

SCULPTING SYSTEMS

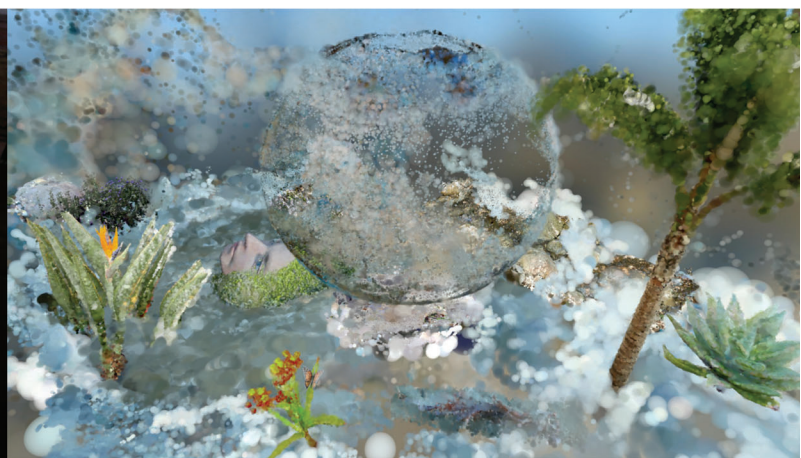
MEANING AND CULTURAL NARRATIVES THROUGH 3D VISUALIZATION AND 3D SCANS



RESEARCH PROJECTS WITH EXTERNAL PARTNERS AT THE
SCIENCE VISUALIZATION LAB, DIGITAL ARTS DEPARTMENT

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Two research projects from the Science Visualization Lab explore the intersections of data visualization, sustainability, and immersive storytelling through digital art. Together, these works investigate how 3D scans and visualizations can serve as tools for public engagement and critical reflection.



A PIECE OF SYSTEMS ECOLOGY features an animated 3D sculpture created from scanned elements of the landscape in Santa Barbara (USA, CA). Visitors might interact by using QR codes printed on stones and discover connected stories. Additionally, the soundscape reflects fragments of topics of interviews with **NCEAS** (National Center for Ecological Analysis and Synthesis) researchers.



GreenGLAM supports Austrian galleries, libraries, archives, and museums (GLAMs) in aligning their activities with the Sustainable Development Goals (SDGs). Through AI-driven visualizations and augmented reality (AR), new opportunities are created to raise awareness of sustainability and to present cultural content in innovative ways.

Project partners: Modul Technology GmbH, VRVis GmbH, Data Intelligence Offensive (DIO), webLyzard technology GmbH, Universität für angewandte Kunst Wien, OpenGLAM.at