The MEFANET project (MEdical FAculties NETwork) has initiated international, effective and open cooperation among ten medical faculties in the Czech Republic and Slovakia. One of the elementary goals of this educational network is to advance medical teaching with the use of modern information and communication technologies. As an instrument for that, MEFANET has decided to develop an original and uniform solution for educational web portals which are used, together with a central gate, to offer and share digital educational content. Three fundamental principles of the educational web platform will be described: 1. medical disciplines linker, 2. federative framework for users' authentication/authorization, 3. four-dimensional quality assessment. As a success story, The Multimedia Atlas of Speech Disorders will be presented by its author as an example of a contribution that experienced a great expansion of its usage due to the portal platform.