The last few decades have marked the rapid development of archaeological open-air museums in Europe as well as the reconstruction movement related to them. During this period, many facilities of this type were built and the basic canons of their construction were developed. In October 2018, the Carpathian Troy Archaeological Open-Air Museum in Trzcinica – a branch of the Subcarpathian Museum in Krosno, organised an international scientific conference titled *Archaeological open-air museums*. *Reconstruction and re-enactment – reality or fiction?* The conference aimed to present, discuss, and summarise various issues related to the construction of prehistoric and early medieval buildings and re-enactment. This publication presents papers from this conference discussing in detail the construction, methods of functioning, reconstruction, and re-enactment of archaeological reality.