

Decentralized Justice in the NFT Metaverse

FEDERICO AST
CEO

federico@kleros.io



@federicoast



@kleros_io

kleros.io



KLEROS



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European
Commission

Winner of the Blockchains for Social Good
Prize from the European Union's Horizon
2020 research and innovation programme

bpi**france**



Devin Elle Kurtz
@DevinElleKurtz



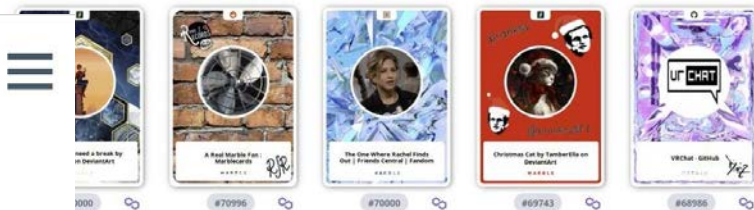
Fake Banksy NFT sells for nearly \$340K after hacker reportedly taps into artist's site

An online auction was linked to from Banksy's official website.

I searched my name to make sure my art hadn't been stolen and turned into NFTs, and sure thing, an obscure old piece from my DeviantArt is randomly on the front page of the marble cards NFT website? How is this allowed...

Newest edition cards

STOLEN...
HINE



Fashion disputes in the Metaverse





The Future of IP Claims

Digital NFTs

Small Claims

Cross-Jurisdiction

Crypto Payments

Smart Contract Enforcement

Anonymous Parties

Anonymous Arbitrators



How can we resolve an exponentially growing number of digital disputes between anonymous parties in metaverse jurisdictions?

New Tools

AI

Artificial
Intelligence

- Machine Learning
- Automation



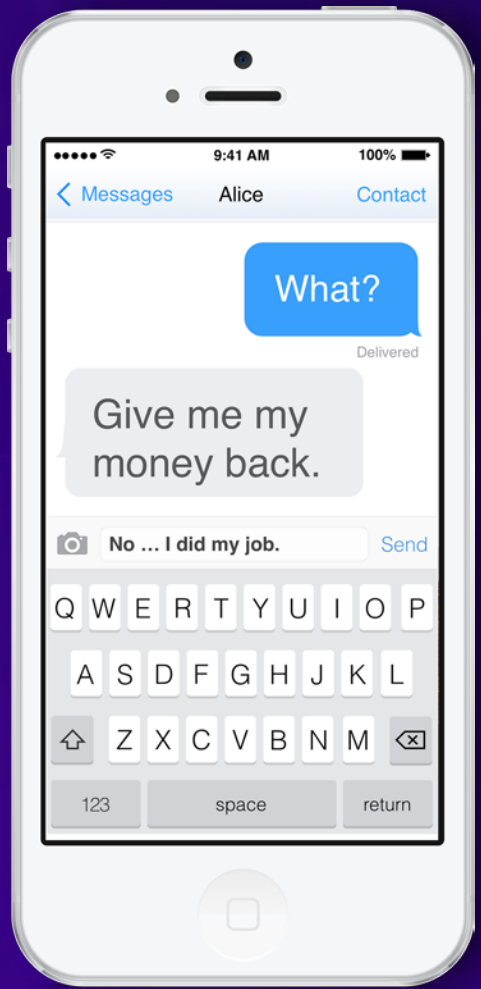
Decentralized
Justice

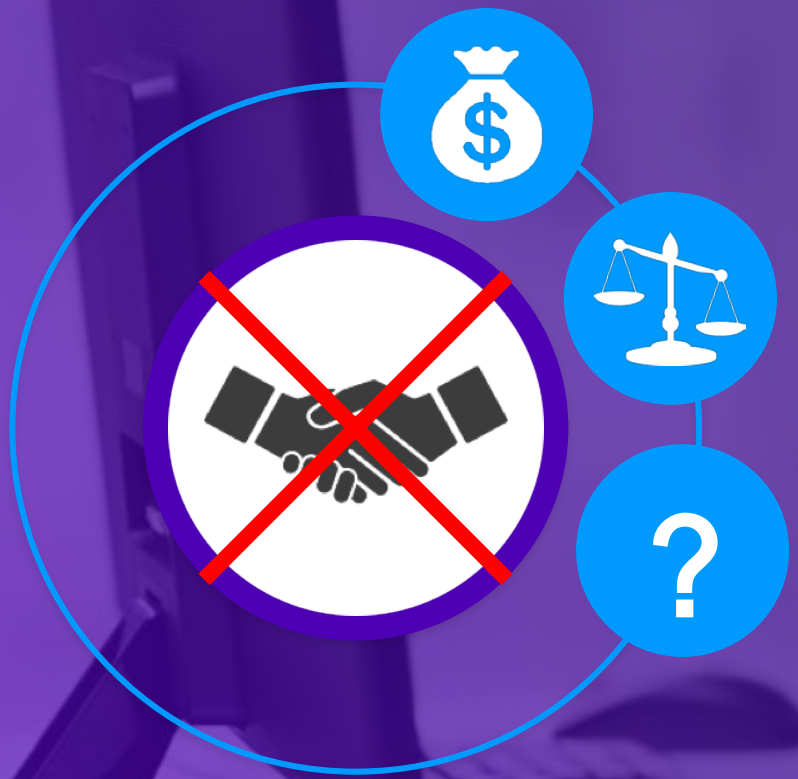
- Blockchain
- Game
- Incentives



The Contract

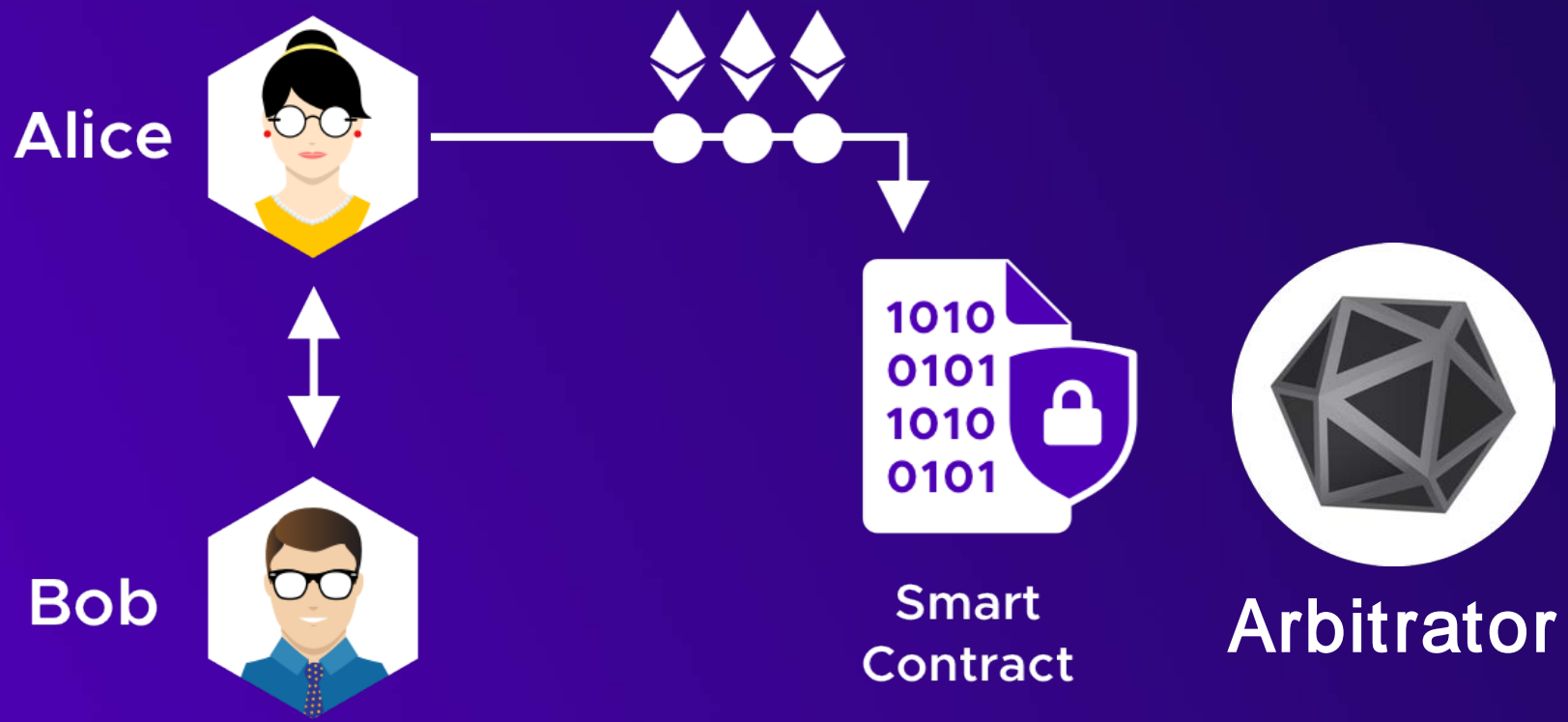






Go to court or international arbitration with an anonymous party over \$500?

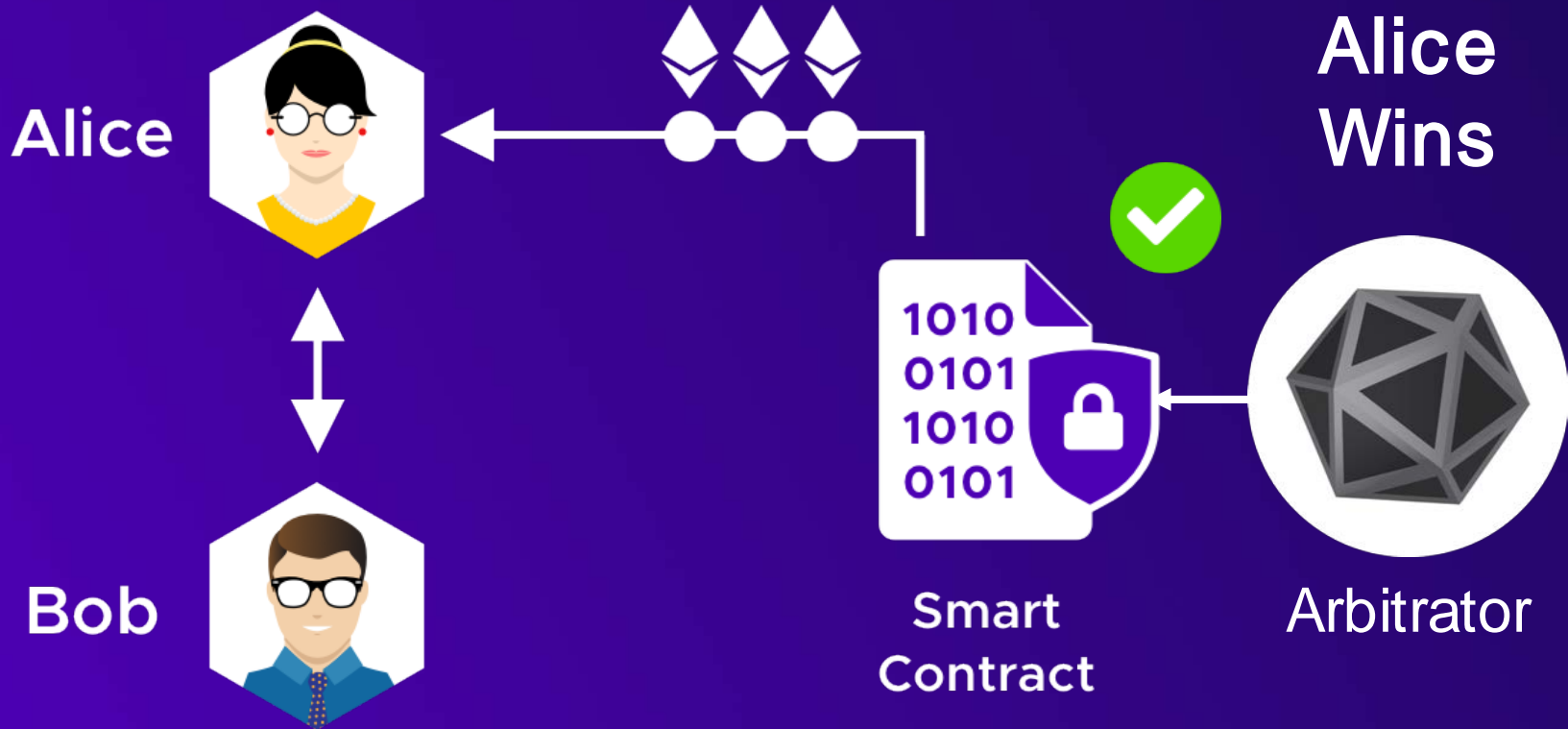






Jurors







PNK



Ethereum token that users need to stake to be drawn as jurors.



General Court

Blockchain

Marketing Services

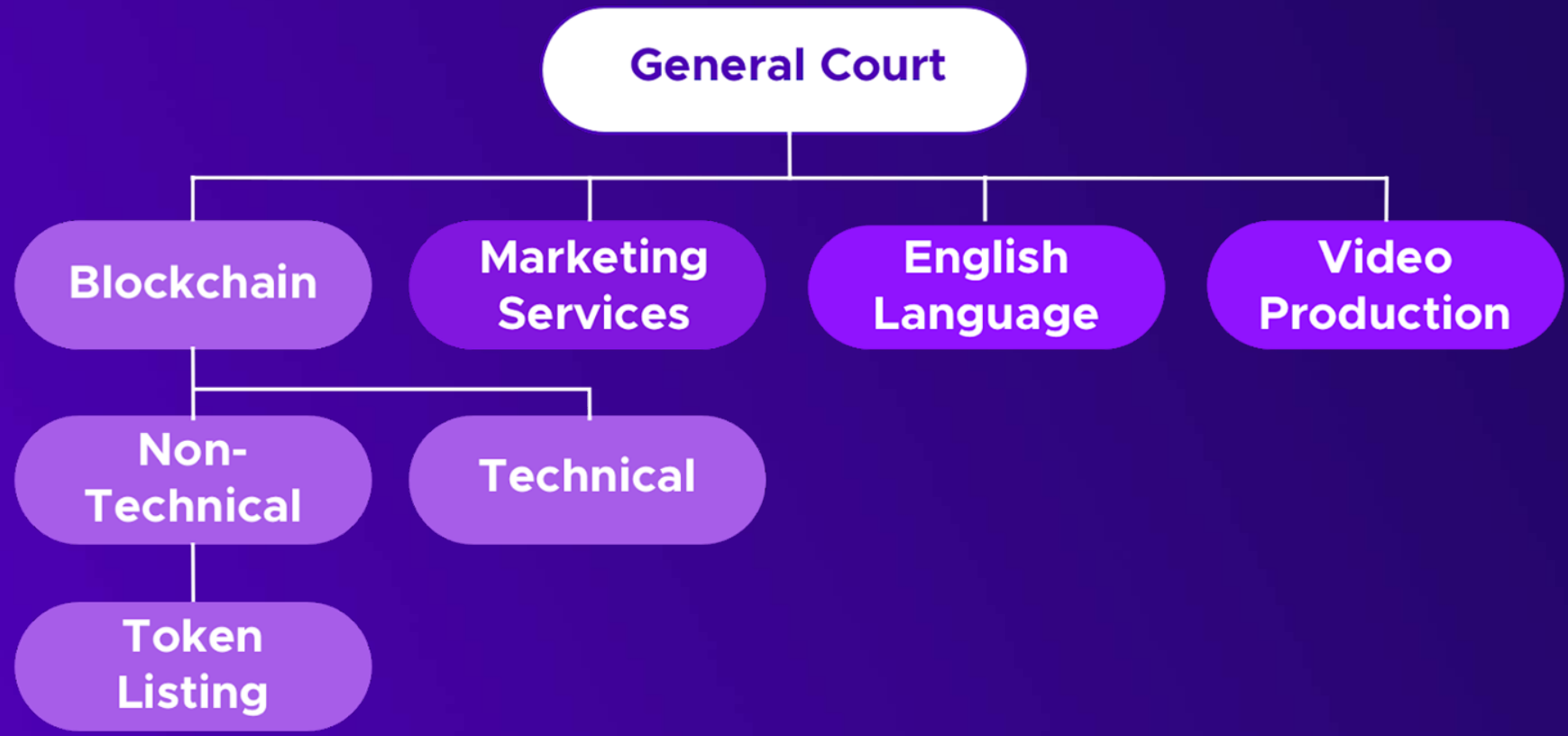
English Language

Video Production

Non-Technical

Technical

Token Listing









Users trying to game
the system will
lose money
(on average)

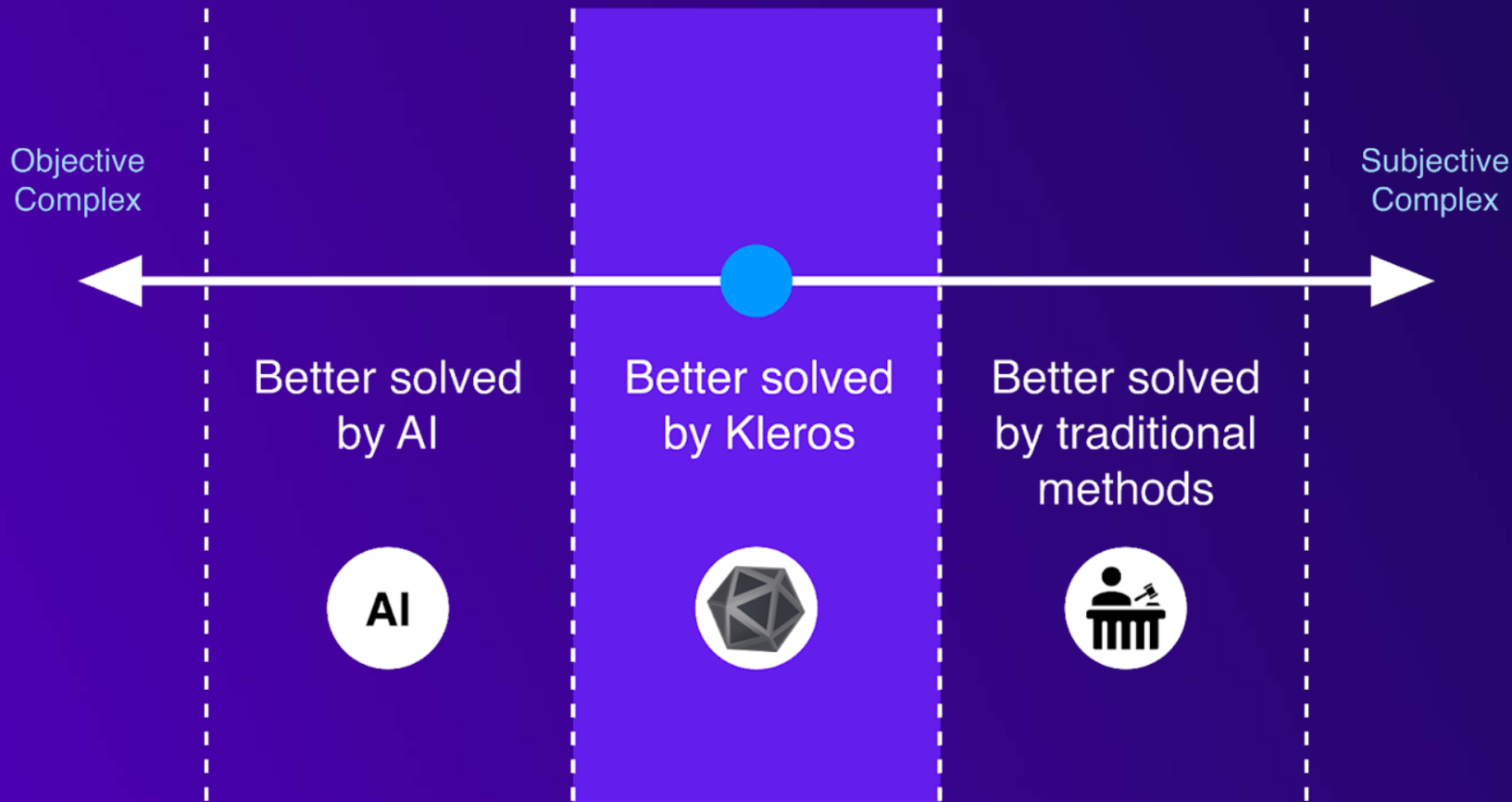




Honest users
will
make money
(on average)

\$





Objective Complex

Subjective Complex

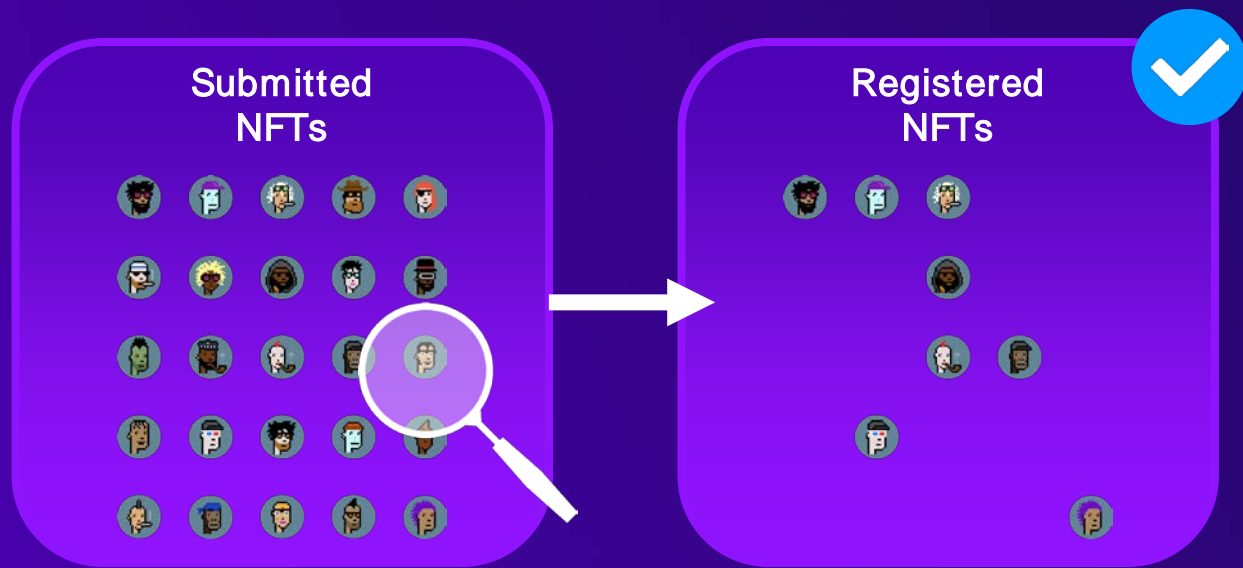
Better solved by AI

Better solved by Kleros

Better solved by traditional methods



Decentralized IP Registration





User Submits Content



Alice



REGISTRY



Bob



Challenge Period



Is this the original author?



Does the author have the rights to sell the NFT?



Content Accepted



REGISTRY

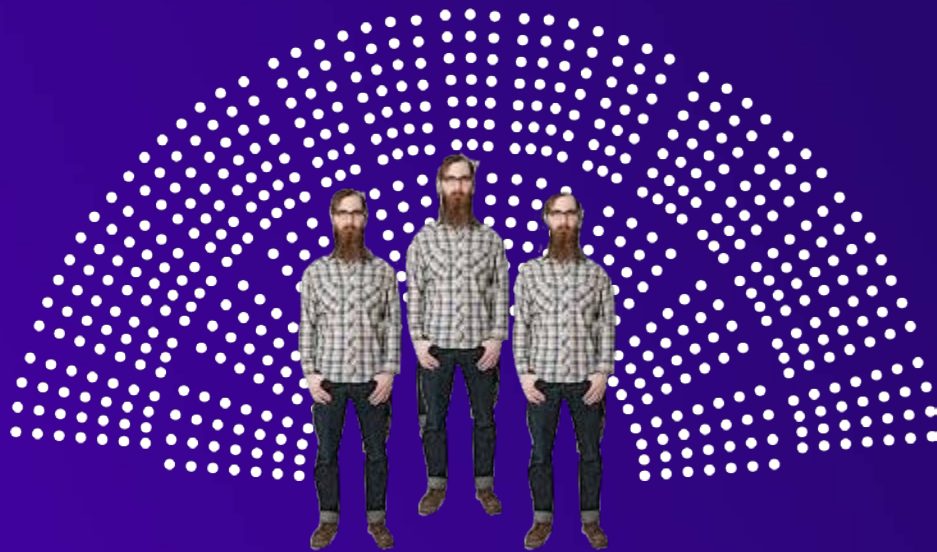




User Sends Content



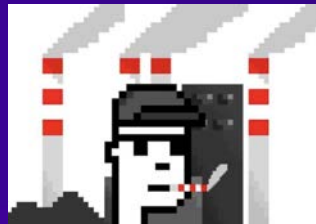
Content Challenged



Jury



User



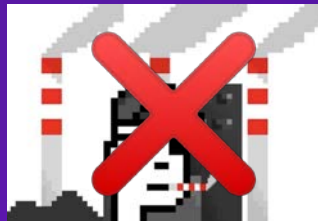
Challenger



Alice



REGISTRY



Bob



REJECTED





4shmask
Alison Lee

Price
€ 2.9888

4 minutes left



Chubbies
Chubbies #1924

Price
€ 3.85

Last € 0.25



BASTARD GAN PUNKS V2
BASTARD GAN PUNK
V2 #7068

Price
€ 3.9999

27 minutes left



4shmask
GoldenRobot

Price
€ 1.2899

12 minutes left



4agnifier
4agnifier

Price
€ 0.1049



Chubbies
Chubbies #3242

Price
€ 0.74

31 minutes left



Maria Sperlich
#482 MG*

Min Bid
€ 0.1

7 days left

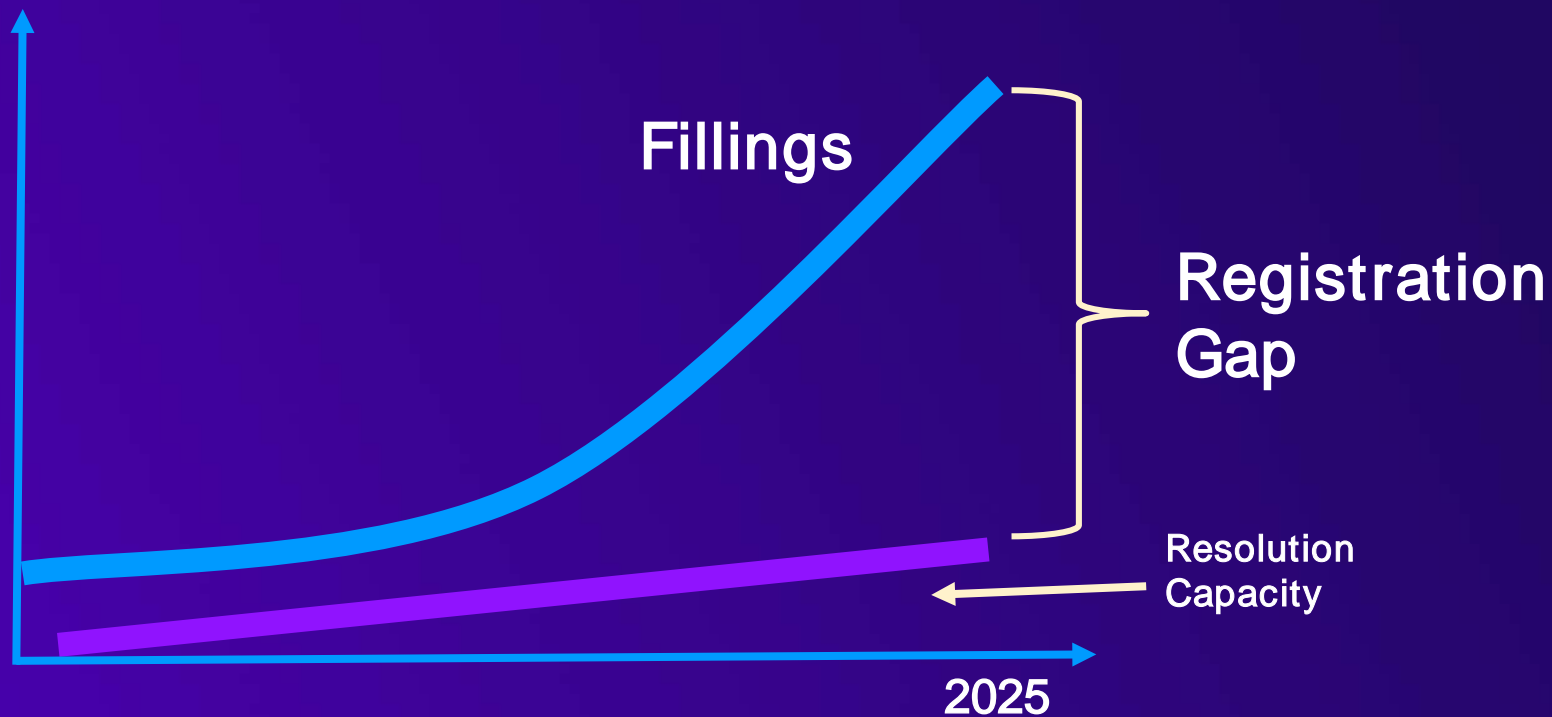


Chubbies
Chubbies #2043

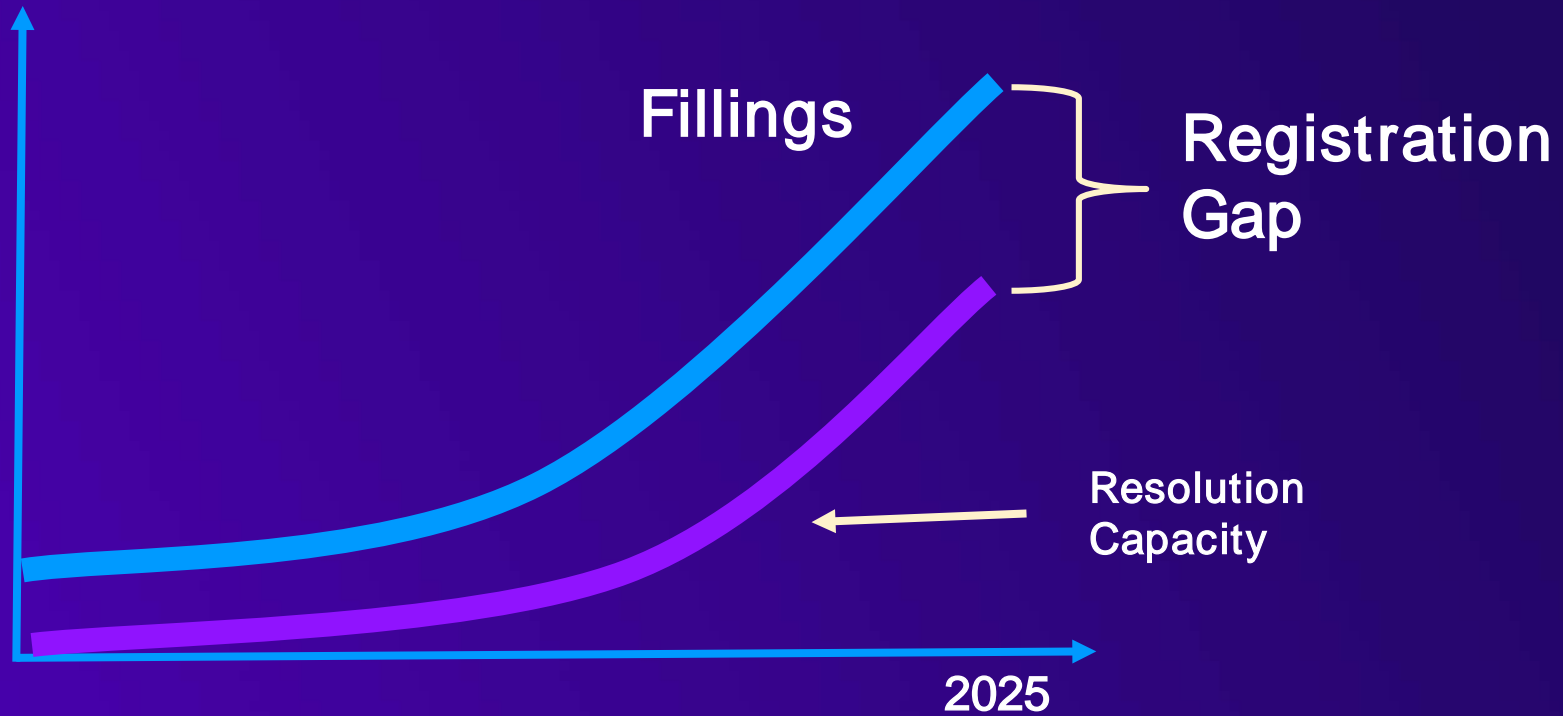
Price
€ 1.99

31 minutes left

A Growing Registration Gap



New Technologies Can Help Reduce It



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FEDERICO AST
CEO

federico@kleros.io



[@federicoast](https://twitter.com/federicoast)



[@kleros_io](https://twitter.com/kleros_io)

kleros.io



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