D8.1 Report on best Experimental Production Scenarios

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Abstract	This deliverable provides a detailed overview of potential experimental production scenarios and their requirements for tools and technologies developed throughout the SAUCE project. Concrete scenarios are described, which are intended to evaluate a wide range of technologies developed within SAUCE. These include lightfield capturing and postprocessing, smart assets, the asset transformation and search framework, crowd simulation editing and (semi-)automated adaptation to new environments, semantic animations and intuitive virtual production tools. All productions are targeted to evaluate one or more developments in WP8T3 Prototype Evaluation. A single production evaluating all aspects of SAUCE has proven to be insufficient. The described productions also provide an impression on the impact of the achievements to the VFX and creative industries of the future. In addition to the description of potential experimental productions, this document also summarises the requirements for the developed technologies to make the experimental productions achievable.
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1 EXECUTIVE SUMMARY

This deliverable provides a detailed overview of potential experimental production scenarios and their requirements for tools and technologies developed throughout the SAUCE project.
Concrete scenarios are described, which are intended to evaluate a wide range of technologies developed within SAUCE. These include lightfield capturing and postprocessing, smart assets, the asset transformation and search framework, crowd simulation editing and (semi-)automated adaptation to new environments, semantic animations and intuitive virtual production tools. The described potential productions are mainly based on running or future productions at Filmakademie and DNEG making them a solid foundation for realistic, professional production scenarios.
All productions are targeted to evaluate one or more developments in WP8T3 Prototype Evaluation. A single production evaluating all aspects of SAUCE has proven to be insufficient. As example the 'Unfolding' project will evaluate the potential of the new lightfield rig built by the University of Saarland as well as the possibilities of the captured material in postproduction, based on algorithms implemented by other partners.
The described productions also provide an impression on the impact of the achievements to the VFX and creative industries of the future. In addition to the description of potential experimental productions, this document also summarises the requirements for the developed technologies to make the experimental productions achievable. This is the deliverable for WP8T1 Investigation of achievable Experimental Productions in WP8 Experimental Production, Evaluation and Innovation Assessment.