POP - Proof of Place

The Spatial Verification Layer for Web3

What Is It?

POP proves that a user was at a specific location, at a specific time, and optionally performed a task.

Think of it like Proof of Attendance Protocol (POAP) but leveled up with geolocation, ZK logic, and real-world impact.

> "Don't just say you were there. Show it. And get rewarded."

X Tech Modes of Verification

Type Description Privacy Level

GPS Proof Location shared via device sensors Low

Photo/Video Upload Media evidence, optionally Al-verified Medium

Satellite+Al Task confirmation via open satellite + machine learning High

Reer Witnessing Other verified users confirm presence High

TX Proof of Location Zero-knowledge circuit proving location without exposing it Very High

Combine them = composite POP.

POP Data Structure

Each POP event includes:

Timestamp

Geocoordinates (hashed or raw)

Proof method

Optional media or task metadata

Associated wallet or burner ID

rNFT/GeoNFT ID (if it unlocks something)

Stored via IPFS, Arweave, or local mesh until synced.



Domain Example

Urban Planning Voters prove they're residents of a zone to vote on zoning

Events Prove you were at a protest, concert, or conference

✓ Missions Complete a clean-up, tree-plant, or SDG task + submit proof

The Shopping Reward walking to a local business, eco-market, or museum

***** Education Attendance tracking for outdoor learning or civic tours

integrated Stack

POP is not standalone — it plugs into:

rNFTs: Unlock layers, rewards, or narrative branches

Drop.me: Scan \rightarrow prove \rightarrow receive token/message

GeoNFTs: Enforce location-based ownership

POSI: Proof = points. Points = public good karma.

Mintstations: Station asks for POP → NFT minted

Flashloan triggers: Optional. You get in, you mint, then you qualify Why It's Different Unlike Google Maps or POAPs: Verifiable, permissionless, optional zk Open standard for spatial coordination Civic layer for the real world Works offline and syncs later if needed Layered logic (e.g., "You must have POP'd in Berlin + cleaned a park") POP Reward Loop 1. Nou do something at a place 2. POP proves it 3. | Unlock mission, rNFT, POSI, or token drop 4. A Share, build rep, climb leaderboard It's IRL karma mining.

POP & SDGgame

Each SDG quest has:

- A location
- A timeframe
- A POP requirement
- ↓ A reward → verified via Drop.me or GeoDAO

You do it \rightarrow you prove it \rightarrow world gets better \rightarrow you rise.

→ TL;DR

> POP = your key to unlock spatial value in Web3. From protests to pizza shops, cleanups to cathedrals — if you were there, it counts.