Blockchain's impact on the sports industry and fan engagement

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Introduction

- Blockchain is revolutionizing the sports industry by enhancing transparency, security, and efficiency across multiple facets.
- It has introduced innovative concepts like fan tokenization, allowing fans to engage actively with their favorite teams.
- Despite facing challenges, including regulatory hurdles, blockchain's potential to transform how sports organizations operate and interact with fans is increasingly evident, promising a more decentralized, transparent, and fan-centric future for the sports industry

Fan Engagement in Sports

Parameter	Traditional Approach		Using Blockchain
Merchandise	Purchase physical items (eg: jer	rseys)	Digital collectibles
Ticketing	Traditional ticketing system	าร	Transparent and secure ticketing
Fan Tokens	Not applicable		Voting rights, access to exclusive content/events
Smart Contracts	Not applicable		Automated for fair athlete payments
Global Reach	Local and regional focus		Global reach, breaking geographical barriers
Interactivity	Limited direct interaction		Direct and interactive fan-team relationships

Fan Tokens

- Type of cryptocurrency that entitles owners to many fan-related membership benefits.
- Ownership and Voting Rights on various club decisions.
- Exclusive content, merchandise, events, and experiences related to the sports club.
- Fan token markets have grown rapidly, with significant market capitalization.
- Fan-centric approach, allowing fans to actively participate in club-related decisions and activities.
- Enable clubs to connect with their global fan base, irrespective of geographical location.

How do Fan Tokens work?

- 1. Issuance by Sports Clubs
- 2. Token Sale
- 3. Ownership and Wallets
- 4. Blockchain Technology
- 5. Voting Rights, Exclusive Content and Benefits
- 6. Token Trading
- 7. Regulatory Considerations

Blockchain-based Fan Token Framework

Utility

- Access & membership
- Governance
- Engagement / participation
- Value creation

Empowerment Dimension

Financialization

- · Investment & speculation
- · Funding & issuance
- Tokenomics
- · Trading & secondary markets

Trust and Efficiency Layer

- Integrity
- Transparency
- Censorship-free
- · Automation

Socios Fan Token Platform



How Socios works?

Get ASR Tokens

14:44 How many ASR tokens would you like?

10

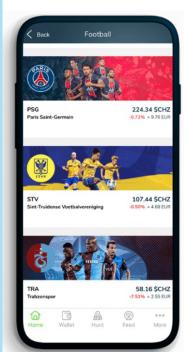
Amount to pay Wallet Balance: 829.37 \$CHZ (35.3 EUR)

> CHZ 1477.3

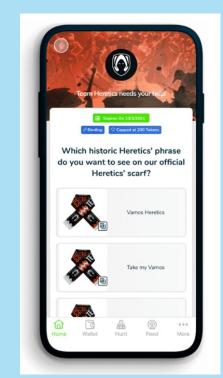
1 SASR = 147.73 SCHZ

MNO WXYZ

(X)







STEP 3 Vote on team polls



STEP 4 Engage & score rewards

STEP 2 Buy Fan Tokens & hunt free Tokens

Literature Review

Enhancing Trust, Efficiency, and Empowerment in Sports: Developing a Blockchain-Based Fan Token Framework

Conclusion

- Fan tokens represent a remarkable convergence of blockchain technology and sports fandom, offering an innovative and engaging way for fans to connect with their favorite teams and organizations.
- While fan tokens have gained popularity primarily in football (soccer) clubs, their potential extends across various sports and industries.
- They signify a shift towards more interactive and inclusive fan experiences, underlining the ever-evolving relationship between technology and sports fandom.

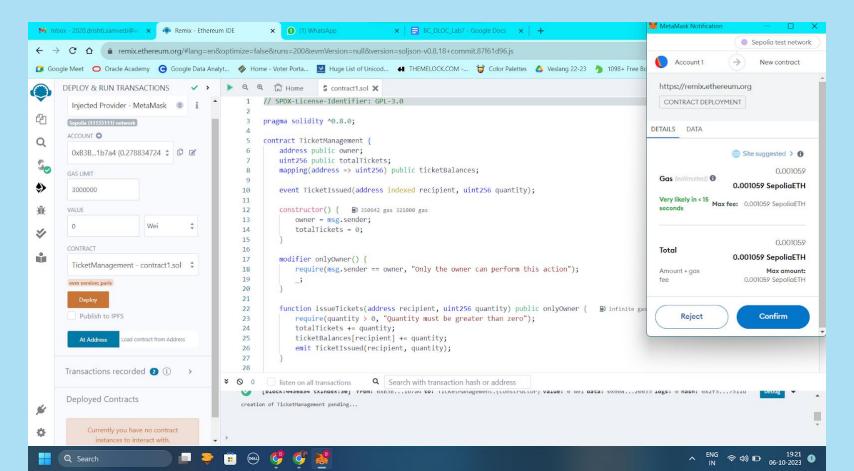
Experiment 6: Smart Contract 1

```
// SPDX-License-Identifier: GPL-3.0
     pragma solidity ^0.8.0;
     contract TicketManagement {
         address public owner;
         uint256 public totalTickets;
 8
         mapping(address => uint256) public ticketBalances;
10
         event TicketIssued(address indexed recipient, uint256 quantity);
11
12
         constructor() { 🕒 350642 gas 321000 gas
             owner = msg.sender;
13
             totalTickets = 0;
14
15
16
         modifier onlyOwner() {
17
             require(msg.sender == owner, "Only the owner can perform this action");
18
19
             _;
20
21
         function issueTickets(address recipient, uint256 quantity) public onlyOwner {
22
             require(quantity > 0, "Quantity must be greater than zero");
23
             totalTickets += quantity;
24
             ticketBalances[recipient] += quantity;
25
             emit TicketIssued(recipient, quantity);
26
27
29
         function getMyTicketBalance() public view returns (uint256) { ■ 2548 gas
             return ticketBalances[msg.sender];
30
31
32
```

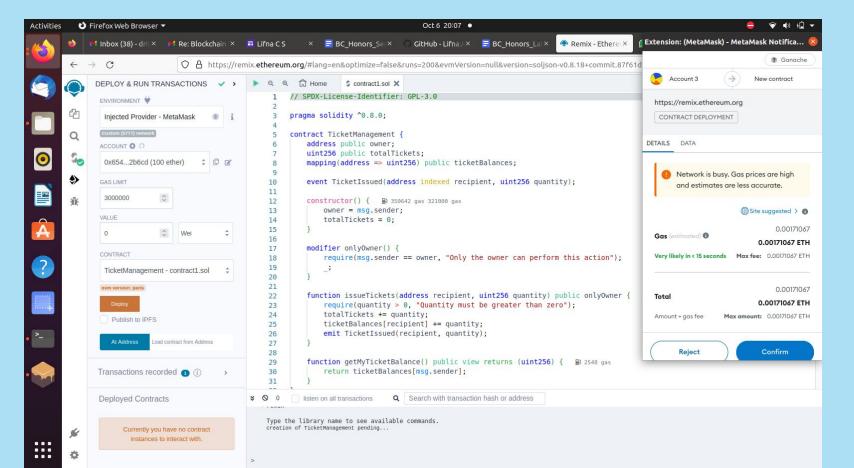
Experiment 6: Smart Contract 2

```
// SPDX-License-Identifier: GPL-3.0
 2
     pragma solidity ^0.8.0;
 5
     contract FanEngagementVoting {
         address public owner;
         mapping(address => uint256) public votes;
         uint256 public totalVotes;
 8
 9
         constructor() { 🕒 278167 gas 248600 gas
10
             owner = msg.sender;
11
12
             totalVotes = 0;
13
14
15
         modifier onlyOwner() {
             require(msg.sender == owner, "Only the owner can perform this action");
16
17
18
19
         function voteForAddress(address candidate) public { ■ infinite gas
20
             require(candidate != address(0), "Invalid candidate address");
21
             require(msg.sender != candidate, "You cannot vote for yourself");
22
23
             votes[candidate] += 1;
24
             totalVotes += 1;
25
26
27
```

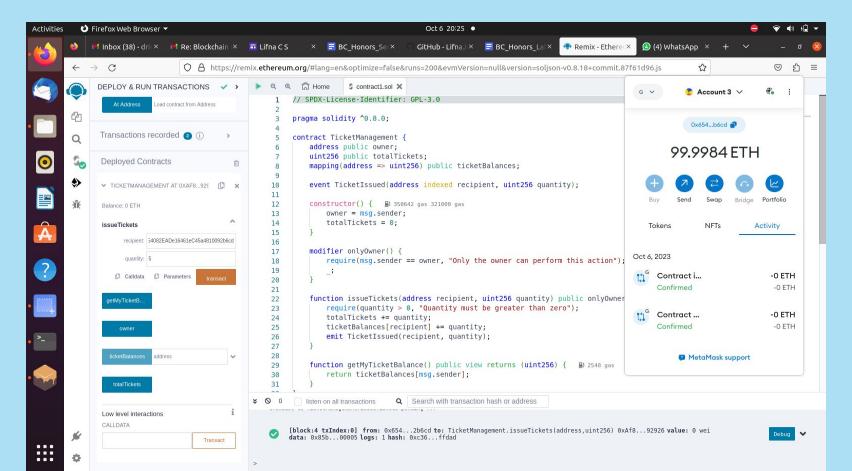
Experiment 7: Integration with Metamask



Experiment 8: Deploying with Ganache Account



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Experiment 8: Deploying with Ganache Account



