a major source for the strong warming or cooling trends during the last 150 years.

However, two major contributors (shipping and naval war) have been given little or no attention at all until now. Although the surface of the oceans is gigantic, their structure can be still influenced by certain factors. As we want to understand the impact of the oceans on climate better, we will briefly consider the main oceanic conditions.

