

# **Co:OPERATE - Building with purpose, building for all**

**Introducing SocialConnect and rediscovering Celo's fee currency feature**

## **Part 1: Rediscovering Celo's fee currency feature**

## Abstracting the concept of gas currencies

- User experience with native tokens: CEL0 , ETH , ...
- User experience with stabletokens cUSD , cEUR , ...

## Get started using fee currencies

```
import 'viem' from "viem"  
import { celo } from "viem/chains"  
import { stableTokenABI } from "@celo/abis"
```

```
const transaction = {  
  from: account.address,  
  to,  
  value: parseEther(value),  
  feeCurrency: FEE_CURRENCIES["cusd"],  
}
```

 Full demo on Github: [Oxarthurxyz/ethcc-workshop](https://github.com/Oxarthurxyz/ethcc-workshop)

## **Part 2: Introducing SocialConnect**

# Abstracting the concept of hexadecimal addresses

- User experience with **hexadecimal** addresses: `0x76a4dac...a7315`
- User experience with **phone** numbers, **email** addresses, and other social identifiers:  
`+54 182 143 21743` , `alice@example.com` , ...

# Get started using SocialConnect

```
// upload identifier -> address mapping to onchain registry
await federatedAttestationsContract.registerAttestationAsIssuer(
    obfuscatedIdentifier,
    account,
    NOW_TIMESTAMP
);
```

```
// lookup onchain mapping
const attestations = federatedAttestationsContract.lookupAttestations(
    obfuscatedIdentifier,
    [ this.issuer.address, ]
);
```

 Full demo website: [socialconnect.dev](https://socialconnect.dev)

## Next steps

- Learn more: [socialconnect.dev](https://socialconnect.dev)
- Join: ETHGlobal Paris hackathon
- Find me: [@0xarthurxyz](https://twitter.com/0xarthurxyz)


## Prizes

Celo Foundation will award 5 prizes to the best teams building for Access: onboarding the next billion users utilizing Celo and tools like Account Abstraction and Social Connect.

### Best dApps on Celo blockchain

- 🥇 1st Place: \$3,000
- 🥈 2nd Place: \$2,000
- 🥉 3rd Place: \$1,000
- 📱 Best dApp on Celo utilizing Social Connect: \$2,000
- 🏆 Best dApp utilizing Account Abstraction on Celo: \$2,000

## Workshop

 This workshop is happening in-person

**Build Consumer Focused DApps using SocialConnect and Account Abstraction**

**Time:** 04:00 PM CEST – Jul 21, 2023

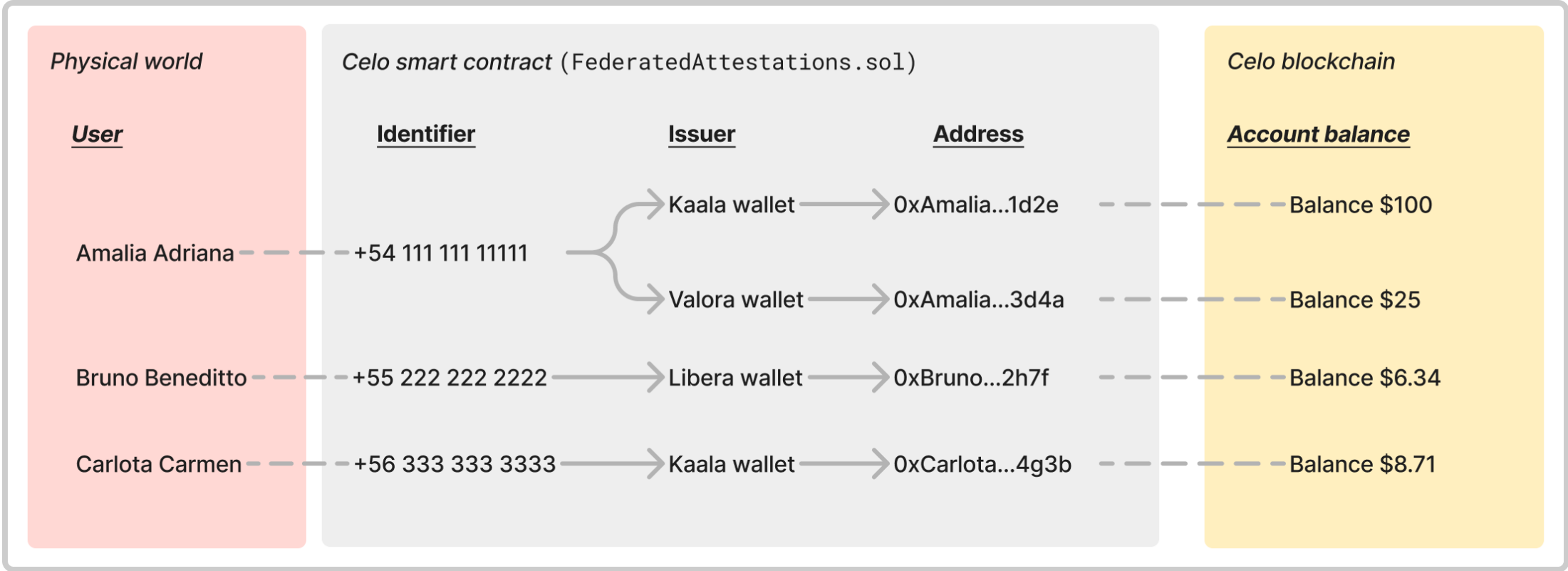
**Location:** Workshop Room 3

**Workshop description** ▾



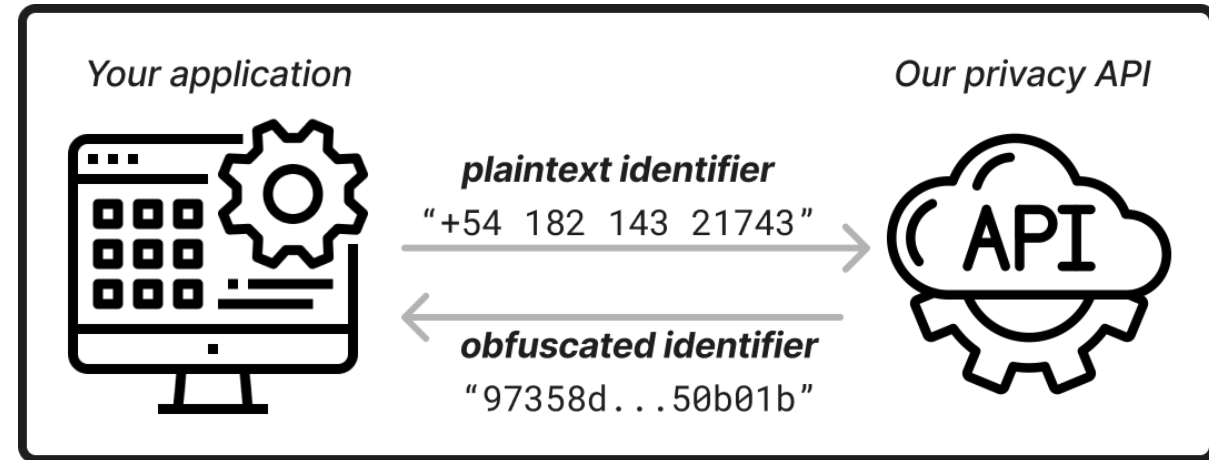
# Appendix

# SocialConnect Mapping



# 1 - Obfuscate

Our **privacy API** lets developers obfuscate identifiers while maintaining **interoperability** across applications.



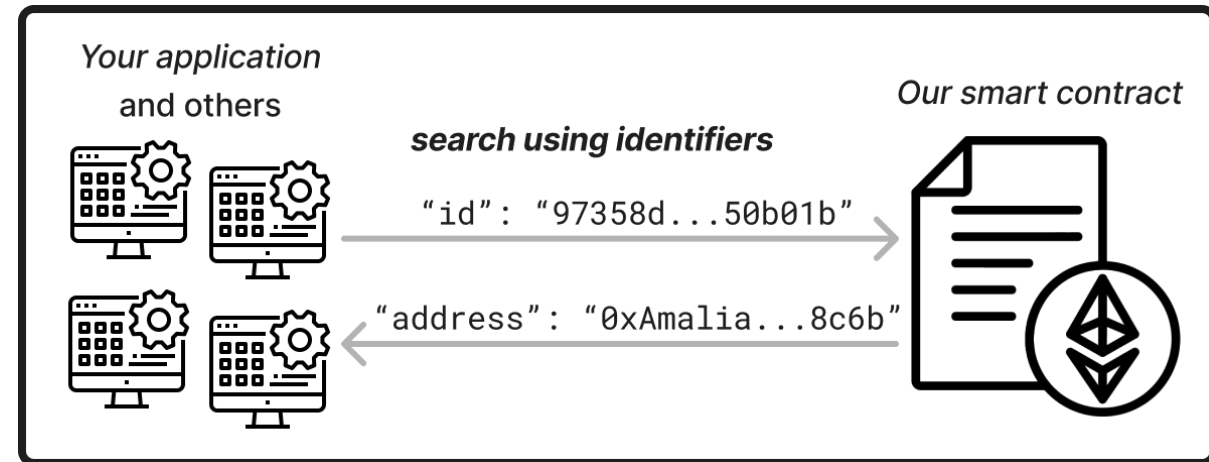
## 2 - Register

Our SDK gives developers complete **freedom** to design **verification** flows and **register** identifiers.



### 3 - Search

Our SDK lets developers design **delightful** and intuitive **user experiences**.



# Metamask

Arthur's ...

Images

Send

0x9Ea5E9b9B48a72325D59B3EBA147F42b1b14BF78

Asset:

ETH

Balance: 0.0854128 ETH

Amount:

10 ETH

£0.00 GBP

Gas (estimated) ⓘ

0.00048164 ETH

Likely in < 30 seconds

Max fee: 0.00064948 ETH

Cancel

Next

11:52

Send to

Ethereum Main Network

Cancel

From:

Oxarthur.xyz

Balance: 0.08541 ETH

To:

0x9Ea5E9b9B48a72325D59B3EBA147F42b1

!

Recipient address is invalid.

q w e r t y u i o p

a s d f g h j k l

⬆ z x c v b n m ⬆

123 😊 space return

# Ledger

Send

1

2

3

4

RecipientAmountSummaryDevice

Account to debit

ETH

HODL

0.898774 ETH

↓

Recipient address

0x9Ea5E9b9B48a72325D59B3EBA147F42b1b14BF78

Continue

12:22

Step 2 of 5

Recipient address

✕

Scan QR code

OR

9b9B48a72325D59B3EBA147F42b1b14BF78

Continue

1234567890

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ABC 😊 space return

🌐 🎤

