The aim of this work is description Open Archival Information System, digital preservation, development, goals and basic concepts of digital preservation such as metadata, migration. The main goal is detailed analysis of the functional model OAIS in connection with usability in an archive and digital archiving. The bachelor thesis describe the main parts of the model, OAIS environment, information model and archival information package. The first tasks is analyze individual parts of the model, find out how they works and what is need to work in an archive. The goel is verify the scope of OAIS, its use in an archive and what the implementation demands are.