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CDS Multimedia Services and Export

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The volume of multimedia material produced by CERN is growing rapidly, fed by the increase of dissemination activities carried out by the various outreach teams, such as the central CERN Communication unit and the Experiments Outreach committees. In order for this multimedia content to be stored digitally for the long term, to be made available to end-users in the best possible conditions and finally to be easily re-usable in various contexts e.g. by web site creators or by media professionals, various new services and export mechanisms have been set up in the CERN Document Server Multimedia collections.

This talk will explain which technologies have been selected, the challenges satisfying all these needs together, and how users can take advantage of the newly developed facilities. In particular we will present the developments in video and image embedding, image slideshow generation, embedding via oEmbed, image processing, and image and video retrieval and ranking. The underlying architecture of the CDS multimedia platform (Invenio based), responsible for ensuring a robust, flexible and scalable service will also be described.

Summary

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