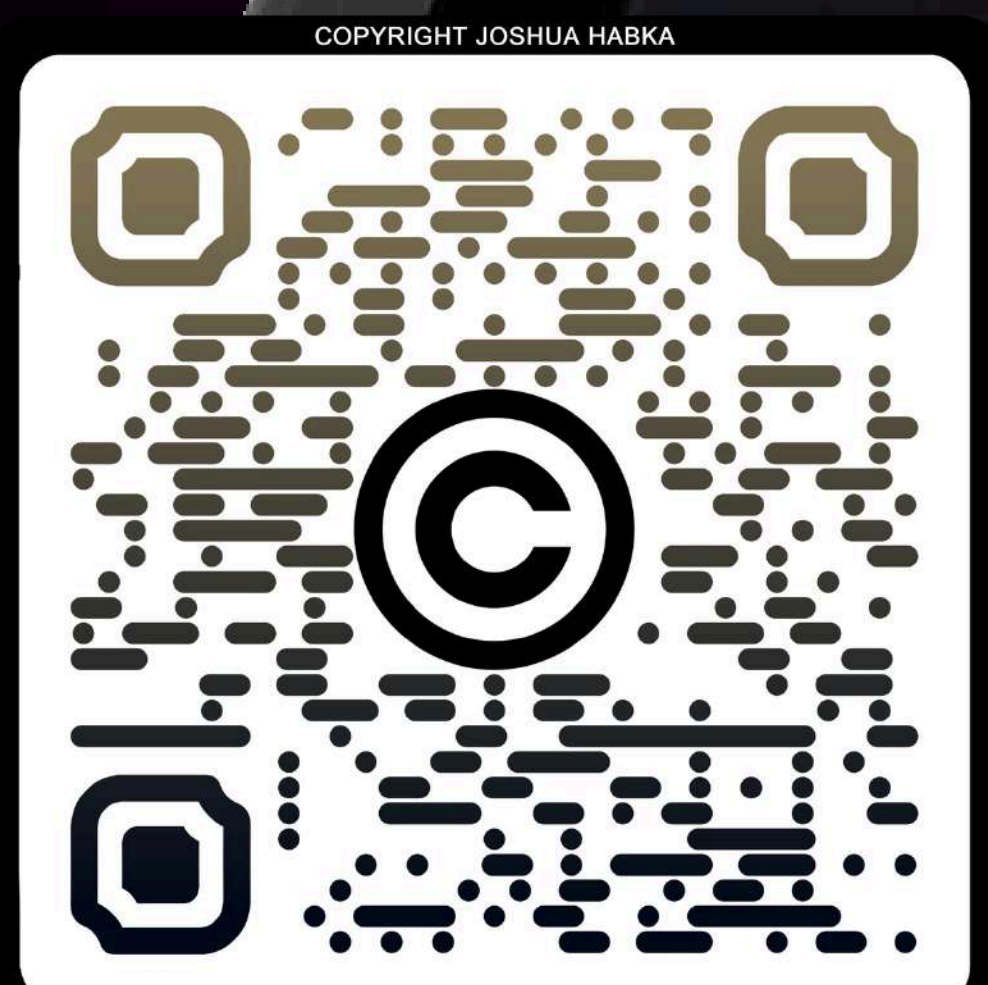
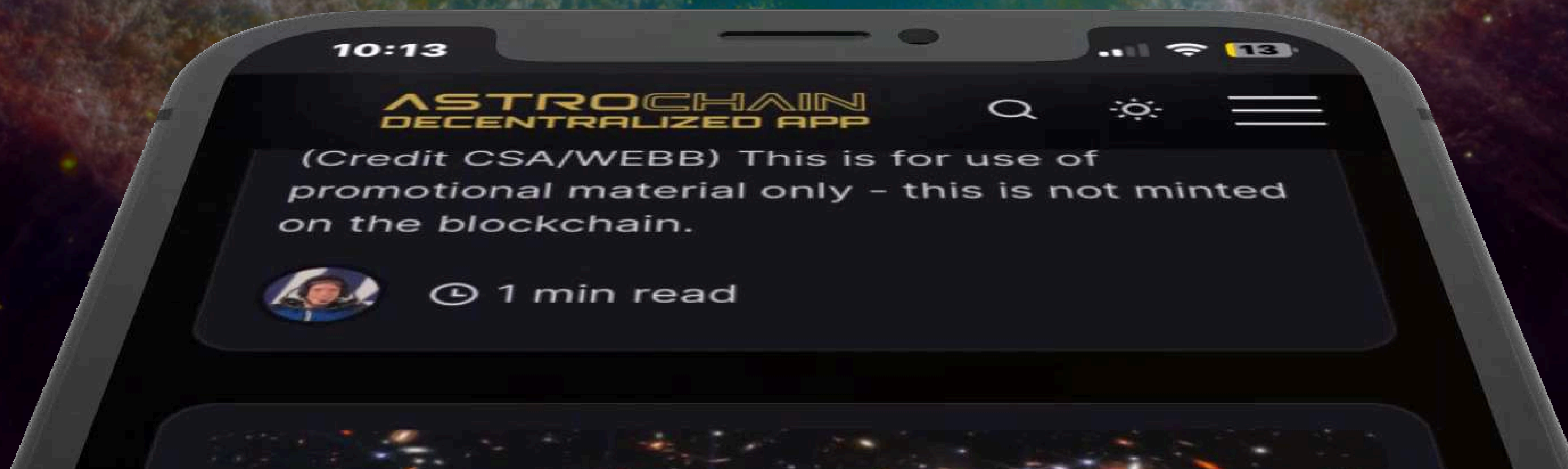
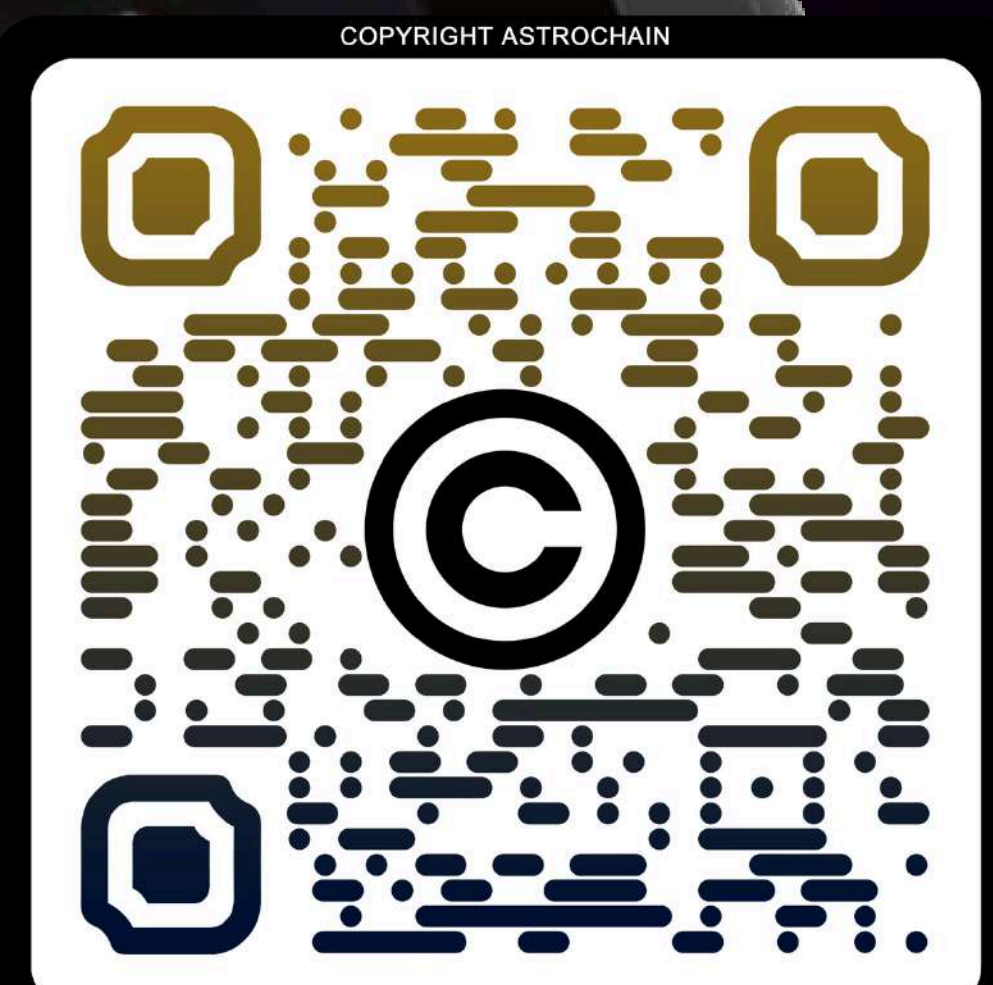


An Introduction to AstroChain



ORIGINAL



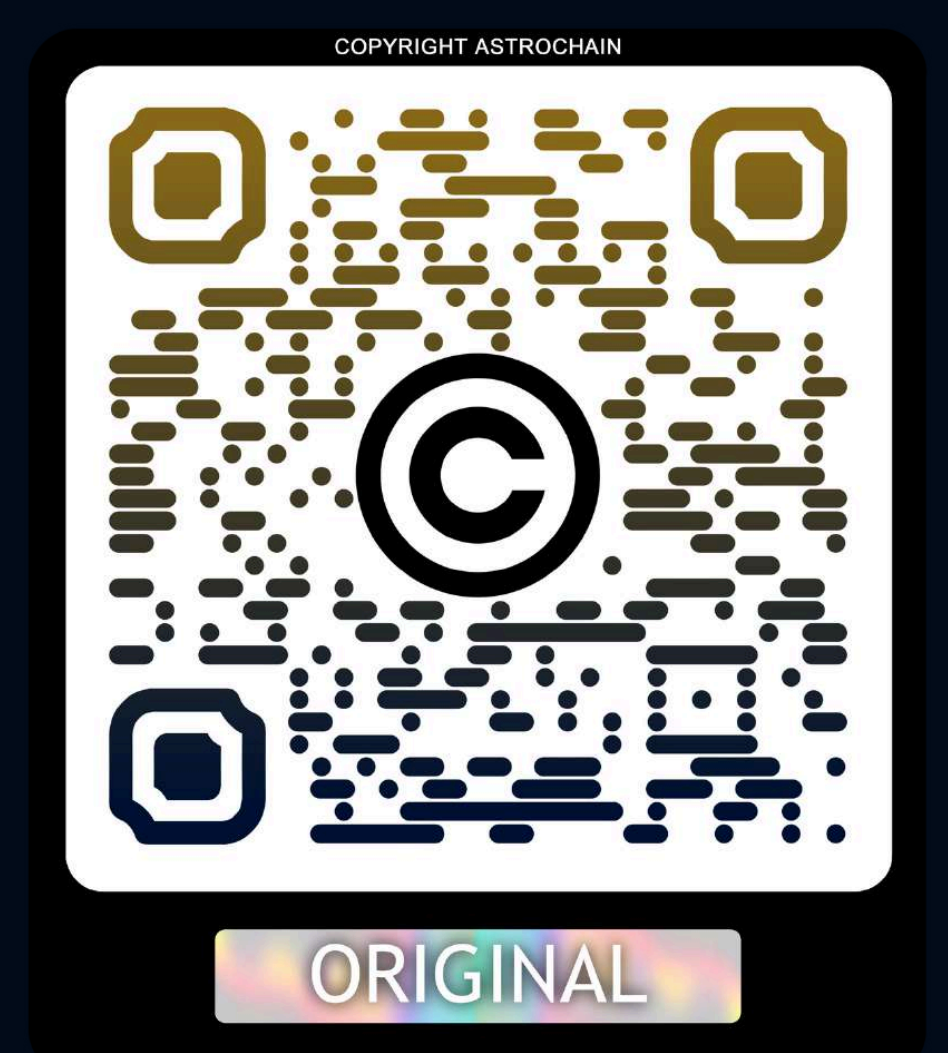
ORIGINAL

AN INTRODUCTION

Understanding the vastness of our cosmos has been one of humanity's challenges since the very beginning of our civilization. Sadly our comprehension of the universe is often confined by the limitations of current astronomical research and controlled by a select few institutions, with access to advanced tools and gigantic amounts of proprietary data.

The beauty and mysteries of the universe remain invisible to the general public, with knowledge gated by financial and technological barriers. AstroChain envisions a universe where astronomical research is accessible for everyone, by democratizing astronomical data through decentralized technologies.

We aim to empower researchers worldwide by leveraging blockchain and AI technologies to build open data repositories and discover AI models. Breaking down the walls that have long kept cosmic science exclusive and ensuring that the future of space research is shaped by the many, not the few.



ASTROCHAIN ECOSYSTEM

Astrochain has three primary subsystems, which provide the major services provided by Astrochain with different purposes.



dApp

The Astrochain Decentralized App includes the AstroFeed and AstroPrint subsystems. These directly interface with the blockchain.



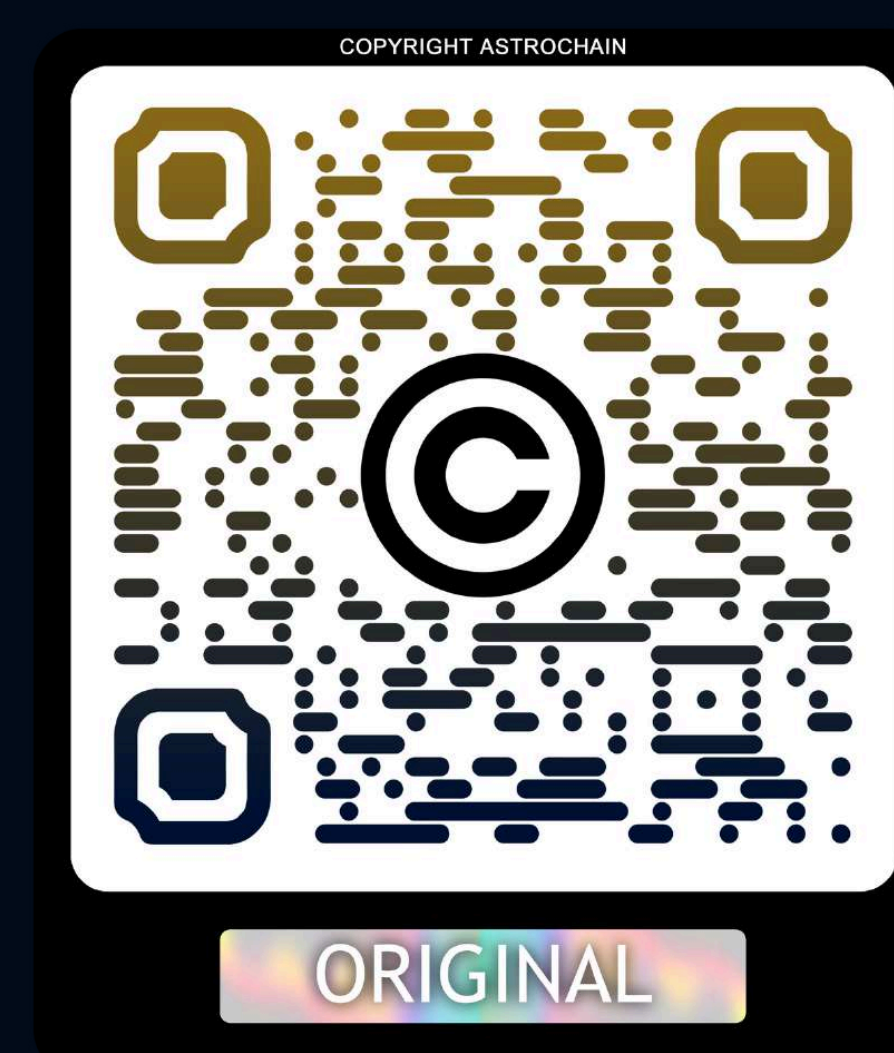
Database

The Astrochain Decentralized Astronomical Catalog is an AI powered system pulling data from observatories, AstroHUBs, and machine learning algorithms.



Astrocenter

The Astrocenter is an immersive, 250,000sqft Metaverse virtual space for interactive education, research, and collaboration in web3.

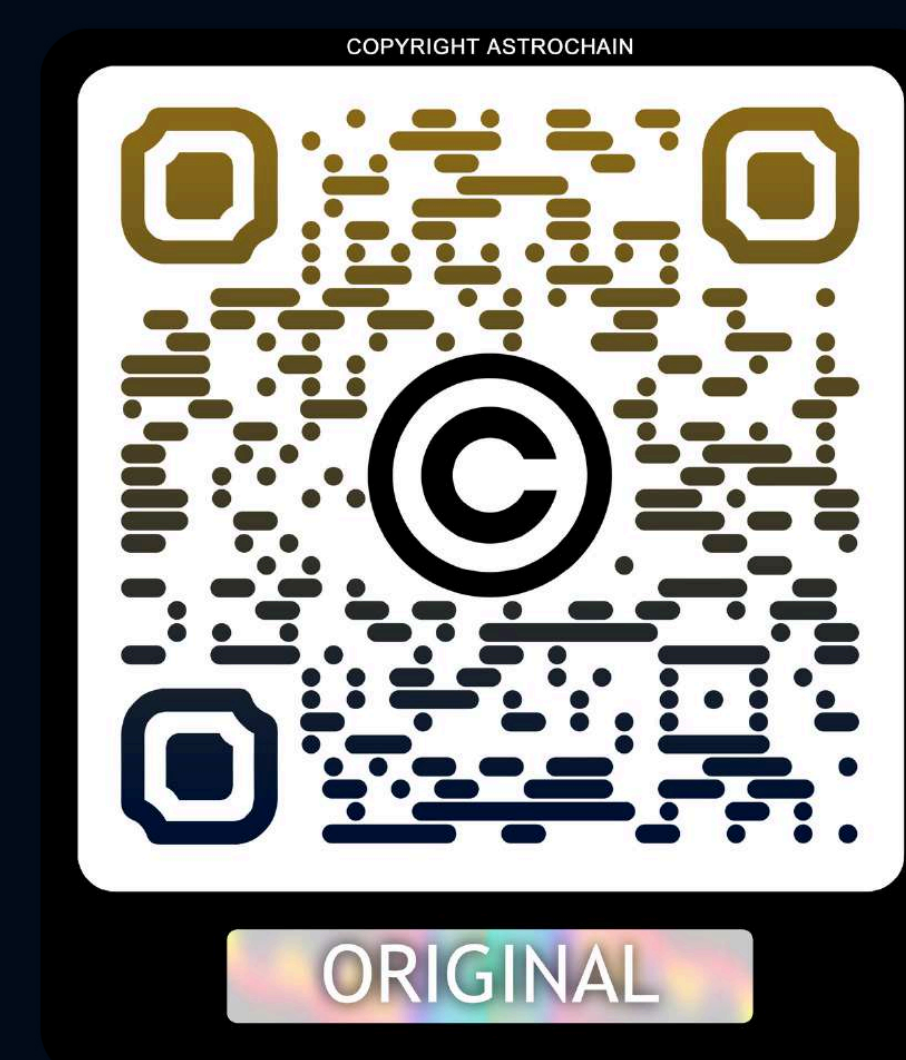


ASTROCHAIN DECENTRALIZED APP

The Astrochain Decentralized App currently consists of the AstroFeed and the AstroPrint preprint server. These are two modules within the Astrochain dApp to allow everyday scientists to interface with the blockchain.

AstroFeed is a decentralized app (dApp) that provides a space for astrophotographers to share their observations and experiences. It is a content sharing platform that allows astrophotographers to share their work with a community of like-minded individuals. With the ability to mint photos and short videos into NFTs, astrophotographers receive a verified timestamp that proves the authenticity of their work on the Blockchain.

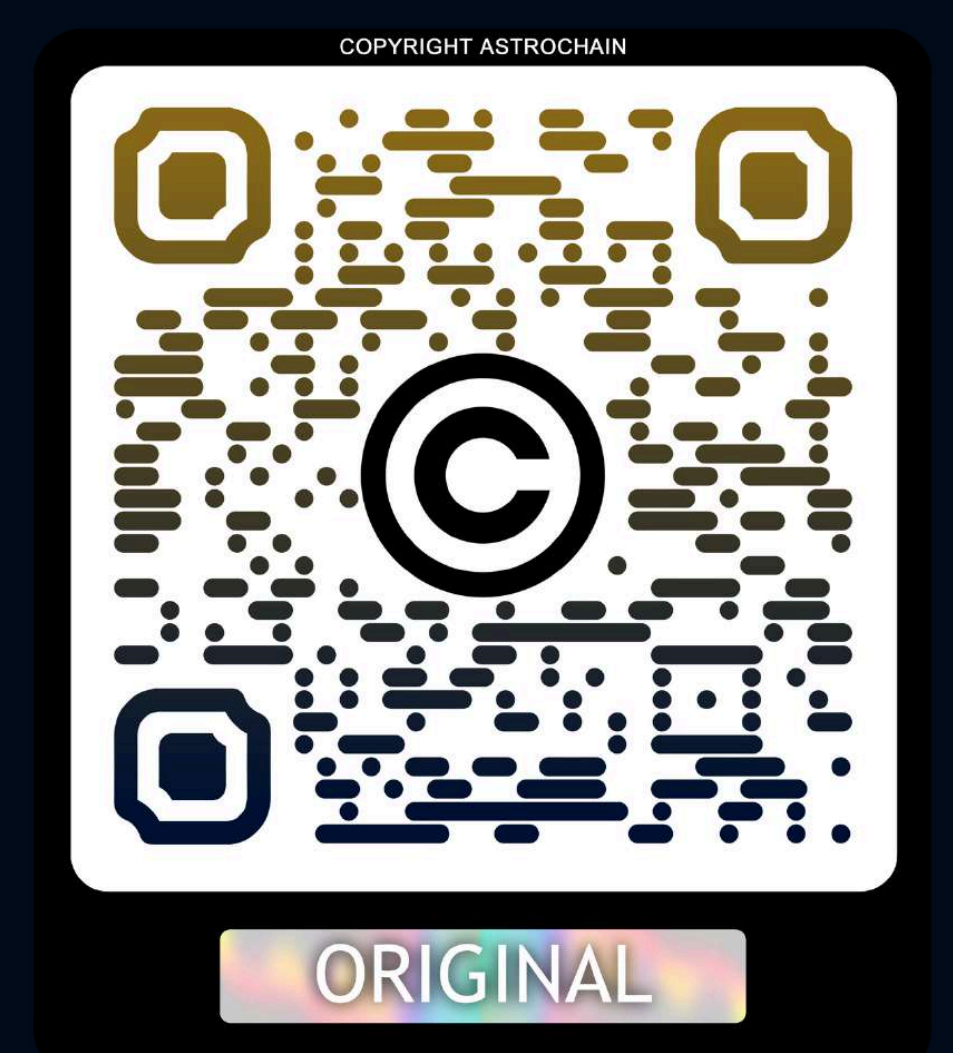
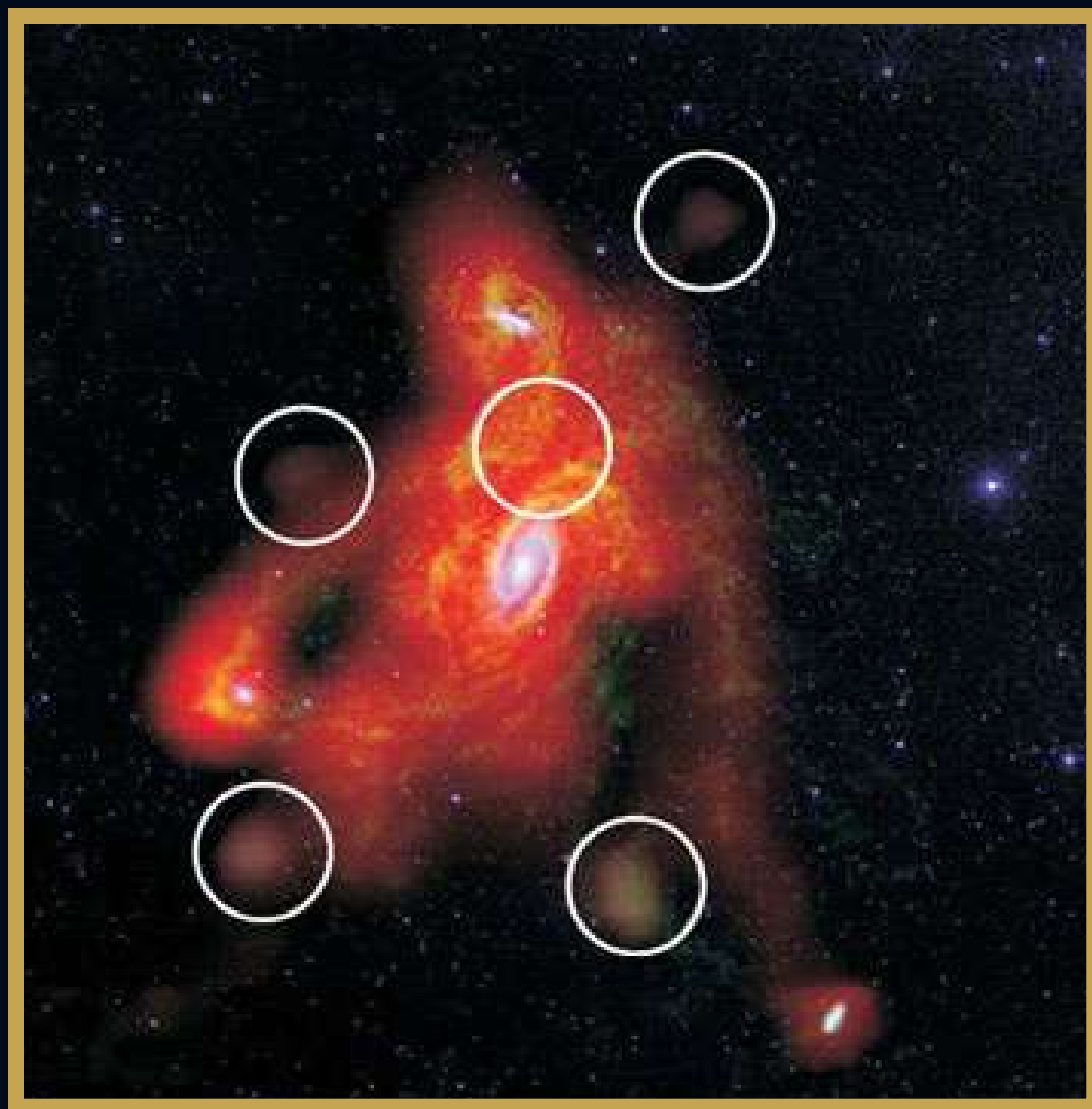
Astroprint is a preprint server for scientists and researchers to submit research papers, abstracts, slides, and other documentation to the blockchain to be visible by others. Research can be submitted as an individual or in association with an institution. Astroprint allows both an onchain and offchain experience to provide researchers a way to more appropriately demonstrate and update their research.



DECENTRALIZED DATABASE

This database is an important aspect of the AstroChain ecosystem, as it provides a verifiable and accessible history of astronomical events and anomalies.

The decentralized database is built using the latest in blockchain technology, meaning that the data and imagery captured by the AstroHubs and partner devices is stored in a decentralized manner, making it immutable and tamper-proof. This is a significant advancement in the field of astronomy as it ensures that the data collected is reliable, secure, and accessible to everyone who needs it. This will allow astronomers to study and better understand these anomalies, leading to new discoveries and breakthroughs in our understanding of the universe.



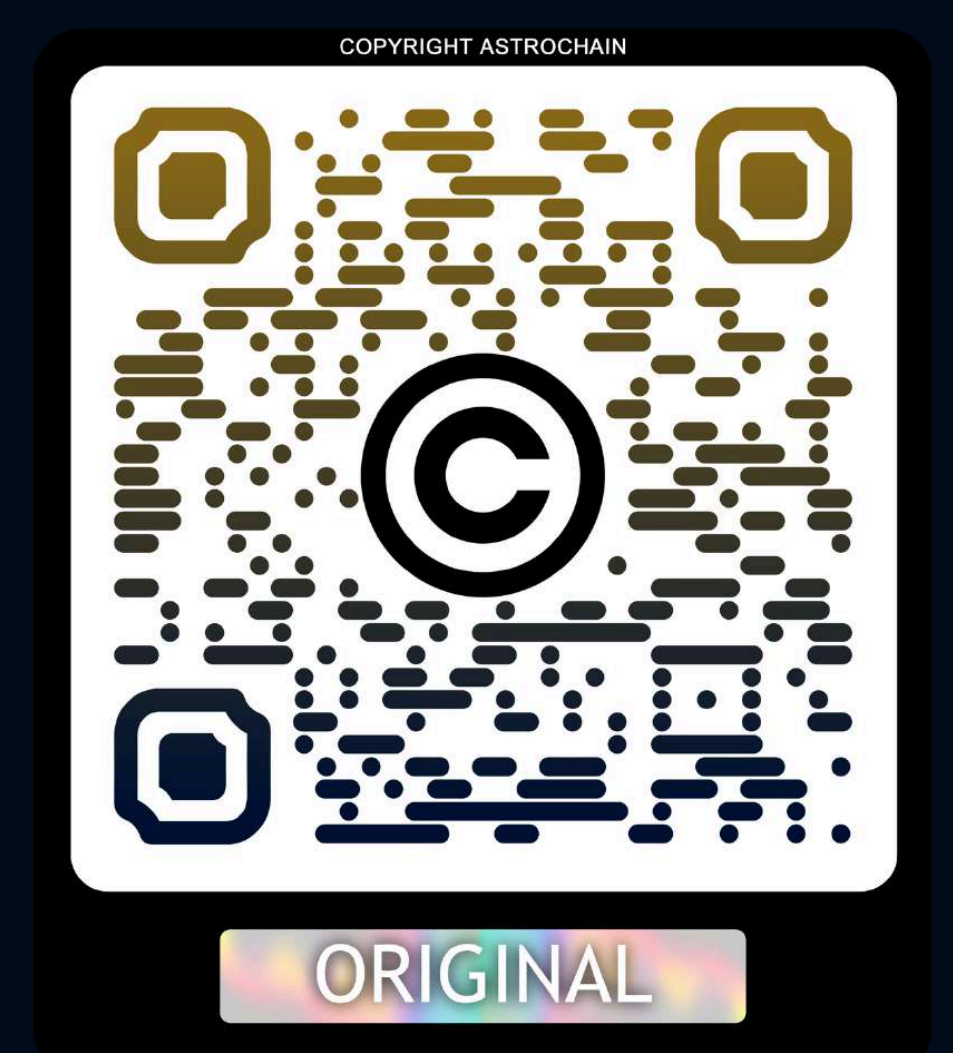
ASTROCENTER METAVERSE

Blending the worlds of space and astronomy, education, and blockchain technology in one home.



The AstroCenter is a cutting-edge metaverse that blends the worlds of space and astronomy, education, and blockchain technology. As a hub for space enthusiasts, researchers, and professionals, the Astrocenter offers a unique platform for community engagement and collaboration. The Astrocenter provides free access to the decentralized database, where users can explore and discover astronomical anomalies and data. Additionally, the space is designed for routine educational events and speakers.

ASTROCHAIN



ASTROCHAIN ROADMAP

Launch of Astrochain Website

Begin Development of Metaverse Platform

Launch of Astrochain Social Communities

Science Communication & Outreach Efforts

Sale of Astrochain Token Card NFTs

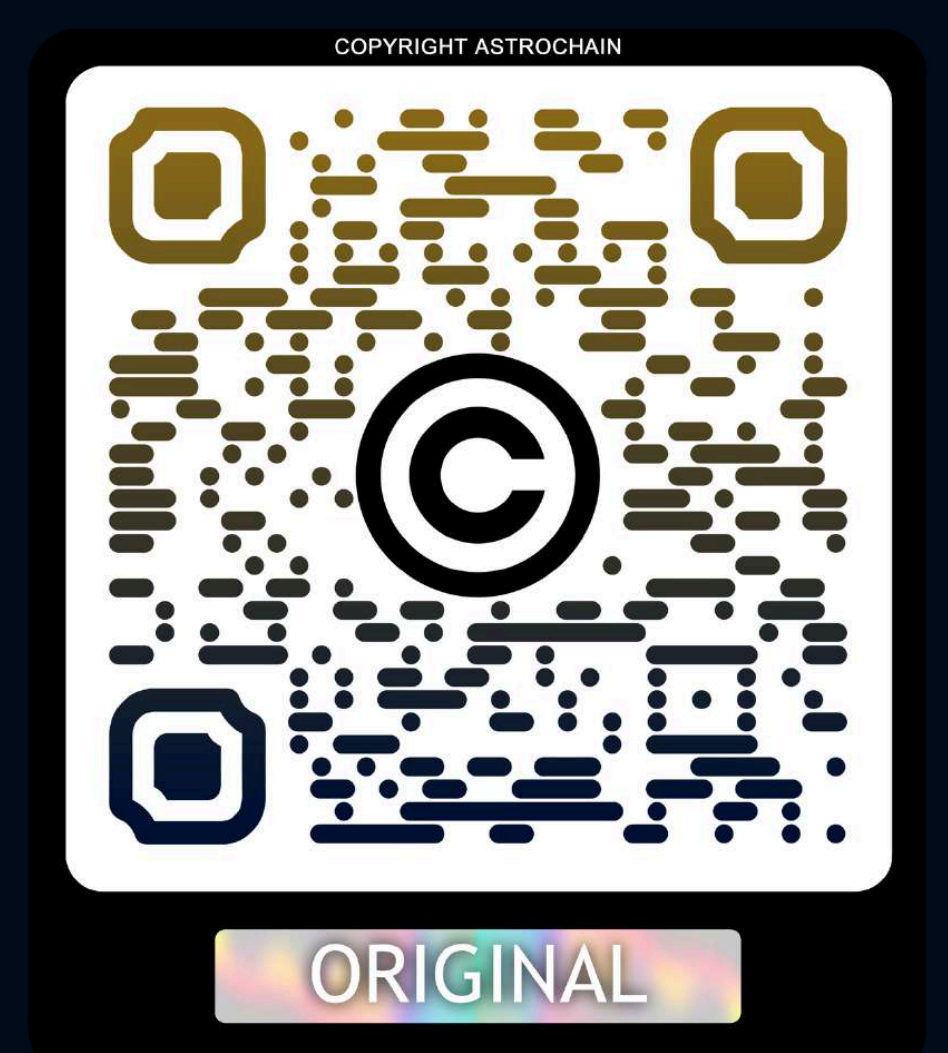
Astrochain dApp Contract Deployments

Astrochain Decentralized Catalog Deployment

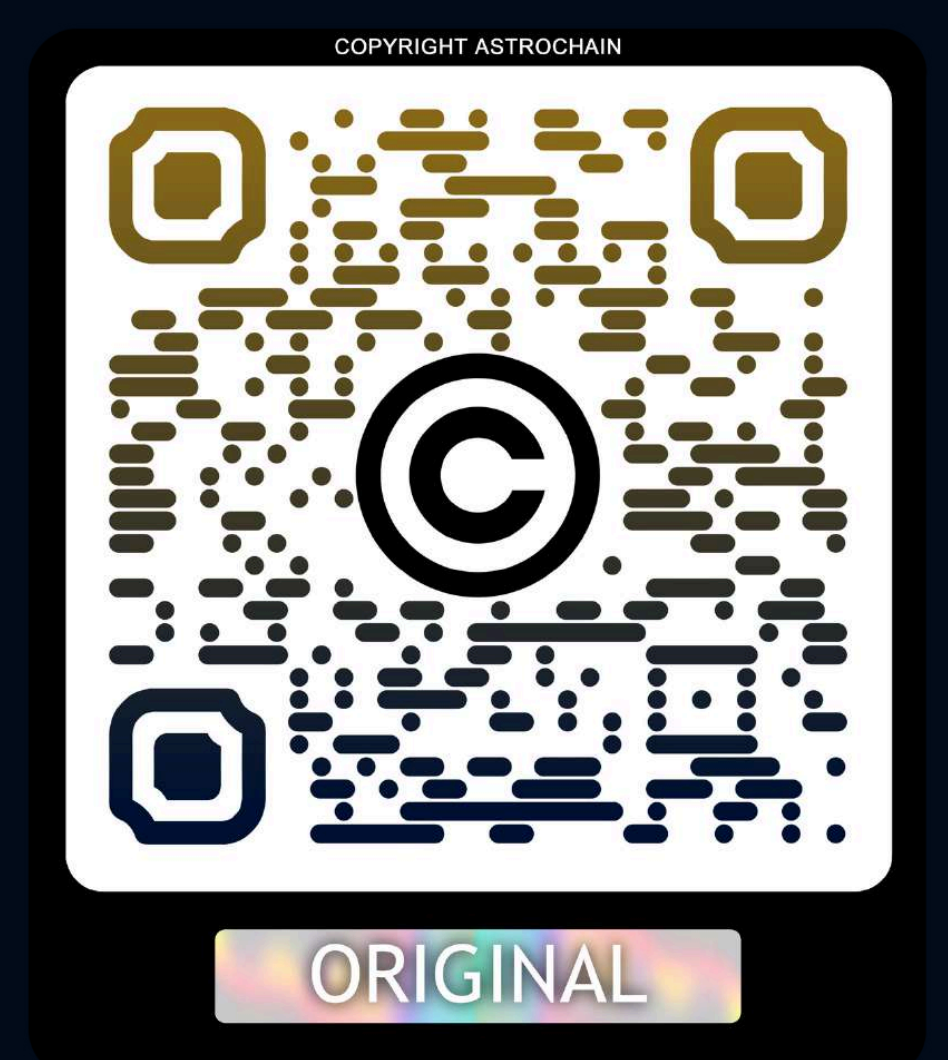
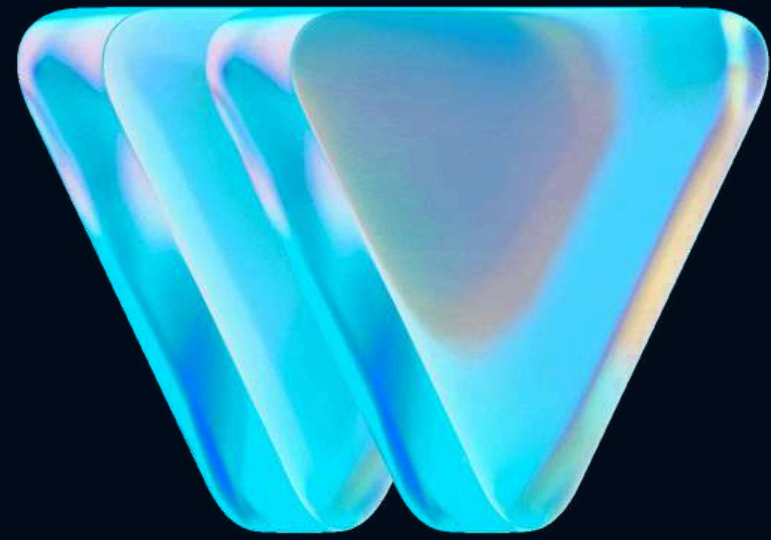
Astrochain Partner Device Network Activated

Astrochain AstroHub Network Activated

More...



ASTROCHAIN PARTNERS

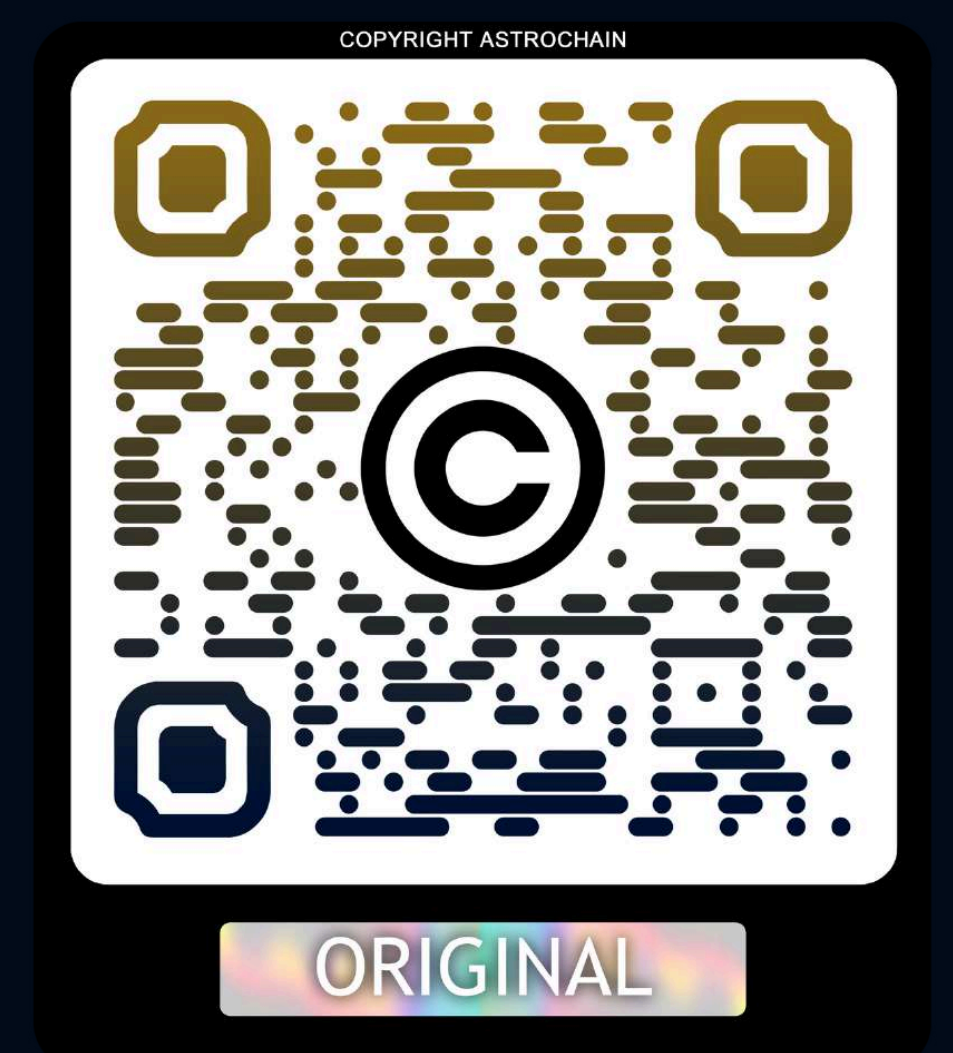


JOIN THE COMMUNITY OF ASTROCHAIN



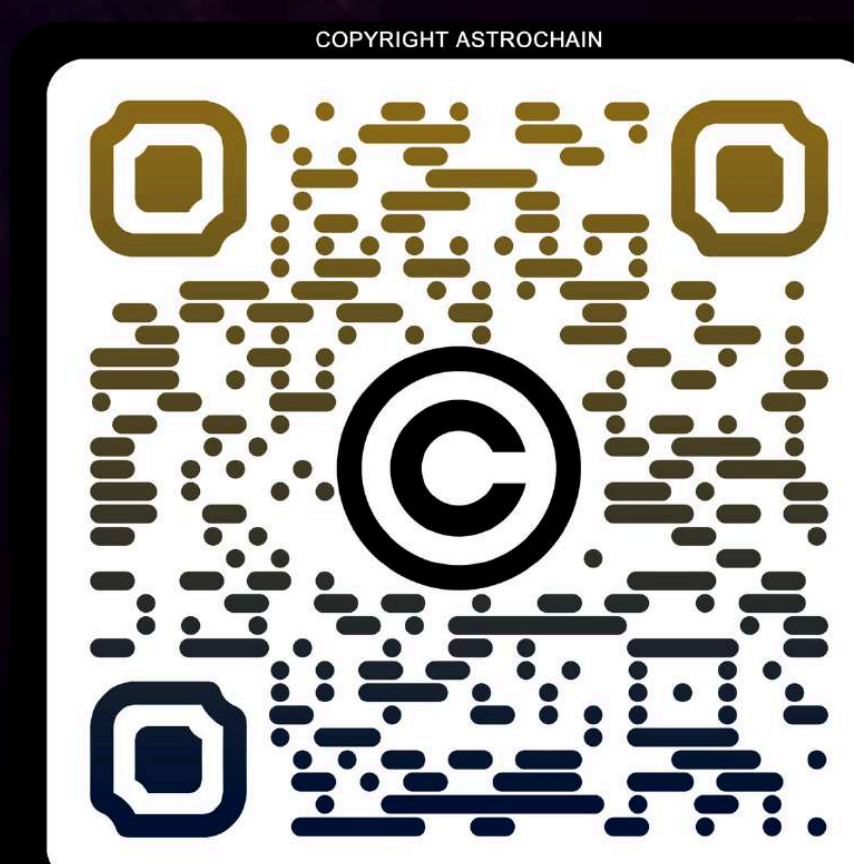
DISCORD
SERVER

ASTROCHAIN



LAST UPDATED

18 March 2024



ORIGINAL