

## **Abstract**

During the last 30 years, the activity of various earthquake swarms has been instrumentally recorded in the West Bohemian earthquake region. This work is studying the spatiotemporal evolution of seismicity preceding and following selected swarms from 1992 to 2020. The introductory part contains a brief description of the area of interest. The research part acquaints the reader with the necessary basics of seismology. In the next, phenomenon of earthquake swarms is described – their typical activity, possible mechanisms of origin, examples from the world and from the West Bohemia. In the practical part, using seismic catalogs, seismic activity preceding and following selected swarms is visualized. The aim is to find some regularities in the spatiotemporal evolution of the West Bohemian earthquake swarms. Using the visualization of the activity of selected swarms and the author's own interpretation, no regularities were found. For a more relevant conclusion a quantitative analysis should be carried out.