



# Impact Evaluator Grant

Milestone 2

What's Cookin` Team

# Impact Evaluator Components

- **Impact Evaluator Console**
  - POC is implemented using Taiga as the source
  - The goal is to support a pluggable source for Claims.
  - Enables a workflow flow of:
    - Approve Funds – persists “Approved” claims to composeDB
    - Distribute Funds – persists “Distributed” claims to composeDB
    - Submit for Payment – 1) retrieves “Approved” and “Distributed” claims from composeDB, 2) persists claims to web3.storage 3) Initiates Bacalhau compute using web3.storage CID.
- **Bacalhau Compute {Chris...can you please ensure we have the right bullets here}**
  - Receives the CID for the claims persisted to web3.storage
  - Calculates the rewards and balances them to the amount in the Approved Reward.
  - Returns a Merkle tree of rewards.
- **Wrapper Contract {Kartekeya can you please put the right bullets here}**
  - Receives a Merkle tree of rewards
  - Sets a one-day challenge
  - Host the token airdrop address

# Reusability

Each of the components within this solution offers opportunities for reusability. The following outlines each component's current level of reusability and opportunities for improving future reusability.

- IE Console – the sources for the data fed into the evaluator for each round can be a pluggable component. The POC is implemented with Taiga as the source of the data, but additional sources can be added. The pluggable component would simply be an extract of the source data and a mapping to the standard claim model. *{Sami....please help with wording}*
- Bacalhau – The compute component can be made a pluggable component allowing the implementor to customize the rules of the calculation. *{Chris...please help with the wording}*
- Wrapper Contract – The wrapper can easily support any ERC20 token. *{Kartekeya....please help with wording}*

# IE Console Screenshots

Home

Approve

Distribute

Payment

Disconnect (did:pkh:elp155:5:0x8cce0b984e08a05306fd8852217c23b79fa38334)

Approve Tasks

Total Approved Amount: 284.40

(All amounts are in USDC)

Task: User Story 2

Task Amount: 284.40

Project: IE Test Project

Owner: mzaremskas

Effective Date: null

Approved Amount (USDC): 284.40

Available Amount (USDC): 284.40

Status: **Approved**

Approved Stream ID: kjz6kcyw7w8ya8cdq4ua76zt81ef6bys01i85hyigtdt8opq8ifz2izmugzvq

Task: User Story 3

Task Amount: 283.20

Project: IE Test Project

Owner: mzaremskas

Effective Date: null

Approved Amount (USDC): 0.00

Available Amount (USDC): 283.20

Status: **Needs Approval**

Approve

Task: User Story 5

Task Amount: 280.40

Project: IE Test Project

Owner: mzaremskas

Effective Date: null

Approved Amount (USDC): 0.00

Available Amount (USDC): 280.40

Status: **Needs Approval**

Approve

Home

Approve

Distribute

Payment

Disconnect (did:pkh:elp155:5:0x8cce0b984e08a05306fd8852217c23b79fa38334)

Distribute Approved and Completed Tasks

Total Distributed Amount: 285.40

Task: User Story 1

Task Amount: 285.40

Project: IE Test Project

Owner: mzaremskas

Effective Date: 2023-01-22

Approved Amount: 285.40

Distributed Amount: 285.40

Available Amount: 0.00

Status: **Submitted**

Earned Stream ID for chris: kjz6kcyw7w8y6uqp8jgib6u678c5zseqwh9qyazfm31q1s02rr0xdmnpbp43

Earned Stream ID for chowdhury.sami.al: kjz6kcyw7w8y6c24gd10cbq99hohtkxsonaeioa/tuzilr8s0jtvaj6kbcus

Task: User Story 4

Task Amount: 282.60

Project: IE Test Project

Owner: mzaremskas

Effective Date: 2023-01-23

Approved Amount: 282.60

Distributed Amount: 282.60

Available Amount: 0.00

Status: **Task Complete**

Remaining funds to be distributed: 0.00

Member

Amount

chowdhury.sami.al

100

Remove

chris

182.6

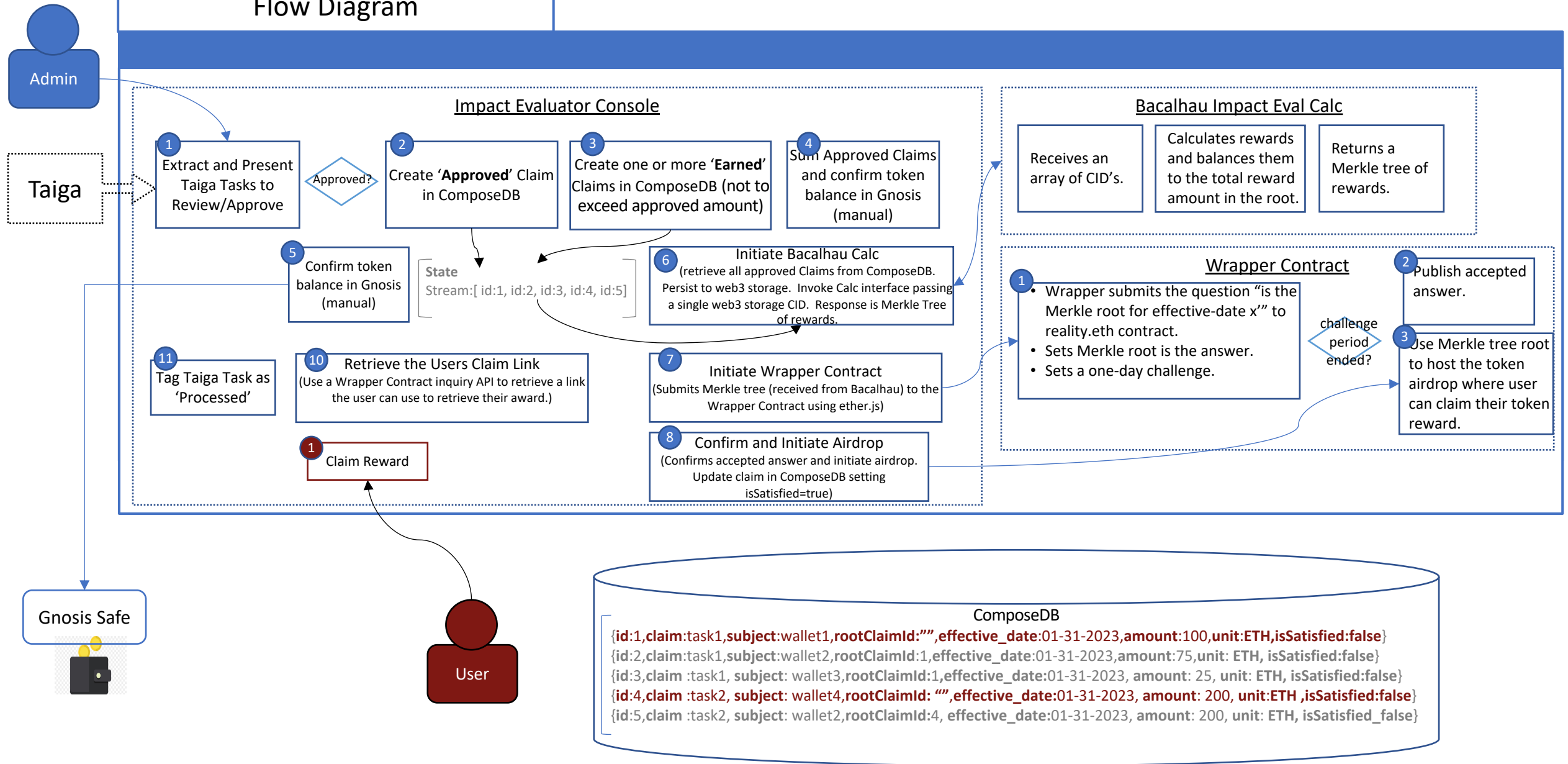
Remove

Add

Submit

Placeholder for Payments  
screenshot

# Flow Diagram



## Claim Model

```
type IEClaim
@createModel(
  accountRelation: LIST
  description: "Claim or attestation, possibly from 3rd party sources"
) {
  subject: String @string(minLength: 1, maxLength: 256)
  claim: String @string(minLength: 1, maxLength: 1024)
  root_claim_id: String @string(minLength: 1, maxLength: 1024)
  round: String @string(minLength: xx, maxLength: xx)
  amount: Int
  amountUnits: String @string(minLength: 1, maxLength: 16)
  isSatisfied: Boolean @boolean
  effective_date: String! @string(minLength: 1, maxLength: 10)
  statement: String @string(minLength: 1, maxLength: 16384)
  source: String @string(minLength: 1, maxLength: 1024)
  digestMultibase: String @string(minLength: 1, maxLength: 256)

  aspect: String @string(minLength: 1, maxLength: 256)
  object: String @string(minLength: 1, maxLength: 1024)
  confidence: Float @float(min: 0, max: 1)
  rating: Float @float(min: -1, max: 1)
  intendedAudience: String @string(minLength: 1, maxLength: 256)
  respondAt: String @string(minLength: 1, maxLength: 1024)
}
```

*Approved Claims will not have a root\_claim\_id value. Earned claims will have the stream id of the Approved claim.*