



Intro

The Earth Change Vending Machine (ECVM) is a secure mint, printing-press and vault.

The ECVM mints 1 **Coin** for each square-meter of **Land**, and then sells those **Coins** to buy that **Land**.

The ECVM then prints and stores the legally-binding paper documents required to *fund*, *build* and *govern* user-owned supply-chains organized as a mosaic of productively-sovereign tiny private cities.

Summary

1. You may buy **Coins** to play "number go up".
 - a. **Coin** holders are not **Land** owners and have no authority of any kind.
2. You may sign 1 **Contract** to earn many **Tickets**.
 - a. You must receive **Tickets** *immediately*, before you have done any **Work**.
 - i. This allows you to wash, eat and rest before you begin.
3. You may fulfill 1 **Contract** to earn many **Deeds**.
 - a. The kind of **Deeds** you gain are listed on the **Tickets** you hold.
4. You may hold **Deeds** as a *sole-owner* to exclude everyone, such as within a home.
 - a. This ensures the full privacy we need for a safe and secure society.
5. You may hold **Deeds** as a *co-owner* to exclude everyone not in that group, such as the working areas within a supply-chain.
 - a. You may *fork* **Deeds** to split into subgroups or back to *sole-owners*.
6. You may sell or "gift" surplus **Goods**.
 - a. Those users must gain **Deeds** of **Land** ownership.
7. You must gain (a very tiny amount) of **Deeds** whenever you:
 - a. Partially fulfill a **Contract**. Vesting schedule defaults to *daily* unless adjusted by those owners.
 - b. Buy surplus **Goods**.
 - c. Receive surplus **Goods** as a gift.
 - d. Buy or receive **Tickets** as a gift.

Value Theory

Value Types

To more carefully reason about value, we first partition all real world assets (RWAs) into 4 *Value Types*: {**Money**, **Land**, **Work**, **Good**}.

1. **Money** - A reference to value. **Money** is not value!
2. **Land** - The earthly INPUTS of production.
3. **Work** - The human INPUTS of production.
4. **Good** - The finished OUTPUTS of production.

Value Tokens

To gain legal authority over these [RWAs](#), we then define 1 legally-binding *Value Token*: {**Coin**, **Deed**, **Contract**, **Ticket**} for each *Value Type*.

1. **Coin** - A **Money** with a circulating-supply set by the square-meters of **Land** held under these terms. (fungible)
2. **Deed** - A proof of a specific "kind of" **Land** ownership. (non-fungible)
3. **Contract** - A commitment to fulfill a specific "kind of" future **Work**. (non-fungible)
4. **Ticket** - A unique claim on a specific "kind of" future **Good**. (non-fungible)

Value Zeroes

- When you trade **Work** for **Goods** and **Land**, your monetary Wages are 0.
- When you hold **Deeds** to own your home, your monetary Rent is 0.
- When you hold **Deeds** to co-own supply-chains *and* when you hold the **Contract** signatures of others, you *own* the production of those future **Goods** *without purchase*, so the monetary Profit you pay is 0.

Timeline

Fund

- The ECVM asks for the *size* and *price* of any **Land** currently for sale.
- For each parcel, the ECVM mints 1 **Coin** for each square-meter.
- For each parcel, the ECVM sells those **Coins** to buy that **Land**.

Build

- The ECVM asks for any future **Goods** you may want.
- The ECVM mints 1 **Ticket** for each future **Good** you request.
- The ECVM asks for the **Work** required to fulfill those **Tickets**.
- The ECVM mints 1 **Contract** for each "kind of" (specialized) **Work**.
- The ECVM asks for the **Land** required to fulfill those **Tickets**.
- The ECVM mints 1 **Deed** for each "kind of" (specialized) **Land**.
- The ECVM offers many **Tickets** for each **Contract** signature.
- The ECVM vests **Deeds** to you, as you fulfill **Contracts**.

Govern [buttons]

- **Select Tickets** - Vote on *which* future **Goods** are produced.
- **Schedule Contracts** - Vote on a shared Calendar *when* **Goods** are produced.
- **Allocate Deeds** - Vote on a shared Map *where* **Goods** are produced.
- **Join Deeds** - Make groups and groups of groups, recursively, to scale.
- **Fork Deeds** - Divide **Land** (secede from any grouping) to localize control.

Terms

— BEGINNING OF TERMS —

Coins

- Like Bitcoin, this **Coin** has no redeemable value, does not represent property ownership, bestows no rights of governance, and implies no financial returns.

Deeds

- The "kind of" **Deeds** you earn are based on the "kind of" **Tickets** you hold.
 - If you hold Bread **Tickets**, you earn **Deeds** in a Farm, a Mill and a Bakery.

Vesting

- Your **Land/Work** earnings ratio (the amount of **Land** you earn in exchange for the amount of **Work** you do) is based on:
 - The total amount of **Land** you hold relative to the total amount of **Land** held by all other users.
 - Your **Land/Work** earnings ratio must decrease as your **Land** holdings increase to ensure all "late" users have a chance to own some amount of **Land**.
 - The market price of the **Land** you select, divided-by the market price of the **Work** you complete.
 - This is partly wrong because the current market prices of **Land** and **Work** are both partly wrong.

Holdings

- You may hold **Land** (as **Deeds**), and the future **Work** of others (as **Contract** signatures) to own and govern the production of future **Goods** (as **Tickets**).

Sales

- You may sell **Land** (as **Deeds**) for **Money**.
 - Those **Deeds** must remain under these terms.
- The **ECVM** cannot sell **Land** or **Deeds** for **Money**.

Contracts

- Any **Contract** you sign must have a *trade-connection* with the users who signed the **Contracts** used to fulfill the **Tickets** you hold.

- ☑ This should always be true for **Contracts** within a **Basic Outcome Auction**.
- You may participate in the Yearly **Basic Outcome Auction**, but it is not required.
 - To begin a **Basic Outcome Auction**, the **ECVM** asks this Group of Groups for the minimum list of *essential Goods* they want produced over the next Year.
 - The **ECVM** mints 1 **Ticket** for each requested **Good**.
 - The **ECVM** mints 1 **Contract** for each kind of required **Work**.
 - The **ECVM** mints 1 **Deed** for each kind of required **Land**.
 - The *total_time* is the hours required to fulfill all **Contracts**.
 - The *time_per_user* is *total_time* "divided by" the *number_of_Contracts*.
 - All **Contracts** are offered at this initial *time_per_user* commitment.
 - After 24 hours, the *time_per_user* is reduced for all unsigned **Contracts**.
 - These **Contracts** require a smaller time commitment while still receiving the same **Basic Outcome**.
 - This "spreads out" that task by requiring at least 1 other person in that group-of-groups to sign a (maybe part-time) **Contract** for that "kind of" **Work**.
 - Any **Contracts** left unsigned after the entire **Coin Auction Sequence** has ended, must be *outsourced* or *insourced*, else that **Land** cannot be occupied and production cannot begin.

Tickets

- Each **Ticket** is *backed by* the **Deeds (Land)** and **Contracts (Work)** required for fulfillment.
 - A **Ticket** is only valid when all **Deeds** are ALLOCATED and all **Contracts** are SIGNED.
- Each **Ticket** has a unique time-window and conditions under which it may be redeemed.
 - A Tomato **Ticket** may mature in just a few months, while an Avocado **Ticket** may not be redeemed until many years after the seed is planted.

Sales

- You may sell future **Goods** (as **Tickets**) or finished **Goods** (any surplus) for **Money**.
 - Some % of Profit must ensure those users gain **Deeds** of **Land** ownership.
 - Each user must *immediately* gain (a tiny amount of) UNALLOCATED and UNVESTED **Deeds**.
 - These **Deeds** must be delivered as part of the sales receipt.
 - Proposed vesting schedule:
 1. **Deed** must be ALLOCATED within 3 years.
 2. **Deed** must be ACTIVE within 5 years.
 3. **Deed** must be fully VESTED within 7 years.
- The **ECVM** cannot sell **Goods** for **Money** because the **ECVM** never *owns* any **Goods**.
 - While the **ECVM** does hold **Land temporarily**, as it slowly vests to users, the **Goods** produced on that **Land** *always* belong to **Ticket** holders who either:

- i. Signed a **Contract** for a Basic Outcome. [work-to-own and hodl-for-good]
- ii. Bought **Tickets** to redeem for Product. [rewards-based crowdfunding]
- iii. Bought **Tickets** to redeem for Profit. [equity-based crowdfunding]

— END OF TERMS —

Notes

<https://LinkTr.ee/ECVM>