

ABSTRACT - 5. DISASTER AND CONFLICT RESILIENT HERITAGE - CULTURAL HERITAGE IS INCREASINGLY VULNERABLE TO DISASTERS AND CONFLICTS AND SUBJECT TO RAPID DESTRUCTION, AS EVIDENCED BY THE RECENT FIRES, FLOODS, EARTHQUAKES AND ESCALATING ARMED CONFLICTS IN DIFFERENT PARTS OF THE WORLD. AT THE GENERAL ASSEMBLY 2023 IN SYDNEY, ICOMOS ADVISORY COMMITTEE APPROVED THE THEME OF “DISASTER AND CONFLICT RESILIENT HERITAGE - PREPAREDNESS, RESPONSE AND RECOVERY” AS THE THEME FOR THE TRIENNIAL SCIENTIFIC PLAN 2024-2027. IN KEEPING WITH THE SPIRIT OF OPEN, INNOVATIVE, CONSTRUCTIVE INTERGENERATIONAL DIALOGUE, AND THE STRATEGIC FOCUS, THIS SUB-THEME WILL ADDRESS THE SUITABILITY OF THE VENICE CHARTER WITH THE THEME OF DISASTER AND CONFLICT-RESILIENT HERITAGE, EMPHASIZING ITS BROADER IMPLICATIONS FOR HERITAGE DISCOURSE, DEVELOPMENT MODELS, AND RESILIENCE STRATEGIES.

DOCUMENTA CE: THE 2 YEARS OF EXPERIENCE ON DIGITALIZATION OF CULTURAL HERITAGE OF CEARÁ

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The Cientista Chefe da Cultura Program is an innovative initiative of the State of Ceará, Brazil, focused on using culture as a tool to promote heritage education and cultural access through the association of new technologies and cultural experiences together with the community to enlarge education, digital inclusion

and accessibility. This project also provides a detailed digital survey of the cultural heritage in line with the principles of documentation for preserving the Venice Charter. This work aims to present the project Innovation and Technology of Cultural Heritage of Ceará, linked to the Cientista Chefe da Cultura program, which uses digital captures by laser scanning, NDT, and 360 images to create immersive experiences for Ceará's cultural heritage. These experiences are available on the DOCUMENTA platform (www.documentace.com), connecting users with cultural assets, such as Teatro José de Alencar, Cineteatro São Luiz, Museu da Imagem e do Som Chico Albuquerque and Pinacoteca do Ceará, promoting and integrating the regional culture. In this context, creating educational immersive experiences presents an alternative with significant potential, allowing users to visit and get to know places miles away. The work has been conducted by the Laboratory of Rehabilitation and Buildings Durability (LAREB) and the Digital Experience Lab (LED), both from the Federal University of Ceará, composed of professors and students with diverse expertise, including Civil Engineering, Architecture, Design, and Computer Science. Beyond the immersive education experience to the community engagement, the results of this program provide a detailed lacerated point cloud that can be a base for restoration and can exclude the conjectures about the form (geometry), as highlighted by article 9 of the Venice Charter. This documentation is significant because it avoids conjectures on materials and forms. The conversion of buildings, documents, and publications to digital media focuses on preservation, storage, and access, creating a more suitable and secure method for the long-term preservation of information.

Palavras-chave: digitalization; cultural heritage; historic building; hbim; ceara.