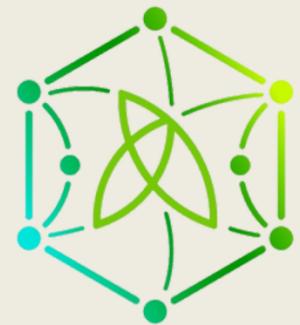
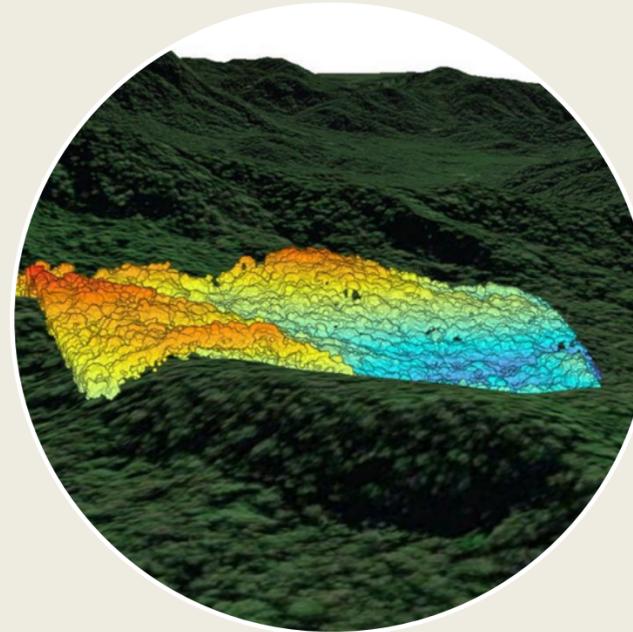


# Focus 2: Metaverse



amatech



Digital Twin development for research & analytics



Metaverse development for mass & niche markets



eHealth

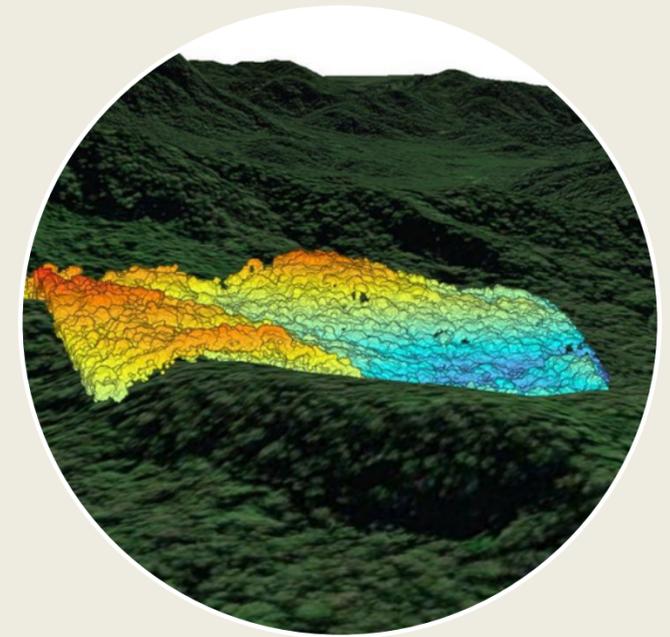


e-Learning /Education

# Focus 2: Metaverse



# ZOAN



## Project 1: Metaverse development; “Metamazonia”

After over 20 years of building the foundation a sustainable and self-sufficient ecosystem, AmaGroup is launching MetAmazonia, a decentralized platform to allow the global community to collectively participate in this effort and get rewarded for it.

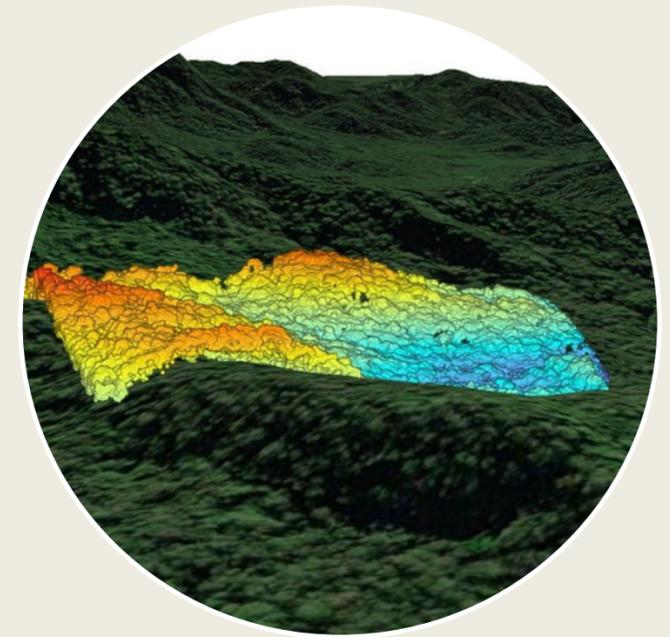
AmaGroup that aims to develop through the digital twin meaningful applications that will have physical world's impact in the lives of millions of people in the Amazon Rainforest, Africa and around the world. Governed by a DAO the objective is to provide virtual ownership of the land to the community through NFT and boots its development. The owners of the land will benefit from all the value creation that will be supercharged by the metaverse:

- Virtual Tourism and Learning experiences
- P2E games within the metaverse
- Profit generated from all activities in the physical land: (carbon credits, non timber products commercialization, IP from tech innovation and R&D).

Within that ecosystem the DAO will be used to manage the virtual lands, distribute the revenue share of the lands, and oversee the strategy of the metaverse through a voting process governed by the \$MTZ token.

<https://www.youtube.com/watch?v=9IsI5I8YKEg>: “Metamazonia; radical innovation to save the planet”

# Focus 2: Metaverse



## Project 2: Digital Twin development for research & analytics

This project marks the start of an ongoing workstream to build a Digital Twin of the EBCF Reserve. This is required for three interconnected reasons;

- To create a sandbox for both scientific and technological innovation and enterprise, and for scientific research into the biodiversity, geography, topology and geology of the Reserve.
- To allow virtual visits to, and exploration of, the EBCF Reserve, supporting outreach and communication of our work to global audiences.
- To form the basis for the parallel development of a photorealistic, gamified metaverse; “Metamazonia”.

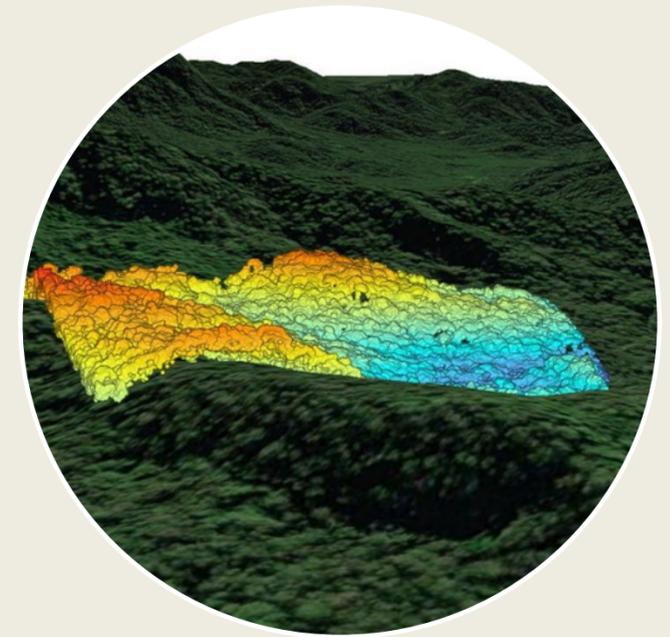
The project is led by ACIDHUB, specialists in the development of products and services based on Geoprocessing (GIS, remote sensing by satellites, drones and telemetric sensory systems) and for computer modelling. With the support of global market leaders, ESRI, the AMATECH Digital Twin will allow for the layering of multiple datasets, algorithm development, 3D parametric modelling (using real-time data, where appropriate) and, via APIs, the development of new products and solutions by the AMATECH innovation and scientific partner community around the world.

The Digital Twin will combine satellite and drone imagery with terrestrial data collection & analytics, developed as a result of Focus 1 projects.

# Focus 2: Metaverse



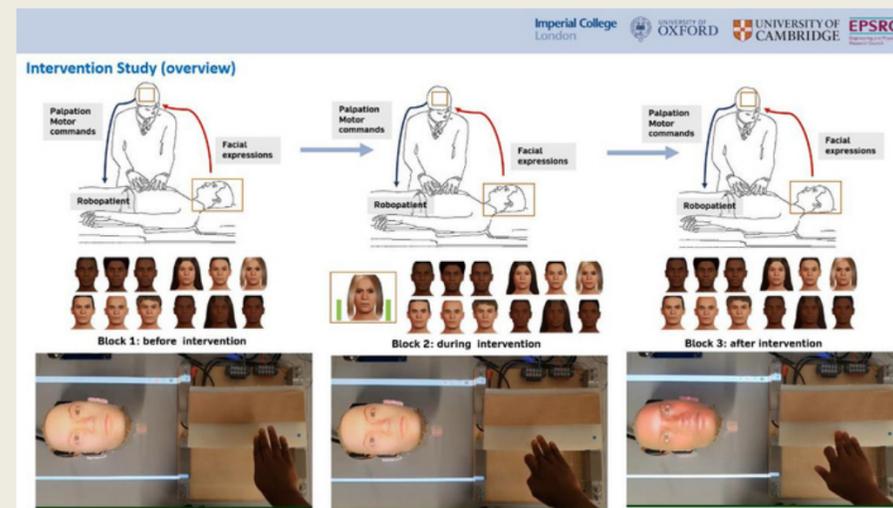
# ZOAN



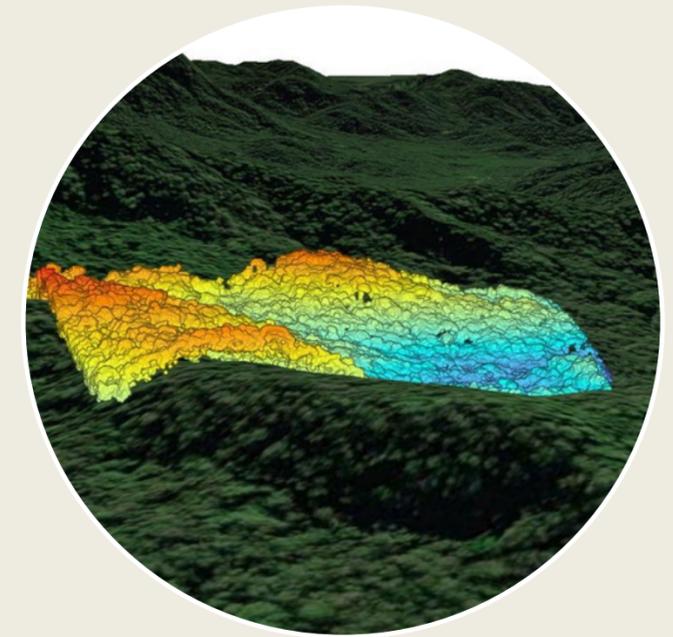
## Project 3: Metaverse development for remote healthcare, diagnostics and patient treatment

Amatech is working with Manicoré Hospital to embed Tele-Medicine as a function of Metamazonia. This ground-breaking project is the first of its kind in Brazil and will directly support and significantly expand the long-running “Health in Amazonia” social programs run by EBCF for many years. EBCF is now supporting social projects for approximately 60,000 people.

It is expected that this project will be extended to incorporate work at Imperial College London that uses soft robotics for remote diagnostics using advanced vision systems, haptics and Artificial Intelligence; <https://youtu.be/jQ4mPI0WHC0c>



# Focus 2: Metaverse



## Project 4: Metaverse-enabled global eLearning

Amatech is working with Imperial College London and Cambridge University to create digital learning packages for delivery on the Coursera online learning platform. Coursera Inc. is a U.S.-based massive open online course provider founded in 2012 by Stanford University computer science professors Andrew Ng and Daphne Koller. Coursera works with universities and other organizations to offer online courses, certifications, and degrees in a variety of subjects.

Together we are developing both credit and non-credit bearing courses that leverage key AMA Group datasets:

- Fauna Inventory
- Flora Inventory
- CO2 emissions inventory
- Communities demographic inventory and census.

Courses will utilize the immersive and gamified environment of Metamazonia, with subject areas offered jointly by Cambridge and Imperial on the Coursera platform including;

- Zoology
- Botany
- Biology
- Environmental Science
- Statistics
- Coding
- AI & Machine Learning
- Systems Theory
- Anthropology
- Landscape Architecture
- Environmental Economics
- Climate Change