amply

9 consent

A PROJECT BY 9NEEDS & CONSENT

IDENTITY & BENEFITS MANAGEMENT PLATFORM

45,000+ ECD CENTRES

700,000+ CHILDREN
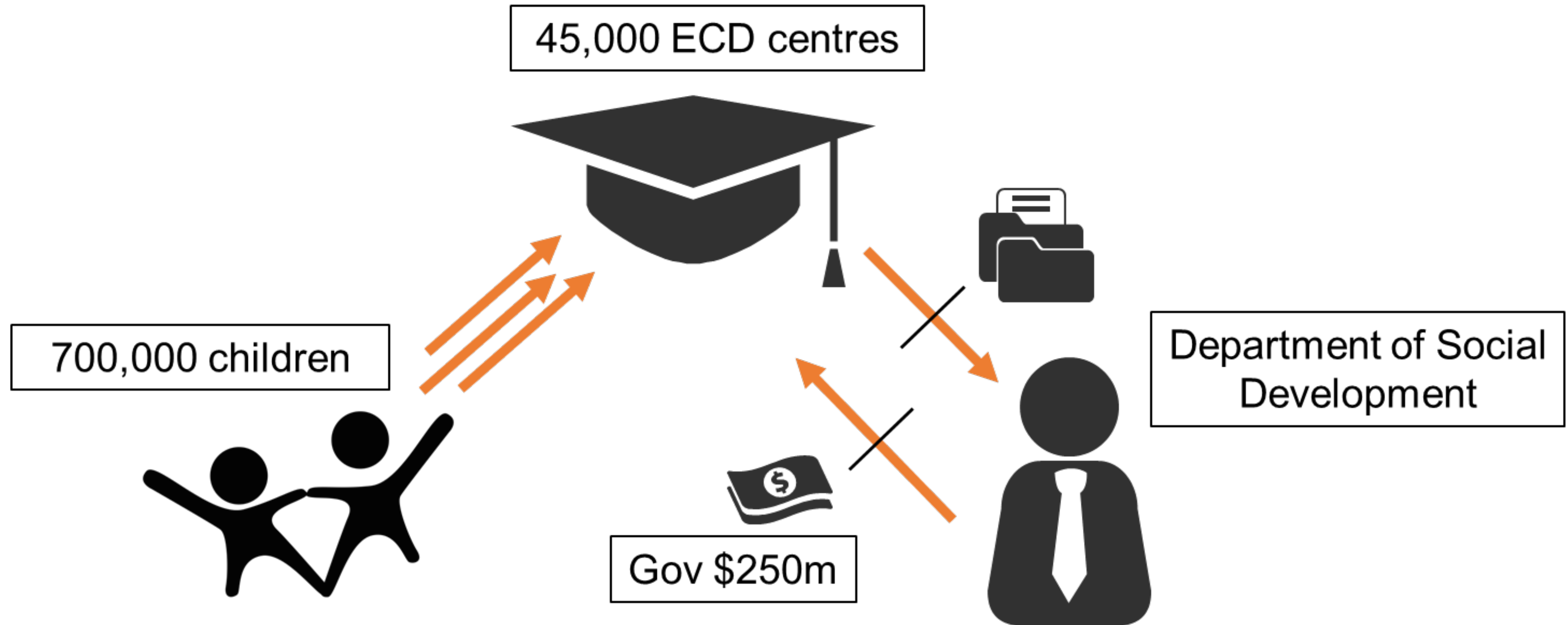
R3BN YEARLY ECD BUDGET

CURRENT BENEFIT SYSTEM

45,000 ECD centres

700,000 children

Gov $250m

Department of Social Development

DIGITSE ECD RECORDS AND REDUCE ADMIN COSTS
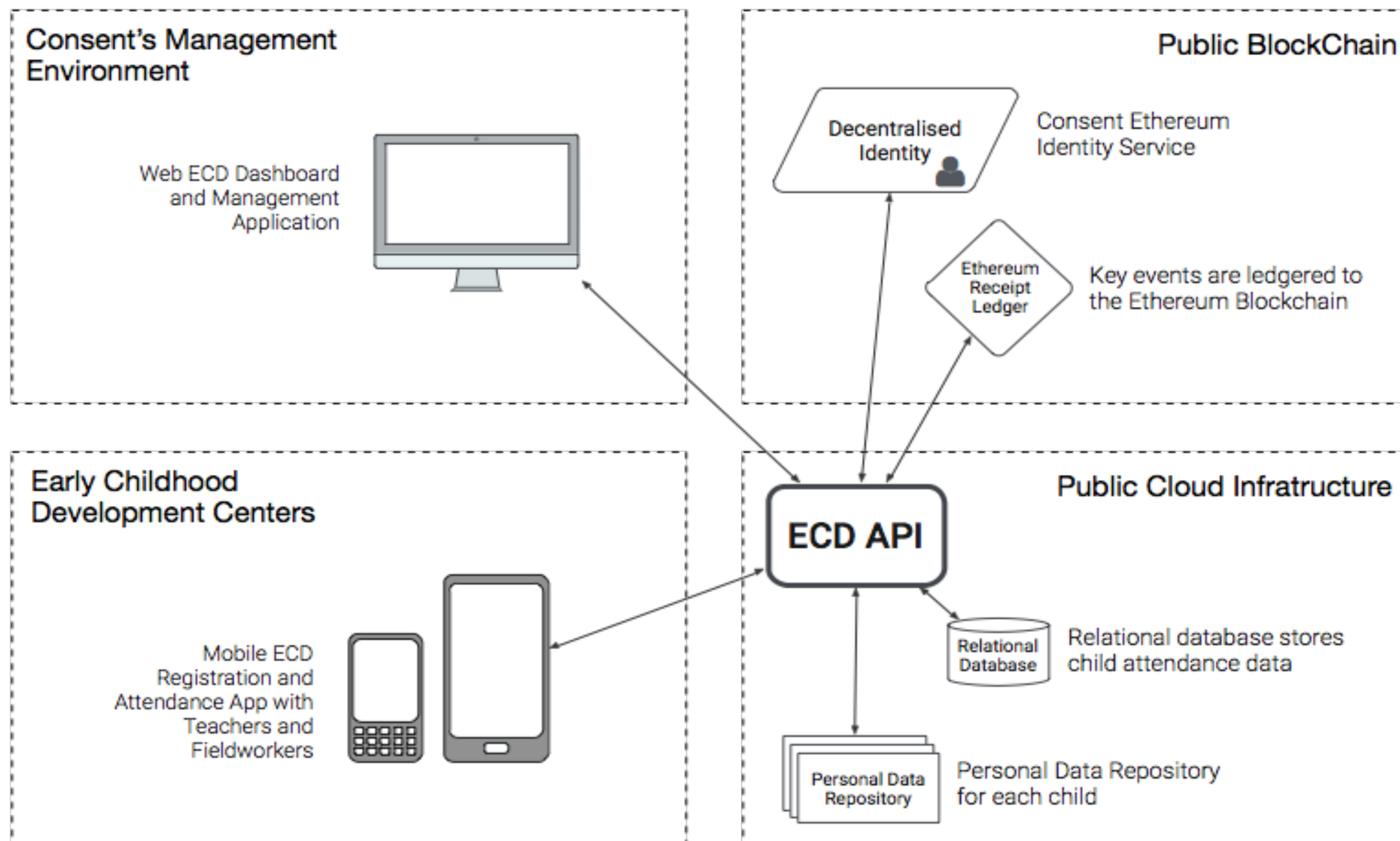
GENERATE HIGH DEFINITION DATA AND AUDITABILITY
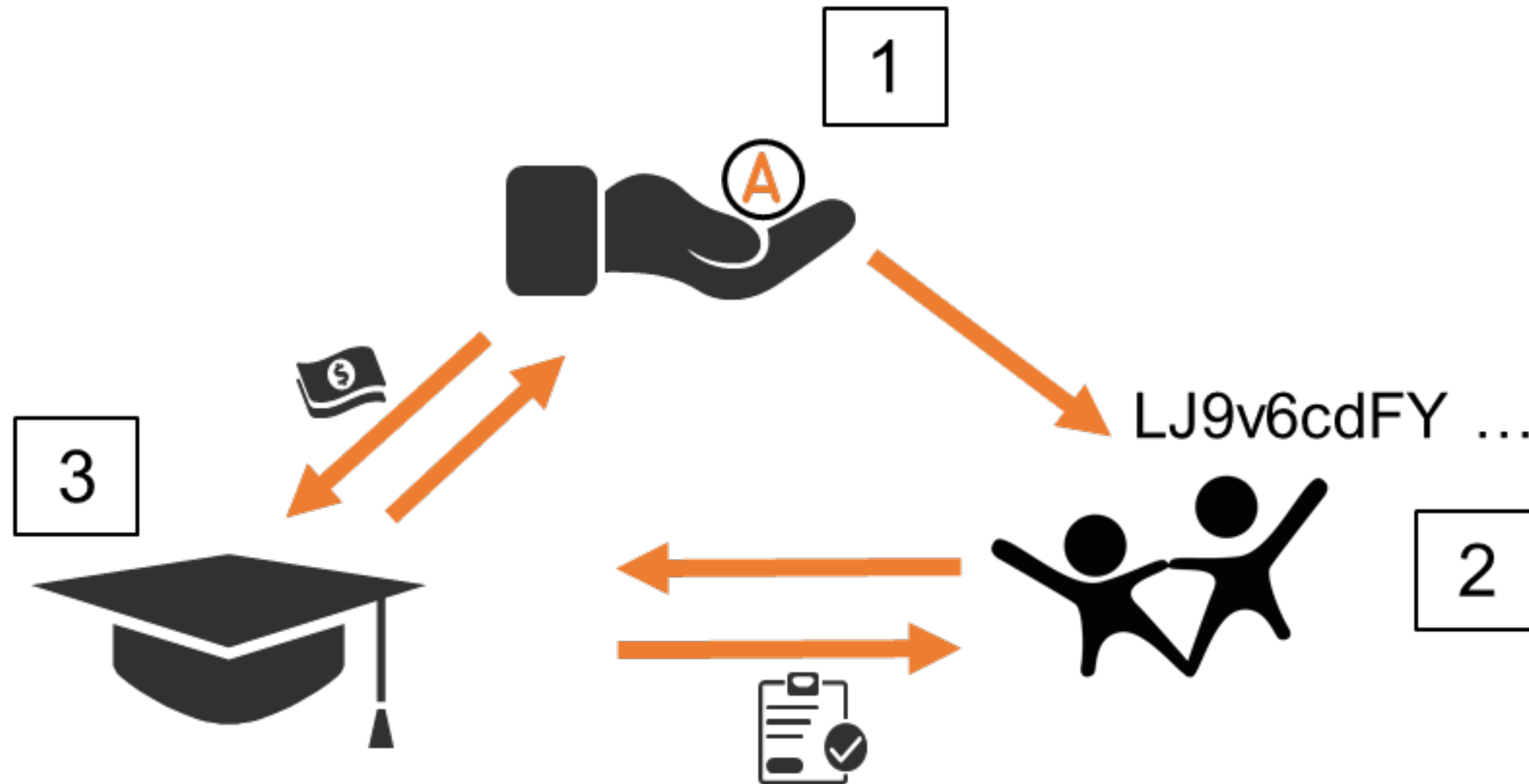
ESTABLISH SELF-SOVEREIGN ETHEREUM BASED IDENTITY

INTRODUCE BENEFIT MANAGEMENT PLATFORM

TECH STACK

Consent's Management Environment

Web ECD Dashboard and Management Application

Public BlockChain

Decentralised Identity

Consent Ethereum Identity Service

Ethereum Receipt Ledger

Key events are ledgered to the Ethereum Blockchain

Early Childhood Development Centers

Mobile ECD Registration and Attendance App with Teachers and Fieldworkers

ECD API

Public Cloud Infratructure

Relational Database

Relational database stores child attendance data

Personal Data Repository

Personal Data Repository for each child

BUSINESS & PLATFORM MODEL

TRACTION

▸ Product development and field testing --- March 2016

▸ +1,000 kids on Amply alpha test --- Nov 2016

▸ Independent inquiries from 5+ centres since public alpha testing

▸ Grant funding and government partnerships

BLOCKCHAIN RATIONALE

▸ Why blockchain?

    ▸ Self-sovereign digital identities

    ▸ Trust and auditability in funding using tokens

    ▸ Open-source architecture enables scalability

▸ Why Ethereum?

    ▸ Automated smart contract systems

    ▸ DApp synergy & inter-operability

    ▸ Most sophisticated platform