FRUIT ART | REAL VS. VIRTUAL LIFE (FA-RVSVL) explores the hidden universe of the inner world of the fruits, guided by the enigmatic AI avatar AIAG (i.e., GAIA).The FA-RVSVL EP1 Apple has been invited to showcase at the World AI Cannes Festival (WAICF), which will take place at the prestigious Palais des Festivals in Cannes, **February 13th-15th, 2025**

FA-RVSVL is a series of 8K, 3D immersive stereo gigapixel stories that showcase how nature brings fiction to life. The goals of FA-RVSVL are to recreate the fascinating aspects of nature, make the invisible visible, reveal the poetry of the unseen, and visualize the unimaginable. These experiences aim to inspire, stimulate, entertain, and inform the audience, fostering awareness and evoking emotional connections, ultimately enhancing a deeper appreciation for the natural world.

The first episode of FA-RVSVL, is dedicated to the apple.

https://franz-fischnaller.com/fruit-art-by-f-fischnaller/

AI AVATAR AIAG (I.E., GAIA) was created ad hoc for this project and is embedded and coexists within FA-RVSVL's metaverse. AIAG serves as a guide and interface for visitors within its narratives and helps discover 'How Nature Makes Fiction Come Alive. AIAG is a 3D anthropomorphic-winged creature with fascinating abilities and performances. She was born from the seed of an apple, a versatile polyfacetic creature with powerful performances with rare cross-breed beauty. AIAG amalgamates elements of humans, robots, seahorses, dragonflies, birth, and trees together into a single entity. Her dragonfly wings are covered with intelligent skin and leaves and her cyber tail is powered by tree roots.

NATURAL LANGUAGE PROCESSING+ARTIFICIAL INTELLIGENCE Natural language processing (NLP) and artificial intelligence (AI) are integral components of the AIAG avatar's design and functionality. These technologies significantly enhance the avatar's ability to comprehend and engage with users, facilitating more intuitive and meaningful interactions. By applying sophisticated algorithms, the AIAG avatar adeptly interprets human language, enabling it to provide relevant responses and cultivate a personalized and immersive user experience.

AI AVATAR AIAG's Nature and Performance AIAG recognizes that science and humanity are enriched by the intelligence found in the natural world, which includes a rich tapestry of living and nonliving elements. With a strong passion for ecology and sustainability, she champions the vital connections among nature, animals, and humans as essential for the well-being of our planet, Gaia. AIGA is dedicated to the proactive mission of protecting and nurturing our Earth. She fosters ecological balance and promotes sustainable practices while encouraging positive interactions among all life forms. Her expertise includes protection, healing, regeneration, creation, adaptation, transformation, and effective communication with living organisms. This multifaceted proficiency promotes a healthier, more harmonious, sustainable, prosperous, evolutive, safe, and efficient planet.

TECHNOLOGY, DIGITAL MEDIA, TOOLS+VISUALIZATION TECH FA-RVSVL utilizes CT scan technology, advanced media tools, and computer graphics, incorporating virtual reality (VR), 2D and 3D animation, and 3D modelling. The project features animation, visual effects (VFX), and simulations of three-dimensional environments, along with time-lapse photography, 4K visuals, and 3D stereoscopic 180-degree footage of the natural world. FA-RVSVL combines ultra-high-resolution 3D stereoscopic tools with mixed-media techniques, integrating 8K immersive storytelling, motion perspective, virtual aesthetics, and 2D and 3D characters. Additionally, the project showcases multilayered digital visualizations, stereoscopic optical illusions, and visual effects from multiple viewpoints, all combined with music and sound effects.

C**omputed tomography (CT)**. Apples were scanned using computed tomography (CT) in this immersive environment and presented in a stereoscopic format. These apples, with an actual diameter of 7 centimetres, are projected at scales up to 500 times their original size in full 8K resolution. Additionally, the seeds, each measuring 1 centimetre in reality, are displayed at an impressive scale of 800 times their actual size in high resolution. The projection area, which includes the walls and the floor, measures 16 by 9 meters, creating a captivating visual experience for viewers.

GOAL, INTERDISCIPLINARY PRACTICE, AND METHODOLOGIES FA-RVSVLAIAG is the outcome of an interdisciplinary initiative by the author aimed at exploring knowledge creation across various fields, including art, design, humanities, nature, ecology, sustainability, cultural heritage, science, techniques, and technology, as well as advanced AI tools. This initiative highlights the interconnectedness of these domains. A primary goal is to support experimental design approaches that foster innovative virtual storytelling and immersive narratives. This initiative aims to enhance visitors' emotional engagement and promote cross-disciplinary art experiences, ultimately contributing to the ongoing development of the content market in this field. The aim is to inspire critical thinking, raise awareness, and offer education and entertainment.

AUTHORS' VISIONS, GOALS, AND OBJECTIVES. The author, Franz Fischnaller, endeavours to establish new standards and benchmarks in storytelling processes, methodologies, development, production visualization, and user experience. His objective is to enhance user engagement and amplify the overall impact of narratives, storytelling, and visualization while pushing the boundaries of current practices. Ultimately, this initiative aims to achieve substantial advancements in the industry and foster progress that surpasses existing standards.

LAUNCH AT ARS ELECTRONICA CENTER. While in progress, FA-RVSVL EP1 Apple, was introduced at the Ars Electronica Festival, themed "Welcome to Planet B." It was displayed in Deep Space 8K, an immersive projection space featuring 288 square meters of laser-tracked projections on the walls and floor. This environment is ideal for interactive and stereoscopic content..

CREDITS: Author: Franz FISCHNALLER (Italy). Production Management: Yesi Mahara Singh, collaboration: Jéssica Roude (Argentina), Dr. Satre Stuelke, MD, MFA (USA), Daniele de Luca (Italy); DIAC | Design of Ideas-Architects of Culture (Italy); Original CT and MRI scans of the apples have been provided by Dr. Satre Stuelke, MD; MFA.Music & Sound Effect: Albert Maier, Alfredo Miti, Jorn Lavol, freesound.org, DIAC;

CT SCAN is a medical imaging technique used in radiology to get detailed images of the body that are non-invasive for diagnostic purposes. Also known as a Computer Tomography scan, is created when a computer program processes a combination of many x-ray images taken from different angles. The result is the scanned object's cross-sectional (i.e., tomographic) image sequence. Tomography is imaging by sections or sectioning through any kind of penetrating wave.*"People must feel that the natural world is important and valuable and beautiful and wonderful and an amazement and a pleasure."*

David Attenborough

FA-RVsVL is dedicated to Sir David Attenborough for his unbreakable passion for research, documentation, advocacy and for the protection of nature and its restoration. **Franz Fischnaller**